REPORT ON CANCER IN NEVADA

1999-2003

A Comprehensive Report on Cancer from:

Nevada Central Cancer Registry
Nevada Death Registry
Nevada Inpatient Hospital Discharge (UB92)
Behavioral Risk Factor Surveillance Survey (BRFSS)

Center for Health Data and Research
Bureau of Health Planning and Statistics
Nevada State Health Division
Department of Health and Human Services

Kenny C. Guinn, Governor
Michael J. Willden, Director
Department of Health and Human Services

Alex Haartz, MPH, Administrator
Bradford Lee, M.D., State Health Officer
Nevada State Health Division

REPORT ON CANCER IN NEVADA
1999-2003

June 2006

Written, compiled and edited by:
(In alphabetical order)

Mona Lisa Brown
Health Resource Analyst

Tim Pollard, B.A.
Biostatistician

Wei Yang, Ph.D.
State Biostatistician and Director

Center for Health Data and Research
Bureau of Health Planning and Statistics
Wei Yang , Ph.D.
Acting Bureau Chief
Nevada State Health Division
Department of Health and Human Services
State of Nevada

ACKNOWLEDGEMENTS

Report Prepared by:
(In alphabetical order)

Ihsan Azzam, M.D.
State Epidemiologist
Nevada State Health Division

Mona Lisa Brown
Health Resource Analyst
Center for Health Data and Research

Tim Pollard, B.A.
Biostatistician II
Center for Health Data and Research

Wei Yang, Ph.D.
State Biostatistician and Director
Center for Health Data and Research

Data Provided By:
(In alphabetical order)

Brenna Caine
Cancer Registrar – Central Cancer Registry
Bureau of Health Planning and Statistics
505 East King Street, Room 102
Carson City, Nevada 89701-4749
Phone: (775) 684-5894
Fax: (775) 684-4156
http://health2k.state.nv.us/cancer/

Joseph Greenway, Director
Center for Health Information Analysis
University of Nevada, Las Vegas
4505 Maryland Parkway, Box 455058
Las Vegas, Nevada 89154-5058
Phone (702) 895-4389
Fax (702) 895-4276
http://www.unlv.edu/Research_Centers/chia/

Jean Gunter, Program Officer
Office of Vital Statistics
Bureau of Health Planning and Statistics
505 East King Street, Room 102
Carson City, Nevada 89701-4749
Phone: (775) 684-4162
Fax: (775) 684-4156
http://health2k.state.nv.us/vital/

ACKNOWLEDGEMENTS (CONTINUED)

Editing Review and Comments:
(In alphabetical order)

Martha Framsted
Public Information Officer
Nevada State Health Division

Bradford Lee, M.D.
State Health Officer
Nevada State Health Division

William Lee
Biostatistician
Bureau of Health Planning and Statistics

More health information can be found online at the Center for Health Data and Research's Nevada Interactive Health Databases System at: http://health2k.state.nv.us/nihds/center.htm.

Readers of this publication are welcome to offer their suggestions and/or comments concerning this publication by filling out the attached form at the end of this report. Readers are also welcome to submit requests for additional information by submitting them to:

Center for Health Data and Research
Bureau of Health Planning and Statistics
Nevada State Health Division
505 E. King Street, Room 102
Carson City, NV 89701-4749
Phone: (775) 684-4182
Fax: (775) 684-4156
E-mail: wyang@nvhd.state.nv.us

PREFACE

This report provides a comprehensive overview of the risks and burden of cancer in Nevada from 1999 to 2003. Cancer represents a group of diseases that will affect nearly half of the population at some time during their lifetime. Nationally, cancer-related costs total billions of dollars in treatment annually. Cancer has also consistently been the second leading cause of death for Nevada and the nation for the last 20 years. This report provides a variety of information on cancer from four different data sources and has been organized to focus on specific aspects of cancer, (e.g. screening, diagnosis, inpatient treatment, mortality, and survival rate) with each section adding to the overall picture of cancer in Nevada.

The first section provides a comparison of the 22 leading types of cancer that comprise 92.9% of all types of cancer in Nevada; including incidence, inpatient hospital discharges, mortality, and survival rate subsections for comparison.

The second section includes various statistics on all cancers, reported among Nevada residents, to provide a complete look at cancer in the state. There are subsections for diagnosis, treatment, mortality and survival rate statistics for the 1999 to 2003 period.

The top ten leading types of cancer diagnosed in Nevada from 1999 to 2003, which accounts for 77.0% of the total number of cancer cases, are then highlighted within their own section to provide a more detailed look at the types of cancer that are most prevalent in Nevada. The reader should note that these types of cancer are presented based on the number of cases reported. Therefore, those cancers whose ranking is within the top ten based on inpatient discharges or mortality are not necessarily highlighted within their own section.

Statistics on those cancers not highlighted in the top ten sections are available in the Overview section and in a general section for All Other Cancers at the end of this report, where the remaining twelve leading cancers are briefly profiled.

Each major section in this report includes regional, gender, racial/ethnic, and age statistics in order to draw attention to potential targets for prevention and treatment efforts. These efforts in prevention and treatment will help to achieve progress toward reducing the risks and burden of Cancer in Nevada.

This report is also available online at the Center for Health Data and Research's website: http://health2k.state.nv.us/nihds/center.htm

TABLE OF CONTENTS

ACKNOWLEDGEMENTS ..... **i**

PREFACE **1**

TABLE OF CONTENTS **2**

LIST OF FIGURES AND TABLES **6**

TECHNICAL NOTES **28**

OVERVIEW **37**
- HIGHLIGHTS 37

INCIDENCE **45**
- HIGHLIGHTS 45

INPATIENT HOSPITAL DISCHARGES **58**
- HIGHLIGHTS 58

MORTALITY **66**
- HIGHLIGHTS 66

SURVIVAL RATE **75**
- HIGHLIGHTS 75

ALL CANCERS **82**
- HIGHLIGHTS 82
- INCIDENCE 85
- INPATIENT HOSPITAL DISCHARGES 93
- MORTALITY 100
- SURVIVAL RATE 107

LUNG AND BRONCHUS CANCER **111**
- GENERAL PROFILE[4] 111
- HIGHLIGHTS 112
- INCIDENCE 114
- INPATIENT HOSPITAL DISCHARGES 122
- MORTALITY 129
- SURVIVAL RATE 136

BREAST CANCER **140**

GENERAL PROFILE[4] 140
HIGHLIGHTS 141
SCREENING (BRFSS) 143
INCIDENCE 144
INPATIENT HOSPITAL DISCHARGES 152
MORTALITY 159
SURVIVAL RATE 166

PROSTATE CANCER 170
GENERAL PROFILE[4] 170
HIGHLIGHTS 171
SCREENING (BRFSS) 174
INCIDENCE 175
INPATIENT HOSPITAL DISCHARGES 183
MORTALITY 190
SURVIVAL RATE 197

COLORECTAL CANCER 201
GENERAL PROFILE[4] 201
HIGHLIGHTS 202
SCREENING (BRFSS) 205
INCIDENCE 206
INPATIENT HOSPITAL DISCHARGES 214
MORTALITY 221
SURVIVAL RATE 228

URINARY BLADDER CANCER 232
GENERAL PROFILE[4] 232
HIGHLIGHTS 233
INCIDENCE 235
INPATIENT HOSPITAL DISCHARGES 243
MORTALITY 250
SURVIVAL RATE 257

NON-HODGKIN'S LYMPHOMA 261
GENERAL PROFILE[4] 261
HIGHLIGHTS 262

INCIDENCE 264
INPATIENT HOSPITAL DISCHARGES 272
MORTALITY 279
SURVIVAL RATE 286

KIDNEY AND RENAL PELVIS CANCER 290
GENERAL PROFILE[4] 290
HIGHLIGHTS 291
INCIDENCE 293
INPATIENT HOSPITAL DISCHARGES 301
MORTALITY 308
SURVIVAL RATE 315

LIP, ORAL CAVITY AND PHARYNX CANCER 319
GENERAL PROFILE[4] 319
HIGHLIGHTS 320
INCIDENCE 322
INPATIENT HOSPITAL DISCHARGES 330
MORTALITY 337
SURVIVAL RATE 344

LEUKEMIA 348
GENERAL PROFILE[4] 348
HIGHLIGHTS 349
INCIDENCE 351
INPATIENT HOSPITAL DISCHARGES 359
MORTALITY 366
SURVIVAL RATE 373

PANCREATIC CANCER 377
GENERAL PROFILE[4] 377
HIGHLIGHTS 378
INCIDENCE 380
INPATIENT HOSPITAL DISCHARGES 388
MORTALITY 395
SURVIVAL RATE 402

ALL OTHER CANCERS 406

SKIN CANCER **407**

UTERINE CANCER **411**

OVARIAN CANCER **415**

THYROID GLAND CANCER **419**

BRAIN AND OTHER CENTRAL NERVOUS SYSTEM CANCER **423**

STOMACH CANCER **427**

LIVER AND INTRAHEPATIC BILE DUCTS CANCER **431**

CERVICAL CANCER **435**

ESOPHAGEAL CANCER **440**

LARYNX CANCER **444**

MULTIPLE MYELOMA **448**

HODGKIN'S LYMPHOMA **452**

ALL OTHER SITES **456**

APPENDIX A – CODES USED FOR GROUPING **459**

APPENDIX B – FORMULAS **464**

REFERENCES **467**

FEEDBACK AND SUGGESTIONS **468**

LIST OF FIGURES AND TABLES

OVERVIEW

HIGHLIGHTS

Figure 1. Top Ten Leading Types of Cancer by Percentage of Total Incidence, Discharges and Mortality, Nevada Residents, 1999-2003 38
Figure 2. Highest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1999-2003....38
Figure 3. Lowest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1999-2003....39
Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1999-2003 40
Table 2. Leading Types of Cancer for Nevada Incidence, Inpatient Hospital Discharges and Mortality, Nevada Residents, 1999-2003 42
Table 3. Top Ten Types of Cancer by Gender, Incidence, Hospital Discharges, and Mortality,....43
Nevada Residents, 1999-2003 43
Table 4. Incidence to Mortality Age-Adjusted Rate Ratios for the Leading Types of Cancer, Nevada Residents, 1999-2003....44

INCIDENCE

HIGHLIGHTS

Figure 4. Top Ten Leading Cancers as a Percentage of Total Cases, Nevada (1999-2003) and SEER-13 (1998-2002) 46
Figure 5. Comparison of Age-Adjusted (2000) Incidence Rates of Blacks compared to Whites, Nevada Residents, 1999-2003 46
Figure 6. Comparison of Age-Adjusted (2000) Incidence Rates of Native Americans compared to Whites, Nevada Residents, 1999-2003 47
Figure 7. Comparison of Age-Adjusted (2000) Incidence Rates of Asians compared to Whites, Nevada Residents, 1999-2003 47
Figure 8. Comparison of Age-Adjusted (2000) Incidence Rates of Hispanics compared to Whites, Nevada Residents, 1999-2003 48
Table 5. Nevada Incidence by Type of Cancer, Nevada (1999-2003) and SEER-13 (1998-2002).....49
Table 6. Nevada Incidence by Type of Cancer and Gender, Nevada, 1999-2003....51
Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer, Nevada, 1999-2003....53
Table 8. Top Ten Types of Cancer Incidence by County/Region of Residence, Nevada Residents, 1999-2003 55
Table 9. Top Ten Types of Cancer Incidence by Age Group, Nevada Residents, 1999-2003....56
Table 10. Median Age at Time of Diagnosis by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1999-2003 57

INPATIENT HOSPITAL DISCHARGES

HIGHLIGHTS

Figure 9. Top Ten Leading Cancers in Total Inpatient Discharge Charges (000s), Nevada Residents, 1999-2003 59
Figure 10. Top Ten Leading Cancers in Average Inpatient Discharge Charges, Nevada Residents, 1999-2003 59

Figure 11. Top Ten Leading Cancers in Median Inpatient Discharge Charges, Nevada Residents, 1999-2003 60
Figure 12. Top Ten Leading Cancers in Total Number of Days Stayed for Inpatient Hospital Discharges, Nevada Residents, 1999-2003....60
Figure 13. Top Ten Leading Cancers in Average Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1999-2003....61
Figure 14. Top Ten Leading Cancers in Median Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1999-2003....61
Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1999-2003 62
Table 12. Top Ten Types of Cancer Inpatient Hospital Discharges by County/Region of Residence, Nevada Residents, 1999-2003 64
Table 13. Top Ten Types of Cancer Hospital Discharges by Age Group, Nevada Residents, 1999-2003 65

MORTALITY

HIGHLIGHTS
Figure 15. Top Ten Leading Cancers by Percentage of Total Cancer Mortality, Nevada Residents, 1999-2003 67
Figure 16. Comparison of Age-Adjusted (2000) Mortality Rates of Blacks compared to Whites, Nevada Residents, 1999-2003 67
Figure 17. Comparison of Age-Adjusted (2000) Mortality Rates of Native Americans compared to Whites, Nevada Residents, 1999-2003 68
Figure 18. Comparison of Age-Adjusted (2000) Mortality Rates of Asians compared to Whites, Nevada Residents, 1999-2003 68
Figure 19. Comparison of Age-Adjusted (2000) Mortality Rates of Hispanics compared to Whites, Nevada Residents, 1999-2003 69
Table 14. Nevada Mortality by Type of Cancer and Gender, Nevada, 1999-2003 70
Table 15. Top Ten Types of Cancer Mortality by County/Region of Residence, Nevada Residents, 1999-2003 72
Table 16. Top Ten Types of Cancer Mortality by Age Group, Nevada Residents, 1999-2003 73
Table 17. Median Age at Time of Death by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1999-2003....74

SURVIVAL RATE

HIGHLIGHTS
Figure 20. Ten Highest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003 76
Figure 21. Ten Lowest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003 76
Figure 22. Ten Highest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003 77
Figure 23. Ten Lowest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003 77
Table 18. One-Year, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents, 1999-2003 78

Table 19. One-, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....79
Table 20. One- and Five-Year Survival Rates by Type of Cancer and Gender, Nevada Residents, 1999-2003....80

ALL CANCERS

INCIDENCE

Figure 24. Age-Adjusted (2000) Incidence Rates for All Cancers, Nevada Residents, 1999-2003....85
Figure 25. All Cancers Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003....86
Figure 26. All Cancers Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003....86
Table 21. All Cancers Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....87
Table 22. All Cancers Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....88
Table 23. All Cancers Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003....89
Table 24. All Cancers Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....89
Table 25. All Cancers Cases by Age Group and Gender, Nevada Residents, 1999-2003....90
Table 26. All Cancers Cases by Age Group and Stage, Nevada Residents, 1999-2003....91
Table 27. Cancer Incidence by Stage and Race/Ethnicity, Nevada Residents, 1999-2003....92
Table 28. Median Age at Diagnosis of All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....92

INPATIENT HOSPITAL DISCHARGES

Figure 27. All Cancers Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....93
Figure 28. All Cancers Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003....94
Figure 29. Median Charges for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....94
Figure 30. Average Length of Stay for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....95
Table 29. All Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....96
Table 30. Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....97
Table 31. All Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003....98
Table 32. All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....99
Table 33. All Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003....99

MORTALITY

Figure 31. Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003....100
Figure 32. Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003....101

Figure 33. Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003 101
Table 34. All Cancers Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 102
Table 35. All Cancers Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 103
Table 36. Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 104
Table 37. Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....104
Table 38. Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003 105
Table 39. Median Age at Death from All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 106

SURVIVAL RATE
Figure 34. Survival Rates for All Cancers by Race/Ethnicity, Nevada Residents, 1999-2003 107
Figure 35. Survival Rates for All Cancers by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003 107
Table 40. Cause-Specific Survival Rates for All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....108
Table 41. Cause-Specific Survival Rates for All Cancers by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003....109

LUNG AND BRONCHUS CANCER

GENERAL PROFILE[4]
Figure 36. Anatomy of the Respiratory Tract[5]....111

INCIDENCE
Figure 37. Lung and Bronchus Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 114
Figure 38. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003 115
Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003....115
Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....116
Table 43. Lung and Bronchus Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 117
Table 44. Lung and Bronchus Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003....118
Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 118
Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003 119
Table 47. Lung and Bronchus Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003 120
Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003 121
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 121

INPATIENT HOSPITAL DISCHARGES

Figure 40. Lung and Bronchus Cancer Age-Adjusted (2000) Inpatient Hospital Discharge Rates, Nevada Residents, 1999-2003 122
Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003 123
Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 123
Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 124
Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 125
Table 51. Lung and Bronchus Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 126
Table 52. Lung and Bronchus Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003 127
Table 53. Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 128
Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003 128

MORTALITY

Figure 44. Lung and Bronchus Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 129
Figure 45. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003 130
Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003 130
Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 131
Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 132
Table 57. Lung and Bronchus Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 133
Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 133
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 135

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1999-2003 136
Figure 48. Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003 136
Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 137
Table 62. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003 138

BREAST CANCER

GENERAL PROFILE[4]
Figure 49. Anatomy of the Breast[5] 140

SCREENING (BRFSS)
Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1999-2003.....143

INCIDENCE
Figure 50. Female Breast Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 144
Figure 51. Female Breast Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003 145
Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003.....145
Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....146
Table 65. Female Breast Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....147
Table 66. Female Breast Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003 148
Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....148
Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003.....149
Table 69. Breast Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003.....150
Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003.....151
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....151

INPATIENT HOSPITAL DISCHARGES
Figure 53. Female Breast Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003 152
Figure 54. Female Breast Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003.....153
Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 153
Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003.....154
Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 155
Table 73. Female Breast Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....156
Table 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003 157
Table 75. Female Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003.....158
Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003.....158

MORTALITY
Figure 57. Female Breast Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 159

Figure 58. Female Breast Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003 160
Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003....160
Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 161
Table 78. Female Breast Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....162
Table 79. Female Breast Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 163
Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 163
Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003 164
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....165

SURVIVAL RATE
Figure 60. Survival Rates for Breast Cancer by Race/Ethnicity, Nevada Residents, 1999-2003....166
Figure 61. Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003 166
Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....167
Table 84. Cause-Specific Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003....168

PROSTATE CANCER

GENERAL PROFILE[4]
Figure 62. Anatomy of the Male Urogenital System[5]....170

SCREENING (BRFSS)
Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2001 and 2002 174

INCIDENCE
Figure 63. Prostate Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 175
Figure 64. Prostate Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003....176
Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003 176
Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....177
Table 87. Prostate Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....178
Table 88. Prostate Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003 179
Table 89. Prostate Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 179
Table 90. Prostate Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003 180
Table 91. Prostate Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003 181

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003 182
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....182

INPATIENT HOSPITAL DISCHARGES

Figure 66. Prostate Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003 183
Figure 67. Prostate Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003 184
Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003.....184
Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003.....185
Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 186
Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 187
Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003 188
Table 97. Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 189
Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003.....189

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 190
Figure 71. Prostate Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003.....191
Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003 191
Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 192
Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....193
Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 194
Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 194
Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003 195
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....196

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1999-2003...197
Figure 74. Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003 197
Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 198

Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003 199

COLORECTAL CANCER

GENERAL PROFILE[4]

Figure 75. Anatomy of the Digestive System[5] 201

SCREENING (BRFSS)

Table 107. Colorectal Cancer Screening by County/Region of Residence, Gender, Education, Age Group, and Income, Nevada Residents, 1999, 2001 and 2002 205

INCIDENCE

Figure 76. Colorectal Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 206
Figure 77. Colorectal Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003 207
Figure 78. Colorectal Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003 207
Table 108. Colorectal Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 208
Table 109. Colorectal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 209
Table 110. Colorectal Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003 210
Table 111. Colorectal Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 210
Table 112. Colorectal Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003 211
Table 113. Colorectal Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003 212
Table 114. Colorectal Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003 213
Table 115. Median Age at Diagnosis of Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 213

INPATIENT HOSPITAL DISCHARGES

Figure 79. Colorectal Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003 214
Figure 80. Colorectal Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003 215
Figure 81. Median Charges for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 215
Figure 82. Average Length of Stay for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 216
Table 116. Colorectal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 217
Table 117. Colorectal Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 218
Table 118. Colorectal Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003 219
Table 119. Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada

Residents, 1999-2003.....220
Table 120. Colorectal Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003 220

MORTALITY
Figure 83. Colorectal Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 221
Figure 84. Colorectal Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003 222
Figure 85. Colorectal Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003 222
Table 121. Colorectal Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 223
Table 122. Colorectal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....224
Table 123. Colorectal Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 225
Table 124. Colorectal Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 225
Table 125. Colorectal Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003 226
Table 126. Median Age at Death from Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....227

SURVIVAL RATE
Figure 86. Survival Rates for Colorectal Cancer by Race/Ethnicity, Nevada Residents, 1999-2003 228
Figure 87. Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003 228
Table 127. Cause-Specific Survival Rates for Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 229
Table 128. Cause-Specific Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003.....230

URINARY BLADDER CANCER

GENERAL PROFILE[4]
Figure 88. Anatomy of the Urinary System[5] 232

INCIDENCE
Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 235
Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003 236
Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003.....236
Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....237
Table 130. Urinary Bladder Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....238

Table 131. Urinary Bladder Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003 239
Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 239
Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003 240
Table 134. Urinary Bladder Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003 241
Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003 242
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 242

INPATIENT HOSPITAL DISCHARGES
Figure 92. Urinary Bladder Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....243
Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003 244
Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 244
Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 245
Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 246
Table 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 247
Table 139. Urinary Bladder Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003....248
Table 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....249
Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003 249

MORTALITY
Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 250
Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003 251
Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003....251
Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 252
Table 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 253
Table 144. Urinary Bladder Cancer Mortality by County of Residence, Nevada Residents, 1999-2003 254
Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 254

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003 255
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 256

SURVIVAL RATE
Figure 99. Survival Rates for Urinary Bladder Cancer by Race/Ethnicity, Nevada Residents, 1999-2003 257
Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003....257
Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....258
Table 149. Cause-Specific Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003....259

NON-HODGKIN'S LYMPHOMA

GENERAL PROFILE[4]
Figure 101. Anatomy of the Lymphatic System....261

INCIDENCE
Figure 102. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 264
Figure 103. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003....265
Figure 104. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003....265
Table 150. Non-Hodgkin's Lymphoma Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....266
Table 151. Non-Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....267
Table 152. Non-Hodgkin's Lymphoma Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003....268
Table 153. Non-Hodgkin's Lymphoma Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 268
Table 154. Non-Hodgkin's Lymphoma Cases by Age Group and Gender, Nevada Residents, 1999-2003 269
Table 155. Non-Hodgkin's Lymphoma Cases by Age Group and Stage, Nevada Residents, 1999-2003 270
Table 156. Non-Hodgkin's Lymphoma Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003 271
Table 157. Median Age at Diagnosis of Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 271

INPATIENT HOSPITAL DISCHARGES
Figure 105. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....272
Figure 106. Non-Hodgkin's Lymphoma Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003....273

Figure 107. Median Charges for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003 273
Figure 108. Average Length of Stay for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003....274
Table 158. Non-Hodgkin's Lymphoma Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 275
Table 159. Non-Hodgkin's Lymphoma Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 276
Table 160. Non-Hodgkin's Lymphoma Discharges by Age Group and Gender, Nevada Residents, 1999-2003 277
Table 161. Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003....278
Table 162. Non-Hodgkin's Lymphoma Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003 278

MORTALITY
Figure 109. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003 279
Figure 110. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003 280
Figure 111. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003....280
Table 163. Non-Hodgkin's Lymphoma Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003 281
Table 164. Non-Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 282
Table 165. Non-Hodgkin's Lymphoma Mortality by County of Residence, Nevada Residents, 1999-2003 283
Table 166. Non-Hodgkin's Lymphoma Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 283
Table 167. Non-Hodgkin's Lymphoma Mortality by Age Group and Gender, Nevada Residents, 1999-2003 284
Table 168. Median Age at Death from Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 285

SURVIVAL RATE
Figure 112. Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity, Nevada Residents, 1999-2003 286
Figure 113. Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003....286
Table 169. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....287
Table 170. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003....288

KIDNEY AND RENAL PELVIS CANCER

GENERAL PROFILE[4]
Figure 114. Anatomy of the Urinary System[5] 290

INCIDENCE

Figure 115. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003....293
Figure 116. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003....294
Figure 117. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003....294
Table 171. Kidney and Renal Pelvis Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....295
Table 172. Kidney and Renal Pelvis Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....296
Table 173. Kidney and Renal Pelvis Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003....297
Table 174. Kidney and Renal Pelvis Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....297
Table 175. Kidney and Renal Pelvis Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003....298
Table 176. Kidney and Renal Pelvis Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003....299
Table 177. Kidney and Renal Pelvis Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003....300
Table 178. Median Age at Diagnosis of Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....300

INPATIENT HOSPITAL DISCHARGES

Figure 118. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....301
Figure 119. Kidney and Renal Pelvis Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003....302
Figure 120. Median Charges for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....302
Figure 121. Average Length of Stay for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....303
Table 179. Kidney and Renal Pelvis Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....304
Table 180. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....305
Table 181. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003....306
Table 182. Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....307
Table 183. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003....307

MORTALITY

Figure 122. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003....308
Figure 123. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003....309

Figure 124. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003 309
Table 184. Kidney and Renal Pelvis Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003....310
Table 185. Kidney and Renal Pelvis Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....311
Table 186. Kidney and Renal Pelvis Cancer Mortality by County of Residence, Nevada Residents, 1999-2003....312
Table 187. Kidney and Renal Pelvis Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....312
Table 188. Kidney and Renal Pelvis Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003....313
Table 189. Median Age at Death from Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....314

SURVIVAL RATE
Figure 125. Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity, Nevada Residents, 1999-2003....315
Figure 126. Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003....315
Table 190. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....316
Table 191. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003....317

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE[4]
Figure 127. Anatomy of the Oral Cavity[5]....319

INCIDENCE
Figure 128. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003....322
Figure 129. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003....323
Figure 130. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003....323
Table 192. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....324
Table 193. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....325
Table 194. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003....326
Table 195. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....326
Table 196. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003....327
Table 197. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003....328

Table 198. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003....329
Table 199. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....329

INPATIENT HOSPITAL DISCHARGES
Figure 131. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....330
Figure 132. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003....331
Figure 133. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....331
Figure 134. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....332
Table 200. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....333
Table 201. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....334
Table 202. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003....335
Table 203. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....336
Table 204. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003....336

MORTALITY
Figure 135. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003....337
Figure 136. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003....338
Figure 137. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003....338
Table 205. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003....339
Table 206. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....340
Table 207. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 1999-2003....341
Table 208. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....341
Table 209. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003....342
Table 210. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....343

SURVIVAL RATE
Figure 138. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 1999-2003....344
Figure 139. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at

Diagnosis, Nevada Residents, 1999-2003 344
Table 211. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 345
Table 212. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003.....346

LEUKEMIA

GENERAL PROFILE[4]

Figure 140. Anatomy of Stem Cell Maturation 348

INCIDENCE

Figure 141. Leukemia Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003 351
Figure 142. Leukemia Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003.....352
Figure 143. Leukemia Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003 352
Table 213. Leukemia Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....353
Table 214. Leukemia Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 354
Table 215. Leukemia Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003 355
Table 216. Leukemia Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....355
Table 217. Leukemia Cases by Age Group and Gender, Nevada Residents, 1999-2003.....356
Table 218. Leukemia Incidence by Age Group and Stage, Nevada Residents, 1999-2003 357
Table 219. Leukemia Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003.....358
Table 220. Median Age at Diagnosis of Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003 358

INPATIENT HOSPITAL DISCHARGES

Figure 144. Leukemia Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003 359
Figure 145. Leukemia Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003 360
Figure 146. Median Charges for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 360
Figure 147. Average Length of Stay for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003.....361
Table 221. Leukemia Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003.....362
Table 222. Leukemia Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....363
Table 223. Leukemia Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003 364
Table 224. Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003 365
Table 225. Leukemia Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003.....365

MORTALITY

Figure 148. Leukemia Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003.....366
Figure 149. Leukemia Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003.....367
Figure 150. Leukemia Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003.....367
Table 226. Leukemia Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003.....368
Table 227. Leukemia Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....369
Table 228. Leukemia Mortality by County of Residence, Nevada Residents, 1999-2003.....370
Table 229. Leukemia Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....370
Table 230. Leukemia Mortality by Age Group and Gender, Nevada Residents, 1999-2003.....371
Table 231. Median Age at Death from Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....372

SURVIVAL RATE

Figure 151. Survival Rates for Leukemia by Race/Ethnicity, Nevada Residents, 1999-2003.....373
Figure 152. Survival Rates for Leukemia by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003.....373
Table 232. Cause-Specific Survival Rates for Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....374
Table 233. Cause-Specific Survival Rates for Leukemia by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003.....375

PANCREATIC CANCER

GENERAL PROFILE[4]

Figure 153. Anatomy of the Endocrine System[5].....377

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003.....380
Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003.....381
Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003.....381
Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....382
Table 235. Pancreatic Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....383
Table 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003.....384
Table 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003.....384
Table 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003.....385
Table 239. Pancreatic Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003.....386
Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003.....387

Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....387

INPATIENT HOSPITAL DISCHARGES

Figure 157. Pancreatic Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003....388

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003....389

Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....389

Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....390

Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....391

Table 243. Pancreatic Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....392

Table 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003....393

Table 245. Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003....394

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003....394

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003....395

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003....396

Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003....396

Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003....397

Table 248. Pancreatic Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....398

Table 249. Pancreatic Cancer Mortality by County of Residence, Nevada Residents, 1999-2003....399

Table 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....399

Table 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003....400

Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003....401

SURVIVAL RATE

Figure 164. Survival Rates for Pancreatic Cancer by Race/Ethnicity, Nevada Residents, 1999-2003....402

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003....402

Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender,

Nevada Residents, 1999-2003 403
Table 254. Cause-Specific Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003.....404

ALL OTHER CANCERS

Table 255. Cancer Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada Residents, 1999-2003 406

SKIN CANCER

Figure 166. Anatomy of the Skin[4] 407
Table 256. Skin Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 408
Table 257. Skin Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 409
Table 258. Skin Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....410

UTERINE CANCER

Figure 167. Anatomical Drawing of Female Reproductive System[4].....411
Table 259. Uterine Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....412
Table 260. Uterine Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 413
Table 261. Uterine Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....414

OVARIAN CANCER

Figure 168. Anatomical Drawing of Female Reproductive System[4].....415
Table 262. Ovarian Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....416
Table 263. Ovarian Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 417
Table 264. Ovarian Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....418

THYROID GLAND CANCER

Figure 169. Anatomical Drawing of the Thyroid Gland[4] 419
Table 265. Thyroid Gland Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....420
Table 266. Thyroid Gland Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 421
Table 267. Thyroid Gland Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 422

BRAIN AND OTHER CENTRAL NERVOUS SYSTEM CANCER

Figure 170. Anatomical Drawing of the Brain and Nearby Structures[4] 423
Table 268. Brain and Other Central Nervous System Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002) 424

Table 269. Brain and Other Central Nervous System Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003.....425
Table 270. Brain and Other Central Nervous System Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 426

STOMACH CANCER

Figure 171. Anatomical Drawing of the Esophagus and Stomach[5].....427
Table 271. Stomach Cancer Mortality by Age Group and County/Region of Residence at Diagnosis, Nevada Residents, 1999-2003 428
Table 272. Stomach Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 429
Table 273. Stomach Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....430

LIVER AND INTRAHEPATIC BILE DUCTS CANCER

Figure 172. Anatomical Drawing of the Digestive System[5].....431
Table 274. Liver and Intrahepatic Bile Ducts Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....432
Table 275. Liver and Intrahepatic Bile Ducts Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003.....433
Table 276. Liver and Intrahepatic Bile Ducts Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003 434

CERVICAL CANCER

Figure 173. Anatomical Drawing of the Female Reproductive System[4].....435
Table 277. Cervical Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1999, 2000 and 2002 436
Table 278. Cervical Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....437
Table 279. Cervical Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 438
Table 280. Cervical Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....439

ESOPHAGEAL CANCER

Figure 174. Anatomical Drawing of the Esophagus and Stomach[5].....440
Table 281. Esophageal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....441
Table 282. Esophageal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 442
Table 283. Esophageal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003.....443

LARYNX CANCER

Figure 175. Anatomy of the Oral Cavity[5].....444
Table 284. Larynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002).....445
Table 285. Larynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003 446

Table 286. Larynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....447

MULTIPLE MYELOMA

Figure 176. Picture of Myeloma Cells[4]....448
Table 287. Multiple Myeloma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....449
Table 288. Multiple Myeloma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....450
Table 289. Multiple Myeloma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....451

HODGKIN'S LYMPHOMA

Figure 177. Anatomy of the Lymphatic System[4]....452
Table 290. Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....453
Table 291. Hodgkin's Lymphoma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....454
Table 292. Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....455

ALL OTHER SITES

Table 293. Cancer Cases for All Other Sites by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)....456
Table 294. Inpatient Discharges for All Other Sites by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003....457
Table 295. All Other Sites Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003....458

APPENDIX A – CODES USED FOR GROUPING

Table 296. ICD-O Codes Used....460
Table 296. ICD-O Codes Used (Continued)....461
Table 297. ICD-9 and ICD-10 Codes Used....462
Table 297. ICD-9 and ICD-10 Codes Used (Continued)....463

TECHNICAL NOTES

This report brings together information from four primary data sources. The Nevada Central Cancer Registry (NCCR) within the Bureau of Health Planning and Statistics provided cancer incidence data. The Center for Health Information Analysis at the University of Nevada, Las Vegas (UNLV) provided inpatient hospital discharge (UB92) data. The Office of Vital Records (OVR), also within the Bureau of Health Planning and Statistics, provided the mortality data for this report. The Behavioral Risk Factor Surveillance System (BRFSS) data used to determine the rates of cancer screening are collected by the Center for Applied Research at the University of Nevada, Reno (UNR) and are stored and maintained by the Bureau of Health Planning and Statistics, Center for Health Data and Research.

General considerations that were made for this report include:

- **Aggregation of Data**

  This is a statistical report. Every attempt has been made to present the data in a format that does not allow the identification of an individual to be possible. While demographic information such as sex, race/ethnicity and age has been included in aggregate form, no attempt should be made to identify any individual detailed in this report.

- **Types of Cancer Classification Systems**

  The classification of the types of cancer was based upon a different coding system for each data source. The NCCR uses the International Classification of Disease, Oncology coding structure (ICD-O) that includes Topography (Primary Site) as well as Morphology (Tumor Type). This is similar to the ICD-10 system used in the 1999 to 2003 mortality data, to classify types of cancers. The 1998 mortality data that has been used for previous reports were coded using the ICD-9 classification system, which was also used by the inpatient hospital discharge data. A more detailed description of the codes used for this report is listed under considerations for each data source below, as well as in Appendix B.

- **Each data source is exclusive**

  While this report presents cancer data from four different sources, it is important to remember that each dataset is external to the others shown. Individual records were not linked for this report, so caution should be used when comparing data from each data source.

- **Selection of Residence**

  Only those events where the person was recorded as a Nevada resident at the time of diagnosis, time of discharge or time of death were included in this report. Those individuals who were listed as an Out of State resident were excluded.

- **County/Region of Residence**

This report details regional data as: Clark County, Washoe County and All Other Counties, as regions. This aggregation of the 15 remaining counties within Nevada was implemented to accommodate the significantly smaller population sizes in these counties. Aggregation of the smaller population minimizes any extraneous fluctuations in the disease rates presented in this report that may occur due to the large variance in the number of cancer events for each area due to the small size of the resident population for these remaining counties. The counties included in the All Other Counties region are: Carson City, Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine.

- **Map Representation**

  The maps presented in this report are provided to facilitate visual comparisons of rates within the state. However, caution should be used when interpreting these rates due to the small cell size and large variance that are present with many of the smaller counties in Nevada.

- **Gender Specific Cancer Rates**

  For gender specific cancers, such as Prostate, Female Breast, Cervix Uteri, Corpus Uteri & Uterus Not Otherwise Specified (NOS), and Ovary Cancers the rates listed in this report are per 100,000 gender-specific population, unless otherwise noted.

- **Calculation of Rates and Confidence Intervals**

  Rates and their respective confidence intervals were not calculated for those categories where the number of events was less than ten.

- **Racial/Ethnic Groups**

  Race/ethnicity groups used in this report: White, Black, Native American, Asian, and Hispanic were calculated to be mutually exclusive, except for the national rates where a similar population base could not be calculated. So, national rates for racial/ethnic groups are calculated based on either the race or ethnicity listed on the record. These rates may not be directly comparable with others listed in this report.

While every effort was made to develop reliable comparisons between all the data sources, each source had their own unique factors to consider. Below, in detail, are the specific differences between each source and how this report uses each type of information.

CANCER INCIDENCE STATISTICS:

The cancer incidence statistics used for this report are from the NCCR, which compiles cancer cases that are reported by, or abstracted from, hospitals and pathology labs in Nevada. Both Chapter 457 of the Nevada Revised Statutes and those regulations adopted by the State Board of Health regulate the Nevada Central Cancer Registry. More information on the reporting of information on cancer can be found under Chapter 457 of

the Nevada Administrative Code. The NCCR also receives information from other states on Nevada residents who were diagnosed, or are being treated, in other states.

The main considerations for this data source include:

- **Cancer Registry Reporting**

  The NCCR is a population-based registry. The validity of the numbers and rates used in this report depend on the completeness of cancer reporting, as well as the accuracy of the population estimates used. The North American Association of Central Cancer Registries (NAACCR) estimates the most current year of data presented in this report (2003) at 95.1% complete for case ascertainment and meets all other requirements for gold certification.

- **Updated Data**

  The NCCR is constantly being updated with new information, so the numbers published in this report may not match, or be directly comparable, with previously published data. The data that are presented in this report are from the NCCR as of September 2005.

- **Type of Cancers Reported**

  The number of cases included in this report are those reported as having an invasive disease, except for Breast and Urinary Bladder Cancer that also include those diagnosed with an in situ cancer. This distinction is not available in the other data sources.

- **Type of Cancer Classification System**

  The type of cancer was classified based on ICD-O2 Topography and Morphology codes. These codes provide levels of detail to the type of cancer that are not included in either the inpatient hospital discharge or mortality data. A detailed list of the actual groupings used for cancer incidence data, using both Topography and Morphology codes, can be found in Appendix B.

- **Survival Rates & Calculation**

  The survival rates listed in this report may not be directly comparable to national survival statistics. The reader should exercise caution in comparing statistics listed in this report to those nationally reported. Major factors that should be considered are:

  1. Survival rate calculations are based upon the number of cases being followed up and being verified for the survival status with the cohort subjects. Due to certain cancers having large numbers of "lost to follow-up" and "withdrawn alive" cases the remaining cohorts of these cancers are very small, especially after several years of follow-up. Therefore, please use extreme caution in interpreting the data (especially the four to five year groupings) presented in this report.

2. The rates do not include those reported as an Autopsy Only or Death Certificate Only (DCO) case.
3. Only those individuals who died from cancer and those still alive at last update are included in these calculations. Those dying from other causes of death are not included. However, it should be noted that the cause of death is not necessarily specific to the type of cancer listed at time of diagnosis. This is to include those cases where the cancer may have metastasized to another site.
4. The NCCR actively matches registry records to the Nevada Death Registry on a continuous basis. National statistics are usually based on data submitted at a certain point in time without future updates and data improvements. While calculations account for this difference, caution should be used when comparing the two areas.
5. Those individuals who are recorded as having multiple primaries are included for the first primary only.
6. Calculations exclude records with invalid dates and unknown ages.
7. National statistics typically exclude those cases not actively followed. This report does not make this exclusion.

INPATIENT HOSPITAL DISCHARGE STATISTICS:

The Inpatient Hospital Discharge data used for this report were compiled by the Center for Health Information Analysis (CHIA) at the University of Nevada, Las Vegas (UNLV/CHIA) from the universal billing form #92, (UB92) for inpatient hospital discharges. These data represent patients discharged from January 1, 1999 through December 31, 2003, inclusive. This information was gathered and computerized by UNLV/CHIA as part of a contractual agreement between the Department of Health and Human Services and the University of Nevada under the authority granted in Section 439B of the Nevada Revised Statutes. The information was then given to the Center for Health Data and Research where it was analyzed for this report.

The main considerations for this data source include:

- **Primary Diagnosis Selection**

  The number of resident inpatient discharges detailed in this report is based on a primary diagnosis of cancer. However, the database contains up to fourteen additional diagnoses. The difference between the two classifications is that there were 64,038 inpatient discharges that had cancer as any of the fifteen diagnoses. The number drops to 34,449 for those with cancer as the primary diagnosis. So, approximately 53.8% of the inpatient discharges related to cancer are published in this report. This was done to minimize any confusion that might occur from someone being treated for different types of cancer, as well as to focus on those discharges where cancer was the primary reason for being admitted.

- **Occurrence Based Data**

  These statistics are based on the occurrence of inpatient hospital discharges. An individual could be counted more than once had they been admitted to the

hospital for cancer more than once during this period. So, caution should be used when comparing inpatient hospital discharge data to the other data sources in this report.

- **Type of Cancer Classification System**

  The inpatient hospital discharge statistics were coded with the ICD-9 system. This is the same structure that was used in previous reports for the mortality data prior to 1999. After 1999 the mortality data changed to the ICD-10 version. A detailed list of the codes used to produce the groupings provided in this report for inpatient hospital discharge statistics can be found in Appendix B.

- **Racial/Ethnic Groups**

  Race/ethnicity information is not available in this database.

MORTALITY STATISTICS:

The mortality statistics used in this report are from the Nevada Death Registry maintained by the Office of Vital Records. The OVR, within the Bureau of Health Planning and Statistics, is the official government entity that collects, processes and maintains the state of Nevada's vital records. Deaths are first recorded at the county level before being forwarded to the State Registrar. Funeral Directors, or persons acting as such, are legally charged with filing death certificates.

These certificates are checked for completeness and accuracy and then entered into a database on the state mainframe computer system. When a certificate is found to be inaccurate or incomplete, staff follow up with the providing entity in accordance with NRS 440.150 to make the necessary corrections and/or additions to make the record satisfactory and complete. It should be noted that the quality of mortality data presented in this report is directly related to the accuracy and completeness of the information contained on the death certificates.

The main considerations for this data source include:

- **Underlying Cause of Death**

  The mortality data presented in this report are classified by the underlying (primary) cause responsible for death. Only those deaths where the underlying cause of death was cancer are included in this report.

- **Type of Cancer Classification System**

  The 1998 data used for this report were originally coded using the ICD-9 coding structure, while the 1999 to 2003 data were coded using the ICD-10 system. The ICD-9 system is a purely numeric coding system while the ICD-10 is an alphanumeric system. While there are many similarities between the ICD-9 and ICD-10 groupings, there are some differences between the types of cancer within the two versions. While there are comparability ratios available for the conversion between the two systems, the groups used in this report are based upon some

customized groupings of which comparability ratios are unavailable. The mortality numbers in this report have not been adjusted for coding differences that may have occurred with the transition from the ICD-9 to ICD-10 system. A detailed list of the actual groupings used for cancer mortality data, with both the ICD-9 and ICD-10 codes, can be found in Appendix B.

CANCER SCREENING STATISTICS:

The cancer screening data shown in this report come from the Behavioral Risk Factor Surveillance System (BRFSS), which is funded by the Center for Disease Control and Prevention (CDC). The data were compiled by the Center for Applied Research at the University of Nevada, Reno (UNR/CAR), through the nation's largest telephone survey. The survey data presented in this report covers years from 1999 to 2003. This information was gathered and computerized by the Center for Applied Research and then given to the Center for Health Data and Research as part of a contractual agreement between the Department of Health and Human Services and the University of Nevada.

The main considerations for this data source include:

- **Age of Respondents**

  The survey covers only those people 18 years of age and older.

- **Frequency of questions**

  The tables presented in this report are not for 1999 to 2003 inclusively. Some of the questions were asked on alternate years, while some have only been asked once. So, caution should be used when comparing these data.

- **Weighted percentages**

  The percentages listed in this report are weighted on the survey population characteristics and may not match percentages that are directly calculated from the numbers listed in the table.

NATIONAL STATISTICS:

The only national cancer statistics provided in this report are for cancer incidence. This information is from the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program. This program is the most comprehensive source of population-based cancer incidence information available for the United States. SEER covers approximately 26 percent of the US population through 13 population-based cancer registries.

The information presented in this report is based upon the customized use of SEER's public-use data featured within the SEER*Stat program. The "SEER 13 Regs excluding AK Public-Use, Nov 2004 Sub for Hispanics (1992-2002)" and "SEER 13 Regs Public-Use, Nov 2004 Sub for Expanded Races (1992-2002)" databases were those used in this report's calculations. These databases are based upon SEER's 13 population-based cancer registries, which are: Atlanta, Connecticut, Detroit, Hawaii, Iowa, New Mexico, San

Francisco-Oakland, Seattle-Puget Sound, Utah, Los Angeles, San Jose-Monterey, Alaska Native Tumor Registry and Rural Georgia. These registries have been designed to represent the incidence of cancer within the aggregate population of the United States.

The main considerations for this data source include:

- **Aggregation of Data**

  National statistics published in this report follow the guidelines in the SEER Public-Use data agreement. Therefore, those categories where the number is less than five are not shown.

- **Cancer Registry Reporting**

  The national data in this report are based upon data collected from population-based registries. The validity of the numbers and rates used in this report depend upon the completeness of the cancer reporting, as well as the accuracy of the population estimates used.

- **Period of Reportable Data**

  The most recent SEER data available are for the 1998 to 2002 period. So, it should be noted that comparisons in this report are based upon the 1999 to 2003 period for Nevada and the 1998 to 2002 period nationally.

- **Type of Cancers Reported**

  The number of cases listed in this report are those cases reported as having malignant behavior, except for Breast and Urinary Bladder Cancer that include those diagnosed with an in situ behavior, in order to be comparable with Nevada data.

- **Prostate Cancer Stage Revision**

  Prostate Cancer cases where the stage of cancer at time of diagnosis was originally coded as "Localized/regional (Prostate Cases 1995+)" are shown as localized within this report. Therefore, there will not be any regionally diagnosed cases of Prostate Cancer for the nation listed in this report.

- **Racial/Ethnic Groups**

  Race/ethnicity groupings, similar to Nevada, were not available for rates, since the population estimates provided in SEER*Stat were not organized in a similar format. Rates were available by either race or ethnicity, which means that the national rates presented in this report represent rates of Whites, Blacks, Native Americans and Asians (of any ethnicity) and Hispanics (of any race). Caution should be used when interpreting these rates, which may not be directly comparable with others listed in this report.

POPULATION ESTIMATES:

The Nevada population data used in this report are based on the database established by the Nevada State Demographer's Office and the Nevada Department of Taxations, as well as 1990 and 2000 Census data from the US Bureau of the Census.

OVERVIEW

OVERVIEW

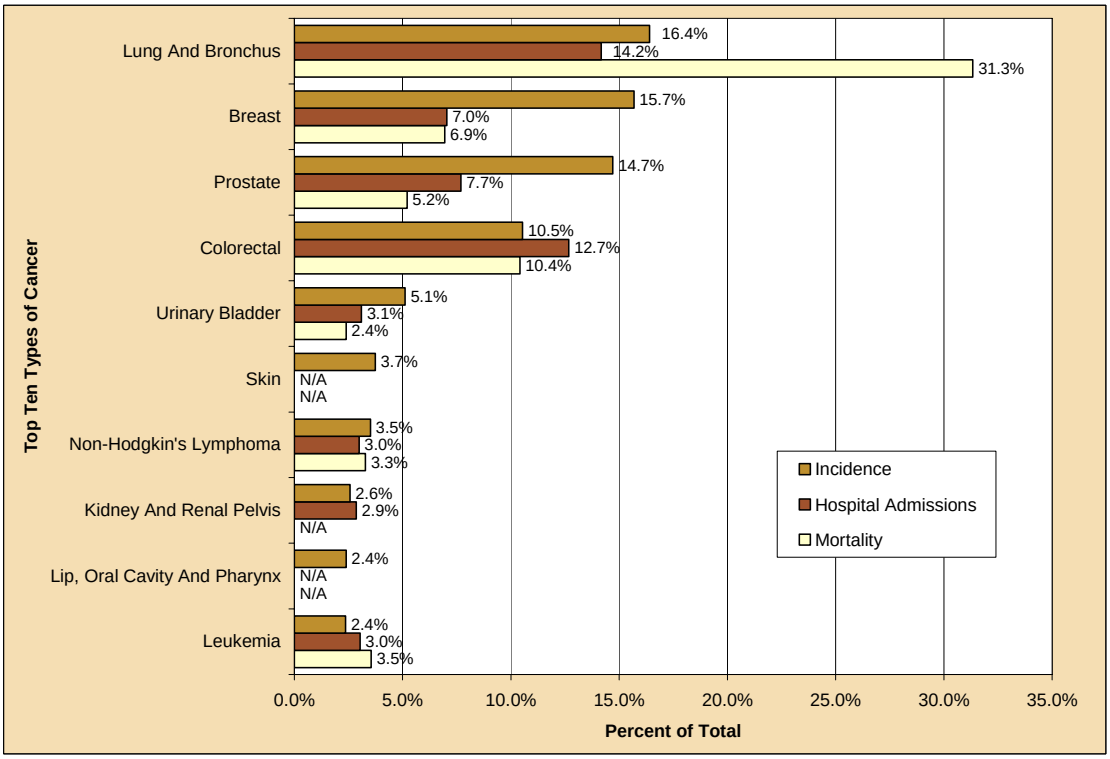
HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for incidence, inpatient hospital discharges and mortality in Nevada from 1999 to 2003. This type of cancer accounted for 16.4% of the total cancer incidence, 14.2% of all cancer inpatient hospital discharges, and 31.3% of cancer mortality during this period.

- Thyroid Gland Cancer by far had the highest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada, with a ratio of 26.77, from 1999 to 2003. This means that for every 100 deaths from Thyroid Gland Cancer there would be 2,677 cases. The second leading type was Hodgkin's Lymphoma with a ratio of 7.29.

- Pancreatic Cancer had the lowest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada, with a ratio of 1.08 during this period. This means that for every 100 deaths from Pancreatic Cancer there were 108 cases. The second leading type of cancer, Liver and Intrahepatic Bile Ducts, had a ratio of 1.15.

Figure 1. Top Ten Leading Types of Cancer by Percentage of Total Incidence, Discharges and Mortality, Nevada Residents, 1999-2003



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the respective data source.

Figure 2. Highest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1999-2003

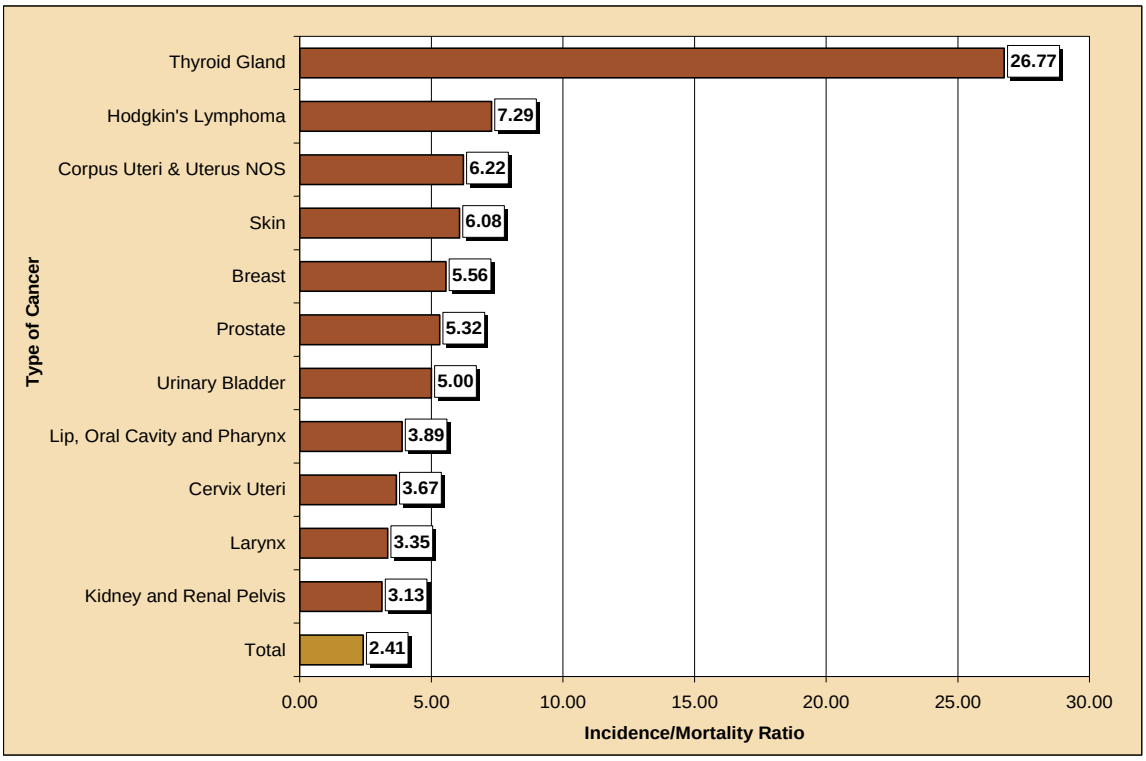


Figure 3. Lowest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1999-2003

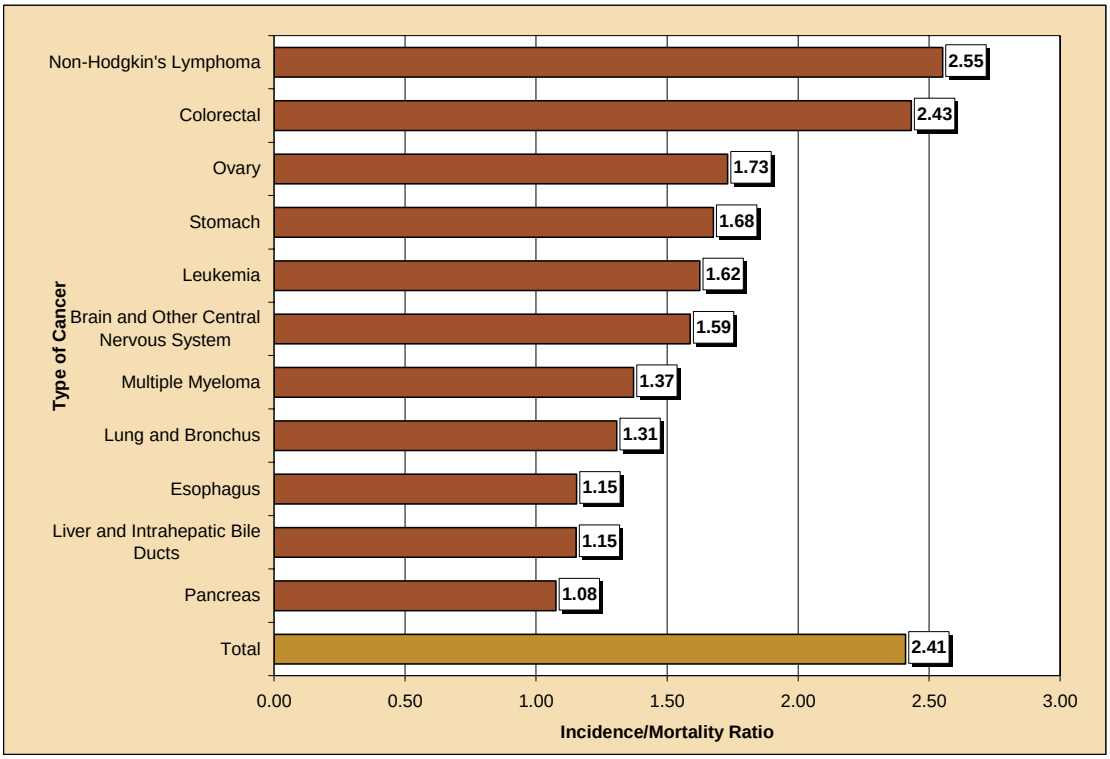


Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1999-2003

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	**47,808**	**483.00**	**34,449**	**343.00**	**18,821**	**200.00**
Lip, Oral Cavity and Pharynx	1,141	11.00	530	5.10	277	2.90
Lip	47	0.46	7	---	1	---
Base of Tongue	167	1.60	83	0.78	5	---
Other & Unspecified Parts of Tongue	175	1.70	100	0.96	76	0.73
Parotid Gland	90	0.95	47	0.47	13	0.13
Other & Unspecified Major Salivary glands	32	0.32	13	0.13	3	---
Floor of Mouth	87	0.86	51	0.47	6	---
Gum	29	0.29	29	0.29	3	---
Palate	46	0.46	13	0.12	4	---
Other & Unspecified Parts of Mouth	64	0.64	24	0.23	26	0.28
Nasopharynx	73	0.70	23	0.22	23	0.22
Tonsil	152	1.40	46	0.43	17	0.17
Oropharynx	49	0.47	30	0.27	17	0.18
Pyriform Sinus	43	0.44	15	0.15	1	---
Hypopharynx	37	0.36	25	0.24	5	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	50	0.51	24	0.24	77	0.81
Digestive System	8,205	85.00	6,879	71.00	4,373	47.00
Esophagus	522	5.20	302	3.00	449	4.50
Stomach	607	6.40	578	5.90	351	3.80
Small Intestine	133	1.30	162	1.60	31	0.34
Colon (excluding Rectum)	3,526	37.00	2,926	31.00	1,661	18.00
Cecum	792	8.50	618	6.70	7	---
Appendix	48	0.48	37	0.35	4	---
Ascending Colon	475	5.20	548	5.90	3	---
Hepatic Flexure	143	1.50	124	1.40	0	---
Transverse Colon	255	2.70	247	2.70	1	---
Splenic Flexure	100	1.00	118	1.20	0	---
Descending Colon	169	1.70	143	1.50	0	---
Sigmoid Colon	994	10.00	792	8.20	9	---
Large Intestine, NOS	550	6.20	299	3.10	1,637	18.00
Rectum	898	9.00	700	7.10	206	2.20
Rectosigmoid Junction	476	4.80	605	6.10	75	0.81
Anus, Anal Canal and Anorectum	138	1.40	133	1.30	18	0.18
Liver	483	4.90	323	3.20	388	4.00
Intrahepatic Bile Ducts	64	0.69	45	0.48	75	0.77
Gallbladder	64	0.69	34	0.36	40	0.45
Other & Unspecified Biliary Tract	143	1.60	143	1.50	50	0.56
Pancreas	1,068	11.00	822	8.40	977	10.00
Retroperitoneum	38	0.37	48	0.47	6	---
Peritoneum, Omentum and Mesentery	25	0.24	51	0.51	13	0.14
Other Digestive Organs	20	0.20	7	---	33	0.35
Respiratory System	8,396	85.00	5,220	52.00	6,032	62.00
Nasal Cavity and Middle Ear	39	0.39	12	0.13	0	---
Accessory Sinuses	30	0.29	17	0.17	13	0.12
Larynx	389	3.90	182	1.80	112	1.20
Lung and Bronchus	7,840	80.00	4,883	49.00	5,895	61.00
Pleura	81	0.84	58	0.60	3	---
Trachea	7	---	16	0.15	2	---
Mediastinum and Other Respiratory Organs	10	0.09	52	0.50	7	---
Bones, Joints and Articular Cartilage	80	0.78	122	1.20	46	0.49
Bones, Joints & Articular Cartilage of Limbs	38	0.37	53	0.50	1	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	42	0.40	69	0.69	45	0.48
Soft Tissue (Including Heart)	242	2.40	162	1.70	106	1.10
Heart	2	---	1	---	3	---
Peripheral Nerves & Autonomic Nervous System	3	---	0	---	3	---
Connective, Subcutaneous & Other Soft Tissues	237	2.40	161	1.60	100	1.00

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1999-2003 (Continued)

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	**47,808**	**483.00**	**34,449**	**343.00**	**18,821**	**200.00**
Skin (Excluding Basal And Squamous)	1,787	18.00	225	2.30	369	3.80
Melanomas Of The Skin	1,787	18.00	93	0.91	289	2.90
Other Non-Epithelial Skin	0	---	132	1.40	80	0.85
Breast	7,498	74.00	2,426	24.00	1,306	14.00
Female Genital System*	2,439	47.00	2,440	47.00	753	15.00
Cervix Uteri*	516	9.90	624	12.00	139	2.70
Corpus Uteri*	925	18.00	869	17.00	56	1.10
Uterus, NOS*	59	1.20	27	0.53	93	1.90
Ovary*	752	14.00	709	14.00	426	8.40
Vagina*	38	0.75	44	0.85	10	0.20
Vulva*	125	2.50	124	2.50	14	0.29
Placenta*	2	---	0	---	1	---
Other Female Genital Organs*	22	0.42	43	0.81	14	0.29
Male Genital System*	7,336	156.00	2,725	54.00	997	29.00
Prostate*	7,030	150.00	2,651	53.00	979	28.00
Testis*	268	4.90	57	1.00	13	0.27
Penis*	25	0.59	13	0.32	4	---
Other Male Genital Organs*	13	0.24	4	---	1	---
Urinary System	3,761	39.00	2,132	22.00	850	9.30
Urinary Bladder	2,444	26.00	1,067	11.00	449	5.10
Kidney	1,152	11.00	897	8.70	372	3.80
Renal Pelvis	75	0.76	88	0.90	5	---
Ureter	55	0.55	63	0.63	9	---
Other Urinary Organs	35	0.39	17	0.16	15	0.16
Eye and Orbit	58	0.57	5	---	8	---
Brain and Other Central Nervous System	649	6.50	891	8.70	402	4.10
Brain	598	6.00	829	8.10	398	4.00
Meninges	26	0.26	40	0.40	0	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	25	0.24	22	0.21	4	---
Endocrine System	1,032	9.70	1,442	14.00	56	0.59
Thyroid Gland	982	9.20	1,401	13.00	32	0.34
Adrenal Gland	21	0.22	17	0.16	13	0.14
Other Endocrine (Including Thymus)	29	0.29	24	0.24	11	0.11
Hodgkin's Lymphoma	251	2.40	107	1.00	33	0.33
Non-Hodgkin's Lymphoma	1,679	17.00	1,029	10.00	617	6.70
Multiple Myeloma	443	4.60	346	3.50	313	3.30
Leukemia	1,131	12.00	1,045	10.00	667	7.30
Lymphocytic	482	5.00	440	4.40	173	2.00
Acute Lymphocytic	91	0.89	288	2.70	37	0.38
Chronic Lymphocytic	362	3.80	149	1.60	129	1.50
Other Lymphocytic	29	0.29	3	---	7	---
Myeloid and Monocytic	533	5.50	547	5.50	276	2.90
Acute Myeloid	374	3.80	436	4.30	211	2.20
Acute Monocytic	18	0.20	8	---	1	---
Chronic Myeloid	128	1.40	96	1.00	46	0.50
Other Myeloid/Monocytic	13	0.13	7	---	18	0.19
Other	116	1.30	58	0.59	218	2.40
Other Acute	53	0.57	41	0.41	86	0.90
Aleukemic, Subleukemic and NOS	63	0.74	17	0.18	132	1.50
Mesothelioma	0	---	2	---	79	0.84
Kaposi Sarcoma	0	---	0	---	0	---
Other, Ill-Defined and Unspecified Sites	1,680	18.00	6,721	66.00	1,537	17.00

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 2. Leading Types of Cancer for Nevada Incidence, Inpatient Hospital Discharges and Mortality, Nevada Residents, 1999-2003

Type of Cancer	Incidence		Hospital Admissions		Mortality	
	Number	Percent	Number	Percent	Number	Percent
Lung and Bronchus	7,840	16.4%	4,883	14.2%	5,897	31.3%
Breast	7,498	15.7%	2,426	7.0%	1,307	6.9%
Prostate	7,030	14.7%	2,651	7.7%	979	5.2%
Lip, Oral Cavity and Pharynx	1,141	2.4%	530	1.5%	277	1.5%
Urinary Bladder	2,444	5.1%	1,067	3.1%	449	2.4%
Non-Hodgkin's Lymphoma	1,679	3.5%	1,029	3.0%	617	3.3%
Pancreas	1,067	2.2%	822	2.4%	977	5.2%
Thyroid Gland	982	2.1%	1,401	4.1%	32	0.2%
Ovary	752	1.6%	709	2.1%	426	2.3%
Stomach	607	1.3%	578	1.7%	351	1.9%
Esophagus	522	1.1%	302	0.9%	449	2.4%
Cervix Uteri	516	1.1%	624	1.8%	139	0.7%
Multiple Myeloma	443	0.9%	346	1.0%	313	1.7%
Larynx	389	0.8%	182	0.5%	112	0.6%
Hodgkin's Lymphoma	251	0.5%	107	0.3%	33	0.2%
Colorectal	5,038	10.5%	4,364	12.7%	1,960	10.4%
Kidney and Renal Pelvis	1,227	2.6%	985	2.9%	377	2.0%
Leukemia	1,130	2.4%	1,044	3.0%	667	3.5%
Skin	1,786	3.7%	93	0.3%	289	1.5%
Corpus Uteri & Uterus NOS	984	2.1%	896	2.6%	149	0.8%
Brain and Other Central Nervous System	649	1.4%	891	2.6%	402	2.1%
Liver and Intrahepatic Bile Ducts	547	1.1%	368	1.1%	463	2.5%
All Other Sites	3,282	6.9%	8,150	23.7%	2,159	11.5%
Total	**47,804**	**100.0%**	**34,448**	**100.0%**	**18,824**	**100.0%**

Note: Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 3. Top Ten Types of Cancer by Gender, Incidence, Hospital Discharges, and Mortality, Nevada Residents, 1999-2003

Total

Ranking	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Lung And Bronchus	7,840	16.4%	Lung And Bronchus	4,883	14.2%	Lung And Bronchus	5,897	31.3%
2	Breast	7,498	15.7%	Colorectal	4,364	12.7%	Colorectal	1,960	10.4%
3	Prostate	7,030	14.7%	Prostate	2,651	7.7%	Breast	1,307	6.9%
4	Colorectal	5,038	10.5%	Breast	2,426	7.0%	Prostate	979	5.2%
5	Urinary Bladder	2,444	5.1%	Thyroid Gland	1,401	4.1%	Pancreas	977	5.2%
6	Skin	1,786	3.7%	Urinary Bladder	1,067	3.1%	Leukemia	667	3.5%
7	Non-Hodgkin's Lymphoma	1,679	3.5%	Leukemia	1,044	3.0%	Non-Hodgkin's Lymphoma	617	3.3%
8	Kidney And Renal Pelvis	1,227	2.6%	Non-Hodgkin's Lymphoma	1,029	3.0%	Liver And Intrahepatic Bile Ducts	463	2.5%
9	Lip, Oral Cavity And Pharynx	1,141	2.4%	Kidney And Renal Pelvis	985	2.9%	Esophagus	449	2.4%
10	Leukemia	1,130	2.4%	Corpus Uteri & Uterus Nos	896	2.6%	Urinary Bladder	449	2.4%
	Total of Top 10	36,813	77.0%	Total of Top 10	20,746	60.2%	Total of Top 10	13,765	73.1%
-	Total	47,808	100.0%	Total	34,449	100.0%	Total	18,821	100.0%

Male

Ranking	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Prostate	7,030	14.7%	Prostate	2,651	7.7%	Lung And Bronchus	3,256	17.3%
2	Lung And Bronchus	4,189	8.8%	Lung And Bronchus	2,517	7.3%	Colorectal	1,112	5.9%
3	Colorectal	2,760	5.8%	Colorectal	2,300	6.7%	Prostate	979	5.2%
4	Urinary Bladder	1,893	4.0%	Urinary Bladder	829	2.4%	Pancreas	509	2.7%
5	Skin	1,064	2.2%	Kidney And Renal Pelvis	645	1.9%	Leukemia	391	2.1%
6	Non-Hodgkin's Lymphoma	960	2.0%	Leukemia	605	1.8%	Esophagus	362	1.9%
7	Lip, Oral Cavity And Pharynx	819	1.7%	Non-Hodgkin's Lymphoma	555	1.6%	Non-Hodgkin's Lymphoma	344	1.8%
8	Kidney And Renal Pelvis	791	1.7%	Brain And Other Central Nervous	491	1.4%	Urinary Bladder	331	1.8%
9	Leukemia	664	1.4%	Pancreas	429	1.2%	Liver And Intrahepatic Bile Ducts	315	1.7%
10	Pancreas	566	1.2%	Stomach	395	1.1%	Kidney And Renal Pelvis	257	1.4%
	Total of Top 10	20,736	82.3%	Total of Top 10	11,417	68.2%	Total of Top 10	7,856	76.8%
-	Total	25,192	100.0%	Total	16,736	100.0%	Total	10,227	100.0%

Female

Ranking	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Breast	7,417	15.5%	Breast	2,404	7.0%	Lung And Bronchus	2,641	14.0%
2	Lung And Bronchus	3,651	7.6%	Lung And Bronchus	2,366	6.9%	Breast	1,293	6.9%
3	Colorectal	2,278	4.8%	Colorectal	2,064	6.0%	Colorectal	848	4.5%
4	Corpus Uteri & Uterus Nos	984	2.1%	Thyroid Gland	1,106	3.2%	Pancreas	468	2.5%
5	Thyroid Gland	763	1.6%	Corpus Uteri & Uterus Nos	896	2.6%	Ovary	426	2.3%
6	Ovary	752	1.6%	Ovary	709	2.1%	Leukemia	276	1.5%
7	Skin	722	1.5%	Cervix Uteri	624	1.8%	Non-Hodgkin's Lymphoma	273	1.5%
8	Non-Hodgkin's Lymphoma	719	1.5%	Non-Hodgkin's Lymphoma	474	1.4%	Brain And Other Central Nervous	171	0.9%
9	Urinary Bladder	551	1.2%	Leukemia	439	1.3%	Corpus Uteri & Uterus Nos	149	0.8%
10	Cervix Uteri	516	1.1%	Brain And Other Central Nervous	400	1.2%	Liver And Intrahepatic Bile Ducts	148	0.8%
	Total of Top 10	18,353	81.2%	Total of Top 10	11,482	64.8%	Total of Top 10	6,693	77.9%
-	Total	22,612	100.0%	Total	17,712	100.0%	Total	8,594	100.0%

Note: Those of other/unknown gender are not listed separately, but are included in the total.

Table 4. Incidence to Mortality Age-Adjusted Rate Ratios for the Leading Types of Cancer, Nevada Residents, 1999-2003

Type of Cancer	Incidence			Mortality			Ratio
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.	
Lung and Bronchus	7,840	79.72	(77.9-81.5)	5,895	60.95	(59.4-62.6)	1.31
Breast*	7,417	141.8	(138.5-145.1)	1,292	25.5	(24.1-26.9)	5.56
Prostate*	7,030	150.1	(146.4-153.9)	979	28.2	(26.3-30.2)	5.32
Colorectal	5,038	52.7	(51.2-54.2)	1,960	21.7	(20.7-22.7)	2.43
Urinary Bladder	2,444	25.7	(24.6-26.7)	449	5.1	(4.7-5.7)	5.00
Non-Hodgkin's Lymphoma	1,679	17.1	(16.3-18.0)	617	6.7	(6.2-7.3)	2.55
Kidney and Renal Pelvis	1,227	12.1	(11.4-12.8)	377	3.9	(3.5-4.3)	3.13
Leukemia	1,131	11.8	(11.2-12.6)	667	7.3	(6.7-7.9)	1.62
Lip, Oral Cavity and Pharynx	1,141	11.1	(10.5-11.8)	277	2.9	(2.5-3.2)	3.89
Pancreas	1,068	11.1	(10.4-11.8)	977	10.3	(9.6-11.0)	1.08
Skin	1,787	17.7	(16.8-18.5)	289	2.9	(2.6-3.3)	6.08
Corpus Uteri & Uterus NOS*	984	18.8	(17.6-20.0)	149	3.0	(2.6-3.6)	6.22
Ovary*	752	14.5	(13.5-15.6)	426	8.4	(7.6-9.2)	1.73
Thyroid Gland	982	9.2	(8.7-9.8)	32	0.3	(0.2-0.5)	26.74
Brain and Other Central Nervous System	649	6.5	(6.0-7.0)	402	4.1	(3.7-4.5)	1.59
Stomach	607	6.4	(5.9-6.9)	351	3.8	(3.4-4.2)	1.68
Liver and Intrahepatic Bile Ducts	547	5.5	(5.1-6.0)	463	4.8	(4.4-5.3)	1.15
Cervix Uteri*	516	9.9	(9.1-10.8)	139	2.7	(2.3-3.2)	3.67
Esophagus	522	5.2	(4.8-5.7)	449	4.5	(4.1-5.0)	1.15
Larynx	389	3.9	(3.5-4.3)	112	1.2	(0.9-1.4)	3.35
Multiple Myeloma	443	4.6	(4.2-5.0)	313	3.3	(3.0-3.7)	1.37
Hodgkin's Lymphoma	251	2.4	(2.1-2.7)	33	0.3	(0.2-0.5)	7.29
All Other Sites	3,283	33.8	(32.6-35.0)	2,159	23.3	(22.3-24.3)	1.45
Total	**47,808**	**482.6**	**(478.2-487.1)**	**18,821**	**200.3**	**(197.3-203.2)**	**2.41**

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

INCIDENCE

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer in Nevada from 1999 to 2003. This type of cancer accounted for 16.4% of all resident cancer cases during this period. The second leading type, Breast Cancer, accounted for 15.7% of all cancer incidence.

- When compared to national (1998-2002) incidence, Nevada had a much higher percentage of Lung and Bronchus Cancer, 16.4% vs 12.8% during the 1999-2003 period.

- Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer incidence rates for Whites, with a ratio of 0.92. This means that for every 100 White cancer cases Blacks would be expected to have 92 cases. Asians, Hispanics and Native Americans had comparison ratios of 0.55, 0.50 and 0.11, respectively, for Nevada from 1999 to 2003.

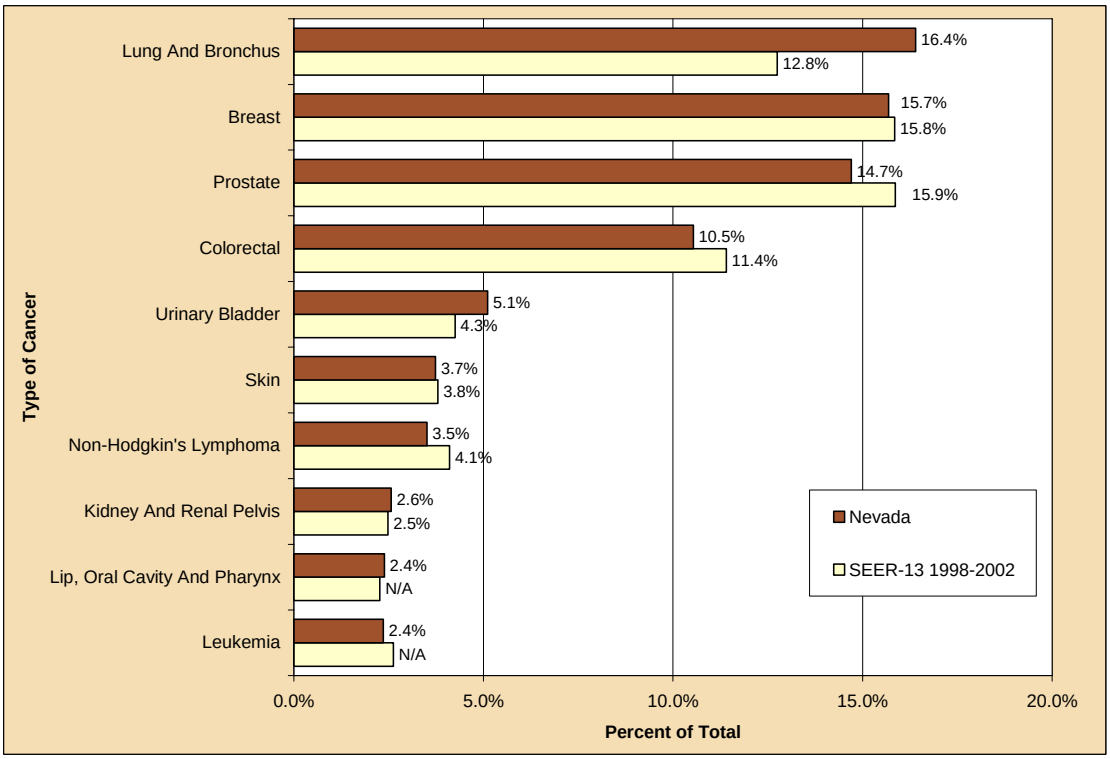
- Multiple Myeloma had the highest age-adjusted incidence comparison ratio for Blacks when compared to Whites in Nevada from 1999 to 2003 with a comparison ratio of 1.93. This means that for every 100 White Multiple Myeloma cancer cases Blacks would be expected to have 193. Liver and Intrahepatic Bile Duct cancer had the highest age-adjusted comparison ratio for Asians when compared to Whites in Nevada from 1999 to 2003 at 2.59.

- Skin cancer had the lowest age-adjusted incidence comparison ratio for Blacks, Asians and Hispanics when compared to whites with ratios of 0.13, 0.05, and 0.14 respectively. Meaning for every 100 White Skin cancer cases Blacks would be expected to have 13, Asians 5 and Hispanics 14.

- Hodgkin's Lymphoma had the lowest median age at time of diagnosis for Nevada residents from 1999 to 2003 at 40 years. The median age for females diagnosed with Hodgkin's Lymphoma was 38.5 years, while for males it was 42 years.

- Urinary Bladder Cancer had the highest median ages at time of diagnosis for Nevada residents during the 1999 to 2003 period at 71 years. The median age for females and males diagnosed with this type of cancer was 71 years.

Figure 4. Top Ten Leading Cancers as a Percentage of Total Cases, Nevada (1999-2003) and SEER-13 (1998-2002)



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the SEER region.

Figure 5. Comparison of Age-Adjusted (2000) Incidence Rates of Blacks compared to Whites, Nevada Residents, 1999-2003

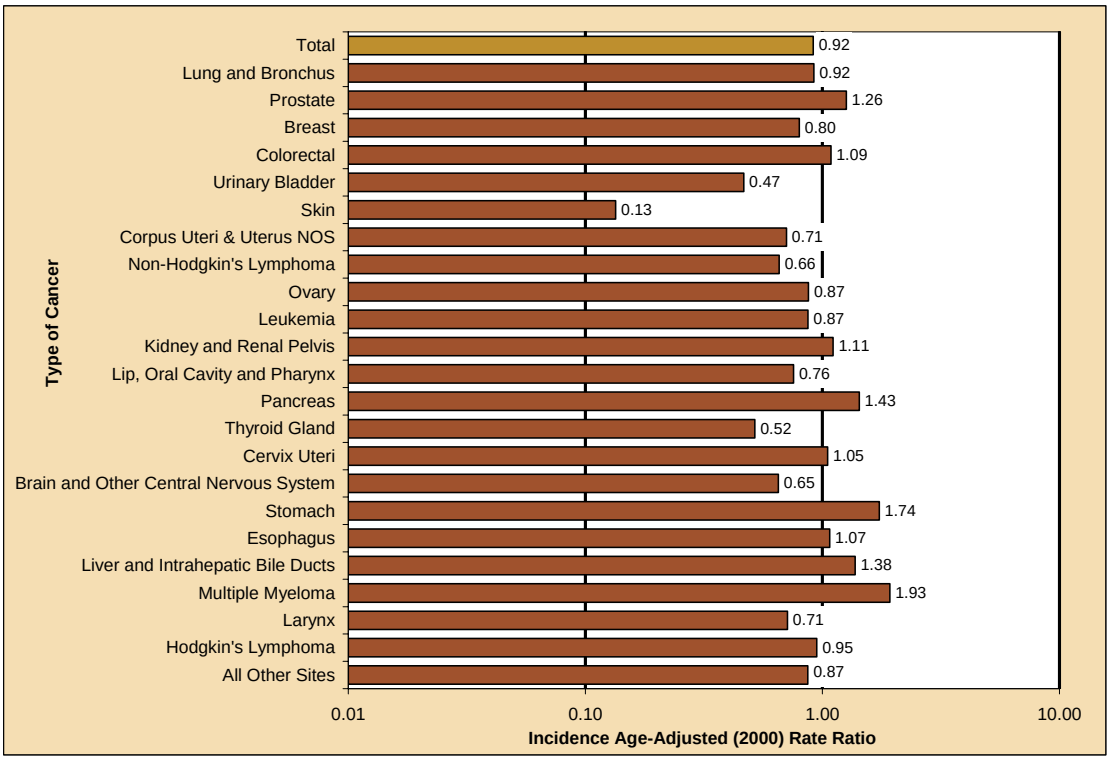
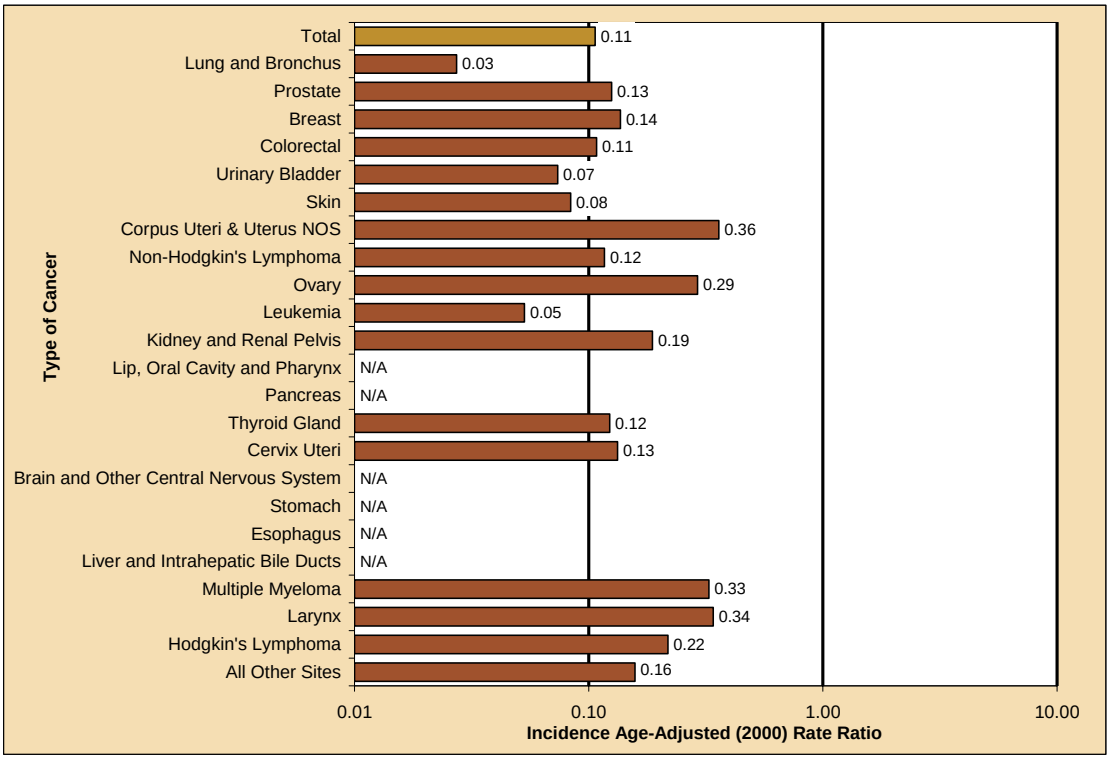


Figure 6. Comparison of Age-Adjusted (2000) Incidence Rates of Native Americans compared to Whites, Nevada Residents, 1999-2003



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 7. Comparison of Age-Adjusted (2000) Incidence Rates of Asians compared to Whites, Nevada Residents, 1999-2003

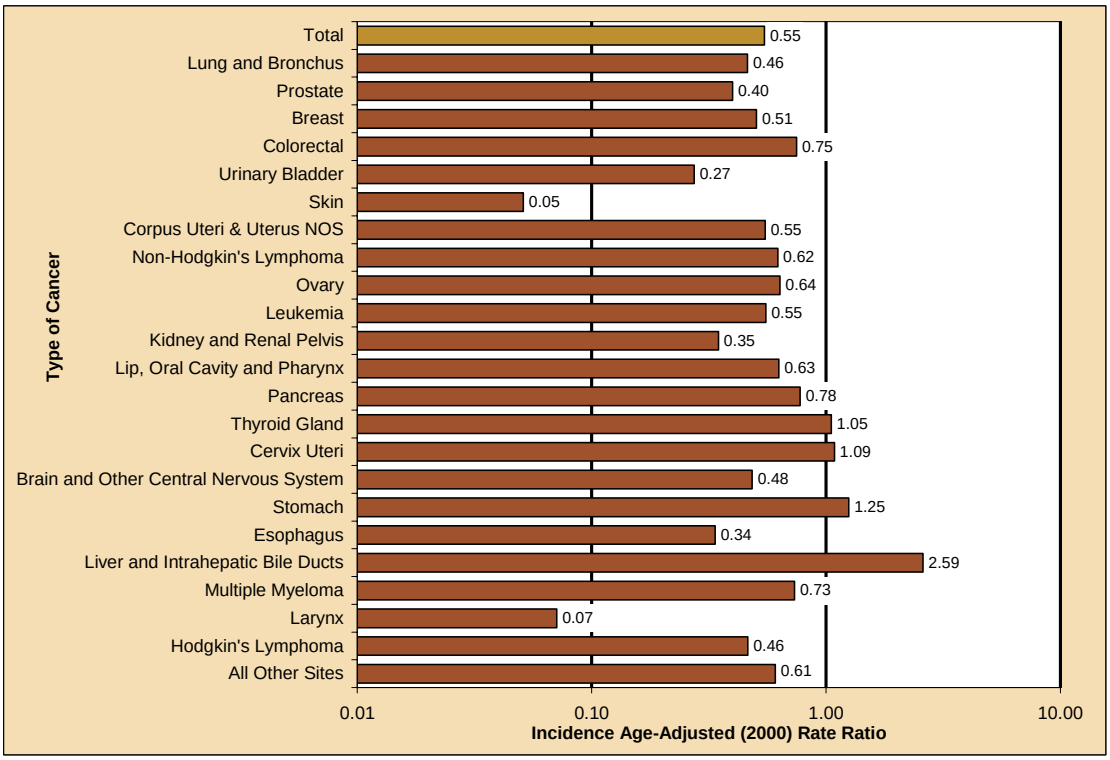


Figure 8. Comparison of Age-Adjusted (2000) Incidence Rates of Hispanics compared to Whites, Nevada Residents, 1999-2003

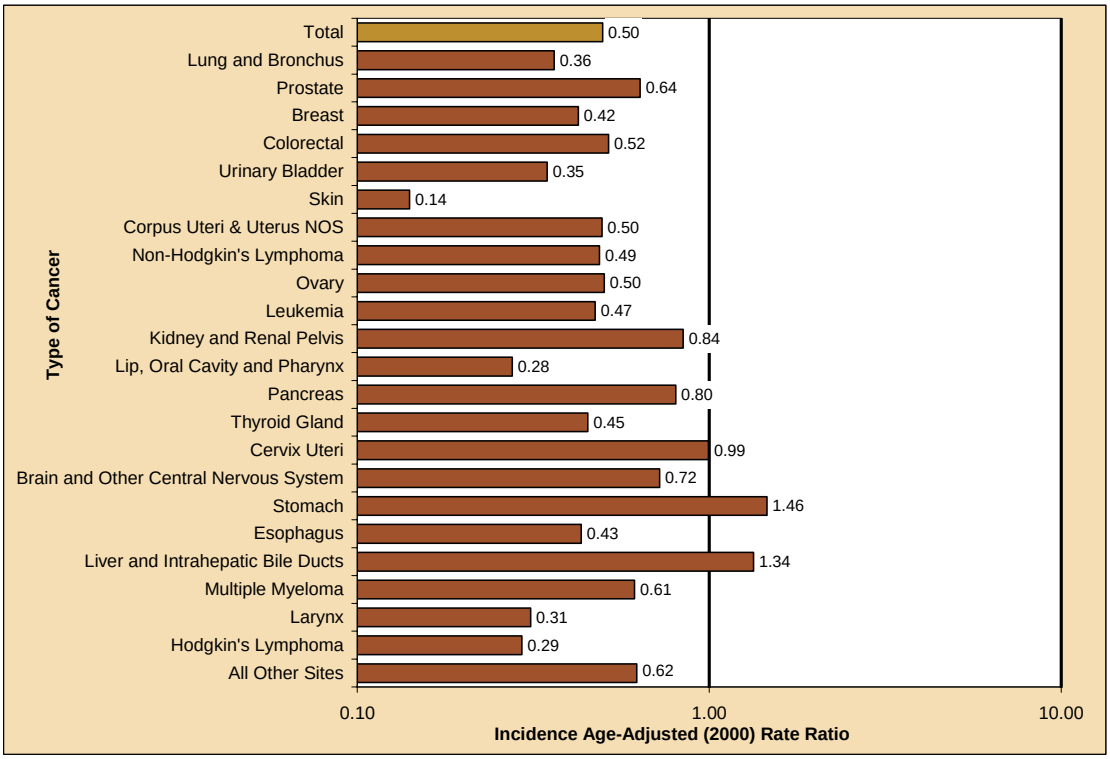


Table 5. Nevada Incidence by Type of Cancer, Nevada (1999-2003) and SEER-13 (1998-2002)

Type of Cancer	Incidence (1999-2003)			SEER-13 (1998-2002)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	**47,808**	**483.00**	**(478.2-487.1)**	**831,938**	**469.59**	**(468.6-470.6)**
Lip, Oral Cavity and Pharynx	1,141	11.00	(10.5-11.8)	18,785	10.49	(10.3-10.6)
Lip	47	0.46	(0.3-0.6)	1,623	0.92	(0.9-1.0)
Base of Tongue	167	1.60	(1.3-1.8)	2,061	1.15	(1.1-1.2)
Other & Unspecified Parts of Tongue	175	1.70	(1.4-1.9)	2,634	1.47	(1.4-1.5)
Parotid Gland	90	0.95	(0.8-1.2)	1,687	0.94	(0.9-1.0)
Other & Unspecified Major Salivary glands	32	0.32	(0.2-0.5)	452	0.25	(0.2-0.3)
Floor of Mouth	87	0.86	(0.7-1.1)	1,382	0.78	(0.7-0.8)
Gum	29	0.29	(0.2-0.4)	717	0.41	(0.4-0.4)
Palate	46	0.46	(0.3-0.6)	991	0.55	(0.5-0.6)
Other & Unspecified Parts of Mouth	64	0.64	(0.5-0.8)	1,179	0.67	(0.6-0.7)
Nasopharynx	73	0.70	(0.5-0.9)	1,294	0.70	(0.7-0.7)
Tonsil	152	1.40	(1.2-1.7)	2,387	1.31	(1.3-1.4)
Oropharynx	49	0.47	(0.3-0.6)	530	0.30	(0.3-0.3)
Pyriform Sinus	43	0.44	(0.3-0.6)	844	0.48	(0.5-0.5)
Hypopharynx	37	0.36	(0.3-0.5)	562	0.32	(0.3-0.4)
Other & Unspecified Oral (Buccal) Cavity & Pharynx	50	0.51	(0.4-0.7)	0	---	---
Digestive System	8,205	85.00	(83.4-87.2)	158,878	90.75	(90.3-91.2)
Esophagus	522	5.20	(4.8-5.7)	7,888	4.51	(4.4-4.6)
Stomach	607	6.40	(5.9-6.9)	15,315	8.74	(8.6-8.9)
Small Intestine	133	1.30	(1.1-1.6)	3,089	1.74	(1.7-1.8)
Colon (excluding Rectum)	3,526	37.00	(36.2-38.7)	66,614	38.24	(38.0-38.5)
Cecum	792	8.50	(7.9-9.1)	15,444	8.91	(8.8-9.1)
Appendix	48	0.48	(0.4-0.7)	909	0.50	(0.5-0.5)
Ascending Colon	475	5.20	(4.7-5.7)	10,954	6.32	(6.2-6.4)
Hepatic Flexure	143	1.50	(1.3-1.8)	3,816	2.20	(2.1-2.3)
Transverse Colon	255	2.70	(2.4-3.1)	6,036	3.47	(3.4-3.6)
Splenic Flexure	100	1.00	(0.8-1.2)	2,461	1.41	(1.4-1.5)
Descending Colon	169	1.70	(1.5-2.0)	3,966	2.27	(2.2-2.3)
Sigmoid Colon	994	10.00	(9.5-10.8)	19,606	11.21	(11.1-11.4)
Large Intestine, NOS	550	6.20	(5.6-6.7)	3,422	1.96	(1.9-2.0)
Rectum	898	9.00	(8.4-9.7)	18,198	10.30	(10.2-10.5)
Rectosigmoid Junction	476	4.80	(4.4-5.3)	7,570	4.31	(4.2-4.4)
Anus, Anal Canal and Anorectum	138	1.40	(1.1-1.6)	2,504	1.39	(1.3-1.5)
Liver	483	4.90	(4.4-5.3)	9,525	5.37	(5.3-5.5)
Intrahepatic Bile Ducts	64	0.69	(0.5-0.9)	1,392	0.80	(0.8-0.8)
Gallbladder	64	0.69	(0.5-0.9)	2,126	1.22	(1.2-1.3)
Other & Unspecified Biliary Tract	143	1.60	(1.3-1.8)	2,747	1.58	(1.5-1.6)
Pancreas	1,068	11.00	(10.4-11.8)	19,198	11.02	(10.9-11.2)
Retroperitoneum	38	0.37	(0.3-0.5)	775	0.43	(0.4-0.5)
Peritoneum, Omentum and Mesentery	25	0.24	(0.2-0.4)	1,056	0.60	(0.6-0.6)
Other Digestive Organs	20	0.20	(0.1-0.3)	881	0.50	(0.5-0.5)
Respiratory System	8,396	85.00	(83.4-87.2)	114,000	65.50	(65.1-65.9)
Nasal Cavity and Middle Ear	39	0.39	(0.3-0.5)	698	0.39	(0.4-0.4)
Accessory Sinuses	30	0.29	(0.2-0.4)	775	0.43	(0.4-0.5)
Larynx	389	3.90	(3.5-4.3)	6,435	3.65	(3.6-3.7)
Lung and Bronchus	7,840	80.00	(77.9-81.5)	105,973	60.97	(60.6-61.3)
Pleura	81	0.84	(0.7-1.1)	63	0.04	(0.0-0.1)
Trachea	7	---	---	106	0.06	(0.1-0.1)
Mediastinum and Other Respiratory Organs	10	0.09	(0.0-0.2)	311	0.16	(0.1-0.2)
Bones, Joints and Articular Cartilage	80	0.78	(0.6-1.0)	2,273	1.22	(1.2-1.3)
Bones, Joints & Articular Cartilage of Limbs	38	0.37	(0.3-0.5)	1,060	0.56	(0.5-0.6)
Bones, Joints & Articular Cartilage of Other & Unspec Sites	42	0.40	(0.3-0.6)	1,213	0.66	(0.6-0.7)
Soft Tissue (Including Heart)	242	2.40	(2.1-2.8)	5,288	2.87	(2.8-3.0)
Heart	2	---	---	75	0.04	(0.0-0.1)
Peripheral Nerves & Autonomic Nervous System	3	---	---	274	0.14	(0.1-0.2)
Connective, Subcutaneous & Other Soft Tissues	237	2.40	(2.1-2.7)	5,582	3.05	(3.0-3.1)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 5. Nevada Incidence by Type of Cancer, Nevada (1999-2003) and SEER-13 (1998-2002) (Continued)

Type of Cancer	Incidence (1999-2003)			SEER-13 (1998-2002)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	**47,808**	**483.0**	**(478.2-487.1)**	**831,938**	**469.59**	**(468.6-470.6)**
Skin (Excluding Basal And Squamous)	1,787	18.00	(16.8-18.5)	34,837	19.07	(18.9-19.3)
Melanomas Of The Skin	1,787	18.00	(16.8-18.5)	31,586	17.26	(17.1-17.5)
Other Non-Epithelial Skin	0	---	---	3,251	1.81	(1.8-1.9)
Breast*	7,498	74.00	(72.2-75.6)	130,920	134.41	(133.7-135.1)
Female Genital System*	2,439	24.00	(23.2-25.1)	49,572	50.75	(50.3-51.2)
Cervix Uteri*	516	5.00	(4.5-5.4)	8,815	8.95	(8.8-9.1)
Corpus Uteri*	925	9.10	(8.5-9.7)	23,533	24.25	(23.9-24.6)
Uterus, NOS*	59	0.63	(0.5-0.8)	461	0.46	(0.4-0.5)
Ovary*	752	7.50	(7.0-8.1)	13,573	13.87	(13.6-14.1)
Vagina*	38	0.39	(0.3-0.6)	695	0.70	(0.7-0.8)
Vulva*	125	1.30	(1.1-1.6)	2,226	2.22	(2.1-2.3)
Placenta*	2	---	---	99	0.10	(0.1-0.1)
Other Female Genital Organs*	22	0.22	(0.1-0.4)	638	0.66	(0.6-0.7)
Male Genital System*	7,336	73.00	(71.4-74.8)	138,169	180.33	(179.4-181.3)
Prostate*	7,030	70.00	(68.5-71.9)	131,996	173.96	(173.0-174.9)
Testis*	268	2.50	(2.2-2.8)	5,334	5.26	(5.1-5.4)
Penis*	25	0.26	(0.2-0.4)	579	0.77	(0.7-0.8)
Other Male Genital Organs*	13	0.12	(0.1-0.2)	260	0.34	(0.3-0.4)
Urinary System	3,761	39.00	(37.4-40.0)	0	---	---
Urinary Bladder	2,444	26.00	(24.6-26.7)	35,374	20.36	(20.2-20.6)
Kidney	1,152	11.00	(10.7-12.0)	19,227	10.81	(10.7-11.0)
Renal Pelvis	75	0.76	(0.6-1.0)	1,501	0.87	(0.8-0.9)
Ureter	55	0.55	(0.4-0.7)	887	0.51	(0.5-0.6)
Other Urinary Organs	35	0.39	(0.3-0.6)	520	0.30	(0.3-0.3)
Eye and Orbit	58	0.57	(0.4-0.8)	1,386	0.76	(0.7-0.8)
Brain and Other Central Nervous System	649	6.50	(6.0-7.0)	11,742	6.37	(6.3-6.5)
Brain	598	6.00	(5.5-6.5)	11,729	6.37	(6.3-6.5)
Meninges	26	0.26	(0.2-0.4)	226	0.13	(0.1-0.1)
Spinal Cord, Cranial Nerves, & Other Parts of CNS	25	0.24	(0.2-0.4)	631	0.33	(0.3-0.4)
Endocrine System	1,032	9.70	(9.1-10.4)	15,771	8.28	(8.2-8.4)
Thyroid Gland	982	9.20	(8.7-9.8)	14,527	7.62	(7.5-7.7)
Adrenal Gland	21	0.22	(0.1-0.4)	553	0.29	(0.3-0.3)
Other Endocrine (Including Thymus)	29	0.29	(0.2-0.4)	748	0.40	(0.4-0.4)
Hodgkin's Lymphoma	251	2.40	(2.1-2.7)	5,178	2.67	(2.6-2.8)
Non-Hodgkin's Lymphoma	1,679	17.00	(16.3-18.0)	34,190	19.15	(19.0-19.4)
Multiple Myeloma	443	4.60	(4.2-5.0)	9,694	5.55	(5.4-5.7)
Leukemia	1,131	12.00	(11.2-12.6)	21,832	12.17	(12.0-12.3)
Lymphocytic	482	5.00	(4.6-5.5)	10,030	5.56	(5.5-5.7)
Acute Lymphocytic	91	0.89	(0.7-1.1)	2,961	1.52	(1.5-1.6)
Chronic Lymphocytic	362	3.80	(3.4-4.3)	6,261	3.59	(3.5-3.7)
Other Lymphocytic	29	0.29	(0.2-0.4)	808	0.45	(0.4-0.5)
Myeloid and Monocytic	533	5.50	(5.1-6.0)	10,413	5.81	(5.7-5.9)
Acute Myeloid	374	3.80	(3.4-4.3)	6,780	3.79	(3.7-3.9)
Acute Monocytic	18	0.20	(0.1-0.3)	482	0.27	(0.2-0.3)
Chronic Myeloid	128	1.40	(1.1-1.6)	2,872	1.59	(1.5-1.7)
Other Myeloid/Monocytic	13	0.13	(0.1-0.2)	279	0.16	(0.1-0.2)
Other	116	1.30	(1.1-1.6)	1,389	0.80	(0.8-0.8)
Other Acute	53	0.57	(0.4-0.8)	693	0.40	(0.4-0.4)
Aleukemic, Subleukemic and NOS	63	0.74	(0.6-1.0)	696	0.40	(0.4-0.4)
Mesothelioma	0	---	---	1,774	1.02	(1.0-1.1)
Kaposi Sarcoma	0	---	---	1,728	0.89	(0.9-0.9)
Other, Ill-Defined and Unspecified Sites	1,680	18.00	(16.8-18.5)	18,322	10.48	(10.3-10.6)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 6. Nevada Incidence by Type of Cancer and Gender, Nevada, 1999-2003

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**47,808**	**483.00**	**25,192**	**542.00**	**22,612**	**439.00**
Lip, Oral Cavity and Pharynx	1,141	11.00	819	16.00	322	6.20
Lip	47	0.46	44	0.91	3	---
Base of Tongue	167	1.60	139	2.70	28	0.53
Other & Unspecified Parts of Tongue	175	1.70	123	2.40	52	0.98
Parotid Gland	90	0.95	57	1.40	33	0.65
Other & Unspecified Major Salivary glands	32	0.32	19	0.40	13	0.24
Floor of Mouth	87	0.86	54	1.10	33	0.65
Gum	29	0.29	15	0.31	14	0.27
Palate	46	0.46	27	0.55	19	0.37
Other & Unspecified Parts of Mouth	64	0.64	37	0.77	27	0.52
Nasopharynx	73	0.70	53	0.99	20	0.39
Tonsil	152	1.40	124	2.30	28	0.53
Oropharynx	49	0.47	39	0.80	10	0.18
Pyriform Sinus	43	0.44	33	0.74	10	0.20
Hypopharynx	37	0.36	26	0.50	11	0.21
Other & Unspecified Oral (Buccal) Cavity & Pharynx	50	0.51	29	0.67	21	0.41
Digestive System	8,205	85.00	4,733	104.00	3,471	69.00
Esophagus	522	5.20	402	8.40	120	2.30
Stomach	607	6.40	399	8.90	208	4.20
Small Intestine	133	1.30	68	1.40	65	1.30
Colon (excluding Rectum)	3,526	37.00	1,871	42.00	1,655	33.00
Cecum	792	8.50	401	9.30	391	7.90
Appendix	48	0.48	28	0.60	20	0.38
Ascending Colon	475	5.20	230	5.30	245	5.00
Hepatic Flexure	143	1.50	73	1.60	70	1.40
Transverse Colon	255	2.70	128	2.80	127	2.60
Splenic Flexure	100	1.00	50	1.10	50	0.96
Descending Colon	169	1.70	103	2.20	66	1.30
Sigmoid Colon	994	10.00	558	12.00	436	8.50
Large Intestine, NOS	550	6.20	300	7.40	250	5.20
Rectum	898	9.00	554	12.00	344	6.70
Rectosigmoid Junction	476	4.80	282	6.00	194	3.80
Anus, Anal Canal and Anorectum	138	1.40	53	1.00	85	1.70
Liver	483	4.90	350	7.20	133	2.60
Intrahepatic Bile Ducts	64	0.69	36	0.85	28	0.57
Gallbladder	64	0.69	24	0.57	40	0.80
Other & Unspecified Biliary Tract	143	1.60	85	2.00	58	1.20
Pancreas	1,068	11.00	566	12.00	501	9.90
Retroperitoneum	38	0.37	23	0.45	15	0.29
Peritoneum, Omentum and Mesentery	25	0.24	8	---	17	0.32
Other Digestive Organs	20	0.20	12	0.27	8	---
Respiratory System	8,396	85.00	4,618	100.00	3,778	73.00
Nasal Cavity and Middle Ear	39	0.39	25	0.56	14	0.26
Accessory Sinuses	30	0.29	20	0.39	10	0.19
Larynx	389	3.90	310	6.40	79	1.60
Lung and Bronchus	7,840	80.00	4,189	91.00	3,651	71.00
Pleura	81	0.84	64	1.50	17	0.32
Trachea	7	---	5	---	2	---
Mediastinum and Other Respiratory Organs	10	0.09	5	---	5	---
Bones, Joints and Articular Cartilage	80	0.78	43	0.80	37	0.73
Bones, Joints & Articular Cartilage of Limbs	38	0.37	17	0.31	21	0.42
Bones, Joints & Articular Cartilage of Other & Unspec Sites	42	0.40	26	0.50	16	0.31
Soft Tissue (Including Heart)	242	2.40	143	2.90	99	2.00
Heart	2	---	0	---	2	---
Peripheral Nerves & Autonomic Nervous System	3	---	2	---	1	---
Connective, Subcutaneous & Other Soft Tissues	237	2.40	141	2.90	96	1.90

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten.

Table 6. Nevada Incidence by Type of Cancer and Gender, Nevada, 1999-2003 (Continued)

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**47,808**	**483.00**	**25,192**	**542.00**	**22,612**	**439.00**
Skin (Excluding Basal And Squamous)	1,787	18.00	1,064	22.00	722	14.00
Melanomas Of The Skin	1,787	18.00	1,064	22.00	722	14.00
Other Non-Epithelial Skin	0	---	0	---	0	---
Breast	7,498	74.00	81	1.80	7,417	142.00
Female Genital System	2,439	24.00	0	---	2,439	47.00
Cervix Uteri	516	5.00	0	---	516	9.90
Corpus Uteri	925	9.10	0	---	925	18.00
Uterus, NOS	59	0.63	0	---	59	1.20
Ovary	752	7.50	0	---	752	14.00
Vagina	38	0.39	0	---	38	0.75
Vulva	125	1.30	0	---	125	2.50
Placenta	2	---	0	---	2	---
Other Female Genital Organs	22	0.22	0	---	22	0.42
Male Genital System	7,336	73.00	7,336	156.00	0	---
Prostate	7,030	70.00	7,030	150.00	0	---
Testis	268	2.50	268	4.90	0	---
Penis	25	0.26	25	0.59	0	---
Other Male Genital Organs	13	0.12	13	0.24	0	---
Urinary System	3,761	39.00	2,745	61.00	1,016	20.00
Urinary Bladder	2,444	26.00	1,893	43.00	551	11.00
Kidney	1,152	11.00	748	15.00	404	7.80
Renal Pelvis	75	0.76	43	0.93	32	0.61
Ureter	55	0.55	39	0.83	16	0.31
Other Urinary Organs	35	0.39	22	0.51	13	0.27
Eye and Orbit	58	0.57	36	0.72	22	0.43
Brain and Other Central Nervous System	649	6.50	377	7.70	272	5.30
Brain	598	6.00	350	7.10	248	4.80
Meninges	26	0.26	11	0.21	15	0.30
Spinal Cord, Cranial Nerves, & Other Parts of CNS	25	0.24	16	0.32	9	---
Endocrine System	1,032	9.70	250	4.90	782	15.00
Thyroid Gland	982	9.20	219	4.20	763	14.00
Adrenal Gland	21	0.22	14	0.35	7	---
Other Endocrine (Including Thymus)	29	0.29	17	0.37	12	0.23
Hodgkin's Lymphoma	251	2.40	133	2.50	118	2.30
Non-Hodgkin's Lymphoma	1,679	17.00	960	21.00	719	14.00
Multiple Myeloma	443	4.60	258	5.70	185	3.60
Leukemia	1,131	12.00	664	15.00	466	9.40
Lymphocytic	482	5.00	293	6.50	189	3.80
Acute Lymphocytic	91	0.89	49	0.97	42	0.83
Chronic Lymphocytic	362	3.80	222	5.10	140	2.80
Other Lymphocytic	29	0.29	22	0.45	7	---
Myeloid and Monocytic	533	5.50	305	6.70	227	4.50
Acute Myeloid	374	3.80	217	4.70	156	3.10
Acute Monocytic	18	0.20	8	---	10	0.24
Chronic Myeloid	128	1.40	74	1.70	54	1.10
Other Myeloid/Monocytic	13	0.13	6	---	7	---
Other	116	1.30	66	1.60	50	1.00
Other Acute	53	0.57	32	0.76	21	0.42
Aleukemic, Subleukemic and NOS	63	0.74	34	0.87	29	0.62
Mesothelioma	0	---	0	---	0	---
Kaposi Sarcoma	0	---	0	---	0	---
Other, Ill-Defined and Unspecified Sites	1,680	18.00	932	20.00	747	15.00

* Those of unknown gender are not shown separately, but are included in the total.
** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer, Nevada, 1999-2003

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	**47,808**	**2,107**	**19,093**	**8,569**	**8,780**	**9,259**
Lip, Oral Cavity and Pharynx	1,141	---	360	437	105	239
Lip	47	---	36	5	1	5
Base of Tongue	167	---	29	92	16	30
Other & Unspecified Parts of Tongue	175	---	85	42	9	39
Parotid Gland	90	---	41	25	5	19
Other & Unspecified Major Salivary glands	32	---	10	11	1	10
Floor of Mouth	87	---	34	34	10	9
Gum	29	---	8	11	6	4
Palate	46	---	21	12	4	9
Other & Unspecified Parts of Mouth	64	---	22	16	8	18
Nasopharynx	73	---	8	25	12	28
Tonsil	152	---	35	85	6	26
Oropharynx	49	---	8	18	12	11
Pyriform Sinus	43	---	8	25	5	5
Hypopharynx	37	---	13	16	4	4
Other & Unspecified Oral (Buccal) Cavity & Pharynx	50	---	2	20	6	22
Digestive System	8,205	---	2,124	2,499	1,798	1,784
Esophagus	522	---	98	96	136	192
Stomach	607	---	124	169	158	156
Small Intestine	133	---	34	46	31	22
Colon (excluding Rectum)	3,526	---	1,042	1,329	689	466
Cecum	792	---	224	354	167	47
Appendix	48	---	15	20	9	4
Ascending Colon	475	---	158	218	71	28
Hepatic Flexure	143	---	50	58	27	8
Transverse Colon	255	---	80	117	47	11
Splenic Flexure	100	---	28	53	15	4
Descending Colon	169	---	55	74	29	11
Sigmoid Colon	994	---	372	370	198	54
Large Intestine, NOS	550	---	60	65	126	299
Rectum	898	---	334	278	123	163
Rectosigmoid Junction	476	---	157	196	88	35
Anus, Anal Canal and Anorectum	138	---	68	25	16	29
Liver	483	---	125	36	90	232
Intrahepatic Bile Ducts	64	---	12	13	8	31
Gallbladder	64	---	16	24	19	5
Other & Unspecified Biliary Tract	143	---	24	39	20	60
Pancreas	1,068	---	76	237	391	364
Retroperitoneum	38	---	13	7	8	10
Peritoneum, Omentum and Mesentery	25	---	1	2	12	10
Other Digestive Organs	20	---	0	2	9	9
Respiratory System	8,396	---	1,454	1,631	2,814	2,497
Nasal Cavity and Middle Ear	39	---	19	4	3	13
Accessory Sinuses	30	---	8	10	5	7
Larynx	389	---	164	79	29	117
Lung and Bronchus	7,840	---	1,240	1,515	2,759	2,326
Pleura	81	---	19	19	17	26
Trachea	7	---	1	3	0	3
Mediastinum and Other Respiratory Organs	10	---	3	1	1	5
Bones, Joints and Articular Cartilage	80	---	32	17	13	18
Bones, Joints & Articular Cartilage of Limbs	38	---	22	5	4	7
Bones, Joints & Articular Cartilage of Other & Unspec Sites	42	---	10	12	9	11
Soft Tissue (Including Heart)	242	---	105	22	36	79
Heart	2	---	1	0	0	1
Peripheral Nerves & Autonomic Nervous System	3	---	0	1	1	1
Connective, Subcutaneous & Other Soft Tissues	237	---	104	21	35	77

Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer, Nevada, 1999-2003 (Continued)

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	**47,808**	**2,107**	**19,093**	**8,569**	**8,780**	**9,259**
Skin (Excluding Basal And Squamous)	1,787	---	1,283	141	90	273
Melanomas Of The Skin	1,787	---	1,283	141	90	273
Other Non-Epithelial Skin	0	---	0	0	0	0
Breast	7,498	1,198	3,536	1,848	358	558
Female Genital System	2,439	---	1,179	488	473	299
Cervix Uteri	516	---	273	152	43	48
Corpus Uteri	925	---	662	140	49	74
Uterus, NOS	59	---	11	8	18	22
Ovary	752	---	125	147	351	129
Vagina	38	---	16	11	4	7
Vulva	125	---	86	24	3	12
Placenta	2	---	1	1	0	0
Other Female Genital Organs	22	---	5	5	5	7
Male Genital System	7,336	---	5,680	668	296	692
Prostate	7,030	---	5,480	621	258	671
Testis	268	---	179	42	37	10
Penis	25	---	13	5	1	6
Other Male Genital Organs	13	---	8	0	0	5
Urinary System	3,761	909	1,672	416	309	455
Urinary Bladder	2,444	909	971	231	97	236
Kidney	1,152	---	621	151	203	177
Renal Pelvis	75	---	38	20	5	12
Ureter	55	---	29	9	4	13
Other Urinary Organs	35	---	13	5	0	17
Eye and Orbit	58	---	27	1	1	29
Brain and Other Central Nervous System	649	---	429	21	4	195
Brain	598	---	406	19	4	169
Meninges	26	---	13	2	0	11
Spinal Cord, Cranial Nerves, & Other Parts of CNS	25	---	10	0	0	15
Endocrine System	1,032	---	688	205	43	96
Thyroid Gland	982	---	667	199	36	80
Adrenal Gland	21	---	6	3	7	5
Other Endocrine (Including Thymus)	29	---	15	3	0	11
Hodgkin's Lymphoma	251	---	94	34	53	70
Non-Hodgkin's Lymphoma	1,679	---	425	141	576	537
Multiple Myeloma	443	---	5	0	414	24
Leukemia	1,131	---	0	0	1,098	33
Lymphocytic	482	---	0	0	477	5
Acute Lymphocytic	91	---	0	0	91	0
Chronic Lymphocytic	362	---	0	0	358	4
Other Lymphocytic	29	---	0	0	28	1
Myeloid and Monocytic	533	---	0	0	527	6
Acute Myeloid	374	---	0	0	371	3
Acute Monocytic	18	---	0	0	18	0
Chronic Myeloid	128	---	0	0	127	1
Other Myeloid/Monocytic	13	---	0	0	11	2
Other	116	---	0	0	94	22
Other Acute	53	---	0	0	49	4
Aleukemic, Subleukemic and NOS	63	---	0	0	45	18
Mesothelioma	0	---	0	0	0	0
Kaposi Sarcoma	0	---	0	0	0	0
Other, Ill-Defined and Unspecified Sites	1,680	---	0	0	299	1,381

Table 8. Top Ten Types of Cancer Incidence by County/Region of Residence, Nevada Residents, 1999-2003

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung And Bronchus	Incidence	7,840	5,512	1,407	1,174
		Rate*	79.72	82.73	85.25	73.37
		95% C.I.	(77.9-81.5)	(80.5-85.0)	(80.8-89.9)	(69.2-77.8)
2	Breast	Incidence	7,498	5,104	1,312	1,086
		Rate*	73.84	73.73	82.67	68.33
		95% C.I.	(72.2-75.6)	(71.7-75.8)	(78.2-87.4)	(64.3-72.6)
3	Prostate	Incidence	7,030	4,632	1,154	987
		Rate*	70.20	67.69	73.74	62.31
		95% C.I.	(68.5-71.9)	(65.7-69.7)	(69.5-78.2)	(58.4-66.4)
4	Colorectal	Incidence	5,038	3,472	864	702
		Rate*	52.67	53.48	56.66	45.32
		95% C.I.	(51.2-54.2)	(51.7-55.4)	(52.9-60.7)	(42.0-48.9)
5	Urinary Bladder	Incidence	2,444	1,650	384	410
		Rate*	25.67	25.39	25.47	26.81
		95% C.I.	(24.6-26.7)	(24.1-26.7)	(22.9-28.3)	(24.2-29.6)
6	Skin	Incidence	1,787	1,314	271	234
		Rate*	17.67	19.06	16.76	15.28
		95% C.I.	(16.8-18.5)	(18.0-20.2)	(14.8-18.9)	(13.4-17.4)
7	Non-Hodgkin's Lymphoma	Incidence	1,679	1,174	262	211
		Rate*	17.14	17.70	15.37	13.94
		95% C.I.	(16.3-18.0)	(16.7-18.8)	(13.6-17.4)	(12.1-16.0)
8	Kidney And Renal Pelvis	Incidence	1,227	841	218	168
		Rate*	12.09	12.15	13.32	10.48
		95% C.I.	(11.4-12.8)	(11.3-13.0)	(11.6-15.3)	(8.9-12.3)
9	Lip, Oral Cavity And Pharynx	Incidence	1,141	820	183	168
		Rate*	11.11	12.71	11.05	10.66
		95% C.I.	(10.5-11.8)	(11.8-13.7)	(9.5-12.8)	(9.1-12.5)
10	Leukemia	Incidence	1,131	790	180	158
		Rate*	11.85	11.26	10.04	10.94
		95% C.I.	(11.2-12.6)	(10.5-12.1)	(8.6-11.6)	(9.1-13.8)
---	Total	Incidence	47,808	32,910	8,091	6,805
		Rate*	482.63	487.86	506.64	437.62
		95% C.I.	(478.2-487.1)	(482.5-493.3)	(495.5-518.0)	(427.0-449.0)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 9. Top Ten Types of Cancer Incidence by Age Group, Nevada Residents, 1999-2003

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 77 25.2%	Thyroid Gland 54 14.6%	Thyroid Gland 159 16.6%	Breast 733 28.1%	Breast 1,576 25.9%	Prostate 1,946 17.6%	Prostate 2,851 20.1%	Lung & Bronchus 2,350 19.2%	Lung & Bronchus 7,840 16.4%
2	Brain and OCNS 52 17.0%	HL 37 10.0%	Skin 129 13.5%	Skin 259 9.9%	Lung & Bronchus 619 10.2%	Breast 1,919 17.3%	Lung & Bronchus 2,848 20.1%	Colorectal 1,720 14.1%	Breast 7,498 15.7%
3	KRP 19 6.2%	Skin 36 9.8%	Breast 96 10.0%	Thyroid Gland 224 8.6%	Colorectal 539 8.8%	Lung & Bronchus 1,896 17.1%	Breast 1,837 13.0%	Prostate 1,719 14.1%	Prostate 7,029 14.7%
4	NHL 16 5.2%	Brain and OCNS 27 7.3%	Cervix Uteri 67 7.0%	Colorectal 163 6.3%	Prostate 490 8.0%	Colorectal 1,034 9.3%	Colorectal 1,541 10.9%	Breast 1,328 10.9%	Colorectal 5,038 10.5%
5	Liver and IBD 13 4.2%	Leukemia 26 7.0%	NHL 63 6.6%	Cervix Uteri 134 5.1%	Skin 314 5.2%	Urinary Bladder 458 4.1%	Urinary Bladder 842 5.9%	Urinary Bladder 902 7.4%	Urinary Bladder 2,444 5.1%
6	HL 13 4.2%	NHL 25 6.8%	HL 48 5.0%	NHL 122 4.7%	Thyroid Gland 234 3.8%	NHL 354 3.2%	NHL 417 2.9%	NHL 468 3.8%	Skin 1,787 3.7%
7	Skin 6 2.0%	Breast 8 2.2%	Brain and OCNS 39 4.1%	Lung & Bronchus 113 4.3%	LOCP 218 3.6%	LOCP 353 3.2%	Skin 377 2.7%	Leukemia 360 2.9%	NHL 1,679 3.5%
8	LOCP 5 1.6%	Ovary 8 2.2%	Colorectal 37 3.9%	CU & Uterus NOS 79 3.0%	NHL 214 3.5%	Skin 335 3.0%	KRP 334 2.4%	Pancreas 355 2.9%	KRP 1,227 2.6%
9	Thyroid Gland 4 1.3%	LOCP 6 1.6%	Leukemia 36 3.8%	KRP 74 2.8%	KRP 198 3.2%	KRP 333 3.0%	Pancreas 322 2.3%	Skin 331 2.7%	LOCP 1,141 2.4%
10	Urinary Bladder 2 0.7%	Cervix Uteri 5 1.4%	Ovary 28 2.9%	Brain and OCNS 68 2.6%	CU & Uterus NOS 183 3.0%	CU & Uterus NOS 266 2.4%	LOCP 286 2.0%	KRP 256 2.1%	Leukemia 1,131 2.4%
Sum Percent	207 67.6%	232 62.9%	702 73.2%	1,969 75.6%	4,585 75.3%	8,894 80.3%	11,655 82.2%	9,789 80.1%	36,814 77.0%
Total	306 100.0%	369 100.0%	959 100.0%	2,604 100.0%	6,093 100.0%	11,077 100.0%	14,181 100.0%	12,216 100.0%	47,805 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.
Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 10. Median Age at Time of Diagnosis by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1999-2003

Type of Cancer	Race/Ethnicity					
	White	Black	Native American	Asian	Hispanic	Total
Lung and Bronchus	69.0	67.0	.	66.0	67.0	69.0
Breast	62.0	58.0	60.5	55.0	53.0	61.0
Prostate	68.0	65.0	63.0	67.0	67.0	68.0
Colorectal	70.0	66.0	57.0	65.0	63.0	70.0
Urinary Bladder	71.0	68.0	.	71.0	65.0	71.0
Non-Hodgkin's Lymphoma	66.0	56.5	.	62.0	54.0	66.0
Kidney and Renal Pelvis	64.0	61.0	.	57.0	59.0	64.0
Leukemia	69.0	62.0	.	57.0	32.5	68.0
Lip, Oral Cavity and Pharynx	63.0	58.0	0.0	54.0	50.5	62.0
Pancreas	70.0	66.0	0.0	65.0	64.0	69.0
Skin	59.5	70.5	.	38.0	44.0	59.0
Corpus Uteri & Uterus NOS	63.0	67.0	51.0	55.0	57.0	62.0
Ovary	64.0	67.5	.	56.0	50.0	62.0
Thyroid Gland	47.0	44.0	.	48.0	40.0	46.0
Stomach	71.0	64.0	0.0	63.0	64.0	70.0
Brain and Other Central Nervous System	59.0	50.5	0.0	50.5	36.5	57.0
Cervix Uteri	50.0	48.0	.	50.0	48.0	48.0
Liver and Intrahepatic Bile Ducts	68.0	56.0	0.0	60.0	63.5	65.0
Esophagus	67.0	64.5	0.0	60.0	64.5	67.0
Larynx	66.0	59.5	.	.	59.0	66.0
Multiple Myeloma	69.0	68.0	.	69.0	63.0	68.0
Hodgkin's Lymphoma	42.0	35.5	.	29.0	20.0	40.0
All Other Sites	67.0	58.0	56.0	61.5	45.0	66.0
Total	**67.0**	**63.0**	**60.0**	**61.0**	**58.0**	**66.0**

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for inpatient discharges in Nevada from 1999 to 2003. This type of cancer accounted for 14.2% of all resident cancer inpatient hospital discharges during this period. The second leading type of cancer was Colorectal Cancer, which accounted for 12.7% of all cancer inpatient discharges during this period.

- The two leading types of cancer for inpatient hospital discharges, Lung and Bronchus and Colorectal Cancer accounted for 387.3 million dollars in total billed amounts in Nevada from 1999 to 2003. This accounted for 29.7% of the total 1.3 billion dollars in billed amounts for cancer inpatient hospital discharges during this period.

- The five types of cancer that had the highest average total billed amount for Nevada from 1999 to 2003 were: Leukemia ($79,673), Stomach ($64,506), Ovary ($58,986), Larynx ($53,124), and Esophageal ($52,040) Cancer.

- The five types of cancer that had the highest median total billed amount for Nevada from 1999 to 2003 were: Stomach ($41,956), Ovary ($37,768), Larynx ($37,195), Leukemia ($35,624), and Brain and Other Central Nervous System ($33,685) Cancer.

- The five types of cancer that had the highest average length of stay (days) for cancer inpatient hospital discharges for Nevada from 1999 to 2003 were: Leukemia (13.7), Stomach (11.4), Larynx (10.5), Multiple Myeloma (9.8), and Pancreatic (9.5) Cancer.

- The five types of cancer that had the highest average daily billed amount for Nevada from 1999 to 2003 were: Breast ($7,183), Prostate ($7,021), Thyroid Gland ($6,939), Corpus Uteri & Uterus NOS ($6,909), and Ovary ($6,784) Cancer.

Figure 9. Top Ten Leading Cancers in Total Inpatient Discharge Charges (000s), Nevada Residents, 1999-2003

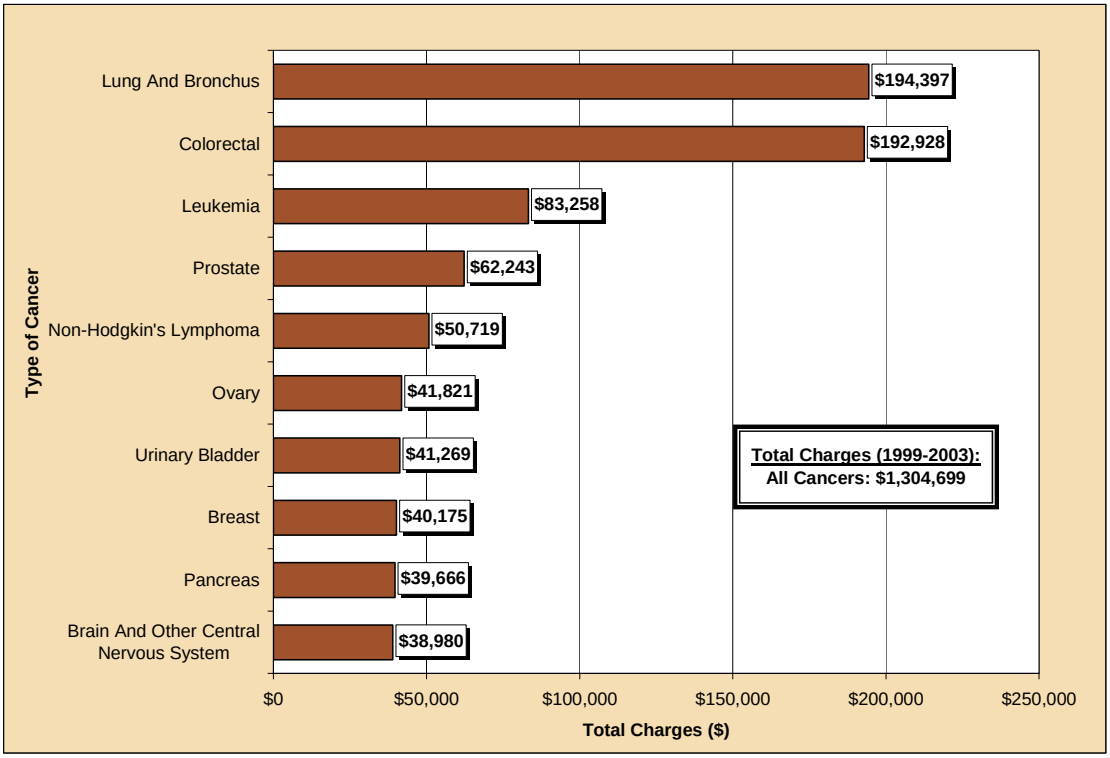


Figure 10. Top Ten Leading Cancers in Average Inpatient Discharge Charges, Nevada Residents, 1999-2003

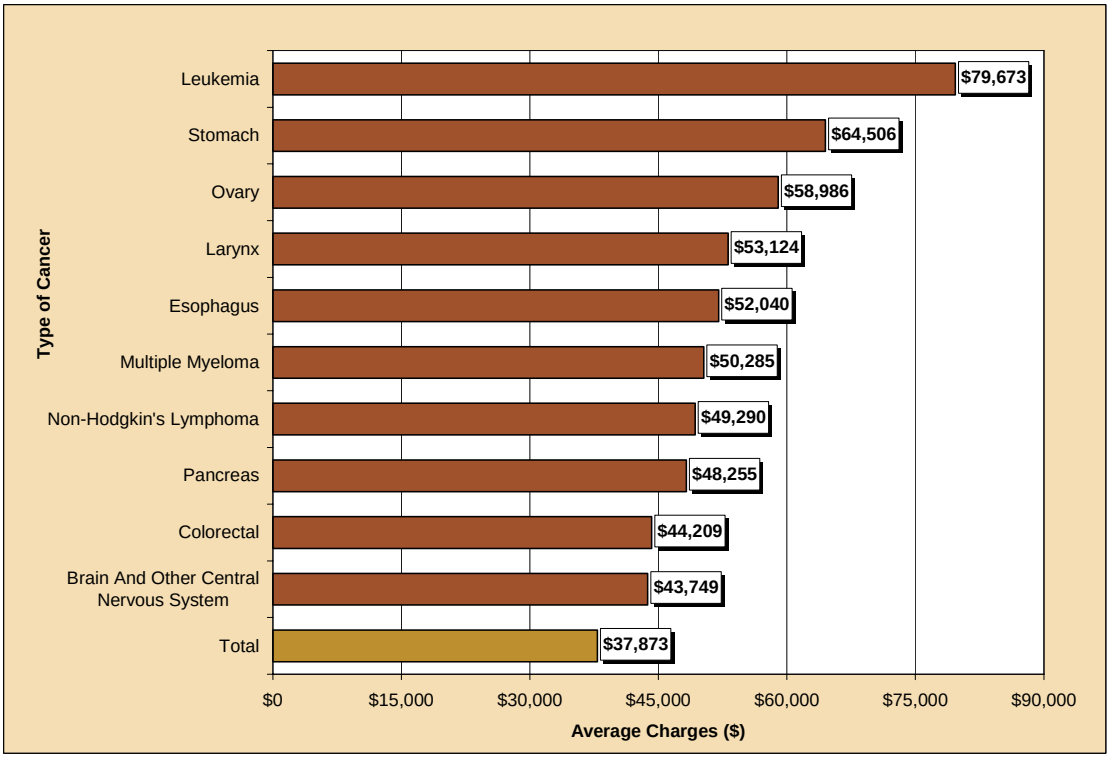


Figure 11. Top Ten Leading Cancers in Median Inpatient Discharge Charges, Nevada Residents, 1999-2003

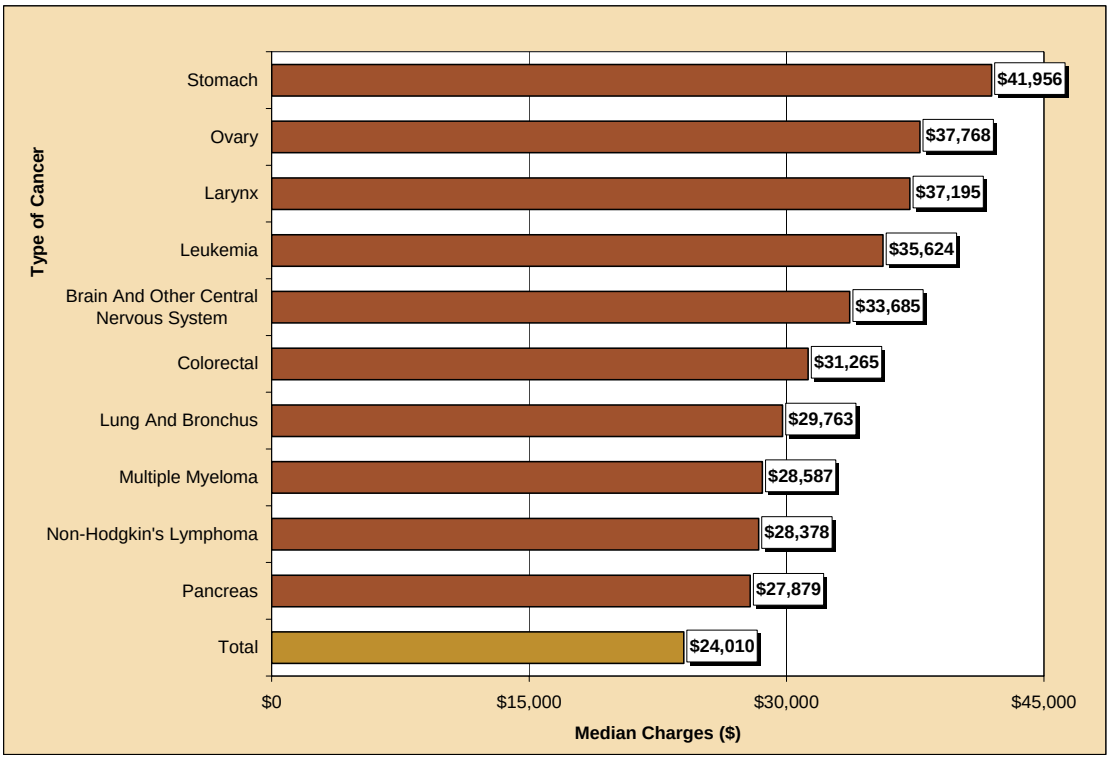


Figure 12. Top Ten Leading Cancers in Total Number of Days Stayed for Inpatient Hospital Discharges, Nevada Residents, 1999-2003

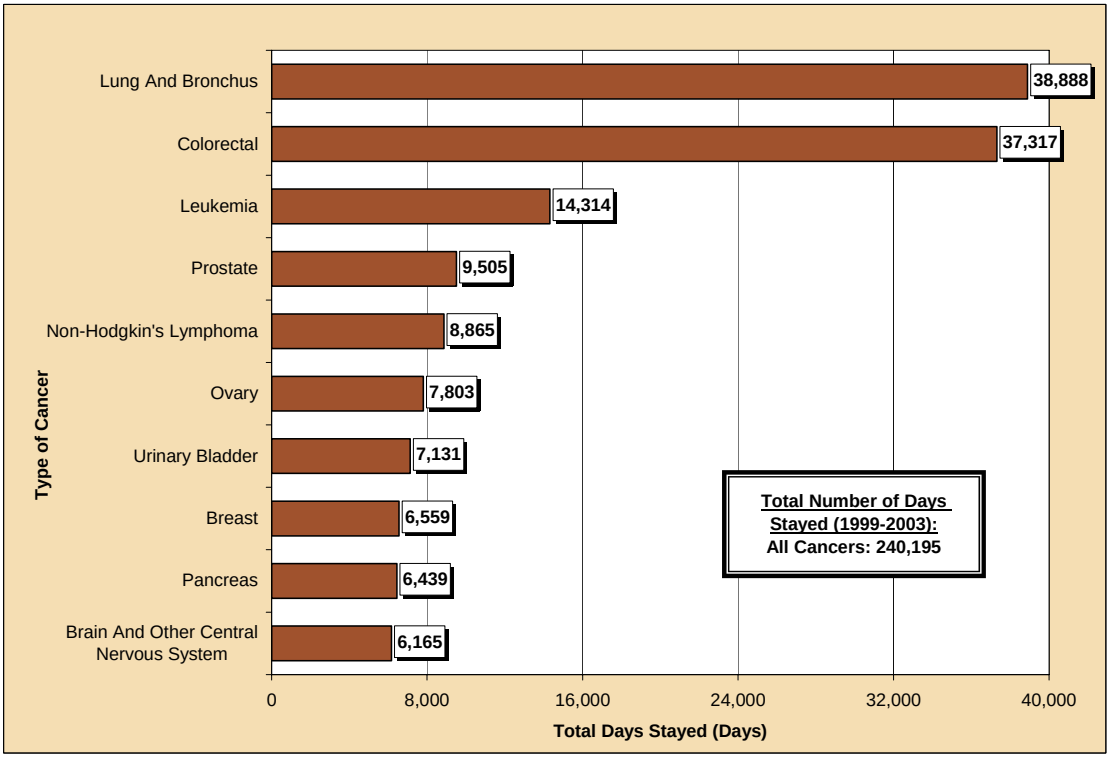


Figure 13. Top Ten Leading Cancers in Average Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1999-2003

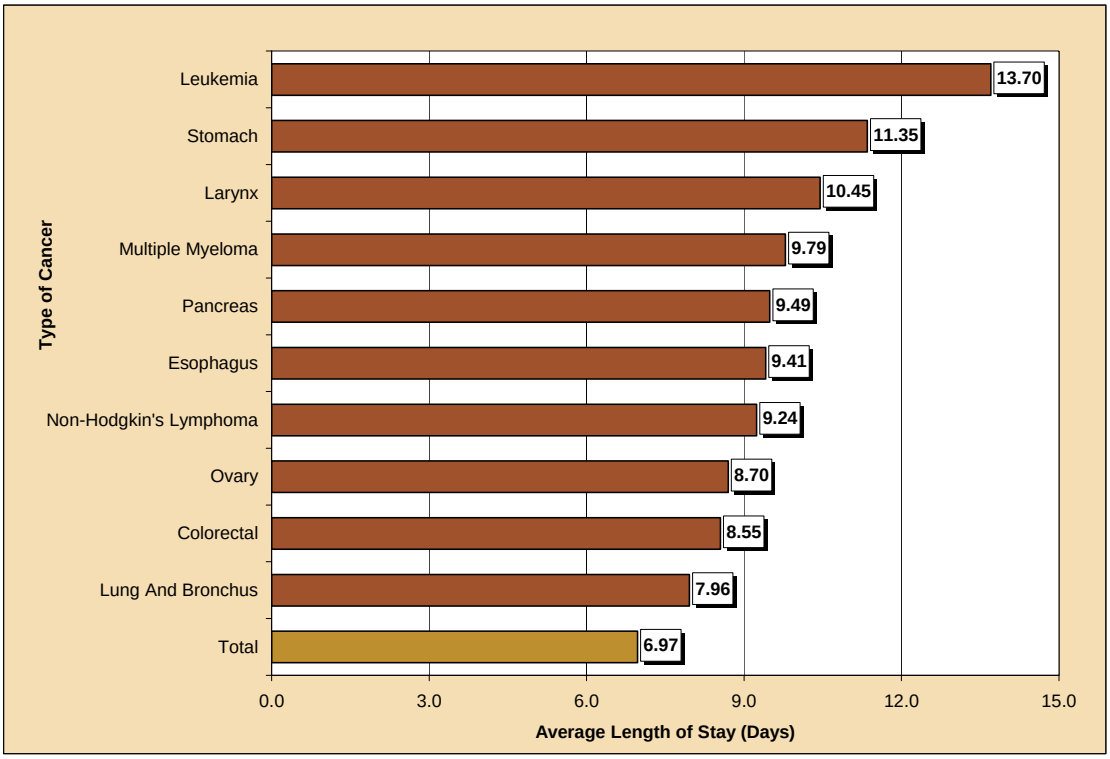


Figure 14. Top Ten Leading Cancers in Median Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1999-2003

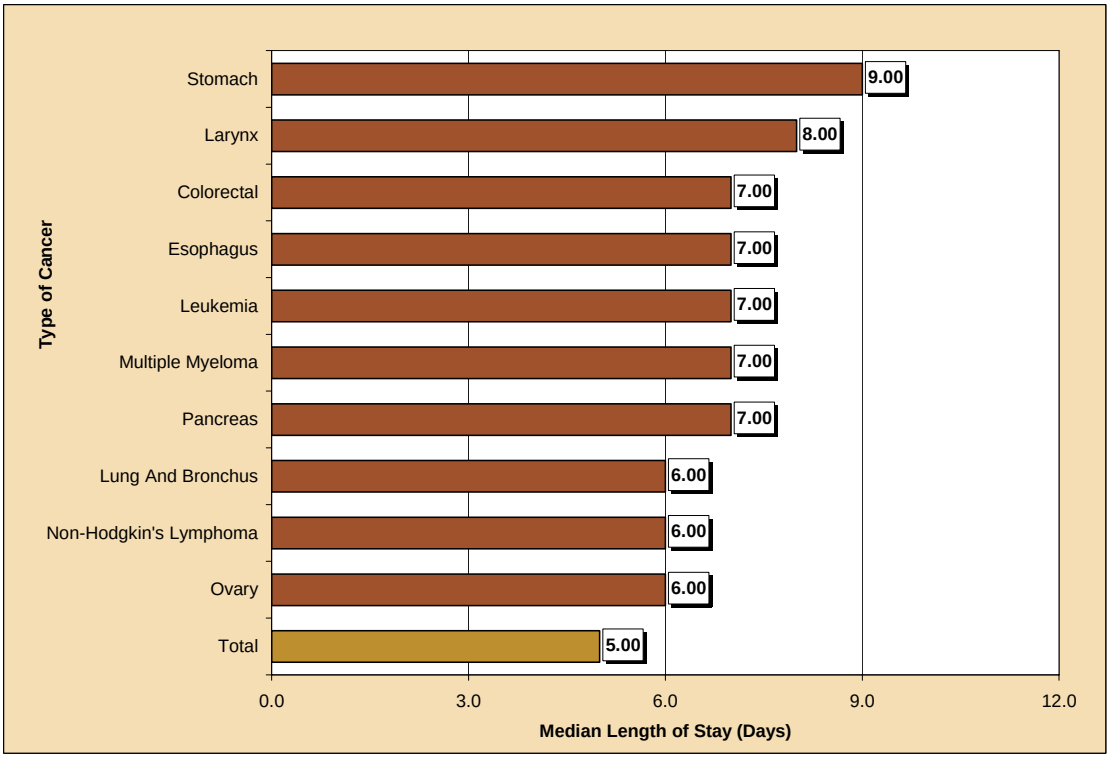


Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1999-2003

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**34,449**	**343.00**	**16,736**	**351.00**	**17,712**	**342.00**
Lip, Oral Cavity and Pharynx	530	5.10	368	7.20	162	3.10
Lip	7	---	6	---	1	---
Base of Tongue	83	0.78	62	1.20	21	0.40
Other & Unspecified Parts of Tongue	100	0.96	67	1.30	33	0.64
Parotid Gland	47	0.47	29	0.64	18	0.35
Other & Unspecified Major Salivary glands	13	0.13	8	---	5	---
Floor of Mouth	51	0.47	35	0.64	16	0.30
Gum	29	0.29	16	0.32	13	0.26
Palate	13	0.12	7	---	6	---
Other & Unspecified Parts of Mouth	24	0.23	17	0.32	7	---
Nasopharynx	23	0.22	17	0.32	6	---
Tonsil	46	0.43	38	0.69	8	---
Oropharynx	30	0.27	24	0.44	6	---
Pyriform Sinus	15	0.15	8	---	7	---
Hypopharynx	25	0.24	15	0.28	10	0.20
Other & Unspecified Oral (Buccal) Cavity & Pharynx	24	0.24	19	0.40	5	---
Digestive System	6,879	71.00	3,815	82.00	3,064	61.00
Esophagus	302	3.00	232	4.80	70	1.40
Stomach	578	5.90	395	8.20	183	3.70
Small Intestine	162	1.60	90	1.90	72	1.40
Colon (excluding Rectum)	2,926	31.00	1,463	33.00	1,463	29.00
Cecum	618	6.70	288	6.60	330	6.80
Appendix	37	0.35	17	0.33	20	0.37
Ascending Colon	548	5.90	264	6.00	284	5.70
Hepatic Flexure	124	1.40	65	1.50	59	1.20
Transverse Colon	247	2.70	114	2.50	133	2.70
Splenic Flexure	118	1.20	55	1.20	63	1.20
Descending Colon	143	1.50	86	2.00	57	1.10
Sigmoid Colon	792	8.20	431	9.50	361	7.10
Large Intestine, NOS	299	3.10	143	3.10	156	3.10
Rectum	700	7.10	420	9.00	280	5.50
Rectosigmoid Junction	605	6.10	349	7.30	256	5.00
Anus, Anal Canal and Anorectum	133	1.30	68	1.40	65	1.30
Liver	323	3.20	225	4.40	98	2.00
Intrahepatic Bile Ducts	45	0.48	20	0.46	25	0.50
Gallbladder	34	0.36	10	0.24	24	0.48
Other & Unspecified Biliary Tract	143	1.50	76	1.80	67	1.30
Pancreas	822	8.40	429	9.20	393	7.70
Retroperitoneum	48	0.47	28	0.59	20	0.38
Peritoneum, Omentum and Mesentery	51	0.51	6	---	45	0.87
Other Digestive Organs	7	---	4	---	3	---
Respiratory System	5,220	52.00	2,754	58.00	2,466	47.00
Nasal Cavity and Middle Ear	12	0.13	7	---	5	---
Accessory Sinuses	17	0.17	12	0.22	5	---
Larynx	182	1.80	141	2.90	41	0.81
Lung and Bronchus	4,883	49.00	2,517	53.00	2,366	45.00
Pleura	58	0.60	45	1.00	13	0.25
Trachea	16	0.15	8	---	8	---
Mediastinum and Other Respiratory Organs	52	0.50	24	0.49	28	0.52
Bones, Joints and Articular Cartilage	122	1.20	61	1.20	61	1.20
Bones, Joints & Articular Cartilage of Limbs	53	0.50	21	0.38	32	0.62
Bones, Joints & Articular Cartilage of Other & Unspec Sites	69	0.69	40	0.82	29	0.56
Soft Tissue (Including Heart)	162	1.70	78	1.70	84	1.60
Heart	1	---	0	---	1	---
Peripheral Nerves & Autonomic Nervous System	0	---	0	---	0	---
Connective, Subcutaneous & Other Soft Tissues	161	1.60	78	1.70	83	1.60

* Those of unknown gender are not shown separately, but are included in the total.
** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1999-2003 (Continued)

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**34,449**	**343.00**	**16,736**	**351.00**	**17,712**	**342.00**
Skin (Excluding Basal And Squamous)	225	2.30	152	3.30	73	1.40
Melanomas Of The Skin	93	0.91	61	1.20	32	0.63
Other Non-Epithelial Skin	132	1.40	91	2.10	41	0.82
Breast	2,426	24.00	22	0.52	2,404	46.00
Female Genital System	2,440	24.00	0	---	2,440	47.00
Cervix Uteri	624	5.90	0	---	624	12.00
Corpus Uteri	869	8.50	0	---	869	17.00
Uterus, NOS	27	0.27	0	---	27	0.53
Ovary	709	6.90	0	---	709	14.00
Vagina	44	0.45	0	---	44	0.85
Vulva	124	1.40	0	---	124	2.50
Placenta	0	---	0	---	0	---
Other Female Genital Organs	43	0.41	0	---	43	0.81
Male Genital System	2,725	26.00	2,725	54.00	0	---
Prostate	2,651	25.00	2,651	53.00	0	---
Testis	57	0.53	57	1.00	0	---
Penis	13	0.14	13	0.32	0	---
Other Male Genital Organs	4	---	4	---	0	---
Urinary System	2,132	22.00	1,522	33.00	610	12.00
Urinary Bladder	1,067	11.00	829	19.00	238	4.80
Kidney	897	8.70	588	12.00	309	5.90
Renal Pelvis	88	0.90	57	1.30	31	0.59
Ureter	63	0.63	40	0.84	23	0.44
Other Urinary Organs	17	0.16	8	---	9	---
Eye and Orbit	5	---	3	---	2	---
Brain and Other Central Nervous System	891	8.70	491	9.60	400	7.70
Brain	829	8.10	466	9.20	363	7.00
Meninges	40	0.40	14	0.29	26	0.50
Spinal Cord, Cranial Nerves, & Other Parts of CNS	22	0.21	11	0.20	11	0.22
Endocrine System	1,442	14.00	315	6.10	1,127	21.00
Thyroid Gland	1,401	13.00	295	5.60	1,106	21.00
Adrenal Gland	17	0.16	9	---	8	---
Other Endocrine (Including Thymus)	24	0.24	11	0.29	13	0.24
Hodgkin's Lymphoma	107	1.00	59	1.10	48	0.90
Non-Hodgkin's Lymphoma	1,029	10.00	555	12.00	474	9.30
Multiple Myeloma	346	3.50	200	4.30	146	2.80
Leukemia	1,045	10.00	605	12.00	439	8.60
Lymphocytic	440	4.40	263	5.30	176	3.50
Acute Lymphocytic	288	2.70	177	3.30	110	2.10
Chronic Lymphocytic	149	1.60	83	1.90	66	1.30
Other Lymphocytic	3	---	3	---	0	---
Myeloid and Monocytic	547	5.50	312	6.60	235	4.60
Acute Myeloid	436	4.30	239	5.00	197	3.80
Acute Monocytic	8	---	3	---	5	---
Chronic Myeloid	96	1.00	67	1.50	29	0.59
Other Myeloid/Monocytic	7	---	3	---	4	---
Other	58	0.59	30	0.66	28	0.55
Other Acute	41	0.41	21	0.48	20	0.38
Aleukemic, Subleukemic and NOS	17	0.18	9	---	8	---
Mesothelioma	2	---	1	---	1	---
Kaposi Sarcoma	0	---	0	---	0	---
Other, Ill-Defined and Unspecified Sites	6,721	66.00	3,010	63.00	3,711	71.00

* Those of unknown gender are not shown separately, but are included in the total.
** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 12. Top Ten Types of Cancer Inpatient Hospital Discharges by County/Region of Residence, Nevada Residents, 1999-2003

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung And Bronchus	Admissions	4,883	3,552	722	634
		Rate*	48.52	51.85	47.68	39.28
		95% C.I.	(47.2-49.9)	(50.1-53.6)	(44.2-51.4)	(36.3-42.5)
2	Colorectal	Admissions	4,364	3,046	695	596
		Rate*	45.55	46.71	43.69	38.22
		95% C.I.	(44.2-47.0)	(45.0-48.5)	(40.5-47.1)	(35.2-41.5)
3	Prostate	Admissions	2,651	1,754	486	411
		Rate*	25.30	24.70	28.69	24.59
		95% C.I.	(24.3-26.3)	(23.5-25.9)	(26.2-31.4)	(22.2-27.1)
4	Breast	Admissions	2,426	1,720	415	291
		Rate*	24.00	24.88	25.38	18.53
		95% C.I.	(23.0-25.0)	(23.7-26.1)	(23.0-28.0)	(16.4-20.9)
5	Thyroid Gland	Admissions	1,401	1,148	180	145
		Rate*	13.14	15.59	11.34	9.03
		95% C.I.	(12.5-13.9)	(14.7-16.5)	(9.7-13.2)	(7.6-10.7)
6	Urinary Bladder	Admissions	1,067	780	163	139
		Rate*	11.35	12.31	9.12	8.80
		95% C.I.	(10.7-12.1)	(11.4-13.2)	(7.8-10.7)	(7.4-10.5)
7	Leukemia	Admissions	1,045	772	152	138
		Rate*	10.47	11.17	9.17	9.32
		95% C.I.	(9.8-11.1)	(10.4-12.0)	(7.8-10.8)	(7.8-11.1)
8	Non-Hodgkin's Lymphoma	Admissions	1,029	724	148	135
		Rate*	10.43	10.66	9.49	8.62
		95% C.I.	(9.8-11.1)	(9.9-11.5)	(8.0-11.2)	(7.2-10.3)
9	Kidney And Renal Pelvis	Admissions	985	688	148	125
		Rate*	9.60	9.86	8.94	8.31
		95% C.I.	(9.0-10.2)	(9.1-10.7)	(7.5-10.6)	(6.9-10.0)
10	Corpus Uteri & Uterus Nos	Admissions	896	636	147	113
		Rate*	8.76	9.06	8.91	7.23
		95% C.I.	(8.2-9.4)	(8.4-9.8)	(7.5-10.5)	(5.9-8.7)
---	Total	Admissions	34,449	24,559	5,509	4,372
		Rate*	343.00	357.77	342.55	277.21
		95% C.I.	(339.3-346.7)	(353.2-362.4)	(333.4-351.9)	(268.9-286.2)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Note: The "---" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 13. Top Ten Types of Cancer Hospital Discharges by Age Group, Nevada Residents, 1999-2003

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 202 46.2%	Thyroid Gland 69 18.9%	Thyroid Gland 231 26.8%	Thyroid Gland 352 16.3%	Breast 513 10.5%	Lung & Bronchus 1,316 15.5%	Lung & Bronchus 1,717 18.0%	Colorectal 1,472 19.1%	Lung & Bronchus 4,883 14.2%
2	Brain and OCNS 65 14.9%	Leukemia 56 15.3%	Leukemia 74 8.6%	Breast 263 12.2%	Colorectal 466 9.6%	Prostate 1,044 12.3%	Colorectal 1,359 14.2%	Lung & Bronchus 1,277 16.6%	Colorectal 4,364 12.7%
3	Liver and IBD 23 5.3%	Brain and OCNS 35 9.6%	Cervix Uteri 56 6.5%	Cervix Uteri 181 8.4%	Lung & Bronchus 459 9.4%	Colorectal 899 10.6%	Prostate 939 9.8%	Urinary Bladder 464 6.0%	Prostate 2,651 7.7%
4	NHL 21 4.8%	NHL 29 7.9%	Brain and OCNS 52 6.0%	Colorectal 133 6.2%	Thyroid Gland 333 6.8%	Breast 587 6.9%	Breast 569 6.0%	Breast 446 5.8%	Breast 2,426 7.0%
5	KRP 13 3.0%	HL 18 4.9%	NHL 51 5.9%	Brain and OCNS 108 5.0%	Prostate 313 6.4%	KRP 270 3.2%	Urinary Bladder 324 3.4%	Prostate 341 4.4%	Thyroid Gland 1,401 4.1%
6	HL 11 2.5%	Stomach 8 2.2%	Breast 43 5.0%	Lung & Bronchus 99 4.6%	KRP 166 3.4%	CU & Uterus NOS 245 2.9%	KRP 279 2.9%	NHL 263 3.4%	Urinary Bladder 1,067 3.1%
7	Thyroid Gland 10 2.3%	Cervix Uteri 8 2.2%	Ovary 35 4.1%	CU & Uterus NOS 76 3.5%	Brain and OCNS 162 3.3%	Thyroid Gland 234 2.8%	Pancreas 262 2.7%	Pancreas 241 3.1%	Leukemia 1,045 3.0%
8	LOCP 4 0.9%	Lung & Bronchus 7 1.9%	Colorectal 29 3.4%	NHL 70 3.2%	CU & Uterus NOS 156 3.2%	Pancreas 194 2.3%	NHL 257 2.7%	Leukemia 208 2.7%	NHL 1,029 3.0%
9	Breast 2 0.5%	Ovary 7 1.9%	HL 17 2.0%	KRP 64 3.0%	Cervix Uteri 151 3.1%	Urinary Bladder 194 2.3%	CU & Uterus NOS 235 2.5%	KRP 183 2.4%	KRP 985 2.9%
10	Colorectal 1 0.2%	Colorectal 5 1.4%	CU & Uterus NOS 15 1.7%	Ovary 63 2.9%	Ovary 148 3.0%	NHL 193 2.3%	Leukemia 187 2.0%	CU & Uterus NOS 168 2.2%	CU & Uterus NOS 896 2.6%
Sum Percent	352 80.5%	242 66.3%	603 70.0%	1,409 65.2%	2,867 58.8%	5,176 61.0%	6,128 64.1%	5,063 65.6%	20,747 60.2%
Total	437 100.0%	365 100.0%	862 100.0%	2,161 100.0%	4,872 100.0%	8,480 100.0%	9,556 100.0%	7,716 100.0%	34,449 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.
Note: Those cases with unknown ages are not shown separately, but are included in the total.

MORTALITY

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for cancer mortality in Nevada from 1999 to 2003. This type of cancer accounted for 31.3% of all resident cancer deaths during this period. The second leading type of cancer for mortality was Colorectal Cancer, which accounted for 10.4% of all Cancer deaths.

- Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer mortality rates for Whites with a comparison ratio of 1.06. This means that for every 100 White cancer deaths Blacks would be expected to have 106 deaths. Native Americans, Asians and Hispanics had comparison ratios of 0.57, 0.55 and 0.51, respectively, for Nevada from 1999 to 2003.

- Multiple Myeloma Cancer had the highest age-adjusted mortality rate comparison ratio for Blacks when compared to Whites in Nevada from 1999 to 2003 with a ratio of 1.88. This means that for every 100 White deaths, Blacks would be expected to have 188 deaths from Multiple Myeloma Cancer. The type with the highest comparison ratio for Native Americans when compared to whites was Colorectal with a ratio of .50 and for Hispanics the type was Stomach with a ratio of 1.40. Liver and Intrahepatic Bile Duct Cancer had the highest comparison ratio for Asians when compared to Whites with a ratio of 1.92.

- Cervix Uteri Cancer had the lowest median age at time of death for Nevada residents from 1999 to 2003 at 55 years. Prostate Cancer had the highest median age at time of death for Nevada residents during this same period at 78 years.

- Hodgkin's Lymphoma had the lowest median age at time of death for male Nevada residents from 1999 to 2003 at 56.5 years, while the highest median age was for males in Nevada was for Prostate Cancer at 78 years.

- Cervix Uteri Cancer had the lowest median age at time of death for Female Nevada Residents during this same period at 55 years, while the highest median age for females in Nevada was Urinary Bladder Cancer at 76 years.

Figure 15. Top Ten Leading Cancers by Percentage of Total Cancer Mortality, Nevada Residents, 1999-2003

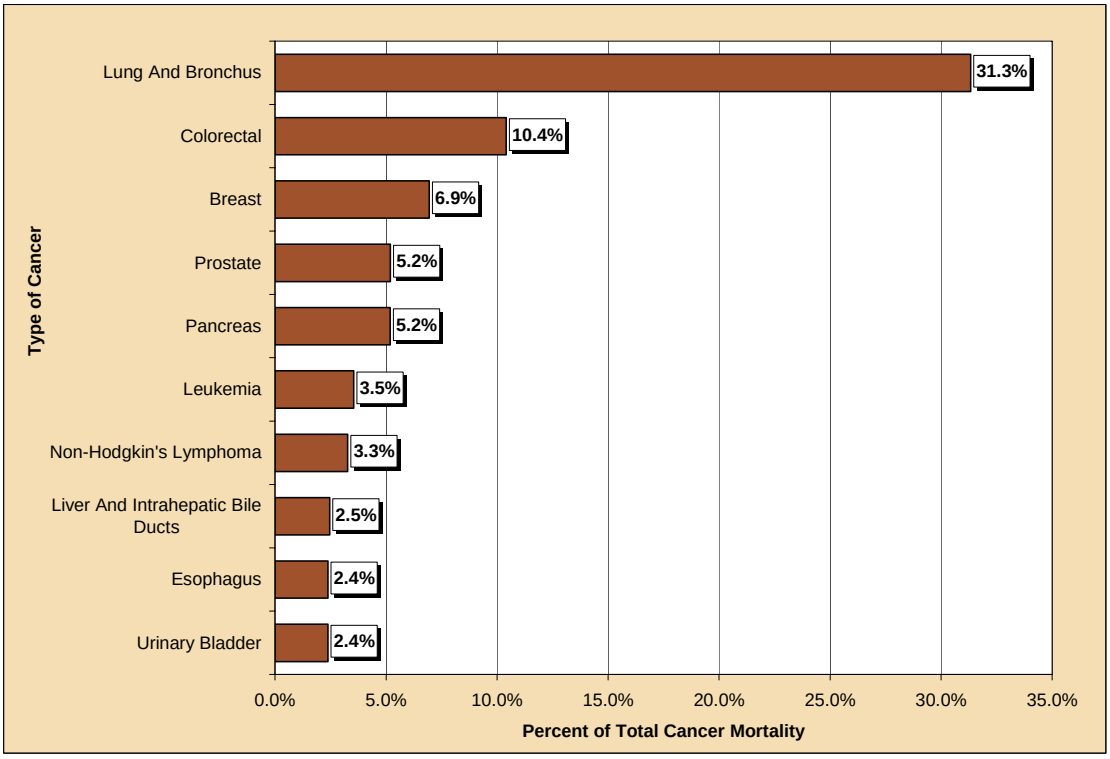


Figure 16. Comparison of Age-Adjusted (2000) Mortality Rates of Blacks compared to Whites, Nevada Residents, 1999-2003

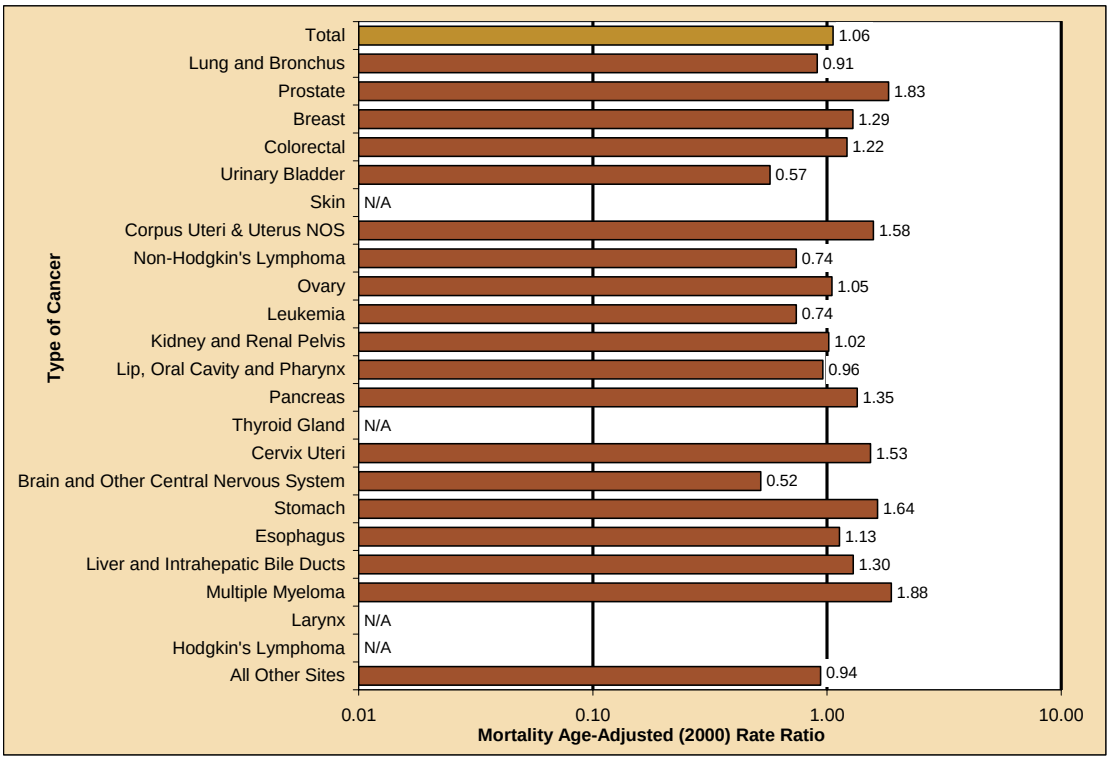
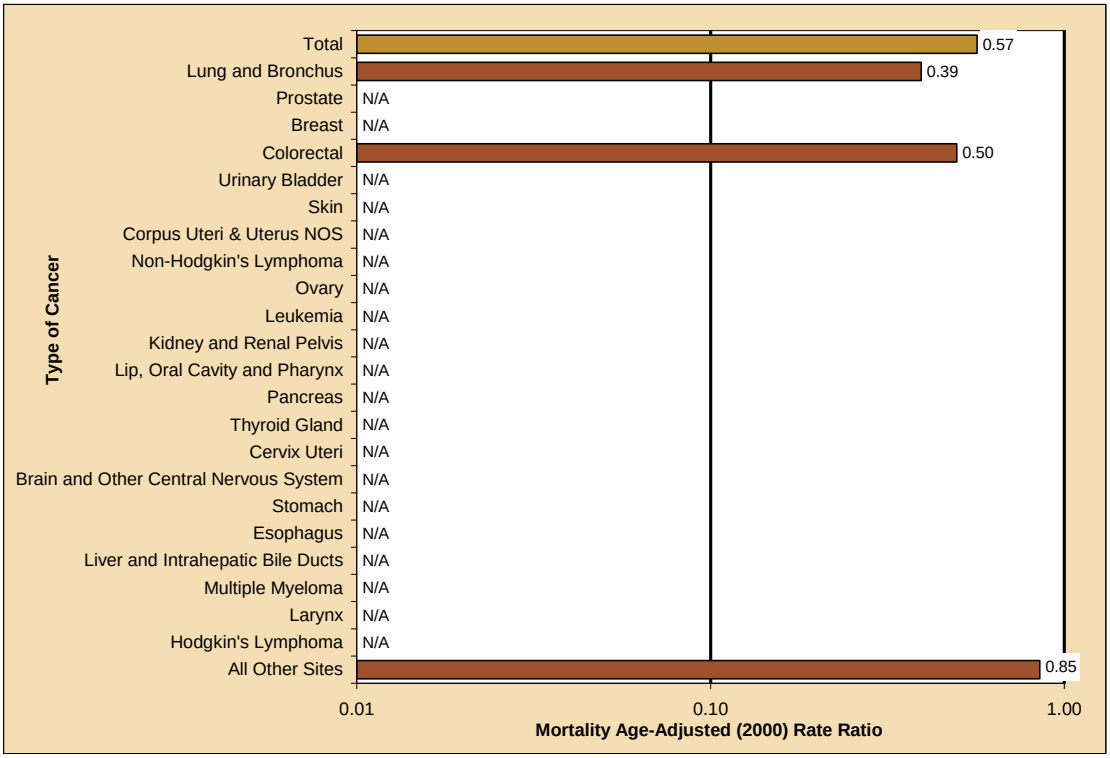
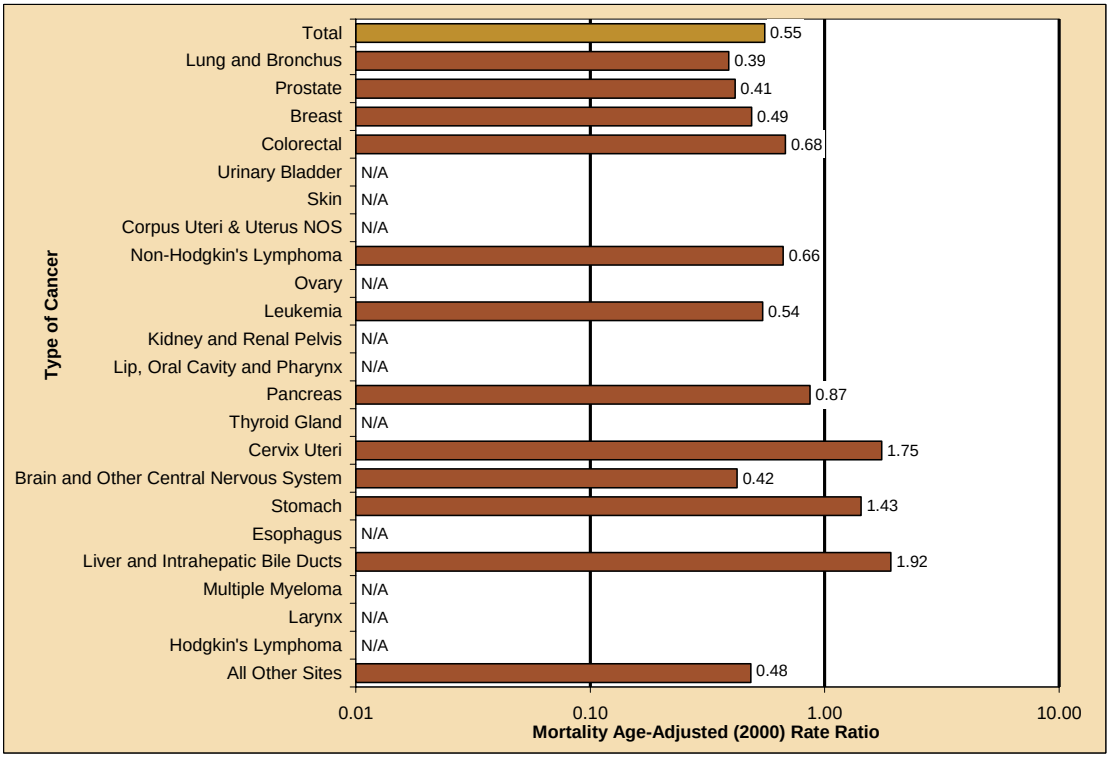


Figure 17. Comparison of Age-Adjusted (2000) Mortality Rates of Native Americans compared to Whites, Nevada Residents, 1999-2003



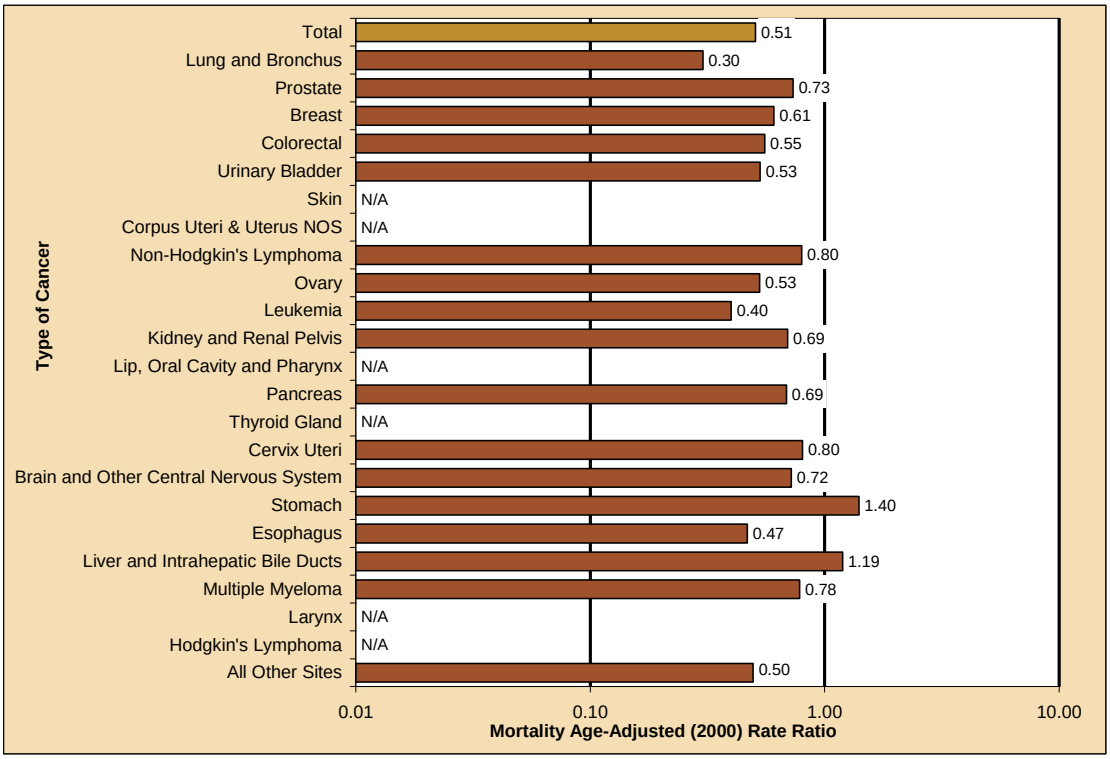
Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 18. Comparison of Age-Adjusted (2000) Mortality Rates of Asians compared to Whites, Nevada Residents, 1999-2003



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 19. Comparison of Age-Adjusted (2000) Mortality Rates of Hispanics compared to Whites, Nevada Residents, 1999-2003



Note: "N/A" indicates that a comparison ratio could not be calculated.

Table 14. Nevada Mortality by Type of Cancer and Gender, Nevada, 1999-2003

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**18,821**	**200.00**	**10,227**	**238.00**	**8,594**	**171.00**
Lip, Oral Cavity and Pharynx	277	2.90	190	4.10	87	1.80
Lip	1	---	0	---	1	---
Base of Tongue	5	---	5	---	0	---
Other & Unspecified Parts of Tongue	76	0.73	56	1.10	20	0.39
Parotid Gland	13	0.13	8	---	5	---
Other & Unspecified Major Salivary glands	3	---	3	---	0	---
Floor of Mouth	6	---	5	---	1	---
Gum	3	---	1	---	2	---
Palate	4	---	2	---	2	---
Other & Unspecified Parts of Mouth	26	0.28	14	0.31	12	0.25
Nasopharynx	23	0.22	14	0.26	9	---
Tonsil	17	0.17	10	0.22	7	---
Oropharynx	17	0.18	13	0.27	4	---
Pyriform Sinus	1	---	1	---	0	---
Hypopharynx	5	---	5	---	0	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	77	0.81	53	1.20	24	0.48
Digestive System	4,373	47.00	2,603	60.00	1,770	36.00
Esophagus	449	4.50	362	7.60	87	1.70
Stomach	351	3.80	224	5.10	127	2.60
Small Intestine	31	0.34	15	0.36	16	0.32
Colon (excluding Rectum)	1,661	18.00	932	22.00	729	15.00
Cecum	7	---	5	---	2	---
Appendix	4	---	3	---	1	---
Ascending Colon	3	---	3	---	0	---
Hepatic Flexure	0	---	0	---	0	---
Transverse Colon	1	---	0	---	1	---
Splenic Flexure	0	---	0	---	0	---
Descending Colon	0	---	0	---	0	---
Sigmoid Colon	9	---	6	---	3	---
Large Intestine, NOS	1,637	18.00	915	22.00	722	15.00
Rectum	206	2.20	127	3.00	79	1.60
Rectosigmoid Junction	75	0.81	43	0.94	32	0.67
Anus, Anal Canal and Anorectum	18	0.18	10	0.21	8	---
Liver	388	4.00	267	5.70	121	2.50
Intrahepatic Bile Ducts	75	0.77	48	1.10	27	0.53
Gallbladder	40	0.45	14	0.40	26	0.52
Other & Unspecified Biliary Tract	50	0.56	27	0.67	23	0.47
Pancreas	977	10.00	509	11.00	468	9.30
Retroperitoneum	6	---	4	---	2	---
Peritoneum, Omentum and Mesentery	13	0.14	4	---	9	---
Other Digestive Organs	33	0.35	17	0.36	16	0.32
Respiratory System	6,032	62.00	3,354	75.00	2,678	52.00
Nasal Cavity and Middle Ear	0	---	0	---	0	---
Accessory Sinuses	13	0.12	9	---	4	---
Larynx	112	1.20	82	1.80	30	0.60
Lung and Bronchus	5,895	61.00	3,254	72.00	2,641	52.00
Pleura	3	---	2	---	1	---
Trachea	2	---	2	---	0	---
Mediastinum and Other Respiratory Organs	7	---	5	---	2	---
Bones, Joints and Articular Cartilage	46	0.49	27	0.61	19	0.39
Bones, Joints & Articular Cartilage of Limbs	1	---	0	---	1	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	45	0.48	27	0.61	18	0.36
Soft Tissue (Including Heart)	106	1.10	63	1.30	43	0.86
Heart	3	---	2	---	1	---
Peripheral Nerves & Autonomic Nervous System	3	---	2	---	1	---
Connective, Subcutaneous & Other Soft Tissues	100	1.00	59	1.20	41	0.82

* Those of unknown gender are not shown separately, but are included in the total.
**Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 14. Nevada Mortality by Type of Cancer and Gender, Nevada, 1999-2003 (Continued)

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	**18,821**	**200.00**	**10,227**	**238.00**	**8,594**	**171.00**
Skin (Excluding Basal And Squamous)	369	3.80	258	5.50	111	2.20
Melanomas Of The Skin	289	2.90	194	4.10	95	1.90
Other Non-Epithelial Skin	80	0.85	64	1.40	16	0.34
Breast	1,306	14.00	14	0.30	1,292	25.00
Female Genital System	753	7.90	0	---	753	15.00
Cervix Uteri	139	1.40	0	---	139	2.70
Corpus Uteri	56	0.62	0	---	56	1.10
Uterus, NOS	93	1.00	0	---	93	1.90
Ovary	426	4.40	0	---	426	8.40
Vagina	10	0.10	0	---	10	0.20
Vulva	14	0.16	0	---	14	0.29
Placenta	1	---	0	---	1	---
Other Female Genital Organs	14	0.16	0	---	14	0.29
Male Genital System	997	12.00	997	29.00	0	---
Prostate	979	12.00	979	28.00	0	---
Testis	13	0.13	13	0.27	0	---
Penis	4	---	4	---	0	---
Other Male Genital Organs	1	---	1	---	0	---
Urinary System	850	9.30	605	15.00	245	5.00
Urinary Bladder	449	5.10	331	8.80	118	2.50
Kidney	372	3.80	255	5.50	117	2.30
Renal Pelvis	5	---	2	---	3	---
Ureter	9	---	4	---	5	---
Other Urinary Organs	15	0.16	13	0.32	2	---
Eye and Orbit	8	---	7	---	1	---
Brain and Other Central Nervous System	402	4.10	231	4.80	171	3.40
Brain	398	4.00	229	4.80	169	3.30
Meninges	0	---	0	---	0	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	4	---	2	---	2	---
Endocrine System	56	0.59	30	0.71	26	0.51
Thyroid Gland	32	0.34	18	0.42	14	0.28
Adrenal Gland	13	0.14	6	---	7	---
Other Endocrine (Including Thymus)	11	0.11	6	---	5	---
Hodgkin's Lymphoma	33	0.33	18	0.34	15	0.30
Non-Hodgkin's Lymphoma	617	6.70	344	8.40	273	5.50
Multiple Myeloma	313	3.30	180	4.20	133	2.70
Leukemia	667	7.30	391	9.20	276	5.70
Lymphocytic	173	2.00	103	2.50	70	1.50
Acute Lymphocytic	37	0.38	24	0.54	13	0.25
Chronic Lymphocytic	129	1.50	74	1.90	55	1.20
Other Lymphocytic	7	---	5	---	2	---
Myeloid and Monocytic	276	2.90	157	3.50	119	2.40
Acute Myeloid	211	2.20	118	2.60	93	1.90
Acute Monocytic	1	---	0	---	1	---
Chronic Myeloid	46	0.50	24	0.51	22	0.46
Other Myeloid/Monocytic	18	0.19	15	0.36	3	---
Other	218	2.40	131	3.10	87	1.80
Other Acute	86	0.90	57	1.30	29	0.57
Aleukemic, Subleukemic and NOS	132	1.50	74	1.90	58	1.20
Mesothelioma	79	0.84	62	1.50	17	0.33
Kaposi Sarcoma	0	---	0	---	0	---
Other, Ill-Defined and Unspecified Sites	1,537	17.00	853	20.00	684	14.00

* Those of unknown gender are not shown separately, but are included in the total.
**Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 15. Top Ten Types of Cancer Mortality by County/Region of Residence, Nevada Residents, 1999-2003

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung And Bronchus	Mortality	5,895	4,015	930	950
		Rate*	60.95	61.53	60.24	59.79
		95% C.I.	(59.4-62.6)	(59.6-63.5)	(56.4-64.3)	(56.0-63.8)
2	Colorectal	Mortality	1,960	1,367	323	270
		Rate*	21.66	22.33	22.05	18.49
		95% C.I.	(20.7-22.7)	(21.1-23.6)	(19.7-24.7)	(16.3-20.9)
3	Breast	Mortality	1,306	882	247	177
		Rate*	13.75	13.68	16.08	11.51
		95% C.I.	(13.0-14.5)	(12.8-14.7)	(14.1-18.3)	(9.8-13.4)
4	Prostate	Mortality	979	669	172	163
		Rate*	11.70	10.28	12.70	10.63
		95% C.I.	(11.0-12.5)	(9.5-11.1)	(10.8-14.8)	(9.0-12.5)
5	Pancreas	Mortality	977	651	145	156
		Rate*	10.29	11.44	9.80	11.50
		95% C.I.	(9.6-11.0)	(10.5-12.4)	(8.2-11.6)	(9.7-13.5)
6	Leukemia	Mortality	667	444	117	113
		Rate*	7.29	7.17	7.86	8.47
		95% C.I.	(6.7-7.9)	(6.5-7.9)	(6.5-9.5)	(6.6-11.4)
7	Non-Hodgkin's Lymphoma	Mortality	617	396	110	104
		Rate*	6.72	6.35	7.45	7.10
		95% C.I.	(6.2-7.3)	(5.7-7.0)	(6.1-9.0)	(5.8-8.7)
8	Liver And Intrahepatic Bile Ducts	Mortality	463	326	76	72
		Rate*	4.81	4.99	4.94	4.61
		95% C.I.	(4.4-5.3)	(4.4-5.6)	(3.9-6.2)	(3.6-5.9)
9	Esophagus	Mortality	449	320	73	71
		Rate*	4.52	4.75	4.70	4.46
		95% C.I.	(4.1-5.0)	(4.2-5.3)	(3.7-6.0)	(3.5-5.7)
10	Urinary Bladder	Mortality	449	313	69	69
		Rate*	5.13	5.36	4.54	4.78
		95% C.I.	(4.7-5.7)	(4.8-6.0)	(3.5-5.8)	(3.7-6.1)
---	Total	Mortality	18,821	12,771	3,111	2,939
		Rate*	200.27	200.47	206.40	193.92
		95% C.I.	(197.3-203.2)	(196.9-204.1)	(199.1-213.9)	(186.7-201.8)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Note: The "---" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 16. Top Ten Types of Cancer Mortality by Age Group, Nevada Residents, 1999-2003

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 16 39.0%	Leukemia 11 20.8%	Brain and OCNS 13 10.6%	Breast 79 16.2%	Lung & Bronchus 420 25.1%	Lung & Bronchus 1,262 34.1%	Lung & Bronchus 2,117 37.6%	Lung & Bronchus 2,023 28.4%	Lung & Bronchus 5,895 31.3%
2	Brain and OCNS 12 29.3%	Brain and OCNS 8 15.1%	Leukemia 12 9.8%	Lung & Bronchus 66 13.5%	Breast 211 12.6%	Colorectal 324 8.8%	Colorectal 580 10.3%	Colorectal 862 12.1%	Colorectal 1,960 10.4%
3	Liver and IBD 3 7.3%	Liver and IBD 4 7.5%	Breast 9 7.3%	Colorectal 45 9.2%	Colorectal 140 8.4%	Breast 298 8.1%	Pancreas 307 5.4%	Prostate 615 8.6%	Breast 1,306 6.9%
4	KRP 1 2.4%	NHL 4 7.5%	Colorectal 8 6.5%	Skin 34 7.0%	Pancreas 85 5.1%	Pancreas 201 5.4%	Breast 299 5.3%	Breast 409 5.8%	Prostate 979 5.2%
5	NHL 1 2.4%	Skin 3 5.7%	Skin 8 6.5%	Brain and OCNS 30 6.1%	Liver and IBD 71 4.2%	Esophagus 130 3.5%	Prostate 261 4.6%	Pancreas 362 5.1%	Pancreas 977 5.2%
6	LOCP 0 0.0%	Stomach 2 3.8%	NHL 7 5.7%	Leukemia 28 5.7%	Ovary 61 3.7%	KRP 110 3.0%	NHL 177 3.1%	Leukemia 288 4.0%	Leukemia 667 3.5%
7	Esophagus 0 0.0%	HL 2 3.8%	Stomach 6 4.9%	NHL 23 4.7%	Brain and OCNS 57 3.4%	NHL 102 2.8%	Leukemia 157 2.8%	NHL 262 3.7%	NHL 617 3.3%
8	Stomach 0 0.0%	LOCP 1 1.9%	Lung & Bronchus 6 4.9%	Cervix Uteri 22 4.5%	Skin 55 3.3%	Leukemia 101 2.7%	Liver and IBD 140 2.5%	Urinary Bladder 237 3.3%	Liver and IBD 463 2.5%
9	Colorectal 0 0.0%	Colorectal 1 1.9%	Cervix Uteri 5 4.1%	Pancreas 17 3.5%	Leukemia 54 3.2%	Ovary 87 2.4%	Esophagus 136 2.4%	Stomach 144 2.0%	Esophagus 449 2.4%
10	Pancreas 0 0.0%	Pancreas 1 1.9%	Pancreas 4 3.3%	Ovary 17 3.5%	NHL 41 2.5%	Prostate 85 2.3%	Urinary Bladder 117 2.1%	Ovary 144 2.0%	Urinary Bladder 449 2.4%
Sum Percent	33 80.5%	37 69.8%	78 63.4%	361 74.0%	1,195 71.5%	2,700 73.0%	4,291 76.1%	5,346 75.2%	13,762 73.1%
Total	41 100.0%	53 100.0%	123 100.0%	488 100.0%	1,671 100.0%	3,698 100.0%	5,635 100.0%	7,112 100.0%	18,821 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.
Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 17. Median Age at Time of Death by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1999-2003

Type of Cancer	Race/Ethnicity					
	White	Black	Native American	Asian	Hispanic	Total
Lung and Bronchus	70.0	67.0	68.5	66.0	69.0	70.0
Breast	68.0	62.0	60.0	57.0	57.5	67.0
Prostate	78.0	75.0	---	75.5	78.5	78.0
Colorectal	73.0	68.0	66.0	68.0	69.5	73.0
Urinary Bladder	75.0	74.0	---	74.0	82.5	75.0
Non-Hodgkin's Lymphoma	73.0	66.0	---	70.0	67.0	73.0
Kidney and Renal Pelvis	69.0	64.0	64.0	61.0	59.0	68.0
Leukemia	73.0	64.0	---	60.5	61.0	72.0
Lip, Oral Cavity and Pharynx	70.0	64.0	---	57.0	70.0	69.0
Pancreas	71.0	68.0	69.5	69.0	63.5	70.0
Skin	62.0	---	---	---	---	62.0
Corpus Uteri & Uterus NOS	72.0	70.0	---	56.5	64.0	71.0
Ovary	69.0	67.0	---	62.0	59.5	68.0
Thyroid Gland	74.0	---	---	---	---	73.0
Stomach	73.0	67.5	---	63.0	62.0	71.0
Brain and Other Central Nervous System	65.0	69.0	---	56.0	49.0	64.0
Cervix Uteri	57.0	52.0	---	58.5	51.0	55.0
Liver and Intrahepatic Bile Ducts	71.0	61.0	69.0	60.0	65.0	69.0
Esophagus	68.0	65.0	---	61.0	64.0	68.0
Larynx	68.0	68.0	---	---	---	68.0
Multiple Myeloma	72.0	67.0	---	---	68.5	71.0
Hodgkin's Lymphoma	58.0	---	---	---	---	58.0
All Other Sites	72.0	65.0	71.0	67.0	61.0	71.0
Total	**71.0**	**67.0**	**70.0**	**65.0**	**65.0**	**71.0**

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

HIGHLIGHTS

- Thyroid Gland Cancer had the highest one-year survival rate of all types of cancer in Nevada from 1999 to 2003 with a rate of 98.6%. This was followed by Breast, Prostate, Hodgkin's Lymphoma, and Skin Cancers, which had one-year survival rates of 95.1%, 95.0%, 93.8%, and 93.2%, respectively.

- Pancreatic Cancer had the lowest one-year survival rate of all types of cancer in Nevada from 1999 to 2003 with a rate of 22.5%. This was followed by Liver and Intrahepatic Bile Duct Cancer, Esophageal, Lung and Bronchus, and Stomach Cancers which had One-Year Survival rates of 29.3%, 38.2%, 40.8%, and 41.4%, respectively.

- The five types of cancer with the highest five-year survival rates in Nevada from 1999 to 2003 were Thyroid Gland (93.9%), Hodgkin's Lymphoma (88.2%), Prostate (87.1%), Breast (83.5%), and Corpus Uteri & Uterus NOS (82.0%) Cancers.

- The five types of cancer with the lowest five-year survival rates in Nevada from 1999 to 2003 were Pancreatic (9.2%), Liver and Intrahepatic Bile Ducts (15.4%), Stomach (16.5%), Esophageal (18.2%), and Lung and Bronchus (18.5%) Cancers.

Figure 20. Ten Highest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003

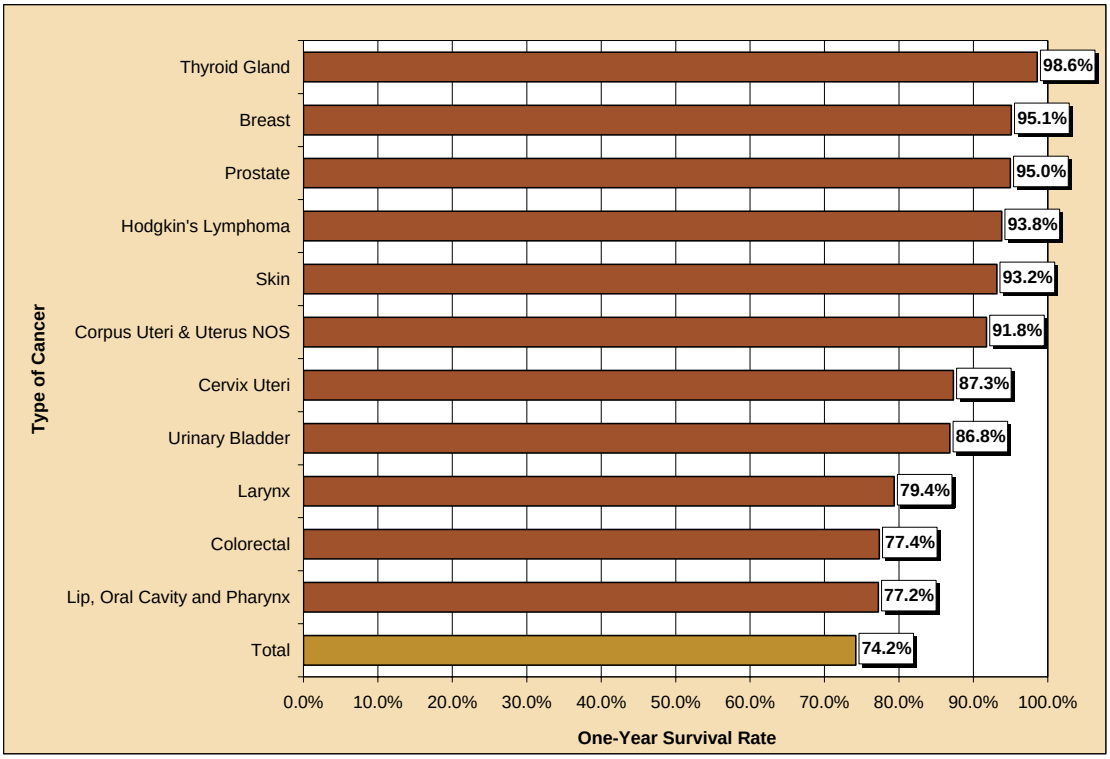


Figure 21. Ten Lowest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003

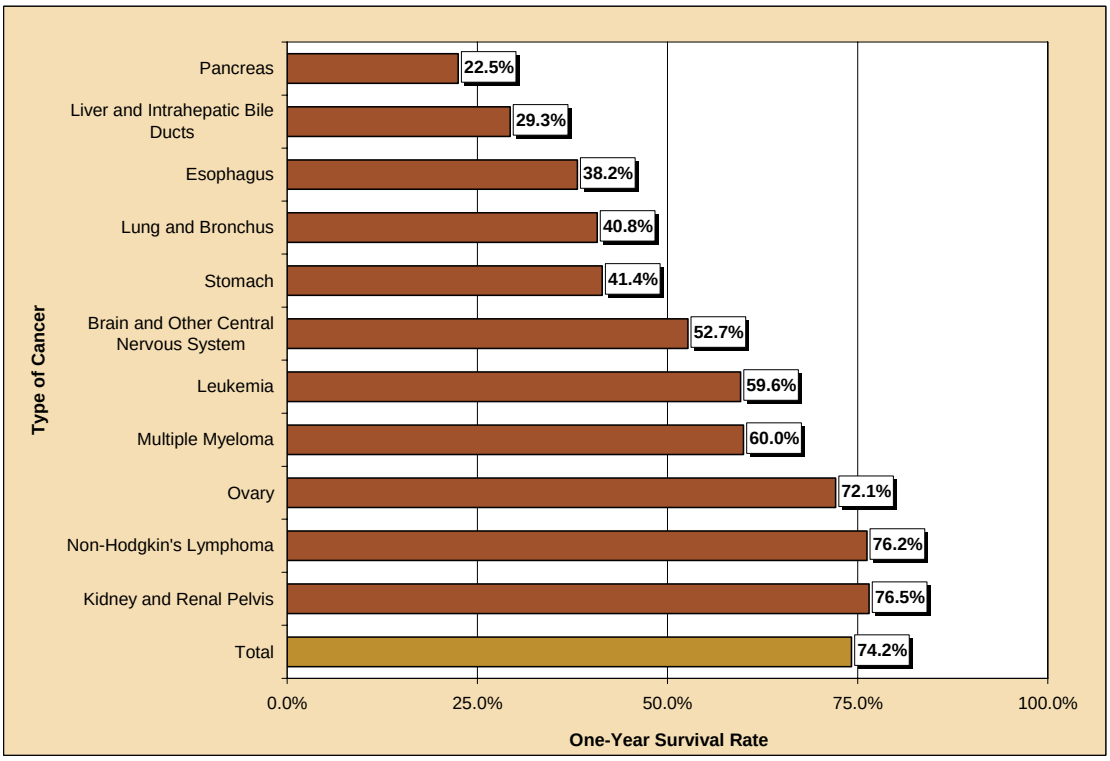


Figure 22. Ten Highest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003

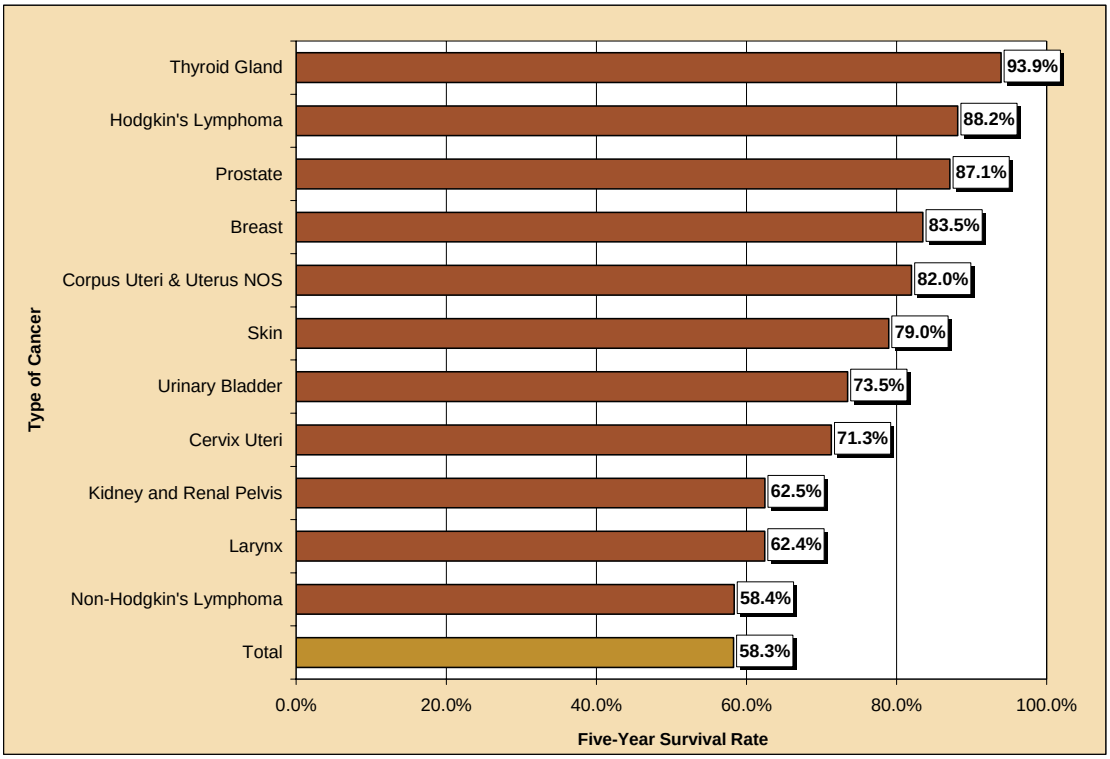


Figure 23. Ten Lowest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1999-2003

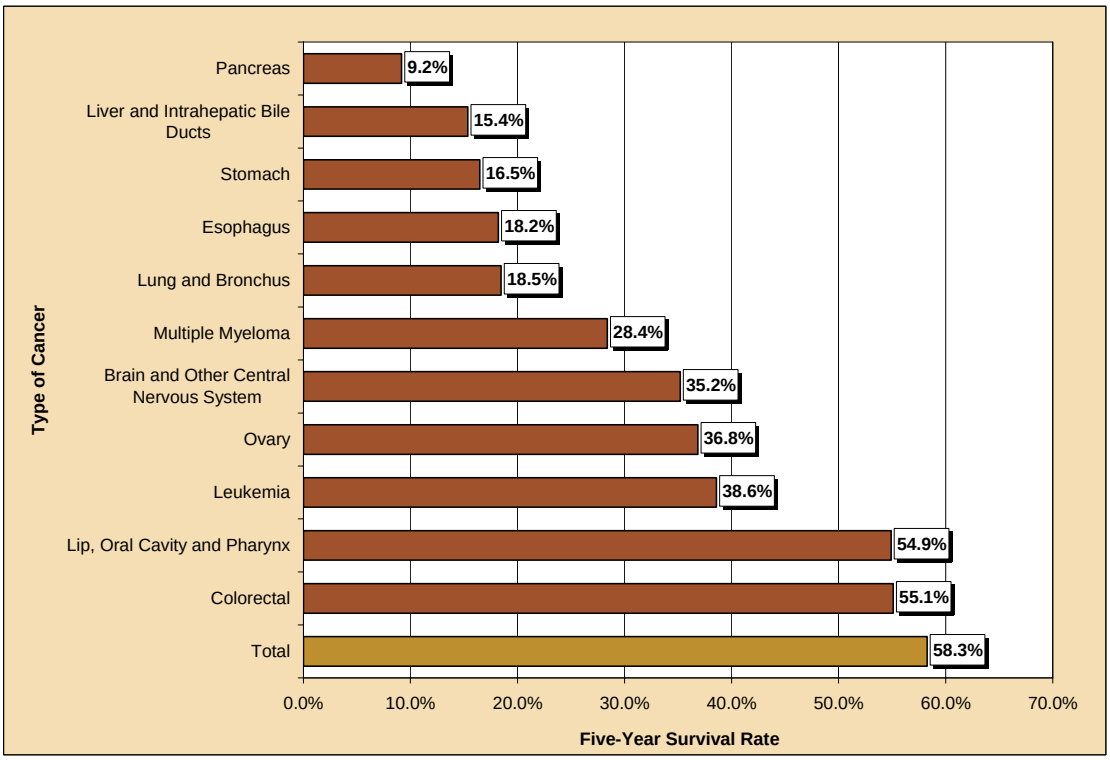


Table 18. One-Year, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents, 1999-2003

Type of Cancer	1-Year	5-Year	Median Survival (Years)
Lung and Bronchus	40.8%	18.5%	0.84
Colorectal	77.4%	55.1%	> 5 YEARS
Breast	95.1%	83.5%	> 5 YEARS
Prostate	95.0%	87.1%	> 5 YEARS
Pancreas	22.5%	9.2%	0.64
Non-Hodgkin's Lymphoma	76.2%	58.4%	> 5 YEARS
Leukemia	59.6%	38.6%	2.45
Liver and Intrahepatic Bile Ducts	29.3%	15.4%	0.71
Urinary Bladder	86.8%	73.5%	> 5 YEARS
Esophagus	38.2%	18.2%	0.81
Ovary	72.1%	36.8%	3.18
Stomach	41.4%	16.5%	0.85
Kidney and Renal Pelvis	76.5%	62.5%	> 5 YEARS
Brain and Other Central Nervous System	52.7%	35.2%	1.31
Skin	93.2%	79.0%	> 5 YEARS
Multiple Myeloma	60.0%	28.4%	1.70
Lip, Oral Cavity and Pharynx	77.2%	54.9%	> 5 YEARS
Larynx	79.4%	62.4%	> 5 YEARS
Cervix Uteri	87.3%	71.3%	> 5 YEARS
Corpus Uteri & Uterus NOS	91.8%	82.0%	> 5 YEARS
Hodgkin's Lymphoma	93.8%	88.2%	> 5 YEARS
Thyroid Gland	98.6%	93.9%	> 5 YEARS
All Other Sites	58.7%	44.4%	2.21
Total	**74.2%**	**58.3%**	**> 5 YEARS**

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 19. One-, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Type of Cancer	1-Year		5-Year		Median Survival	
	Nevada	SEER	Nevada	SEER	Nevada	SEER
Lung and Bronchus	40.8%	43.9%	18.5%	16.1%	0.84	0.89
Colorectal	77.4%	84.0%	55.1%	62.0%	> 5 YEARS	> 5 YEARS
Breast	95.1%	97.1%	83.5%	86.2%	> 5 YEARS	> 5 YEARS
Prostate	95.0%	98.1%	87.1%	90.4%	> 5 YEARS	> 5 YEARS
Pancreas	22.5%	25.2%	9.2%	5.0%	0.64	0.67
Non-Hodgkin's Lymphoma	76.2%	80.2%	58.4%	62.4%	> 5 YEARS	> 5 YEARS
Leukemia	59.6%	68.2%	38.6%	48.4%	2.45	4.39
Liver and Intrahepatic Bile Ducts	29.3%	35.6%	15.4%	14.6%	0.71	0.78
Urinary Bladder	86.8%	91.0%	73.5%	77.2%	> 5 YEARS	> 5 YEARS
Esophagus	38.2%	47.2%	18.2%	17.1%	0.81	0.95
Ovary	72.1%	75.7%	36.8%	42.5%	3.18	3.70
Stomach	41.4%	51.2%	16.5%	25.0%	0.85	1.08
Kidney and Renal Pelvis	76.5%	80.1%	62.5%	63.9%	> 5 YEARS	> 5 YEARS
Brain and Other Central Nervous System	52.7%	60.5%	35.2%	34.8%	1.31	1.68
Skin	93.2%	96.7%	79.0%	88.0%	> 5 YEARS	> 5 YEARS
Multiple Myeloma	60.0%	76.6%	28.4%	34.4%	1.70	3.13
Lip, Oral Cavity and Pharynx	77.2%	84.9%	54.9%	60.0%	> 5 YEARS	> 5 YEARS
Larynx	79.4%	87.2%	62.4%	65.0%	> 5 YEARS	> 5 YEARS
Cervix Uteri	87.3%	89.4%	71.3%	72.9%	> 5 YEARS	> 5 YEARS
Corpus Uteri & Uterus NOS	91.8%	92.9%	82.0%	80.6%	> 5 YEARS	> 5 YEARS
Hodgkin's Lymphoma	93.8%	94.6%	88.2%	86.0%	> 5 YEARS	> 5 YEARS
Thyroid Gland	98.6%	97.2%	93.9%	94.4%	> 5 YEARS	> 5 YEARS
All Other Sites	58.7%	65.2%	44.4%	48.2%	2.21	4.12
Total	**74.2%**	**79.5%**	**58.3%**	**63.0%**	**> 5 YEARS**	**> 5 YEARS**

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 20. One- and Five-Year Survival Rates by Type of Cancer and Gender, Nevada Residents, 1999-2003

Type of Cancer	Gender					
	Total		Male		Female	
	1-Year	5-Year	1-Year	5-Year	1-Year	5-Year
Lung and Bronchus	40.8%	18.5%	38.0%	17.5%	44.0%	19.5%
Colorectal	77.4%	55.1%	76.3%	52.7%	78.6%	58.1%
Breast	95.1%	83.5%	90.8%	49.2%	95.1%	83.9%
Prostate	95.0%	87.1%	95.0%	87.1%	---	---
Pancreas	22.5%	9.2%	23.4%	7.5%	21.5%	10.6%
Non-Hodgkin's Lymphoma	76.2%	58.4%	75.8%	59.1%	76.7%	57.3%
Leukemia	59.6%	38.6%	58.7%	35.4%	61.2%	41.3%
Liver and Intrahepatic Bile Ducts	29.3%	15.4%	24.0%	12.3%	41.6%	26.2%
Urinary Bladder	86.8%	73.5%	88.0%	74.3%	83.0%	70.8%
Esophagus	38.2%	18.2%	36.4%	15.7%	44.5%	27.9%
Ovary	72.1%	36.8%	---	---	72.1%	36.8%
Stomach	41.4%	16.5%	40.9%	19.9%	42.4%	12.5%
Kidney and Renal Pelvis	76.5%	62.5%	75.3%	61.5%	78.7%	64.1%
Brain and Other Central Nervous System	52.7%	35.2%	51.9%	32.2%	53.9%	40.1%
Skin	93.2%	79.0%	91.8%	72.7%	95.2%	87.6%
Multiple Myeloma	60.0%	28.4%	62.4%	27.4%	56.6%	28.9%
Lip, Oral Cavity and Pharynx	77.2%	54.9%	76.4%	55.3%	79.3%	54.2%
Larynx	79.4%	62.4%	80.7%	62.7%	73.9%	61.2%
Cervix Uteri	87.3%	71.3%	---	---	87.3%	71.3%
Corpus Uteri & Uterus NOS	91.8%	82.0%	---	---	91.8%	82.0%
Hodgkin's Lymphoma	93.8%	88.2%	91.0%	85.7%	97.0%	91.2%
Thyroid Gland	98.6%	93.9%	97.1%	81.2%	99.0%	97.3%
All Other Sites	58.7%	44.4%	61.2%	47.5%	55.3%	40.1%
Total	**74.2%**	**58.3%**	**72.1%**	**56.4%**	**76.5%**	**60.4%**

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL CANCERS

ALL CANCERS

HIGHLIGHTS

- The ratio of the cancer age-adjusted incidence rate, 482.6, to the age-adjusted mortality rate, 200.3 (per 100,000 – 2000 US Standard population), was 2.41 during the 1999 to 2003 period, which means that for every 241 cancer cases there were 100 deaths due to Cancer in Nevada during this period.

- Nevadan females had a higher ratio than males when the cancer incidence and cancer mortality age-adjusted rates were compared. For every 256 female cancer cases there were 100 female deaths while there were 227 male cases for every 100 male cancer deaths in Nevada from 1999 to 2003.

- The median age at diagnosis of cancer was 66 years of age for Nevada residents from 1999 to 2003. The median age at time of death due to cancer was 71 years. The median age at diagnosis for females was lower than the age for males, 65 and 67 years, respectively, while the median age at time of death was 71 years for females and 71 years for males.

INCIDENCE

- Nevada's lower cancer incidence rate for Males (541.7) was statistically significant when compared to the 1998-2002 national rate of 554.3 (per 100,000 – 2000 US Standard population) from 1999 to 2003, while Nevada's female population had an age-adjusted incidence rate (438.6) that was statistically significant above the rate for their national counterparts (414.3) during this period.

- There were 47,808 Resident Cancer cases reported in Nevada from 1999 to 2003. Statistical significance tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 506.6. Clark County and All Other Counties, as a region, followed with rates of 487.9 and 437.6 (per 100,000 population – 2000 US Standard population), respectively. Washoe County's rate also showed statistical significance over the 1998-2002 national rate of 469.6, while All Other Counties as a region had a statistically significant lower rate.

- Whites, as a racial/ethnic group, accounted for 86.2% of all reported cancer cases in Nevada during the 1999 to 2003 period. Their age-adjusted incidence rate of 516.1, followed by Blacks (472.4) showed statistical significance over the rates for Asians, Hispanics and Native Americans, who had rates of 282.1, 256.8 and 55.0, respectively, during this period.

- Males had a statistically significant higher age-adjusted cancer incidence rate, 541.7 (534.6-548.8) over the female rate of 438.6 (432.9-444.4) during the 1999 to 2003 period. However, Males had a statistically significant lower rate when compared to their national counterparts, 554.3 (552.6-556.1), while Nevada Females had a higher rate that showed

statistical significance over their National counterparts who had an age-adjusted incidence rate of 414.3 (413.0-415.6).

INPATIENT HOSPITAL DISCHARGES

- There were 34,449 hospital inpatient discharges for a primary diagnosis of cancer to Nevada Residents from 1999 to 2003. Clark County had the highest cancer age-adjusted inpatient discharge rate, 357.8 (353.2-362.4), once regional comparisons were made. This region showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 343.0 (339.3-346.7), 342.5 (333.4-351.9) and 277.2 (268.9-286.2) (per 100,000 – 2000 US Standard population), respectively, during this period.

- Total billed charges for hospital inpatient discharges due to a primary diagnosis for Cancer in Nevada totaled over 1.3 billion dollars from 1999 to 2003. Nevadans in the <1 year age group had the highest median total billed amount at $38,334 during this period. The overall average billed charge per day for a hospital inpatient discharge due to cancer was approximately $5,432 in Nevada from 1999 to 2003.

MORTALITY

- There were 18,821 resident deaths due to cancer in Nevada from 1999 to 2003, which followed Diseases of the Heart as the second leading cause of death during this period. Males had a 39.1% higher statistically significant age-adjusted mortality rate, 238.4 (233.5-243.5) than the female rate of 171.4 (167.8-175.1), per 100,000 – 2000 US Standard population, in Nevada during this period.

- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant cancer age-adjusted mortality rates of 224.8 (210.3-240.3) and 211.6 (208.4-215.0), respectively, of all racial/ethnic groups. They were followed by Native Americans, Asians and Hispanics who had age-adjusted mortality rates of 120.0 (97.4-146.9), 117.4 (104.7-131.9) and 107.2 (97.9-117.3), respectively from 1999 to 2003.

SURVIVAL RATE

- The one-year survival rate for cancer in Nevada was 74.2% during the 1999 to 2003 period, while the five-year survival rate was 58.3% during this same time. The median survival rate in Nevada was greater than five years during this period.

- Females in Nevada had a higher one-year survival rate (76.5%) than males (72.1%) for all cancers during the 1999 to 2003 period. This trend was similar for the five-year survival rate with females at 60.4% and males at 56.4%

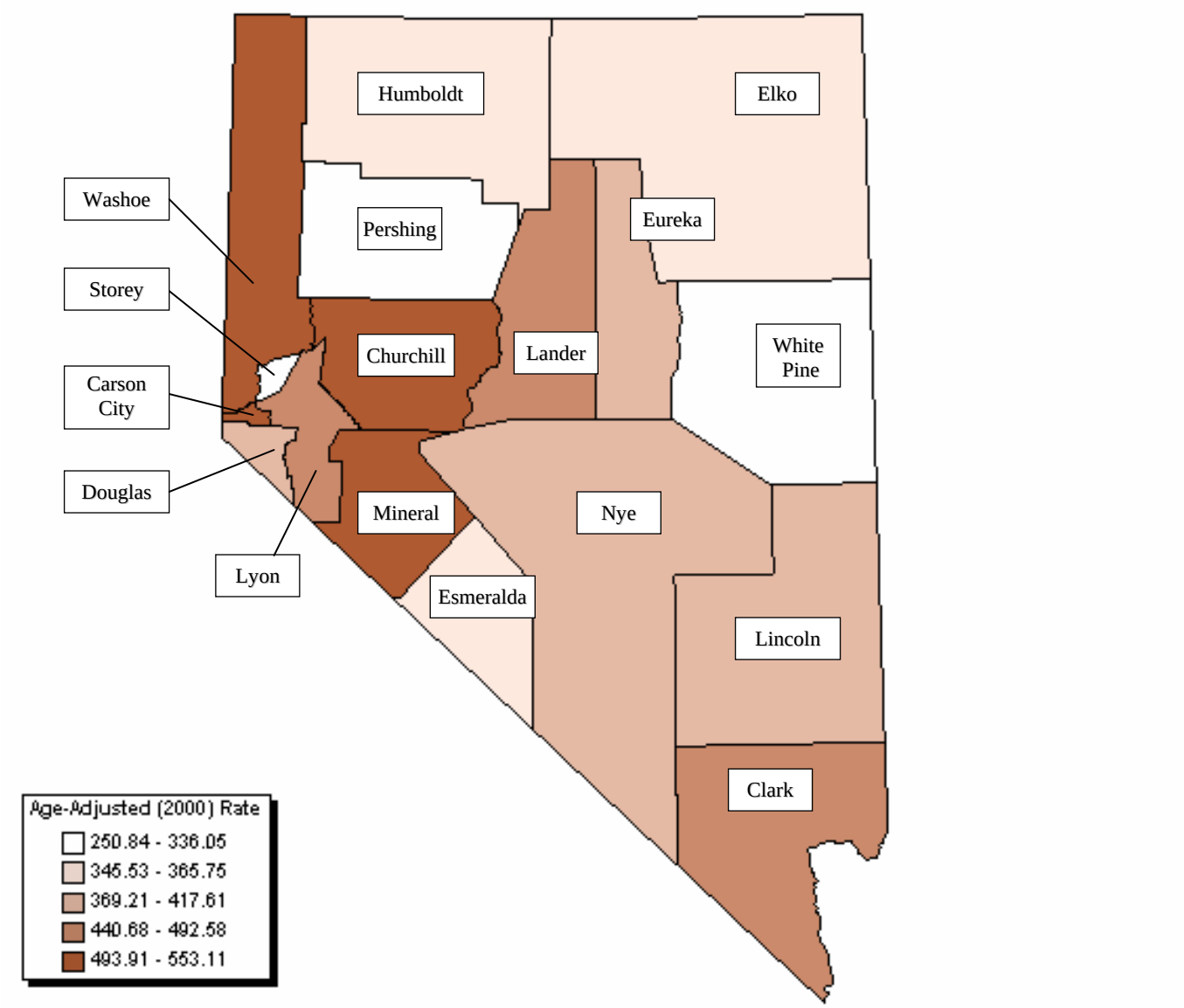
- Hispanics, as a racial/ethnic group, had the highest One-Year Survival Rate for all cancers (77.5%) in the state, and were followed by Asians, Whites, and Blacks, with rates of 76.1%, 73.9%, and 70.3%, respectively, during the 1999 to 2003 period.

- The five-year survival rate for those diagnosed at the in situ stage was 96.1% for Nevada from 1999 to 2003. The rate for those at the localized stage was 84.6%, while those recorded at the regional, distant and unstaged stages had rates of 58.5%, 19.9% and 30.0%, respectively.

- While the Median Survival time for those diagnosed at the in situ, localized and regional stages was over five years for all types of cancer, those diagnosed at the distant and unstaged levels had median survival times of 0.87 and 0.99 respectively, for Nevada during the 1999 to 2003 period.

INCIDENCE

Figure 24. Age-Adjusted (2000) Incidence Rates for All Cancers, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 25. All Cancers Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

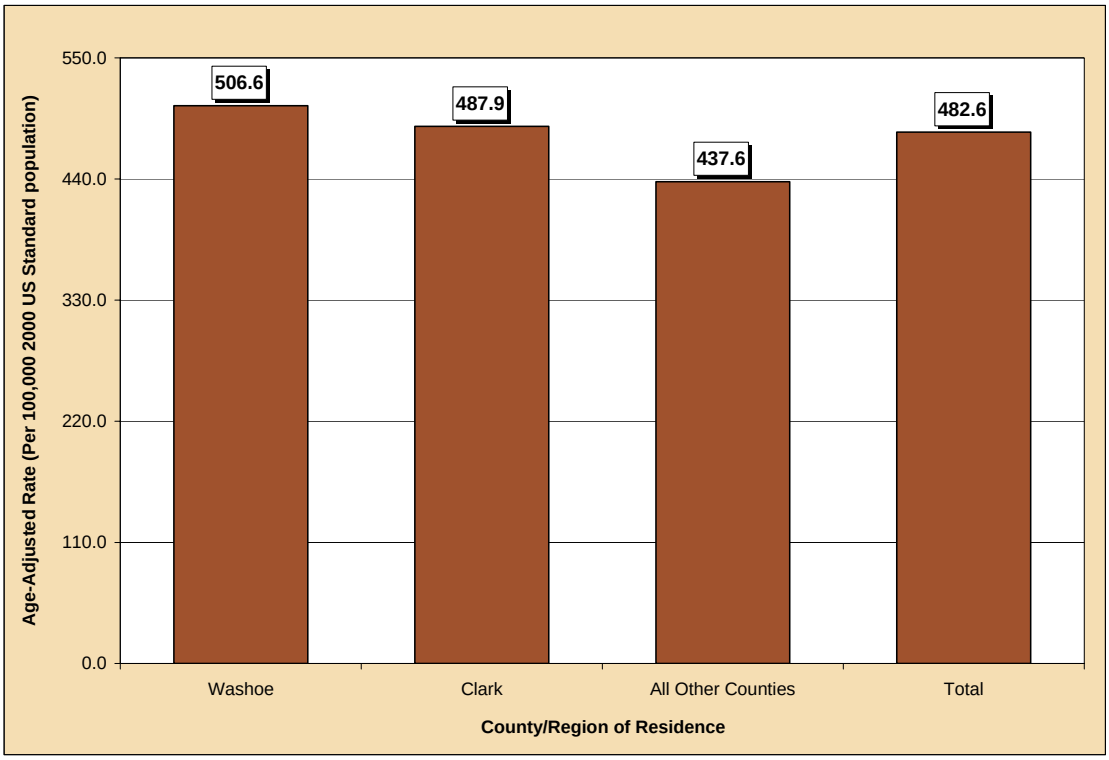


Figure 26. All Cancers Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

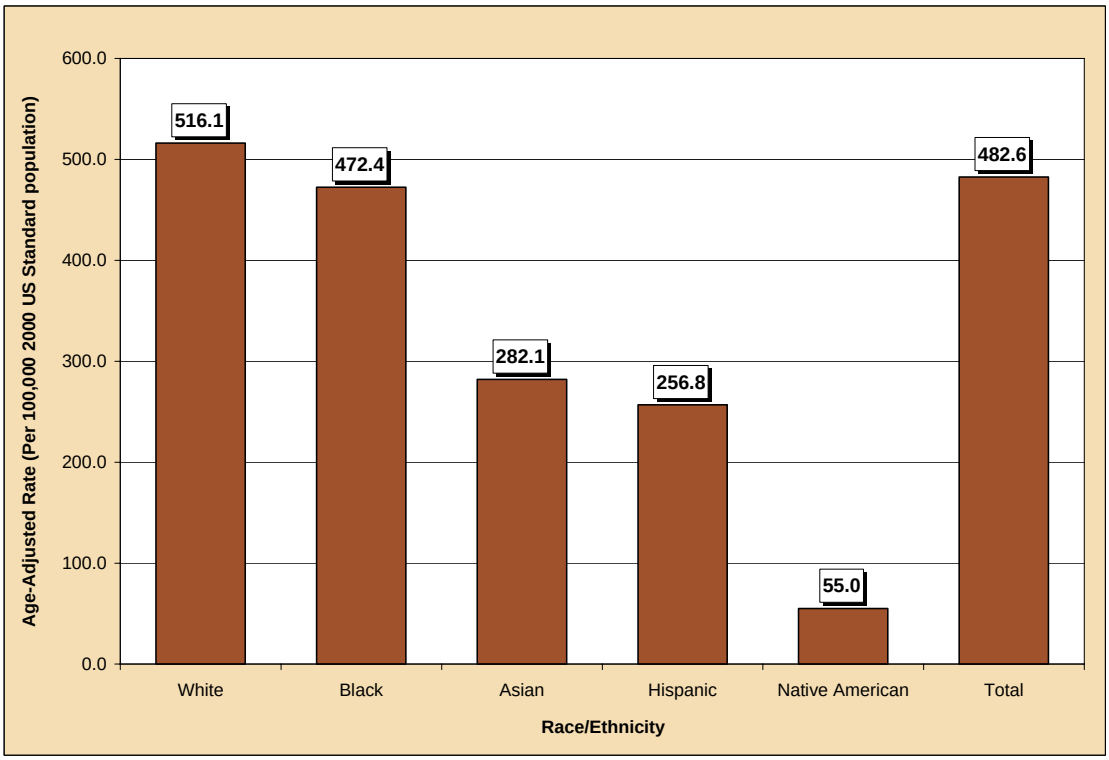


Table 21. All Cancers Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	47,808	32,910	8,091	6,805	2	831,938
Rate*	482.6	487.9	506.6	437.6	---	469.6
95% C.I.	(478.2-487.1)	(482.5-493.3)	(495.5-518.0)	(427.0-449.0)	---	(468.6-470.6)
Gender						
Male	25,192	17,201	4,187	3,803	1	416,108
Rate*	541.7	544.1	569.3	508.0	---	554.3
95% C.I.	(534.6-548.8)	(535.5-553.0)	(551.3-587.8)	(491.2-526.2)	---	(552.6-556.1)
Female	22,612	15,707	3,903	3,001	1	399,368
Rate*	438.6	447.1	462.4	378.0	---	414.3
95% C.I.	(432.9-444.4)	(440.1-454.3)	(448.0-477.4)	(364.3-393.3)	---	(413.0-415.6)
Other/Unknown	4	2	1	1	0	0
Race/Ethnicity						
White	41,193	27,339	7,399	6,454	1	669,754
Rate*	516.1	526.3	539.2	457.8	---	479.6
95% C.I.	(511.1-521.2)	(520.0-532.7)	(526.9-551.8)	(446.4-470.0)	---	(478.5-480.8)
Black	2,415	2,231	145	39	0	75,672
Rate*	472.4	468.9	564.5	427.8	---	515.7
95% C.I.	(452.7-493.1)	(448.4-490.4)	(472.5-671.3)	(302.0-591.3)	---	(512.0-519.5)
Native American	67	12	22	33	0	3,867
Rate*	55.0	22.1	76.7	76.4	---	237.7
95% C.I.	(42.1-71.7)	(10.7-44.1)	(47.5-118.8)	(52.1-110.1)	---	(229.7-229.7)
Asian	1,326	1,079	207	40	0	59,304
Rate*	282.1	280.6	327.4	203.2	---	336.5
95% C.I.	(264.4-301.3)	(260.6-302.9)	(275.8-391.1)	(143.0-285.2)	---	(333.8-339.3)
Hispanic	2,118	1,686	262	169	1	62,567
Rate*	256.8	264.5	244.6	230.7	---	346.2
95% C.I.	(243.7-270.8)	(249.2-281.0)	(209.9-285.8)	(186.0-295.8)	---	(343.3-349.2)
Other/Unknown	689	563	56	70	0	8,304

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 22. All Cancers Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	47,808	32,910	8,091	6,805	2	831,938
Rate*	482.6	487.9	506.6	437.6	---	469.6
95% C.I.	(478.2-487.1)	(482.5-493.3)	(495.5-518.0)	(427.0-449.0)	---	(468.6-470.6)
Age Group						
<1	39	28	6	5	0	629
Rate*	51.1	44.1	---	---	---	22.4
95% C.I.	(35.03-67.08)	(27.77-60.45)	---	---	---	(20.7-24.2)
1-4	103	67	14	22	0	2,252
Rate*	16.9	15.3	14.2	31.0	---	20.3
95% C.I.	(13.65-20.19)	(11.60-18.91)	(6.77-21.66)	(18.03-43.91)	---	(19.5-21.2)
5-14	164	112	29	23	0	3,474
Rate*	11.0	10.8	11.9	11.1	---	12.1
95% C.I.	(9.30-12.66)	(8.76-12.74)	(7.54-16.17)	(6.55-15.59)	---	(11.7-12.5)
15-24	369	242	76	51	0	7,091
Rate*	24.8	23.4	29.8	26.3	---	26.3
95% C.I.	(22.31-27.38)	(20.41-26.29)	(23.13-36.55)	(19.05-33.45)	---	(25.7-26.9)
25-34	959	702	161	95	1	19,641
Rate*	61.5	61.2	63.0	60.4	---	65.8
95% C.I.	(57.56-65.34)	(56.63-65.68)	(53.29-72.76)	(48.25-72.54)	---	(64.9-66.7)
35-44	2,604	1,854	459	291	0	51,755
Rate*	157.3	161.3	161.7	131.3	---	164.4
95% C.I.	(151.30-163.38)	(153.94-168.63)	(146.90-176.49)	(116.20-146.37)	---	(163.0-165.8)
45-54	6,093	4,227	1,121	745	0	111,903
Rate*	428.8	443.9	442.9	345.4	---	433.0
95% C.I.	(418.02-439.55)	(430.54-457.31)	(417.00-468.86)	(320.55-370.15)	---	(430.5-435.5)
55-64	11,077	7,655	1,842	1,580	0	167,689
Rate*	1,077.0	1,085.3	1,120.6	995.2	---	1,063.8
95% C.I.	(1,056.95-1,097.07)	(1,060.96-1,109.58)	(1,069.44-1,171.79)	(946.10-1,044.25)	---	(1,058.7-1,068.9)
65-74	14,181	9,793	2,287	2,100	1	218,831
Rate*	2,061.7	2,078.2	2,189.8	1,872.2	---	1,975.2
95% C.I.	(2,027.75-2,095.61)	(2,037.02-2,119.34)	(2,100.07-2,279.56)	(1,792.08-1,952.23)	---	(1,967.0-1,983.5)
75-84	9,884	6,743	1,636	1,505	0	187,348
Rate*	2,519.9	2,540.8	2,660.7	2,302.7	---	2,452.5
95% C.I.	(2,470.21-2,569.57)	(2,480.12-2,601.41)	(2,531.72-2,789.58)	(2,186.35-2,419.03)	---	(2,441.4-2,463.6)
85+	2,332	1,484	460	388	0	61,325
Rate*	2,650.5	2,668.1	2,768.7	2,463.8	---	2,289.2
95% C.I.	(2,542.96-2,758.11)	(2,532.33-2,803.83)	(2,515.72-3,021.76)	(2,218.68-2,709.00)	---	(2,271.2-2,307.4)
Unknown	3	3	0	0	0	0

*Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 23. All Cancers Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	1,592	629.1	(598.23-660.04)	542.8	(514.3-580.1)
Churchill	660	537.1	(496.11-578.06)	553.1	(511.2-600.1)
Clark	32,910	449.1	(444.25-453.96)	487.9	(482.5-493.3)
Douglas	1,007	469.8	(440.83-498.87)	378.7	(354.9-404.1)
Elko	499	219.2	(200.01-238.48)	357.4	(322.0-401.8)
Esmeralda	24	447.0	(268.14-625.79)	345.5	(218.3-529.5)
Eureka	30	394.2	(253.14-535.27)	369.2	(243.0-569.4)
Humboldt	252	311.0	(272.59-349.38)	365.7	(320.2-416.9)
Lander	93	329.1	(262.24-396.03)	440.7	(349.5-551.2)
Lincoln	94	513.5	(409.71-617.34)	397.9	(320.5-492.6)
Lyon	1,070	577.2	(542.58-611.75)	492.6	(463.2-523.6)
Mineral	176	722.4	(615.68-829.14)	493.9	(422.3-576.9)
Nye	1,012	597.1	(560.29-633.87)	417.6	(390.8-446.3)
Pershing	87	314.3	(248.23-380.31)	334.4	(267.2-414.8)
Storey	53	292.7	(213.87-371.46)	250.8	(177.2-374.4)
Washoe	8,091	463.1	(452.97-473.15)	506.6	(495.5-518.0)
White Pine	156	400.3	(337.51-463.16)	336.0	(259.6-481.1)
Unknown	2	---	---	---	---
Total	47,808	455.4	(451.34-459.50)	482.6	(478.2-487.1)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 24. All Cancers Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	21,797	19,392	4	41,193
	Rate*	570.2	476.0	---	516.1
	95% C.I.	(562.3-578.2)	(469.3-482.9)	---	(511.1-521.2)
Black	Incidence	1,294	1,121	0	2,415
	Rate*	554.5	409.4	---	472.4
	95% C.I.	(521.1-590.6)	(385.0-435.3)	---	(452.7-493.1)
Native American	Incidence	26	41	0	67
	Rate*	51.8	60.8	---	55.0
	95% C.I.	(32.1-84.9)	(43.2-84.5)	---	(42.1-71.7)
Asian	Incidence	547	779	0	1,326
	Rate*	294.0	274.1	---	282.1
	95% C.I.	(265.2-327.0)	(252.1-298.8)	---	(264.4-301.3)
Hispanic	Incidence	1,120	998	0	2,118
	Rate*	314.5	217.0	---	256.8
	95% C.I.	(290.7-340.6)	(201.6-233.6)	---	(243.7-270.8)
Other/Unknown		408	281	0	689
Total	Incidence	25,192	22,612	4	47,808
	Rate*	541.7	438.6	---	482.6
	95% C.I.	(534.6-548.8)	(432.9-444.4)	---	(478.2-487.1)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Table 25. All Cancers Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	25	14	0	39
Rate*	63.72	37.68	---	51.06
95% C.I.	(38.74-88.70)	(17.94-57.42)	---	(35.03-67.08)
1-4	62	41	0	103
Rate*	19.93	13.78	---	16.92
95% C.I.	(14.97-24.89)	(9.56-18.00)	---	(13.65-20.19)
5-14	96	68	0	164
Rate*	12.50	9.37	---	10.98
95% C.I.	(10.00-15.00)	(7.14-11.59)	---	(9.30-12.66)
15-24	196	173	0	369
Rate*	25.43	24.21	---	24.84
95% C.I.	(21.87-28.99)	(20.60-27.81)	---	(22.31-27.38)
25-34	371	588	0	959
Rate*	45.63	78.64	---	61.45
95% C.I.	(40.99-50.28)	(72.29-85.00)	---	(57.56-65.34)
35-44	874	1,730	0	2,604
Rate*	101.81	217.19	---	157.34
95% C.I.	(95.06-108.56)	(206.95-227.42)	---	(151.30-163.38)
45-54	2,561	3,532	0	6,093
Rate*	355.64	503.93	---	428.78
95% C.I.	(341.86-369.41)	(487.31-520.55)	---	(418.02-439.55)
55-64	6,060	5,015	2	11,077
Rate*	1,192.85	963.56	---	1,077.01
95% C.I.	(1,162.81-1,222.88)	(936.89-990.23)	---	(1,056.95-1,097.07)
65-74	8,417	5,762	2	14,181
Rate*	2,480.28	1,653.46	---	2,061.68
95% C.I.	(2,427.30-2,533.27)	(1,610.77-1,696.16)	---	(2,027.75-2,095.61)
75-84	5,434	4,450	0	9,884
Rate*	3,065.54	2,069.97	---	2,519.89
95% C.I.	(2,984.03-3,147.05)	(2,009.15-2,130.79)	---	(2,470.21-2,569.57)
85+	1,094	1,238	0	2,332
Rate*	3,761.48	2,101.94	---	2,650.53
95% C.I.	(3,538.59-3,984.38)	(1,984.85-2,219.03)	---	(2,542.96-2,758.11)
Unknown	2	1	0	3
Total	25,192	22,612	4	47,808
Rate*	472.25	437.95	---	455.42
95% C.I.	(466.42-478.08)	(432.24-443.66)	---	(451.34-459.50)

Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 26. All Cancers Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	17	1	10	11	39
	Percent	---	43.6%	2.6%	25.6%	28.2%	100.0%
1-4	Number	0	21	6	64	12	103
	Percent	---	20.4%	5.8%	62.1%	11.7%	100.0%
5-14	Number	0	50	18	71	25	164
	Percent	---	30.5%	11.0%	43.3%	15.2%	100.0%
15-24	Number	1	170	64	86	48	369
	Percent	0.3%	46.1%	17.3%	23.3%	13.0%	100.0%
25-34	Number	14	497	180	140	128	959
	Percent	1.5%	51.8%	18.8%	14.6%	13.3%	100.0%
35-44	Number	128	1,215	558	377	326	2,604
	Percent	4.9%	46.7%	21.4%	14.5%	12.5%	100.0%
45-54	Number	408	2,506	1,249	1,032	898	6,093
	Percent	6.7%	41.1%	20.5%	16.9%	14.7%	100.0%
55-64	Number	486	4,511	2,165	2,119	1,796	11,077
	Percent	4.4%	40.7%	19.5%	19.1%	16.2%	100.0%
65-74	Number	604	5,854	2,432	2,572	2,719	14,181
	Percent	4.3%	41.3%	17.1%	18.1%	19.2%	100.0%
75-84	Number	400	3,573	1,563	1,904	2,444	9,884
	Percent	4.0%	36.1%	15.8%	19.3%	24.7%	100.0%
85+	Number	66	677	333	405	851	2,332
	Percent	2.8%	29.0%	14.3%	17.4%	36.5%	100.0%
Unknown	Number	0	2	0	0	1	3
	Percent	---	66.7%	---	---	33.3%	100.0%
Total	Number	2,107	19,093	8,569	8,780	9,259	47,808
	Percent	4.4%	39.9%	17.9%	18.4%	19.4%	100.0%

Table 27. Cancer Incidence by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	1,847	68	5	69	78	40	2,107
	Percent	4.5%	2.8%	7.5%	5.2%	3.7%	5.8%	4.4%
Localized	Number	16,567	908	34	438	806	340	19,093
	Percent	40.2%	37.6%	50.7%	33.0%	38.1%	49.3%	39.9%
Regional	Number	7,438	398	13	286	353	81	8,569
	Percent	18.1%	16.5%	19.4%	21.6%	16.7%	11.8%	17.9%
Distant	Number	7,392	531	7	282	472	96	8,780
	Percent	17.9%	22.0%	10.4%	21.3%	22.3%	13.9%	18.4%
Unstaged	Number	7,949	510	8	251	409	132	9,259
	Percent	19.3%	21.1%	11.9%	18.9%	19.3%	19.2%	19.4%
Total	Number	41,193	2,415	67	1,326	2,118	689	47,808
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

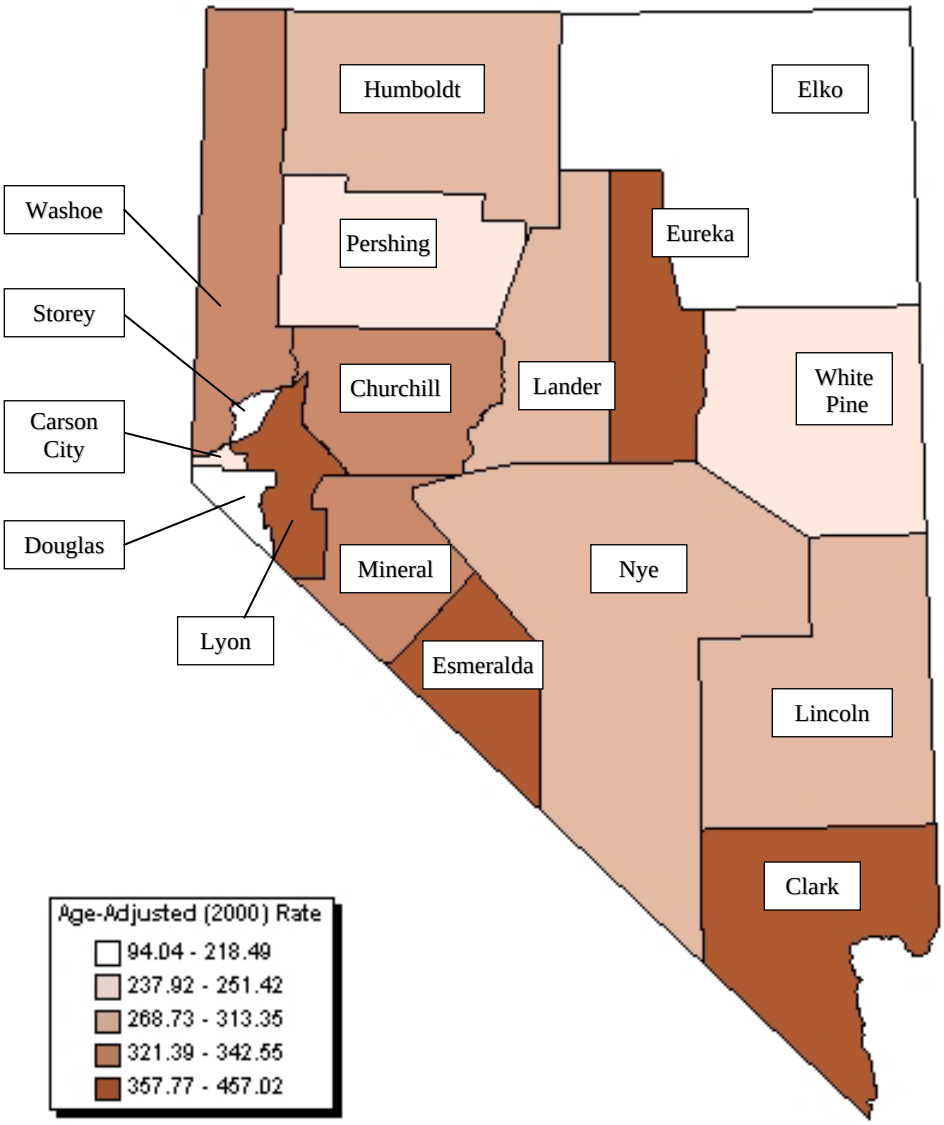
Table 28. Median Age at Diagnosis of All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	21,795	68.0	19,392	66.0	41,187	67.0
Black	1,294	64.0	1,121	62.0	2,415	63.0
Native American	26	61.5	41	55.0	67	60.0
Asian	547	65.0	779	57.0	1,326	61.0
Hispanic	1,120	61.0	998	54.0	2,118	58.0
Other/Unknown	408	67.0	280	62.0	688	65.0
Total	25,190	67.0	22,611	65.0	47,801	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 27. All Cancers Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 28. All Cancers Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

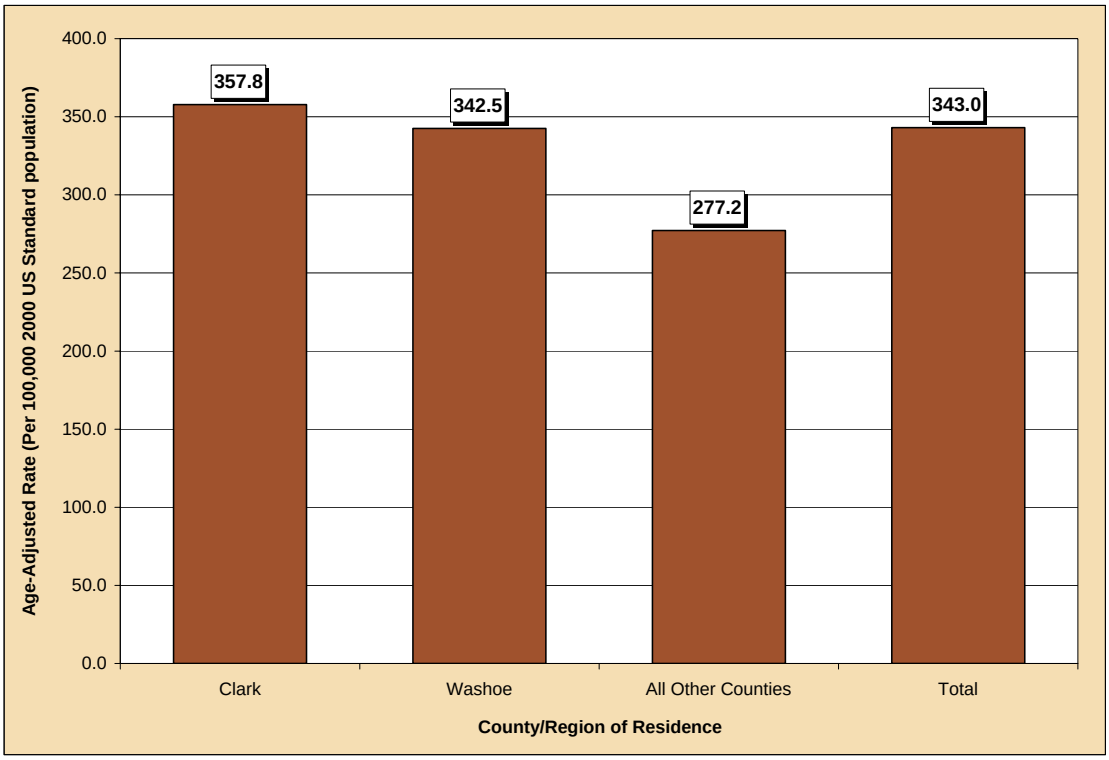


Figure 29. Median Charges for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

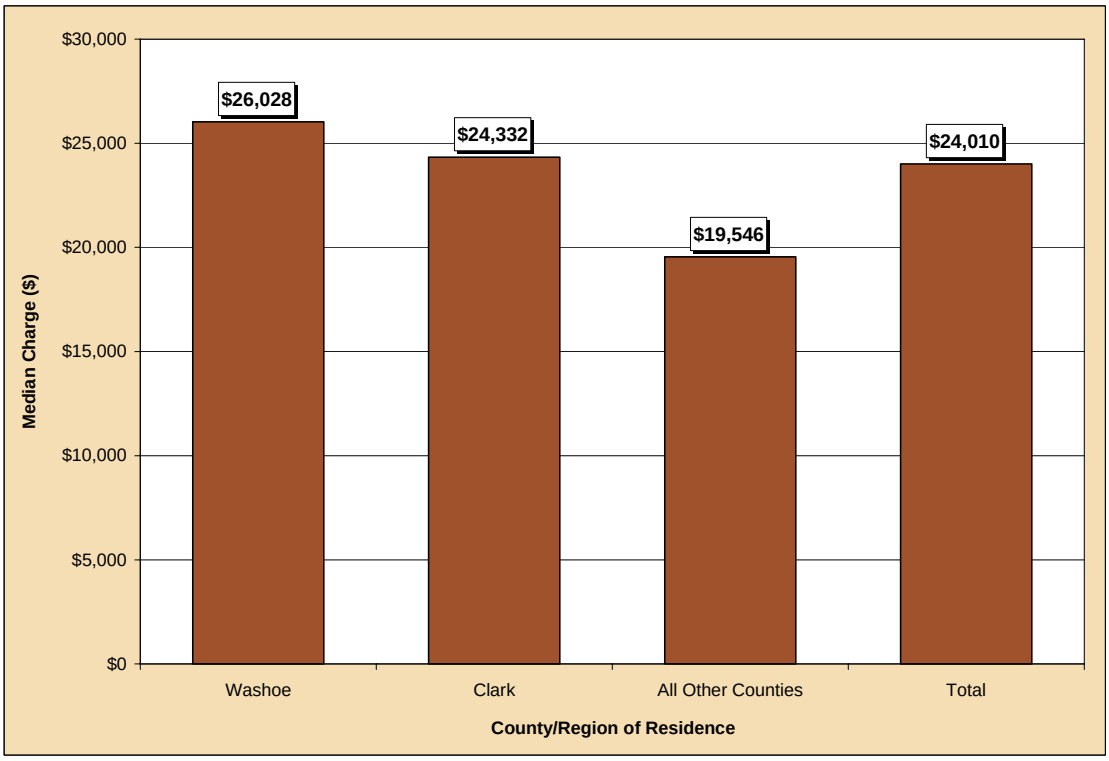


Figure 30. Average Length of Stay for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

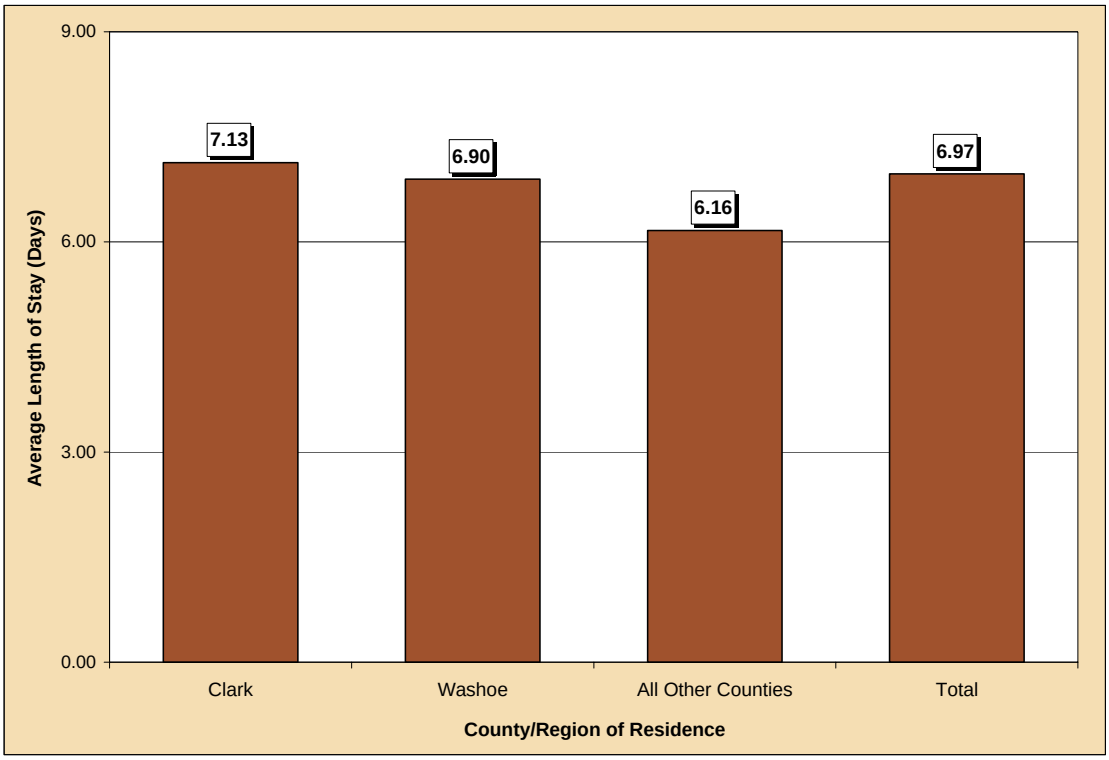


Table 29. All Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	34,449	24,559	5,509	4,372	9
Rate*	343.0	357.8	342.5	277.2	---
95% C.I.	(339.3-346.7)	(353.2-362.4)	(333.4-351.9)	(268.9-286.2)	---
Gender					
Male	16,736	11,901	2,550	2,278	7
Rate*	350.5	366.4	338.4	295.2	---
95% C.I.	(344.9-356.2)	(359.5-373.5)	(324.8-352.6)	(282.7-309.1)	---
Female	17,712	12,657	2,959	2,094	2
Rate*	341.6	356.8	350.8	262.2	---
95% C.I.	(336.6-346.8)	(350.6-363.1)	(338.2-363.7)	(251.0-273.8)	---
Other/Unknown	1	1	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$1,304,698,907	$973,854,713	$196,284,017	$133,622,760	$937,417
Average Charges	$37,873	$39,654	$35,630	$30,563	$104,157
Median Charges	$24,010	$24,332	$26,028	$19,546	$44,253
Discharge Length of Stay (LOS) (Days)					
Total LOS	240,195	175,095	37,989	26,948	163
Average LOS	7.0	7.1	6.9	6.2	18.1
Median LOS	5.0	5.0	5.0	4.0	12.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 30. Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	34,449	24,559	5,509	4,372
Rate*	328.2	335.1	315.3	307.4
95% C.I.	(324.69-331.63)	(330.95-339.34)	(306.96-323.62)	(298.25-316.47)
Age Group				
<1	26	25	0	1
Rate*	34.0	39.4	---	---
95% C.I.	(20.95-47.12)	(23.94-54.82)	---	---
1-4	137	117	7	13
Rate*	22.5	26.7	---	18.3
95% C.I.	(18.74-26.28)	(21.82-31.47)	---	(8.35-28.25)
5-14	274	247	18	9
Rate*	18.3	23.7	7.4	---
95% C.I.	(16.17-20.51)	(20.76-26.67)	(3.96-10.76)	---
15-24	365	282	52	31
Rate*	24.6	27.2	20.4	16.0
95% C.I.	(22.05-27.09)	(24.03-30.38)	(14.87-25.97)	(10.34-21.57)
25-34	862	707	98	57
Rate*	55.2	61.6	38.4	36.2
95% C.I.	(51.54-58.92)	(57.05-66.13)	(30.77-45.96)	(26.83-45.65)
35-44	2,161	1,606	340	215
Rate*	130.6	139.7	119.8	97.0
95% C.I.	(125.07-136.08)	(132.88-146.54)	(107.04-132.51)	(84.03-109.97)
45-54	4,872	3,543	807	522
Rate*	342.9	372.1	318.9	242.0
95% C.I.	(333.23-352.48)	(359.84-384.34)	(296.86-340.86)	(221.22-262.73)
55-64	8,480	6,042	1,333	1,103
Rate*	824.5	856.6	811.0	694.7
95% C.I.	(806.96-842.06)	(834.99-878.19)	(767.42-854.49)	(653.73-735.73)
65-74	9,556	6,685	1,501	1,365
Rate*	1,389.3	1,418.6	1,437.2	1,216.9
95% C.I.	(1,361.43-1,417.14)	(1,384.62-1,452.64)	(1,364.51-1,509.93)	(1,152.34-1,281.46)
75-84	6,365	4,464	1,047	852
Rate*	1,622.7	1,682.0	1,702.8	1,303.6
95% C.I.	(1,582.87-1,662.60)	(1,632.69-1,731.38)	(1,599.61-1,805.89)	(1,216.05-1,391.12)
85+	1,351	841	306	204
Rate*	1,535.5	1,512.0	1,841.8	1,295.4
95% C.I.	(1,453.65-1,617.42)	(1,409.84-1,614.23)	(1,635.45-2,048.18)	(1,117.65-1,473.19)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 31. All Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	12	14	26
Rate*	30.59	37.68	34.04
95% C.I.	(13.28-47.89)	(17.94-57.42)	(20.95-47.12)
1-4	82	55	137
Rate*	26.35	18.49	22.51
95% C.I.	(20.65-32.06)	(13.60-23.37)	(18.74-26.28)
5-14	149	124	274
Rate*	19.40	17.08	18.34
95% C.I.	(16.28-22.51)	(14.08-20.09)	(16.17-20.51)
15-24	191	174	365
Rate*	24.78	24.35	24.57
95% C.I.	(21.27-28.30)	(20.73-27.96)	(22.05-27.09)
25-34	272	590	862
Rate*	33.46	78.91	55.23
95% C.I.	(29.48-37.43)	(72.54-85.28)	(51.54-58.92)
35-44	698	1,463	2,161
Rate*	81.31	183.67	130.57
95% C.I.	(75.27-87.34)	(174.26-193.08)	(125.07-136.08)
45-54	2,074	2,798	4,872
Rate*	288.01	399.21	342.86
95% C.I.	(275.62-300.41)	(384.42-414.00)	(333.23-352.48)
55-64	4,467	4,013	8,480
Rate*	879.28	771.04	824.51
95% C.I.	(853.50-905.07)	(747.18-794.90)	(806.96-842.06)
65-74	5,096	4,460	9,556
Rate*	1,501.67	1,279.84	1,389.28
95% C.I.	(1,460.44-1,542.90)	(1,242.28-1,317.40)	(1,361.43-1,417.14)
75-84	3,109	3,256	6,365
Rate*	1,753.91	1,514.57	1,622.73
95% C.I.	(1,692.26-1,815.56)	(1,462.54-1,566.59)	(1,582.87-1,662.60)
85+	586	765	1,351
Rate*	2,014.84	1,298.86	1,535.54
95% C.I.	(1,851.70-2,177.97)	(1,206.81-1,390.90)	(1,453.65-1,617.42)
Unknown	0	0	0
Total	16,736	17,712	34,449
Rate*	313.73	343.05	328.16
95% C.I.	(308.98-318.49)	(337.99-348.10)	(324.69-331.63)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 32. All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	716	283.0	(262.23-303.68)	240.5	(223.1-259.0)
Churchill	390	317.4	(285.87-348.87)	321.4	(290.1-355.6)
Clark	24,559	335.1	(330.95-339.34)	357.8	(353.2-362.4)
Douglas	589	274.8	(252.62-297.01)	218.5	(200.6-237.9)
Elko	277	121.7	(107.37-136.04)	208.9	(182.2-238.9)
Esmeralda	29	540.1	(343.52-736.66)	409.8	(273.2-592.8)
Eureka	31	407.3	(263.95-550.74)	457.0	(301.8-689.1)
Humboldt	197	243.1	(209.16-277.06)	282.8	(243.2-327.9)
Lander	71	251.3	(192.82-309.72)	313.3	(239.3-406.3)
Lincoln	61	333.2	(249.62-416.87)	268.7	(204.5-350.8)
Lyon	955	515.1	(482.46-547.81)	441.7	(413.8-471.2)
Mineral	115	472.0	(385.76-558.30)	338.5	(277.8-411.2)
Nye	756	446.0	(414.24-477.83)	310.9	(287.9-335.7)
Pershing	65	234.8	(177.72-291.88)	251.4	(193.5-322.8)
Storey	18	99.4	(53.48-145.31)	94.0	(44.8-203.2)
Washoe	5,509	315.3	(306.96-323.62)	342.5	(333.4-351.9)
White Pine	102	261.8	(210.96-312.56)	237.9	(167.2-381.5)
Unknown	9	---	---	---	---
Total	34,449	328.2	(324.69-331.63)	343.0	(339.3-346.7)

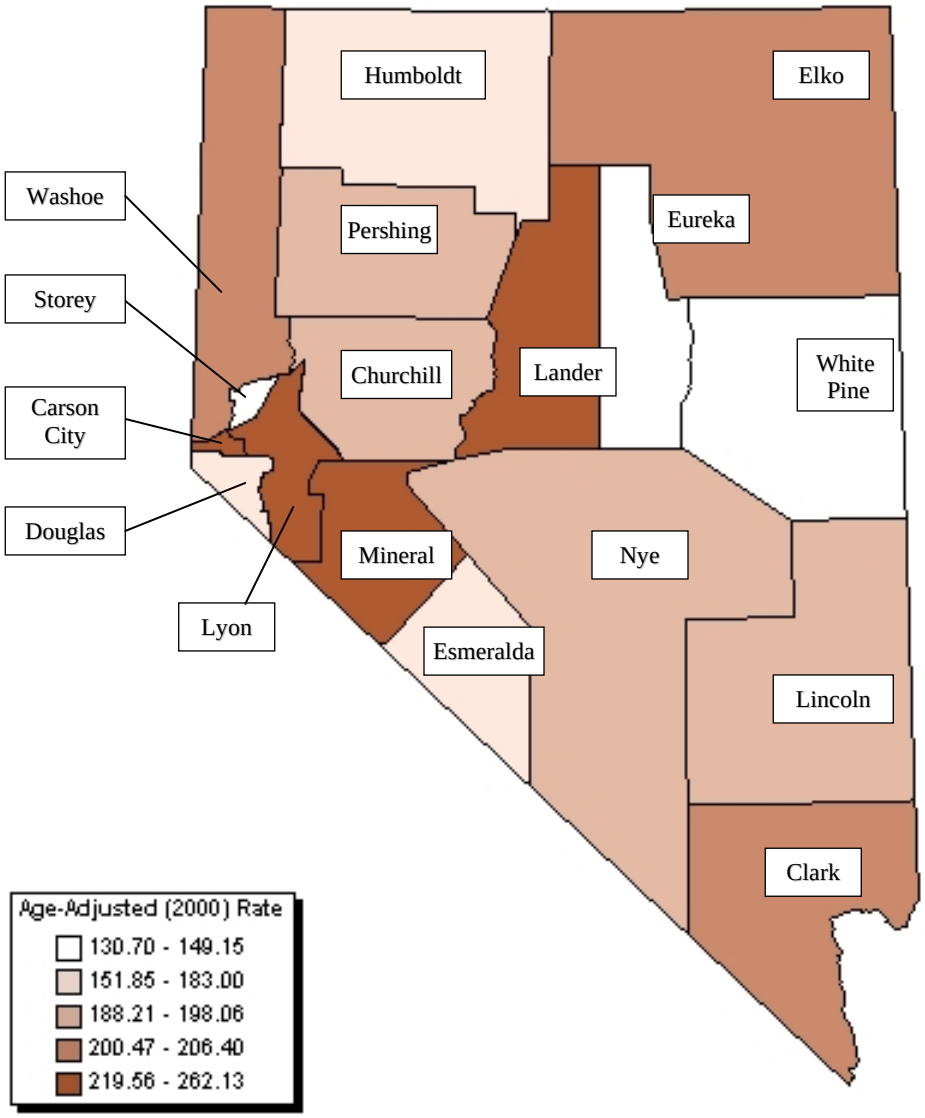
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 33. All Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	26	2,552,174	98,161	38,334	393	15.1	6.0
1-4	137	9,293,623	67,837	33,756	1,747	12.8	7.0
5-14	274	14,399,786	52,554	29,742	2,249	8.2	5.0
15-24	365	18,936,202	51,880	27,367	3,045	8.3	4.0
25-34	862	33,426,154	38,777	19,683	5,538	6.4	3.0
35-44	2,161	71,838,738	33,243	20,397	12,695	5.9	4.0
45-54	4,872	175,090,436	35,938	23,094	31,768	6.5	4.0
55-64	8,480	326,862,373	38,545	24,409	59,281	7.0	5.0
65-74	9,556	362,640,559	37,949	24,907	66,119	6.9	5.0
75-84	6,365	241,927,456	38,009	24,627	47,244	7.4	6.0
85+	1,351	47,731,406	35,330	21,893	10,116	7.5	6.0
Unknown	0	---	---	---	---	---	---
Total	34,449	1,304,698,907	37,873	24,010	240,195	7.0	5.0

MORTALITY

Figure 31. Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 32. Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

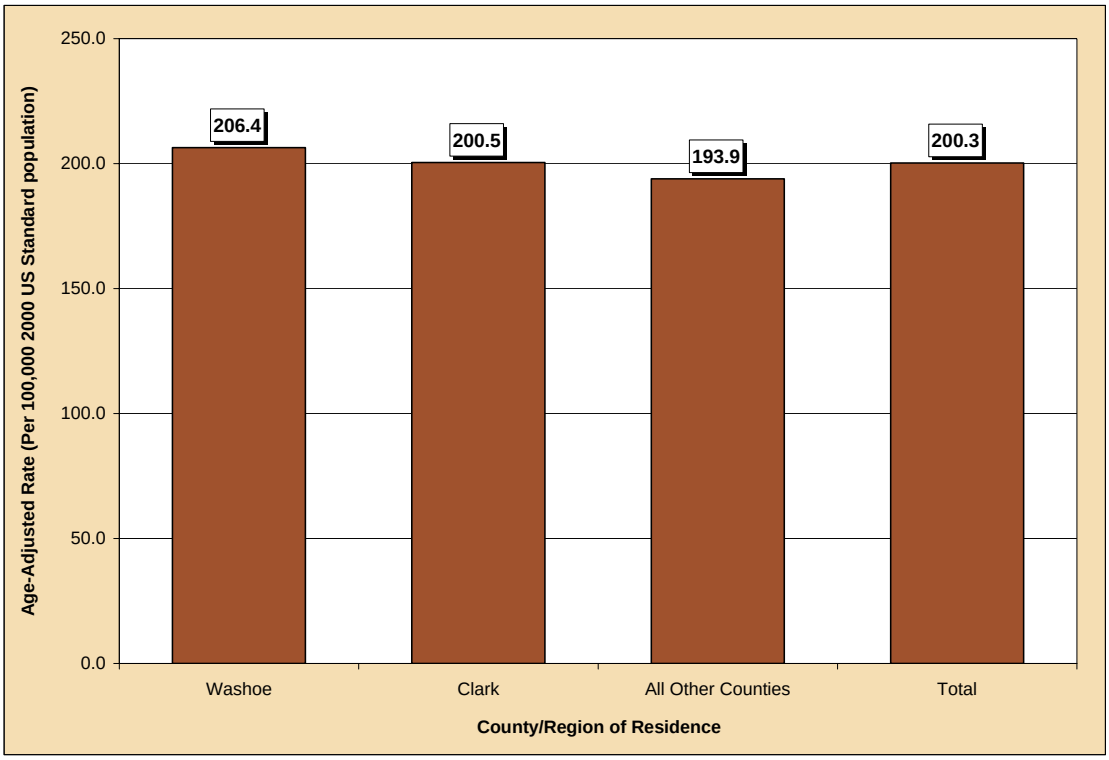


Figure 33. Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

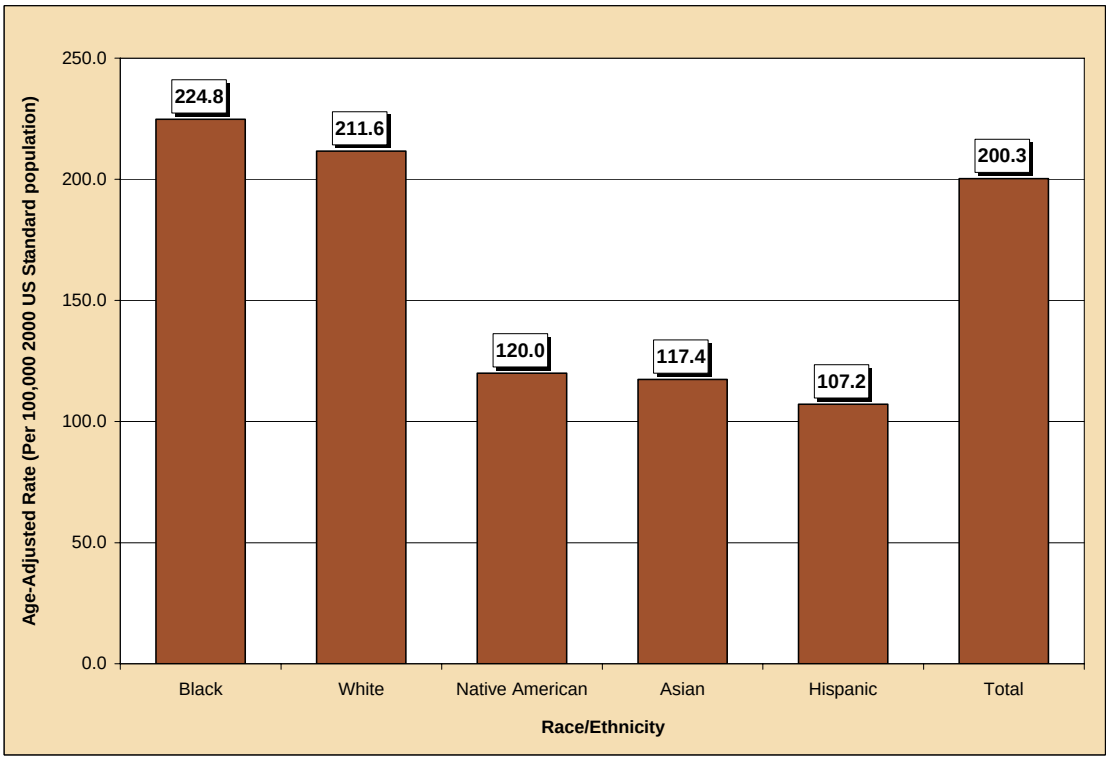


Table 34. All Cancers Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	18,821	12,771	3,111	2,939
Rate*	200.3	200.5	206.4	193.9
95% C.I.	(197.3-203.2)	(196.9-204.1)	(199.1-213.9)	(186.7-201.8)
Gender				
Male	10,227	6,933	1,616	1,678
Rate*	238.4	239.4	240.5	235.3
95% C.I.	(233.5-243.5)	(233.3-245.7)	(228.2-253.4)	(223.4-248.6)
Female	8,594	5,838	1,495	1,261
Rate*	171.4	171.7	182.4	158.5
95% C.I.	(167.8-175.1)	(167.3-176.3)	(173.3-192.0)	(149.8-167.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	16,488	10,850	2,844	2,794
Rate*	211.6	214.0	214.8	200.7
95% C.I.	(208.4-215.0)	(209.9-218.2)	(206.9-223.0)	(193.1-209.1)
Black	1,030	956	57	17
Rate*	224.8	225.0	252.2	193.0
95% C.I.	(210.3-240.3)	(209.8-241.3)	(188.0-332.7)	(111.2-314.4)
Native American	109	27	31	51
Rate*	120.0	78.7	185.7	129.6
95% C.I.	(97.4-146.9)	(50.1-120.3)	(123.1-272.2)	(95.6-173.2)
Asian	474	388	74	12
Rate*	117.4	115.9	151.3	70.9
95% C.I.	(104.7-131.9)	(101.6-132.7)	(111.7-204.8)	(35.2-131.4)
Hispanic	703	538	103	62
Rate*	107.2	108.4	108.0	107.8
95% C.I.	(97.9-117.3)	(97.6-120.5)	(85.2-137.7)	(76.1-162.5)
Other/Unknown	17	12	2	3

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 35. All Cancers Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	18,821	12,771	3,111	2,939
Rate*	200.3	200.5	206.4	193.9
95% C.I.	(197.3-203.2)	(196.9-204.1)	(199.1-213.9)	(186.7-201.8)
Age Group				
<1	5	3	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	12	8	2	2
Rate*	2.0	---	---	---
95% C.I.	(0.86-3.09)	---	---	---
5-14	24	18	5	1
Rate*	1.6	1.7	---	---
95% C.I.	(0.96-2.25)	(0.93-2.53)	---	---
15-24	53	38	7	8
Rate*	3.6	3.7	---	---
95% C.I.	(2.61-4.53)	(2.50-4.83)	---	---
25-34	123	99	14	10
Rate*	7.9	8.6	5.5	6.4
95% C.I.	(6.49-9.27)	(6.93-10.32)	(2.61-8.35)	(2.42-10.30)
35-44	488	355	78	55
Rate*	29.5	30.9	27.5	24.8
95% C.I.	(26.87-32.10)	(27.67-34.09)	(21.38-33.58)	(18.26-31.37)
45-54	1,671	1,178	293	200
Rate*	117.6	123.7	115.8	92.7
95% C.I.	(111.95-123.23)	(116.65-130.78)	(102.51-129.03)	(79.86-105.56)
55-64	3,698	2,537	572	589
Rate*	359.6	359.7	348.0	371.0
95% C.I.	(347.97-371.14)	(345.68-373.67)	(319.47-376.50)	(341.02-400.95)
65-74	5,635	3,831	908	896
Rate*	819.2	813.0	869.4	798.8
95% C.I.	(797.84-840.63)	(787.24-838.73)	(812.86-925.97)	(746.48-851.09)
75-84	5,360	3,600	881	879
Rate*	1,366.5	1,356.5	1,432.8	1,344.9
95% C.I.	(1,329.93-1,403.09)	(1,312.17-1,400.79)	(1,338.17-1,527.40)	(1,255.98-1,433.80)
85+	1,752	1,104	351	297
Rate*	1,991.3	1,984.9	2,112.7	1,886.0
95% C.I.	(1,898.07-2,084.56)	(1,867.80-2,101.97)	(1,891.65-2,333.69)	(1,671.49-2,100.47)
Unknown	3	2	1	0

Note: The "---" is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 36. Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	685	270.7	(250.43-290.97)	226.9	(210.1-244.8)
Churchill	221	179.8	(156.13-203.55)	188.2	(164.0-215.3)
Clark	12,771	174.3	(171.26-177.30)	200.5	(196.9-204.1)
Douglas	389	181.5	(163.46-199.54)	151.9	(136.5-168.8)
Elko	239	105.0	(91.70-118.32)	203.6	(174.9-242.0)
Esmeralda	11	204.9	(83.80-325.93)	162.9	(79.5-305.7)
Eureka	10	131.4	(49.96-212.84)	130.7	(61.3-249.3)
Humboldt	116	143.2	(117.10-169.20)	183.0	(150.0-221.9)
Lander	49	173.4	(124.86-221.97)	262.1	(189.3-355.7)
Lincoln	45	245.8	(174.01-317.66)	188.7	(137.0-258.2)
Lyon	461	248.7	(225.97-271.37)	219.6	(199.2-244.3)
Mineral	84	344.8	(271.05-418.52)	245.3	(194.5-308.2)
Nye	477	281.4	(256.17-306.69)	198.1	(179.6-218.5)
Pershing	46	166.2	(118.15-214.19)	192.1	(140.2-258.1)
Storey	26	143.6	(88.38-198.76)	132.1	(75.2-245.2)
Washoe	3,111	178.0	(171.79-184.30)	206.4	(199.1-213.9)
White Pine	80	205.3	(160.31-250.29)	149.2	(118.0-187.6)
Unknown	0	0.0	---	0.0	---
Total	18,821	179.3	(176.73-181.85)	200.3	(197.3-203.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 37. Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	9,035	7,453	0	16,488
	Rate*	251.0	181.4	---	211.6
	95% C.I.	(245.5-256.6)	(177.2-185.6)	---	(208.4-215.0)
Black	Incidence	530	500	0	1,030
	Rate*	261.4	200.1	---	224.8
	95% C.I.	(236.0-289.9)	(182.3-219.5)	---	(210.3-240.3)
Native American	Incidence	60	49	0	109
	Rate*	159.3	95.0	---	120.0
	95% C.I.	(117.5-214.5)	(69.5-127.5)	---	(97.4-146.9)
Asian	Incidence	214	260	0	474
	Rate*	126.4	110.2	---	117.4
	95% C.I.	(106.6-150.9)	(94.2-129.4)	---	(104.7-131.9)
Hispanic	Incidence	381	322	0	703
	Rate*	133.8	88.9	---	107.2
	95% C.I.	(116.7-153.5)	(78.2-101.1)	---	(97.9-117.3)
Other/Unknown		7	10	0	17
Total	Incidence	10,227	8,594	0	18,821
	Rate*	238.4	171.4	---	200.3
	95% C.I.	(233.5-243.5)	(167.8-175.1)	---	(197.3-203.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 38. Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	4	1	5
Rate*	---	---	---
95% C.I.	---	---	---
1-4	9	3	12
Rate*	---	---	1.97
95% C.I.	---	---	(0.86-3.09)
5-14	10	14	24
Rate*	1.30	1.93	1.61
95% C.I.	(0.50-2.11)	(0.92-2.94)	(0.96-2.25)
15-24	34	19	53
Rate*	4.41	2.66	3.57
95% C.I.	(2.93-5.89)	(1.46-3.85)	(2.61-4.53)
25-34	62	61	123
Rate*	7.63	8.16	7.88
95% C.I.	(5.73-9.52)	(6.11-10.21)	(6.49-9.27)
35-44	215	273	488
Rate*	25.04	34.27	29.49
95% C.I.	(21.70-28.39)	(30.21-38.34)	(26.87-32.10)
45-54	824	847	1,671
Rate*	114.43	120.85	117.59
95% C.I.	(106.61-122.24)	(112.71-128.99)	(111.95-123.23)
55-64	2,084	1,614	3,698
Rate*	410.21	310.11	359.55
95% C.I.	(392.60-427.83)	(294.98-325.24)	(347.97-371.14)
65-74	3,242	2,393	5,635
Rate*	955.34	686.70	819.24
95% C.I.	(922.45-988.22)	(659.18-714.21)	(797.84-840.63)
75-84	2,914	2,446	5,360
Rate*	1,643.90	1,137.79	1,366.51
95% C.I.	(1,584.22-1,703.59)	(1,092.69-1,182.88)	(1,329.93-1,403.09)
85+	829	923	1,752
Rate*	2,850.34	1,567.12	1,991.31
95% C.I.	(2,656.31-3,044.37)	(1,466.01-1,668.22)	(1,898.07-2,084.56)
Unknown	2	1	3
Total	10,227	8,594	18,821
Rate*	191.72	166.45	179.29
95% C.I.	(188.00-195.43)	(162.93-169.97)	(176.73-181.85)

Note: The "---" is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 39. Median Age at Death from All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	9,035	71.0	7,453	72.0	16,488	71.0
Black	530	67.0	500	67.0	1,030	67.0
Native American	60	70.5	49	68.0	109	70.0
Asian	214	66.0	260	64.0	474	65.0
Hispanic	381	65.0	322	65.0	703	65.0
Other/Unknown	7	65.0	10	66.0	17	65.0
Total	10,227	71.0	8,594	71.0	18,821	71.0

Note: Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 34. Survival Rates for All Cancers by Race/Ethnicity, Nevada Residents, 1999-2003

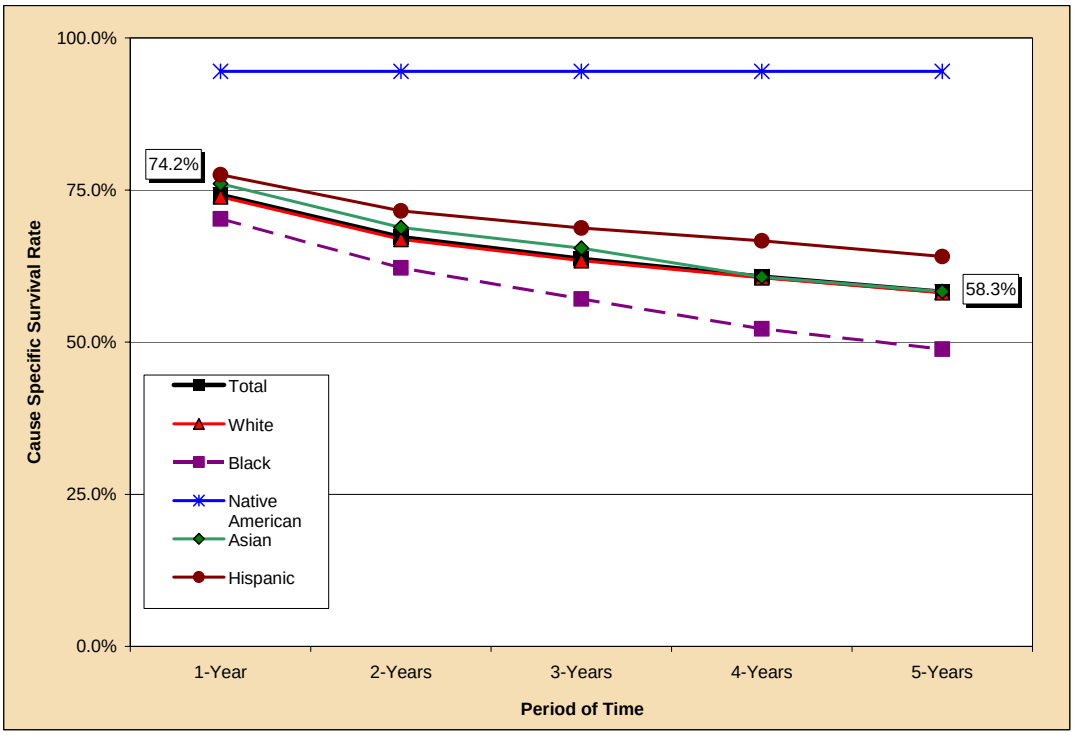


Figure 35. Survival Rates for All Cancers by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

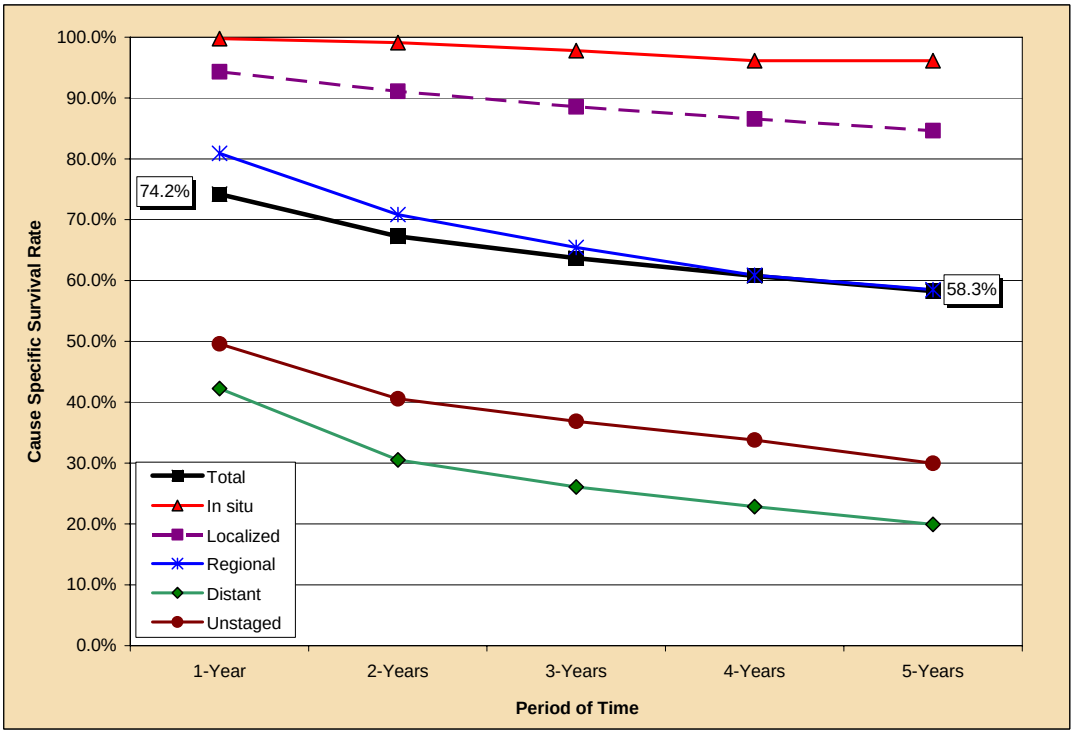


Table 40. Cause-Specific Survival Rates for All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	39,820	74.2%	67.3%	63.7%	60.8%	58.3%	> 5 YEARS
Male	20,850	72.1%	64.9%	61.4%	58.7%	56.4%	> 5 YEARS
Female	18,967	76.5%	69.9%	66.2%	63.1%	60.4%	> 5 YEARS
Race/Ethnicity							
White	34,110	73.9%	66.9%	63.4%	60.6%	58.1%	> 5 YEARS
Male	17,946	71.8%	64.4%	60.9%	58.3%	56.1%	> 5 YEARS
Female	16,161	76.2%	69.7%	66.1%	63.2%	60.4%	> 5 YEARS
Black	2,003	70.3%	62.2%	57.1%	52.2%	48.9%	4.66
Male	1,060	69.9%	63.4%	58.7%	55.5%	52.2%	> 5 YEARS
Female	943	70.7%	60.8%	55.2%	48.4%	45.0%	3.76
Native American	61	94.5%	94.5%	94.5%	94.5%	94.5%	> 5 YEARS
Male	23	---	---	---	---	---	.
Female	38	---	---	---	---	---	.
Asian	1,164	76.1%	68.8%	65.4%	60.7%	58.3%	> 5 YEARS
Male	460	69.8%	62.0%	59.5%	53.7%	50.4%	> 5 YEARS
Female	704	80.2%	73.3%	69.4%	65.2%	63.4%	> 5 YEARS
Hispanic	1,866	77.5%	71.6%	68.8%	66.6%	64.1%	> 5 YEARS
Male	990	74.8%	68.0%	66.0%	64.6%	59.9%	> 5 YEARS
Female	876	80.7%	75.6%	72.0%	68.9%	68.9%	> 5 YEARS

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 41. Cause-Specific Survival Rates for All Cancers by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	39,820	20,850	18,967
	One Year	74.2%	72.1%	76.5%
	5 Years	58.3%	56.4%	60.4%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	1,804	550	1,254
	One Year	99.8%	99.6%	99.8%
	5 Years	96.1%	93.3%	97.2%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Localized	Cases	16,437	9,184	7,253
	One Year	94.3%	93.7%	95.1%
	5 Years	84.6%	83.7%	85.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	7,212	3,240	3,971
	One Year	80.9%	76.9%	84.2%
	5 Years	58.5%	53.4%	62.7%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Distant	Cases	7,279	3,993	3,285
	One Year	42.2%	39.9%	45.2%
	5 Years	19.9%	19.2%	20.8%
	Median Survival	0.87	0.83	0.91
Unstaged	Cases	7,088	3,883	3,204
	One Year	49.6%	49.0%	50.4%
	5 Years	30.0%	31.0%	28.6%
	Median Survival	0.99	0.98	1.04

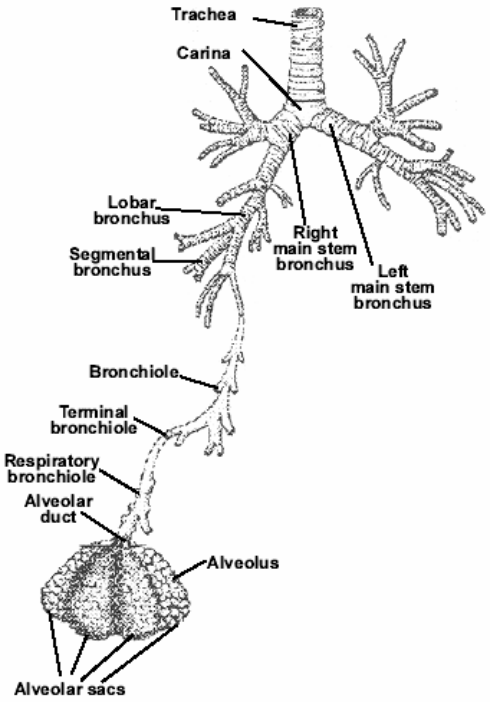
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LUNG AND BRONCHUS CANCER

LUNG AND BRONCHUS CANCER

GENERAL PROFILE[4]

Figure 36. Anatomy of the Respiratory Tract[5]



General Anatomy: The lungs, a pair of sponge-like, cone-shaped organs, are part of the respiratory system. The right lung has three sections, called lobes; it is a little larger than the left lung, which has two lobes. When we breathe in, the lungs take in oxygen, which our cells need to live and carry out their normal functions. When we breathe out, the lungs get rid of carbon dioxide, which is a waste product of the body's cells.

Risk Factors: Smoking is the most prevalent risk factor in determining risk for Lung and Bronchus Cancer. Exposure to radon, asbestos, pollution, certain lung diseases, such as tuberculosis, and personal family history are all also important risk factors.

Signs and Symptoms: Common signs and symptoms include: a cough that doesn't go away and gets worse over time, constant chest pain, coughing up blood, shortness of breath, wheezing or hoarseness, repeated problems with pneumonia or bronchitis, swelling of the neck and face, loss of appetite or weight loss, and fatigue.

Diagnosing the Cancer: The most common ways of diagnosing Lung and Bronchus Cancer are: brochoscopy, needle aspiration, thoracentesis, thoracotomy.

Treatment: Treatment options include: surgery, chemotherapy, radiation therapy, and photodynamic therapy.

HIGHLIGHTS

- Nevadan females had a higher ratio than males when the incidence and mortality age-adjusted rates for Lung and Bronchus Cancer were compared. Females had a ratio of 1.37 while the ratio for males was 1.25. This means that for every 100 deaths due to Lung and Bronchus Cancer there would be 137 female cases while only 125 cases for every male death.

- The median age at diagnosis of Lung and Bronchus Cancer for Nevada residents, both male and female was 69 years of age from 1999 to 2003. The median age at time of death due to Lung and Bronchus Cancer was 70 years for Nevada residents, both male and female, during this same period.

INCIDENCE

- There were 7,840 cases of Lung and Bronchus Cancer reported in Nevada from 1999 to 2003, which was the highest of any type of cancer during this period. Clark County had a statistically significant higher incidence rate of Lung and Bronchus Cancer (82.7) during this period, with both Washoe County and All Other Counties, as a region having slightly lower rates of 73.7 and 73.4, respectively. Furthermore, Nevada, as a whole, as well as its three regions had statistically significant higher rates than the national rate of 61.0 (per 100,000 – 2000 US Standard population).

- Whites and Blacks, as racial/ethnic groups, accounted for 94.6% of all reported Lung and Bronchus Cancer cases during the 1999 to 2003 period. Their higher age-adjusted incidence rates, 86.3 and 79.4 respectively, showed statistical significance over Asians, Hispanics and Native Americans who had age-adjusted incidence rates of 39.9, 31.3 and 2.4 (per 100,000 – 2000 US Standard population), respectively, during this same period.

- The higher age-adjusted incidence rate [90.9,C.I. (88.0-93.90] for males was statistically significant at the 95% CL over the rate for females, [70.6, C.I. (68.3-73.0)], during the 1999 to 2003 period for Lung and Bronchus Cancer. However, both had statistically significant higher rates when compared to their national counterparts. The percentage point difference was considerably more for females who were 43.8% greater than the national rate, 49.1 (48.6-49.5), while the percentage point difference for Males was still a considerable 14.9% over the national rate, 79.1 (78.4-79.7), during this period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for over 194.4 million dollars from 1999 to 2003. Nevadans in the 55-64 and 65-74 age groups accounted for 65.6% of the total charges during this period. The overall daily billed amount for these discharges was approximately $4,999 in Nevada during this period.

- There were 4,883 Inpatient Discharges for Lung and Bronchus Cancer to Nevada residents in Nevada from 1999 to 2003. Clark County (51.9) had the highest age-adjusted

inpatient discharge rate for Lung and Bronchus Cancer in Nevada, and showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 48.5, 43.7 and 39.3 (per 100,000 – 2000 US Standard population), respectively.

- The median total billed charges in Nevada for inpatient discharges due to Lung and Bronchus Cancer from 1999 to 2003 was $29,763. Clark County had the highest median total billed charge, $31,836, when compared to the amounts for Washoe County and All Other Counties of $24,939 and $23,085.

MORTALITY

- There were 5,895 resident deaths due to Lung and Bronchus Cancer from 1999 to 2003. Clark County had a higher age-adjusted mortality rate (61.5) than Washoe County (60.2) and All Other Counties, as a region, (59.8) during the 1999 to 2003 period.

- Nevadan males had a 40.2% higher statistically significant age-adjusted mortality rate 72.5 for Lung and Bronchus Cancer when compared to the female rate of 51.7 (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.

- Whites and Blacks, as racial/ethnic groups, accounted for 95.6% of all reported Lung and Bronchus Cancer mortality cases during the 1999 to 2003 period. Their higher age-adjusted mortality rates, 66.4 and 60.3 respectively, showed statistical significance over Native Americans, Asians, and Hispanics who had age-adjusted incidence rates of 26.2, 25.9 and 20.1 (per 100,000 – 2000 US Standard population), respectively, during this same period.

SURVIVAL RATE

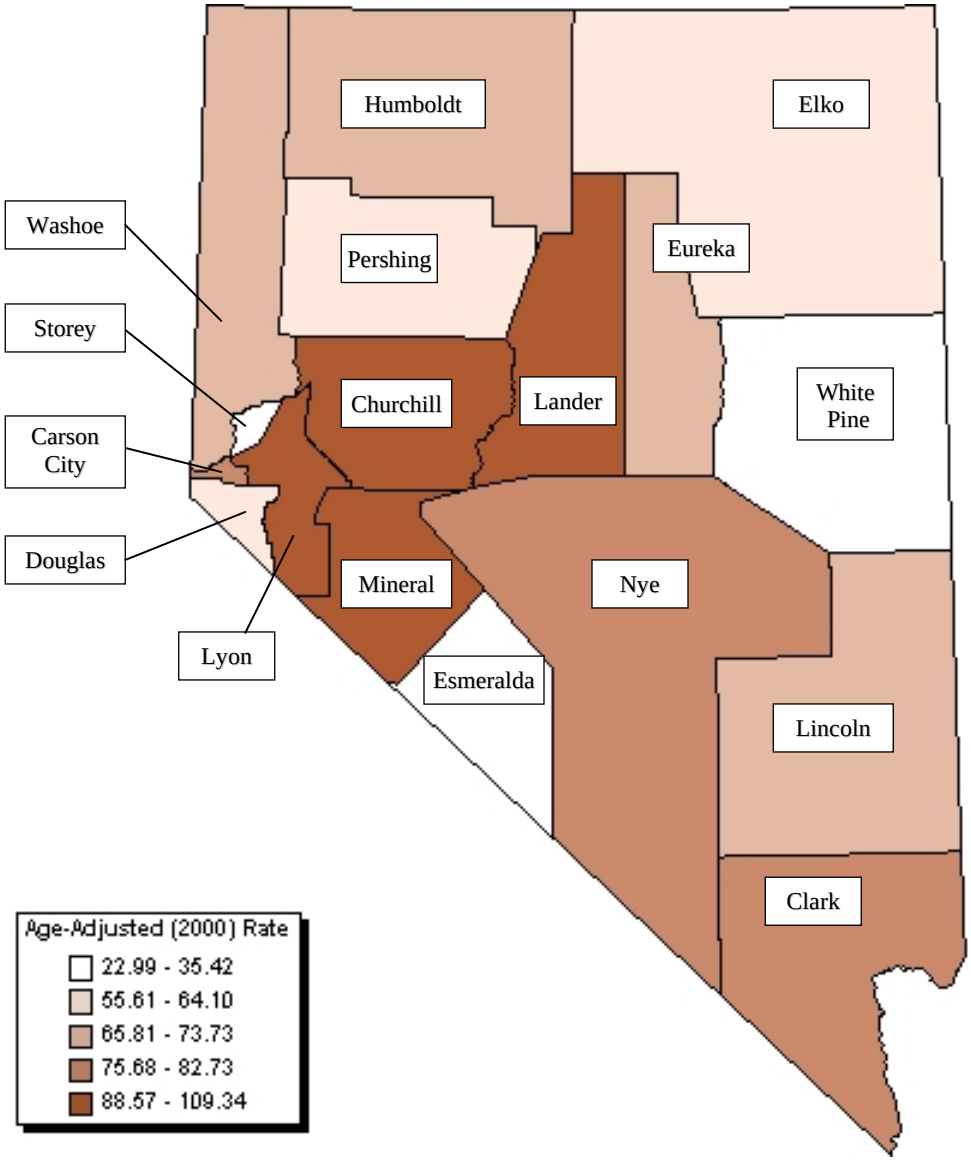
- Females had a higher one-year survival rate (44.0%) than males (38.0%) for Lung and Bronchus Cancer in Nevada from 1999 to 2003. This trend was similar for the median survival time with females and males at 0.89 and 0.81 years, respectively. However, the difference decreased by the five-year survival rate where females only had a slightly higher rate at 19.5% with males at 17.5% during this period.

- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (51.7%), while Hispanics had the highest five-year survival rate (29.4%) of those groups that had a rate calculated for Nevada from 1999 to 2003.

- The Lung and Bronchus Cancer Survival Rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 78.1% and 50.9%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 54.7% and 23.1% for the one year period and 22.5% and 7.8% for the five year period.

INCIDENCE

Figure 37. Lung and Bronchus Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 38. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

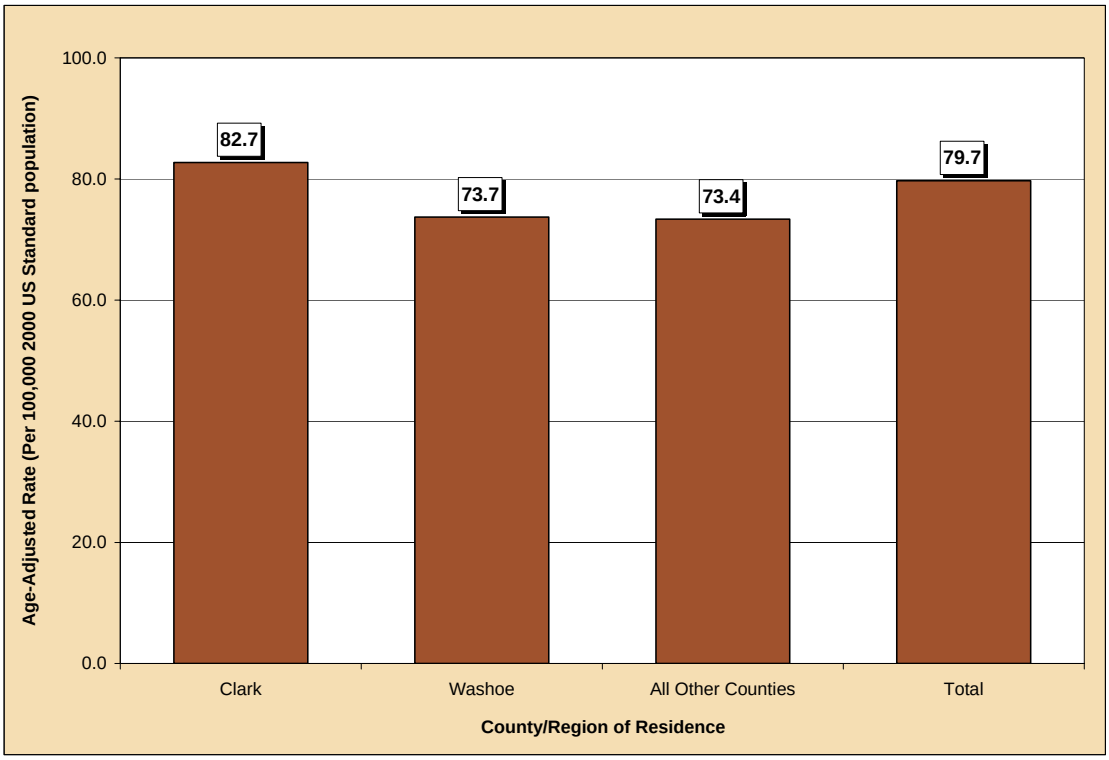


Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

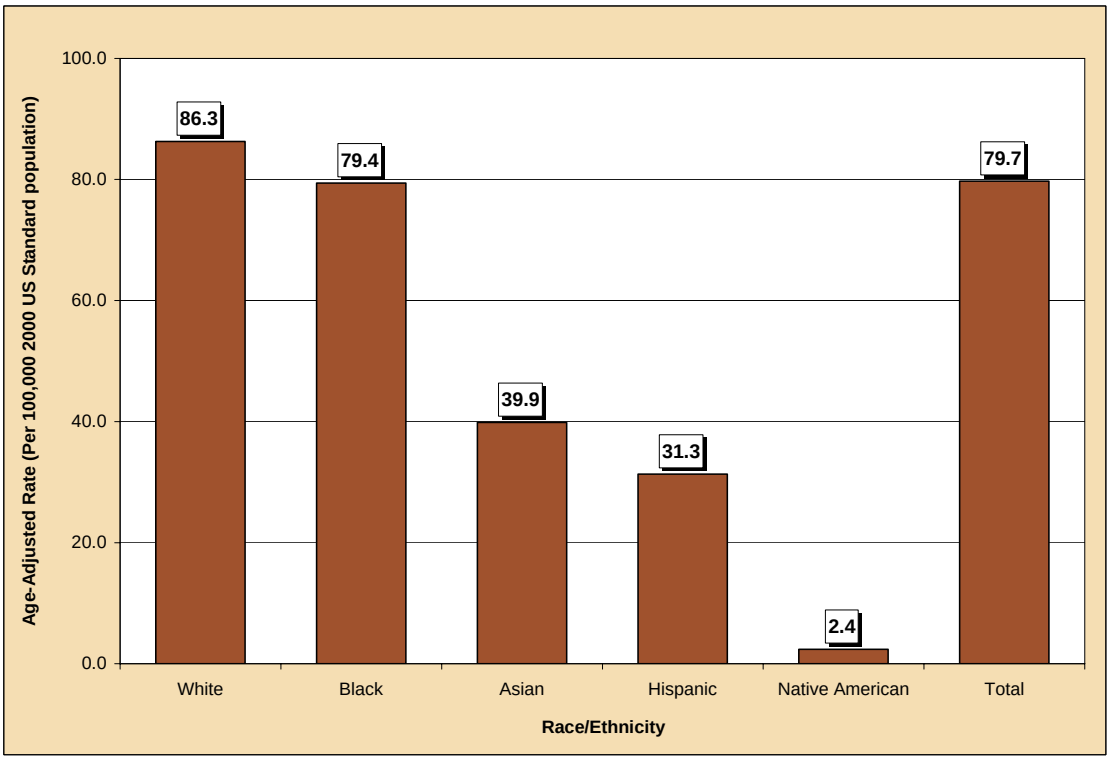


Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,840	5,512	1,154	1,174	0	106,080
Rate*	79.7	79.7	79.7	79.7	---	61.0
95% C.I.	(77.9-81.5)	(77.9-81.5)	(77.9-81.5)	(77.9-81.5)	---	(60.7-61.4)
Gender						
Male	4,189	4,189	4,189	4,189	0	58,050
Rate*	90.9	90.9	90.9	90.9	---	79.1
95% C.I.	(88.0-93.9)	(88.0-93.9)	(88.0-93.9)	(88.0-93.9)	---	(78.4-79.7)
Female	3,651	3,651	3,651	3,651	0	47,013
Rate*	70.6	70.6	70.6	70.6	---	49.1
95% C.I.	(68.3-73.0)	(68.3-73.0)	(68.3-73.0)	(68.3-73.0)	---	(48.6-49.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	7,024	4,814	1,067	1,143	0	86,163
Rate*	86.3	86.3	86.3	86.3	---	62.4
95% C.I.	(84.3-88.4)	(84.3-88.4)	(84.3-88.4)	(84.3-88.4)	---	(62.0-62.8)
Black	390	360	26	4	0	11,314
Rate*	79.4	79.4	79.4	---	---	79.8
95% C.I.	(71.4-88.3)	(71.4-88.3)	(71.4-88.3)	---	---	(78.4-81.4)
Native American	3	1	2	0	0	467
Rate*	---	---	---	---	---	33.1
95% C.I.	---	---	---	---	---	(30.1-30.1)
Asian	177	144	29	4	0	7,156
Rate*	39.9	39.9	39.9	---	---	42.4
95% C.I.	(33.4-48.1)	(33.4-48.1)	(33.4-48.1)	---	---	(41.4-43.4)
Hispanic	198	162	23	13	0	4,919
Rate*	31.3	31.3	31.3	31.3	---	32.2
95% C.I.	(26.5-37.1)	(26.5-37.1)	(26.5-37.1)	(26.5-37.1)	---	(31.3-33.2)
Other/Unknown	48	31	7	10	0	198

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 43. Lung and Bronchus Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,840	5,512	1,154	1,174	0	106,080
Rate*	79.7	82.7	73.7	73.4	---	61.0
95% C.I.	(77.9-81.5)	(80.5-85.0)	(69.5-78.2)	(69.2-77.8)	---	(60.7-61.4)
Age Group						
<1	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.3)
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
15-24	4	3	1	0	0	58
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.2-0.3)
25-34	10	9	1	0	0	264
Rate*	0.6	---	---	---	---	0.9
95% C.I.	(0.24-1.04)	---	---	---	---	(0.8-1.0)
35-44	113	82	16	15	0	2,283
Rate*	6.8	7.1	5.6	6.8	---	7.3
95% C.I.	(5.57-8.09)	(5.59-8.68)	(2.87-8.40)	(3.34-10.19)	---	(7.0-7.6)
45-54	619	445	111	63	0	9,395
Rate*	43.6	46.7	43.9	29.2	---	36.4
95% C.I.	(40.13-46.99)	(42.39-51.08)	(35.70-52.02)	(21.99-36.42)	---	(35.7-37.1)
55-64	1,896	1,331	264	301	0	22,007
Rate*	184.4	188.7	160.6	189.6	---	139.9
95% C.I.	(176.05-192.65)	(178.56-198.84)	(141.23-179.98)	(168.17-211.01)	---	(138.1-141.8)
65-74	2,848	2,005	404	439	0	35,148
Rate*	414.1	425.5	386.8	391.4	---	317.3
95% C.I.	(398.84-429.26)	(406.86-444.11)	(349.11-424.55)	(354.76-427.98)	---	(314.0-320.7)
75-84	1,976	1,373	298	305	0	29,635
Rate*	503.8	517.4	484.6	466.7	---	388.2
95% C.I.	(481.56-525.99)	(489.98-544.71)	(429.62-539.67)	(414.29-519.03)	---	(383.8-392.6)
85+	374	264	59	51	0	7,278
Rate*	425.1	474.7	355.1	323.9	---	271.7
95% C.I.	(382.00-468.17)	(417.39-531.90)	(264.50-445.74)	(234.97-412.74)	---	(265.5-278.0)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 44. Lung and Bronchus Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	232	91.7	(79.88-103.48)	75.7	(66.2-86.2)
Churchill	113	92.0	(75.00-108.91)	94.7	(77.9-114.4)
Clark	5,512	75.2	(73.23-77.21)	82.7	(80.5-85.0)
Douglas	167	77.9	(66.10-89.74)	61.5	(52.2-72.2)
Elko	73	32.1	(24.72-39.43)	55.6	(42.6-72.1)
Esmeralda	2	---	---	---	---
Eureka	6	---	---	---	---
Humboldt	46	56.8	(40.36-73.17)	67.8	(49.0-92.6)
Lander	19	67.2	(37.01-97.48)	96.5	(55.7-158.6)
Lincoln	18	98.3	(52.91-143.76)	73.0	(43.0-118.8)
Lyon	200	107.9	(92.93-122.83)	88.6	(76.6-102.1)
Mineral	40	164.2	(113.30-215.06)	109.3	(77.6-153.1)
Nye	218	128.6	(111.55-145.69)	82.1	(71.2-94.8)
Pershing	16	57.8	(29.48-86.12)	64.1	(36.5-106.1)
Storey	5	---	---	---	---
Washoe	1,154	66.0	(62.23-69.86)	73.7	(69.5-78.2)
White Pine	19	48.8	(26.83-70.68)	35.4	(21.3-55.6)
Unknown	0	---	---	---	---
Total	7,840	74.7	(73.03-76.34)	79.7	(77.9-81.5)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	3,723	3,301	0	7,024
	Rate*	96.6	78.0	---	86.3
	95% C.I.	(93.4-99.9)	(75.4-80.7)	---	(84.3-88.4)
Black	Incidence	219	171	0	390
	Rate*	93.4	66.6	---	79.4
	95% C.I.	(80.7-109.0)	(56.7-78.0)	---	(71.4-88.3)
Native American	Incidence	1	2	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	98	79	0	177
	Rate*	57.2	27.5	---	39.9
	95% C.I.	(44.7-74.4)	(21.1-36.9)	---	(33.4-48.1)
Hispanic	Incidence	120	78	0	198
	Rate*	39.6	24.2	---	31.3
	95% C.I.	(31.3-50.6)	(18.7-31.4)	---	(26.5-37.1)
Other/Unknown		28	20	0	48
Total	Incidence	4,189	3,651	0	7,840
	Rate*	90.9	70.6	---	79.7
	95% C.I.	(88.0-93.9)	(68.3-73.0)	---	(77.9-81.5)

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	2	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	3	0	10
Rate*	---	---	---	0.64
95% C.I.	---	---	---	(0.24-1.04)
35-44	64	49	0	113
Rate*	7.46	6.15	---	6.83
95% C.I.	(5.63-9.28)	(4.43-7.87)	---	(5.57-8.09)
45-54	312	307	0	619
Rate*	43.33	43.80	---	43.56
95% C.I.	(38.52-48.13)	(38.90-48.70)	---	(40.13-46.99)
55-64	986	910	0	1,896
Rate*	194.08	174.84	---	184.35
95% C.I.	(181.97-206.20)	(163.48-186.20)	---	(176.05-192.65)
65-74	1,616	1,232	0	2,848
Rate*	476.20	353.53	---	414.05
95% C.I.	(452.98-499.41)	(333.79-373.28)	---	(398.84-429.26)
75-84	1,027	949	0	1,976
Rate*	579.37	441.44	---	503.77
95% C.I.	(543.94-614.81)	(413.35-469.52)	---	(481.56-525.99)
85+	175	199	0	374
Rate*	601.70	337.87	---	425.09
95% C.I.	(512.55-690.85)	(290.93-384.82)	---	(382.00-468.17)
Unknown	0	0	0	0
Total	4,189	3,651	0	7,840
Rate*	78.53	70.71	---	74.68
95% C.I.	(76.15-80.91)	(68.42-73.01)	---	(73.03-76.34)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 47. Lung and Bronchus Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	---	1	2	1	0	4
	Percent	---	25.0%	50.0%	25.0%	---	100.0%
25-34	Number	---	2	1	4	3	10
	Percent	---	20.0%	10.0%	40.0%	30.0%	100.0%
35-44	Number	---	17	23	55	18	113
	Percent	---	15.0%	20.4%	48.7%	15.9%	100.0%
45-54	Number	---	74	124	295	126	619
	Percent	---	12.0%	20.0%	47.7%	20.4%	100.0%
55-64	Number	---	268	365	803	460	1,896
	Percent	---	14.1%	19.3%	42.4%	24.3%	100.0%
65-74	Number	---	494	584	913	857	2,848
	Percent	---	17.3%	20.5%	32.1%	30.1%	100.0%
75-84	Number	---	346	367	592	671	1,976
	Percent	---	17.5%	18.6%	30.0%	34.0%	100.0%
85+	Number	---	38	49	96	191	374
	Percent	---	10.2%	13.1%	25.7%	51.1%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	1,240	1,515	2,759	2,326	7,840
	Percent	---	15.8%	19.3%	35.2%	29.7%	100.0%

Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	1,123	59	0	26	22	10	1,240
	Percent	16.0%	15.1%	---	14.7%	11.1%	20.8%	15.8%
Regional	Number	1,377	69	1	27	33	8	1,515
	Percent	19.6%	17.7%	33.3%	15.3%	16.7%	16.7%	19.3%
Distant	Number	2,434	142	2	75	90	16	2,759
	Percent	34.7%	36.4%	66.7%	42.4%	45.5%	33.3%	35.2%
Unstaged	Number	2,090	120	0	49	53	14	2,326
	Percent	29.8%	30.8%	---	27.7%	26.8%	29.2%	29.7%
Total	Number	7,024	390	3	177	198	48	7,840
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

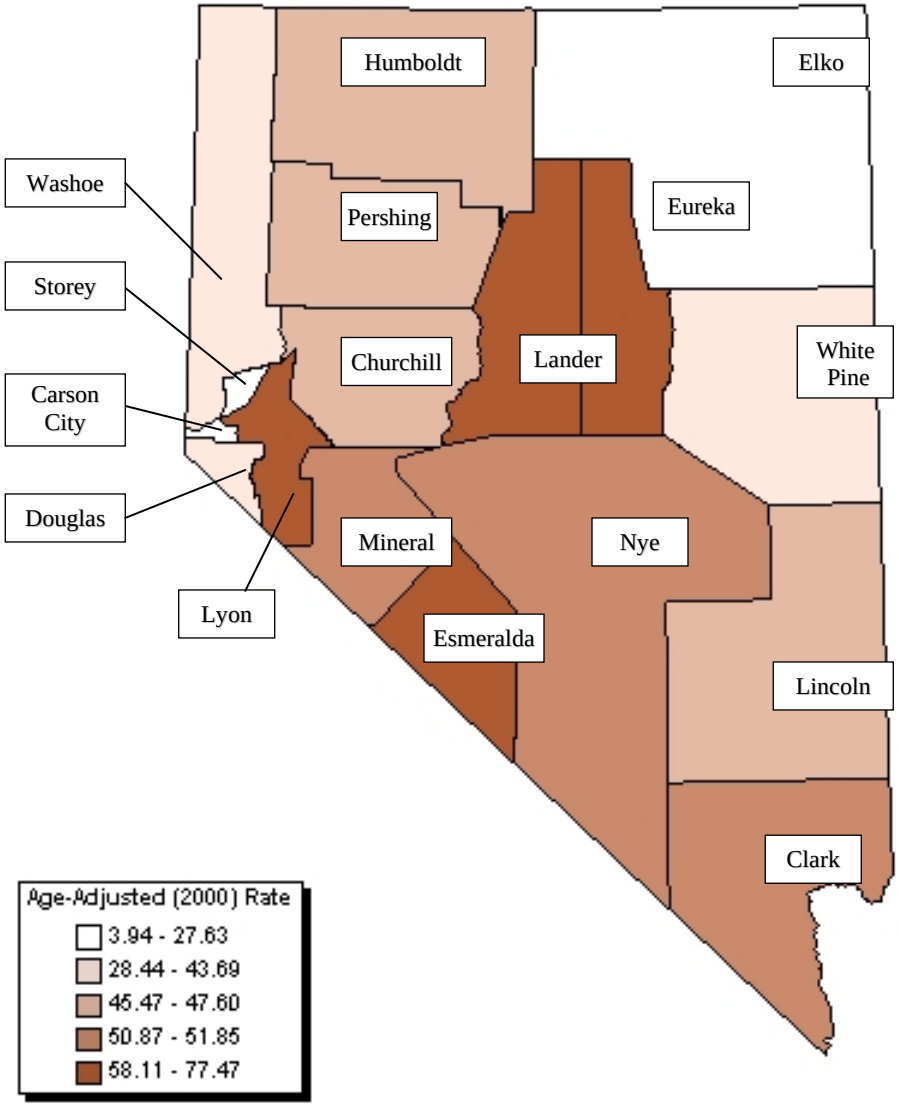
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	3,723	69.0	3,301	69.0	7,024	69.0
Black	219	66.0	171	67.0	390	67.0
Native American	1	---	2	---	3	---
Asian	98	69.0	79	63.0	177	66.0
Hispanic	120	65.0	78	71.0	198	67.0
Other/Unknown	28	67.0	20	68.0	48	67.0
Total	4,189	69.0	3,651	69.0	7,840	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 40. Lung and Bronchus Cancer Age-Adjusted (2000) Inpatient Hospital Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

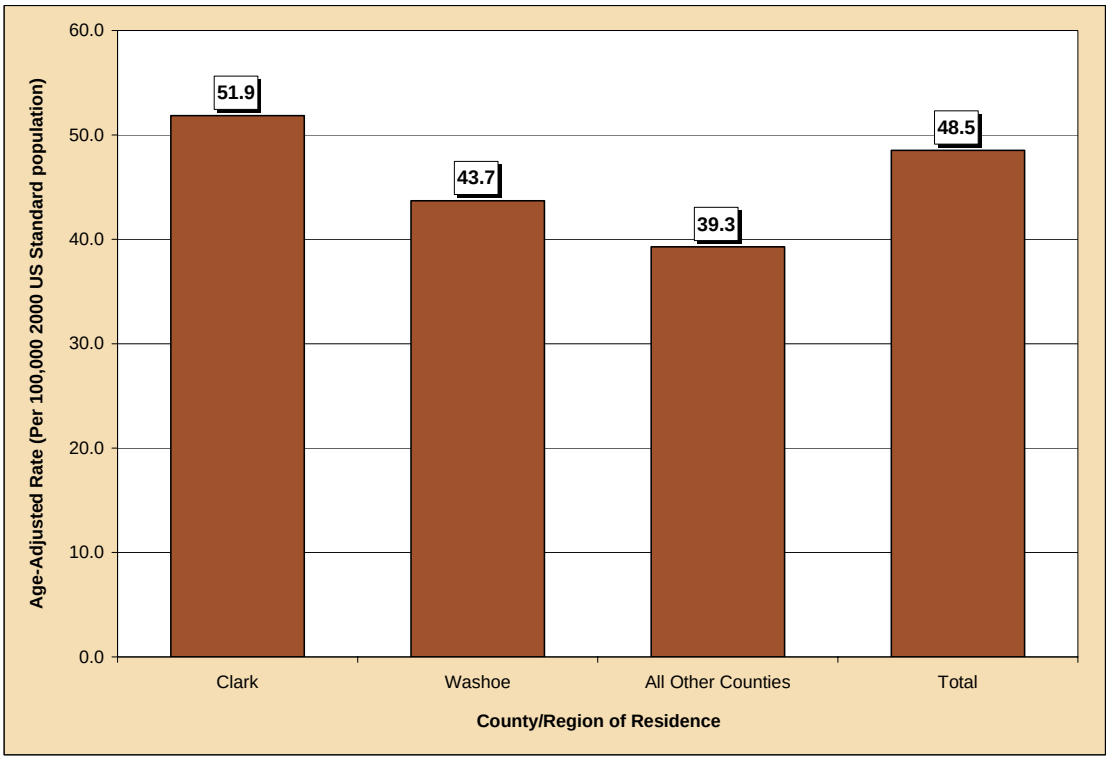


Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

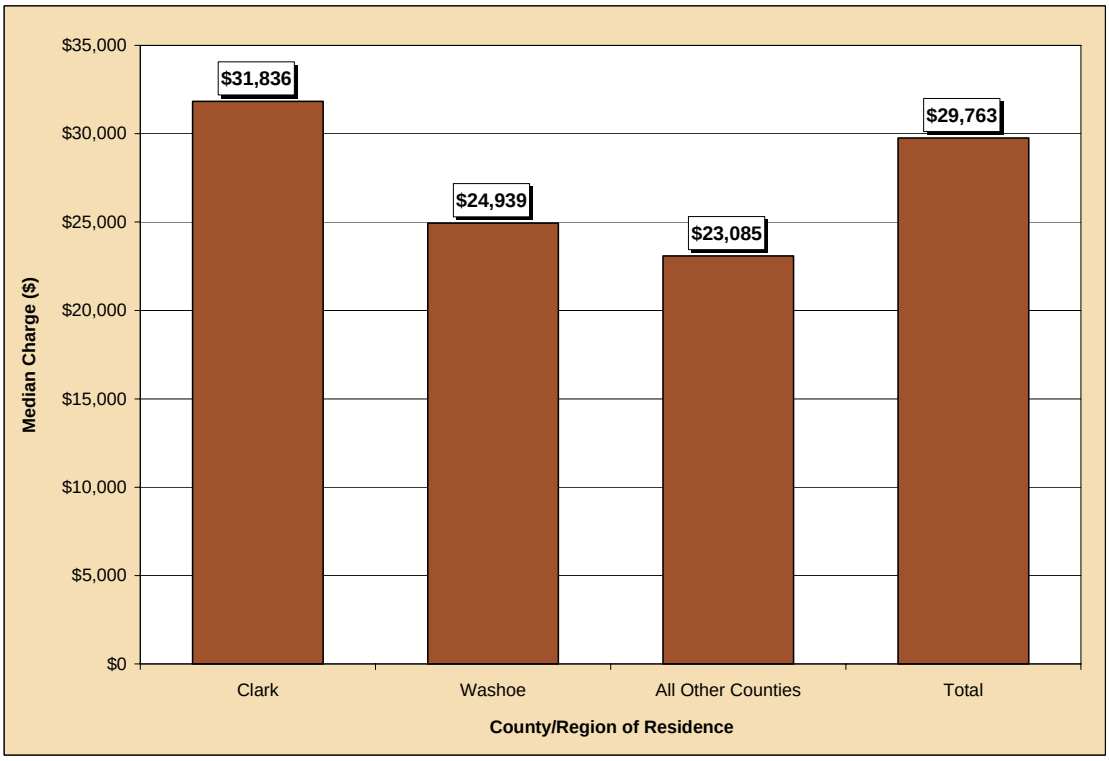


Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

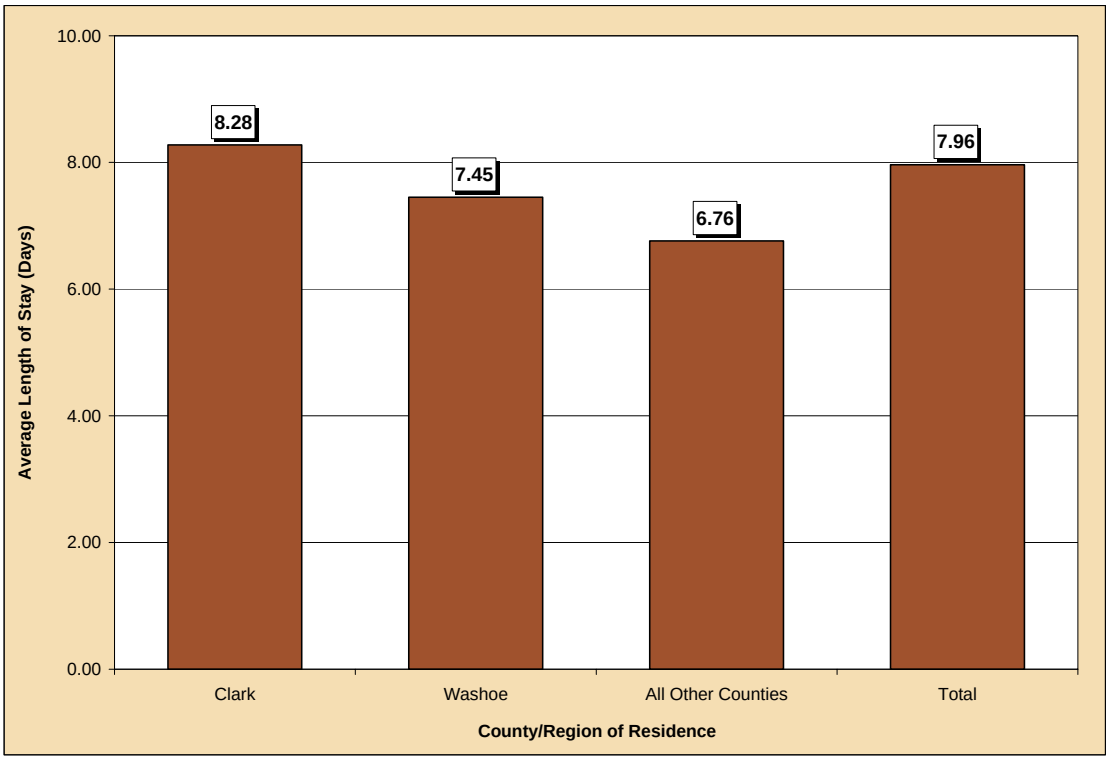


Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,883	3,552	695	634	2
Rate*	48.5	51.9	43.7	39.3	---
95% C.I.	(47.2-49.9)	(50.1-53.6)	(40.5-47.1)	(36.3-42.5)	---
Gender					
Male	2,517	1,861	316	339	1
Rate*	52.7	57.2	42.4	44.1	---
95% C.I.	(50.6-55.0)	(54.5-60.0)	(37.7-47.7)	(39.4-49.4)	---
Female	2,366	1,691	379	295	1
Rate*	45.1	47.4	45.3	35.6	---
95% C.I.	(43.3-47.0)	(45.1-49.7)	(40.9-50.2)	(31.7-40.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$194,397,117	$150,602,072	$23,942,562	$19,729,141	$123,342
Average Charges	$39,811	$42,399	$34,450	$31,119	$61,671
Median Charges	$29,763	$31,836	$24,939	$23,085	$61,671
Discharge Length of Stay (LOS) (Days)					
Total LOS	38,888	29,396	5,178	4,287	27
Average LOS	8.0	8.3	7.5	6.8	13.5
Median LOS	6.0	7.0	6.0	5.0	13.5

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 51. Lung and Bronchus Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	4,883	3,552	695	634
Rate*	46.5	48.5	39.8	44.6
95% C.I.	(45.21-47.82)	(46.88-50.07)	(36.82-42.73)	(41.10-48.04)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	7	5	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	7	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	99	77	11	11
Rate*	6.0	6.7	3.9	5.0
95% C.I.	(4.80-7.16)	(5.20-8.19)	(1.59-6.17)	(2.03-7.90)
45-54	459	358	63	38
Rate*	32.3	37.6	24.9	17.6
95% C.I.	(29.35-35.26)	(33.70-41.49)	(18.75-31.04)	(12.01-23.22)
55-64	1,316	959	185	172
Rate*	128.0	136.0	112.6	108.3
95% C.I.	(121.04-134.87)	(127.35-144.57)	(96.33-128.77)	(92.14-124.53)
65-74	1,717	1,244	240	231
Rate*	249.6	264.0	229.8	205.9
95% C.I.	(237.82-261.43)	(249.32-278.66)	(200.73-258.88)	(179.38-232.49)
75-84	1,146	810	174	162
Rate*	292.2	305.2	283.0	247.9
95% C.I.	(275.25-309.08)	(284.19-326.23)	(240.93-325.03)	(209.70-286.03)
85+	131	92	21	18
Rate*	148.9	165.4	126.4	114.3
95% C.I.	(123.40-174.39)	(131.61-199.21)	(72.34-180.46)	(61.50-167.11)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 52. Lung and Bronchus Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	4	3	7
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	47	52	99
Rate*	5.47	6.53	5.98
95% C.I.	(3.91-7.04)	(4.75-8.30)	(4.80-7.16)
45-54	220	239	459
Rate*	30.55	34.10	32.30
95% C.I.	(26.51-34.59)	(29.78-38.42)	(29.35-35.26)
55-64	662	654	1,316
Rate*	130.31	125.66	127.95
95% C.I.	(120.38-140.23)	(116.03-135.29)	(121.04-134.87)
65-74	933	784	1,717
Rate*	274.93	224.98	249.62
95% C.I.	(257.29-292.57)	(209.23-240.73)	(237.82-261.43)
75-84	585	561	1,146
Rate*	330.02	260.96	292.17
95% C.I.	(303.28-356.77)	(239.36-282.55)	(275.25-309.08)
85+	61	70	131
Rate*	209.74	118.85	148.89
95% C.I.	(157.10-262.37)	(91.01-146.69)	(123.40-174.39)
Unknown	0	0	0
Total	2,517	2,366	4,883
Rate*	47.18	45.83	46.52
95% C.I.	(45.34-49.03)	(43.98-47.67)	(45.21-47.82)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 53. Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	78	30.8	(23.98-37.67)	24.8	(19.6-31.0)
Churchill	55	44.8	(32.93-56.59)	45.5	(34.2-59.7)
Clark	3,552	48.5	(46.88-50.07)	51.9	(50.1-53.6)
Douglas	76	35.5	(27.49-43.43)	28.4	(22.2-36.3)
Elko	33	14.5	(9.55-19.45)	27.6	(18.3-40.7)
Esmeralda	5	---	---	---	---
Eureka	7	---	---	---	---
Humboldt	34	42.0	(27.85-56.06)	47.3	(32.2-68.3)
Lander	14	49.5	(23.59-75.50)	76.0	(39.7-134.2)
Lincoln	11	60.1	(24.58-95.61)	47.6	(23.4-88.7)
Lyon	135	72.8	(60.54-85.10)	59.9	(50.1-71.3)
Mineral	17	69.8	(36.61-102.95)	50.9	(29.0-86.1)
Nye	137	80.8	(67.29-94.37)	51.0	(42.6-61.3)
Pershing	12	43.3	(18.82-67.87)	46.5	(23.8-83.7)
Storey	1	---	---	---	---
Washoe	695	39.8	(36.82-42.73)	43.7	(40.5-47.1)
White Pine	19	48.8	(26.83-70.68)	35.4	(21.2-56.0)
Unknown	2	---	---	---	---
Total	4,883	46.5	(45.21-47.82)	48.5	(47.2-49.9)

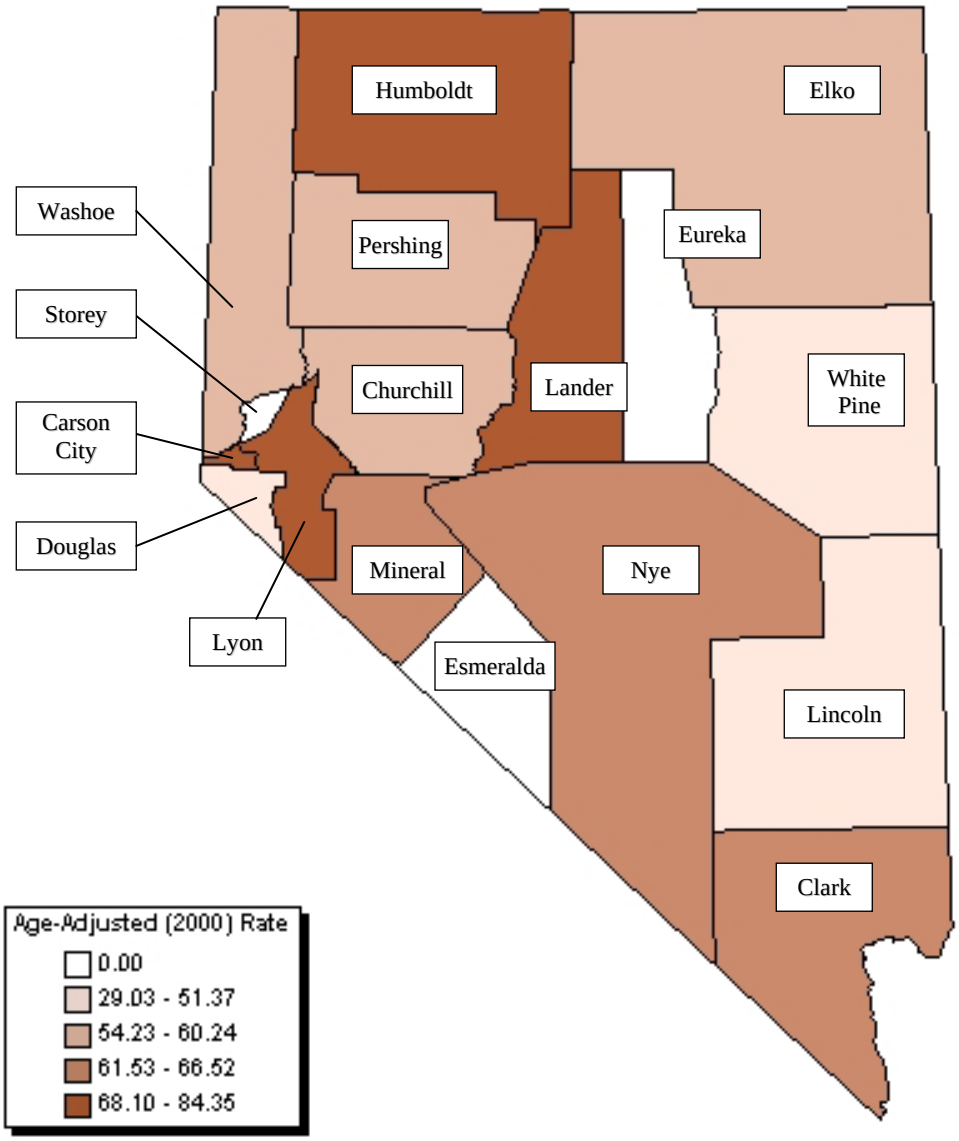
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	7	---	---	---	---	---	---
25-34	8	---	---	---	---	---	---
35-44	99	3,184,891	32,171	26,277	666	6.7	6.0
45-54	459	16,759,503	36,513	29,998	3,693	8.1	6.0
55-64	1,316	55,994,493	42,549	30,933	11,033	8.4	6.0
65-74	1,717	71,451,656	41,614	30,905	13,645	8.0	6.0
75-84	1,146	42,254,723	36,871	27,088	8,702	7.6	6.0
85+	131	3,981,118	30,390	21,869	1,000	7.6	6.0
Unknown	0	---	---	---	---	---	---
Total	4,883	194,397,117	39,811	29,763	38,888	8.0	6.0

MORTALITY

Figure 44. Lung and Bronchus Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 45. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

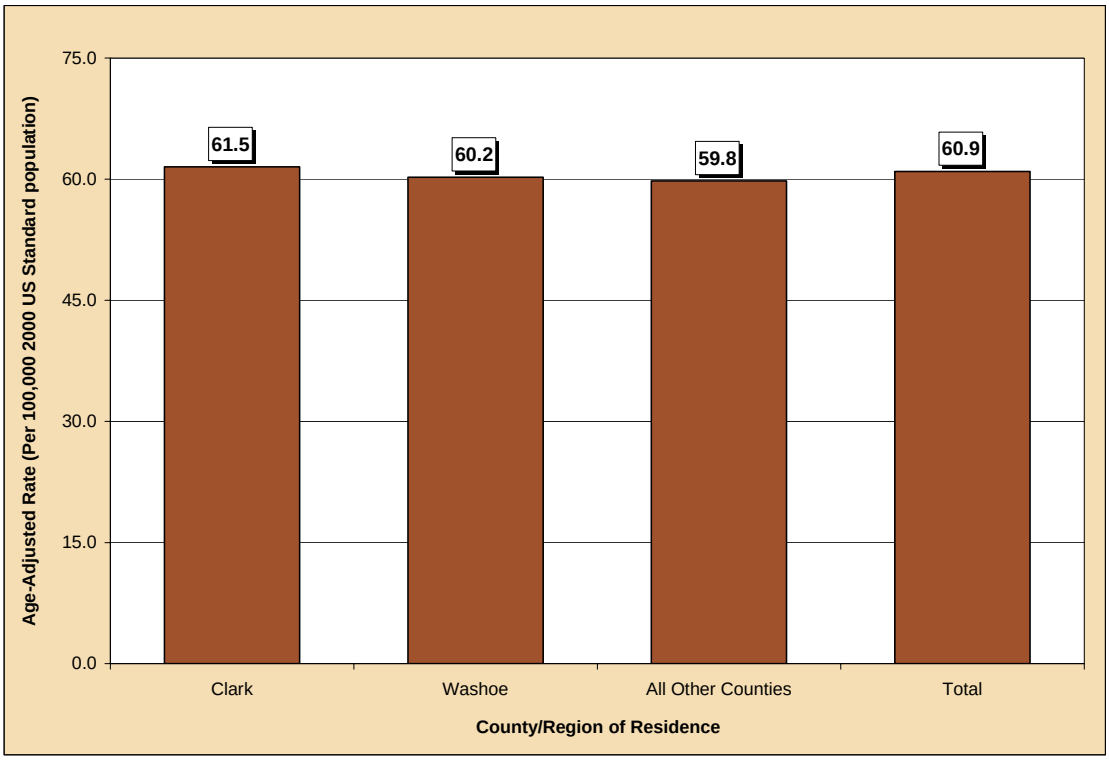


Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

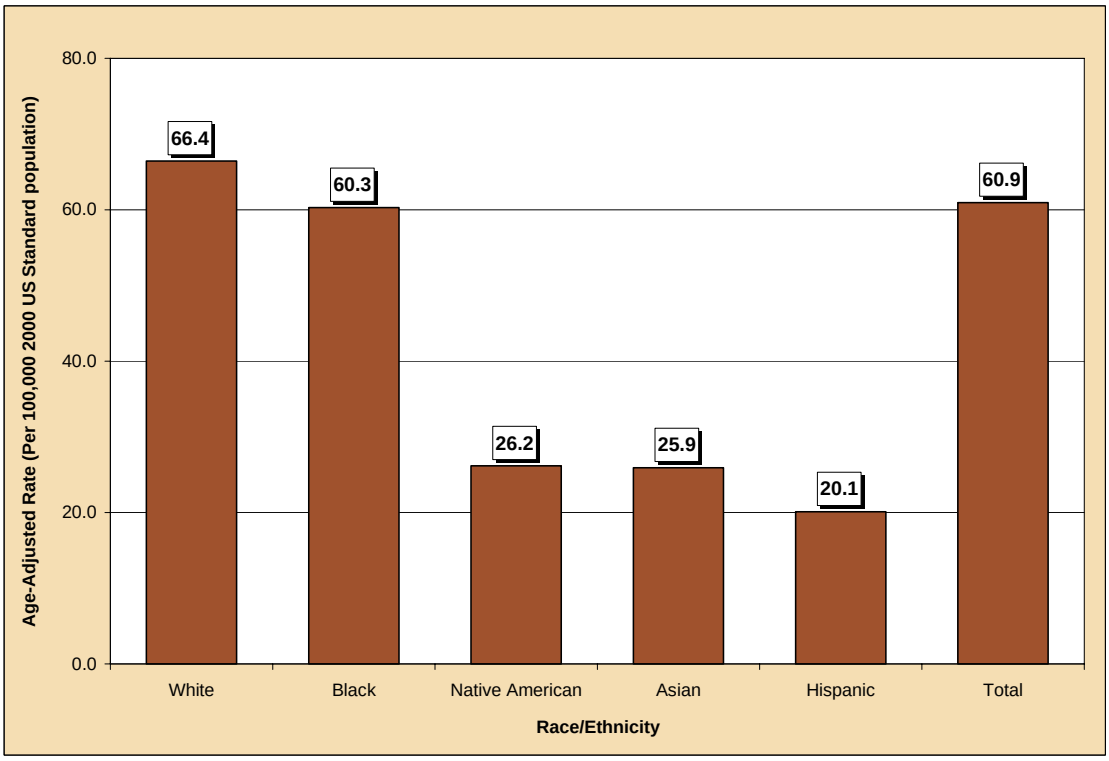


Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,895	4,015	930	950
Rate*	60.9	61.5	60.2	59.8
95% C.I.	(59.4-62.6)	(59.6-63.5)	(56.4-64.3)	(56.0-63.8)
Gender				
Male	3,254	3,254	3,254	3,254
Rate*	72.5	72.9	71.5	72.7
95% C.I.	(69.9-75.2)	(69.7-76.3)	(65.1-78.6)	(66.6-79.4)
Female	2,641	2,641	2,641	2,641
Rate*	51.7	52.5	52.1	48.4
95% C.I.	(49.7-53.7)	(50.1-55.0)	(47.3-57.3)	(43.8-53.5)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	5,350	3,553	870	927
Rate*	66.4	68.0	64.2	63.4
95% C.I.	(64.6-68.3)	(65.8-70.4)	(59.9-68.6)	(59.3-67.7)
Black	286	266	16	4
Rate*	60.3	60.1	67.5	---
95% C.I.	(53.1-68.4)	(52.7-68.5)	(36.2-116.4)	---
Native American	24	6	10	8
Rate*	26.2	---	50.7	---
95% C.I.	(16.4-40.5)	---	(23.3-102.4)	---
Asian	105	84	20	1
Rate*	25.9	26.8	31.0	---
95% C.I.	(20.3-33.5)	(19.8-36.6)	(18.3-50.5)	---
Hispanic	124	103	13	8
Rate*	20.1	22.8	11.3	---
95% C.I.	(16.3-24.8)	(18.1-28.8)	(5.9-20.1)	---
Other/Unknown	6	3	1	2

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	5,895	4,015	930	950
Rate*	60.9	61.5	60.2	59.8
95% C.I.	(59.4-62.6)	(59.6-63.5)	(56.4-64.3)	(56.0-63.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	6	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	66	47	12	7
Rate*	4.0	4.1	4.2	---
95% C.I.	(3.03-4.95)	(2.92-5.26)	(1.84-6.62)	---
45-54	420	302	74	44
Rate*	29.6	31.7	29.2	20.4
95% C.I.	(26.73-32.38)	(28.14-35.29)	(22.58-35.90)	(14.37-26.42)
55-64	1,262	853	191	218
Rate*	122.7	120.9	116.2	137.3
95% C.I.	(115.93-129.47)	(112.82-129.05)	(99.72-132.68)	(119.08-155.54)
65-74	2,117	1,439	335	343
Rate*	307.8	305.4	320.8	305.8
95% C.I.	(294.67-320.89)	(289.59-321.15)	(286.41-355.11)	(273.42-338.15)
75-84	1,685	1,122	264	299
Rate*	429.6	422.8	429.4	457.5
95% C.I.	(409.07-450.10)	(398.03-447.51)	(377.56-481.14)	(405.62-509.33)
85+	338	245	54	39
Rate*	384.2	440.5	325.0	247.7
95% C.I.	(343.21-425.12)	(385.33-495.64)	(238.33-411.72)	(169.93-325.38)
Unknown	2	1	1	0

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 57. Lung and Bronchus Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	214	84.6	(73.24-95.90)	68.9	(59.9-78.9)
Churchill	68	55.3	(42.18-68.49)	58.1	(45.0-74.2)
Clark	4,015	54.8	(53.10-56.49)	61.5	(59.6-63.5)
Douglas	128	59.7	(49.38-70.07)	46.9	(39.0-56.4)
Elko	72	31.6	(24.33-38.94)	54.2	(41.4-70.5)
Esmeralda	3	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	44	54.3	(38.25-70.34)	68.1	(48.9-93.4)
Lander	14	49.5	(23.59-75.50)	84.4	(44.7-146.5)
Lincoln	13	71.0	(32.41-109.63)	51.4	(27.3-88.6)
Lyon	157	84.7	(71.44-97.93)	69.2	(58.7-81.3)
Mineral	25	102.6	(62.39-142.84)	66.5	(42.9-100.2)
Nye	172	101.5	(86.31-116.65)	64.3	(54.8-75.7)
Pershing	15	54.2	(26.76-81.61)	60.1	(33.4-101.2)
Storey	8	---	---	---	---
Washoe	930	53.2	(49.80-56.65)	60.2	(56.4-64.3)
White Pine	15	38.5	(19.01-57.97)	29.0	(16.2-48.6)
Unknown	0	---	---	---	---
Total	5,895	56.2	(54.72-57.59)	60.9	(59.4-62.6)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	2,944	2,406	0	5,350
	Rate*	77.9	57.2	---	66.4
	95% C.I.	(75.0-80.9)	(54.9-59.6)	---	(64.6-68.3)
Black	Incidence	163	123	0	286
	Rate*	73.8	48.9	---	60.3
	95% C.I.	(61.7-88.8)	(40.4-59.0)	---	(53.1-68.4)
Native American	Incidence	14	10	0	24
	Rate*	35.8	19.9	---	26.2
	95% C.I.	(18.3-67.9)	(9.3-37.9)	---	(16.4-40.5)
Asian	Incidence	51	54	0	105
	Rate*	31.0	22.2	---	25.9
	95% C.I.	(21.7-45.5)	(15.5-32.3)	---	(20.3-33.5)
Hispanic	Incidence	79	45	0	124
	Rate*	27.4	14.1	---	20.1
	95% C.I.	(20.7-36.8)	(9.9-19.8)	---	(16.3-24.8)
Other/Unknown		3	3	0	6
Total	Incidence	3,254	2,641	0	5,895
	Rate*	72.5	51.7	---	60.9
	95% C.I.	(69.9-75.2)	(49.7-53.7)	---	(59.4-62.6)

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 59. Lung and Bronchus Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	4	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	33	33	66
Rate*	3.84	4.14	3.99
95% C.I.	(2.53-5.16)	(2.73-5.56)	(3.03-4.95)
45-54	214	206	420
Rate*	29.72	29.39	29.56
95% C.I.	(25.74-33.70)	(25.38-33.40)	(26.73-32.38)
55-64	708	554	1,262
Rate*	139.36	106.44	122.70
95% C.I.	(129.10-149.63)	(97.58-115.31)	(115.93-129.47)
65-74	1,225	892	2,117
Rate*	360.98	255.97	307.78
95% C.I.	(340.76-381.19)	(239.17-272.77)	(294.67-320.89)
75-84	904	781	1,685
Rate*	509.98	363.29	429.58
95% C.I.	(476.74-543.23)	(337.81-388.77)	(409.07-450.10)
85+	168	170	338
Rate*	577.63	288.63	384.17
95% C.I.	(490.28-664.98)	(245.25-332.02)	(343.21-425.12)
Unknown	0	0	0
Total	3,254	2,641	5,895
Rate*	61.00	51.15	56.16
95% C.I.	(58.90-63.10)	(49.20-53.10)	(54.72-57.59)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

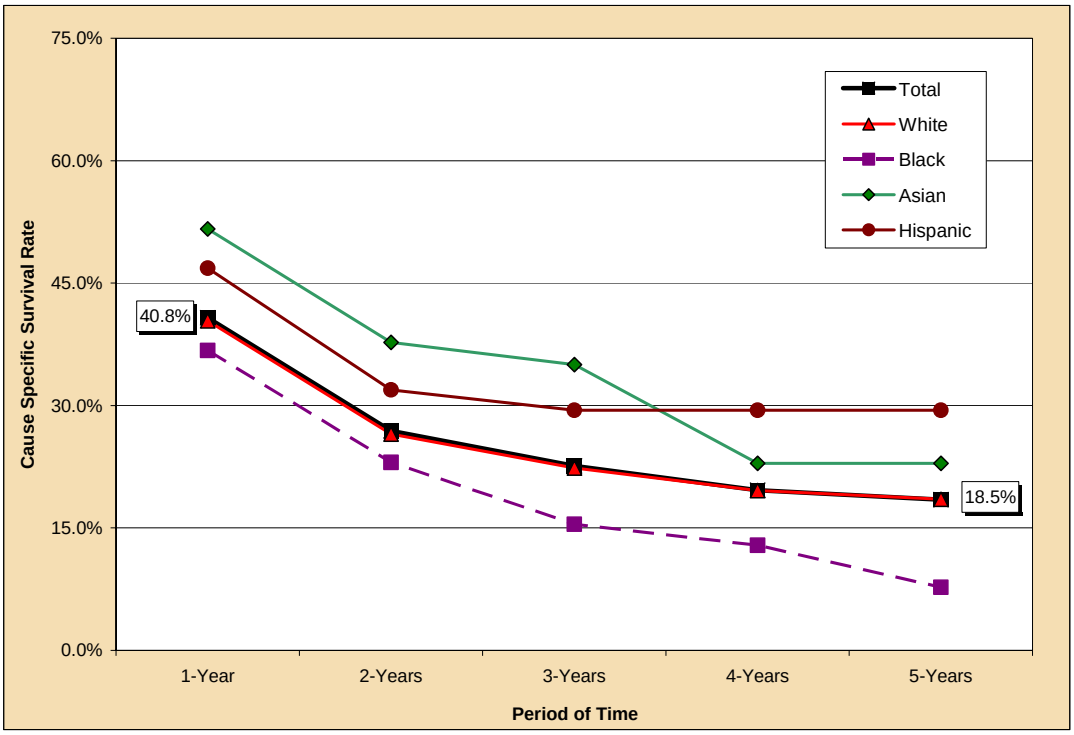
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	2,944	70.0	2,406	71.0	5,350	70.0
Black	163	66.0	123	68.0	286	67.0
Native American	14	68.5	10	68.5	24	68.5
Asian	51	68.0	54	65.0	105	66.0
Hispanic	79	68.0	45	71.0	124	69.0
Other/Unknown	3	---	3	---	6	69.5
Total	3,254	70.0	2,641	70.0	5,895	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 48. Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

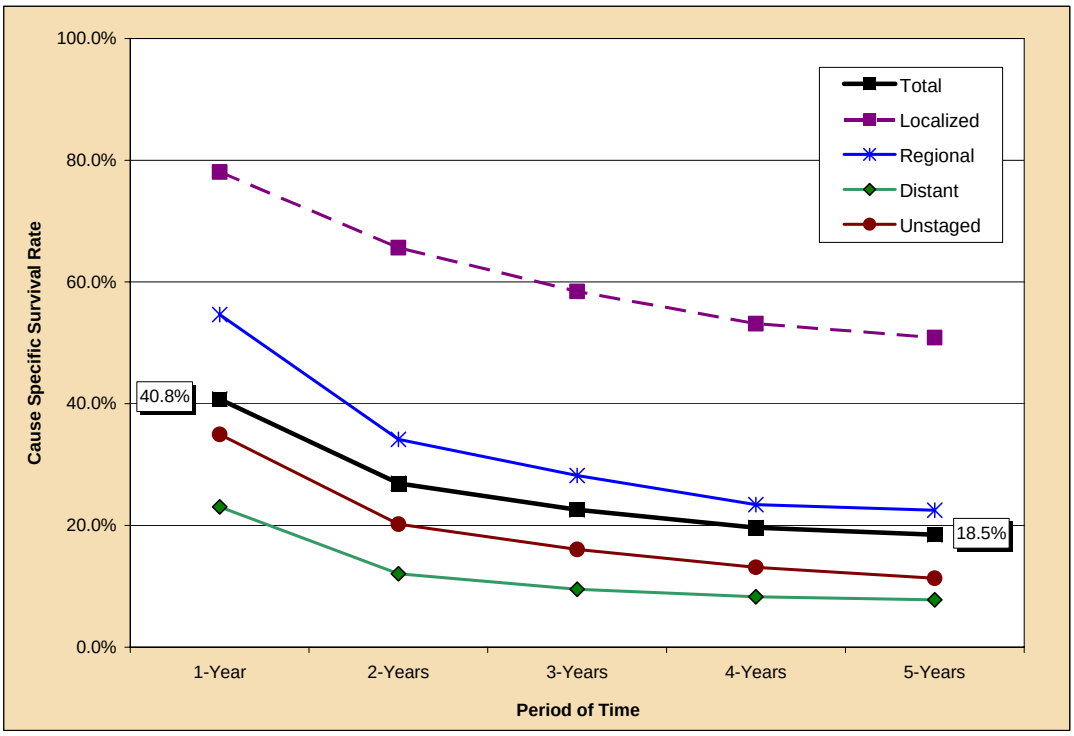


Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	6,192	40.8%	26.9%	22.6%	19.6%	18.5%	0.84
Male	3,293	38.0%	23.9%	20.3%	17.9%	17.5%	0.81
Female	2,899	44.0%	30.3%	25.2%	21.7%	19.5%	0.89
Race/Ethnicity							
White	5,524	40.4%	26.5%	22.4%	19.6%	18.5%	0.84
Male	2,924	37.8%	23.4%	19.9%	17.6%	17.6%	0.80
Female	2,600	43.4%	30.0%	25.1%	21.8%	19.5%	0.88
Black	308	36.8%	23.0%	15.5%	12.9%	7.7%	0.79
Male	167	31.5%	21.7%	14.2%	11.6%	3.9%	0.73
Female	141	43.2%	24.7%	16.9%	14.3%	14.3%	0.88
Native American	2	---	---	---	---	---	.
Male	1	---	---	---	---	---	.
Female	1	---	---	---	---	---	.
Asian	150	51.7%	37.7%	35.0%	22.9%	22.9%	1.12
Male	81	47.3%	36.4%	36.4%	26.7%	26.7%	0.95
Female	69	56.8%	39.3%	33.3%	19.0%	19.0%	1.39
Hispanic	168	46.8%	31.9%	29.4%	29.4%	29.4%	0.94
Male	97	41.6%	26.9%	24.9%	24.9%	24.9%	0.86
Female	71	54.2%	39.3%	36.0%	36.0%	36.0%	1.28

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 62. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	6,192	3,293	2,899
	One Year	40.8%	38.0%	44.0%
	5 Years	18.5%	17.5%	19.5%
	Median Survival	0.84	0.81	0.89
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	954	476	478
	One Year	78.1%	74.1%	82.0%
	5 Years	50.9%	47.2%	53.9%
	Median Survival	> 5 YEARS	3.37	> 5 YEARS
Regional	Cases	1,202	633	569
	One Year	54.7%	53.1%	56.4%
	5 Years	22.5%	23.5%	21.3%
	Median Survival	1.23	1.14	1.35
Distant	Cases	2,302	1,279	1,023
	One Year	23.1%	20.9%	25.7%
	5 Years	7.8%	6.8%	9.1%
	Median Survival	0.65	0.63	0.67
Unstaged	Cases	1,734	905	829
	One Year	35.0%	33.1%	36.9%
	5 Years	11.3%	12.6%	10.8%
	Median Survival	0.77	0.75	0.79

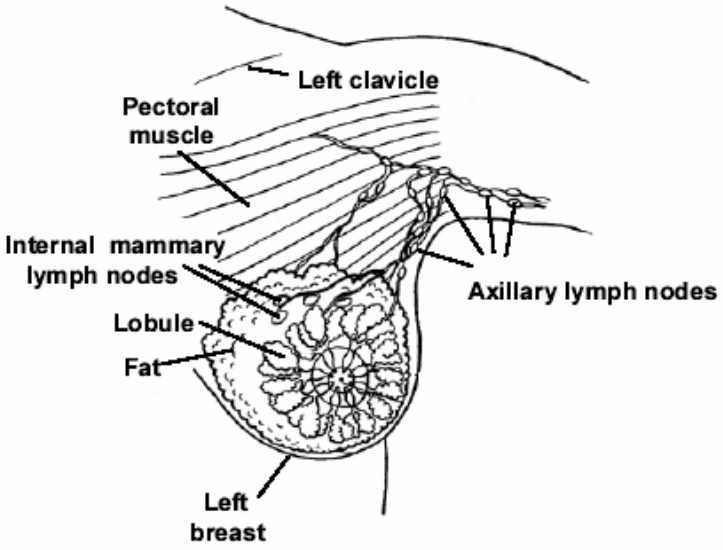
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

BREAST CANCER

BREAST CANCER

GENERAL PROFILE[4]

Figure 49. Anatomy of the Breast[5]



General Anatomy: Each breast has 15 to 20 sections called lobes. Within each lobe are many smaller lobules, which end in dozens of tiny bulbs that can produce milk. The lobes, lobules, and bulbs are all linked by thin tubes called ducts. These ducts lead to the nipple in the center of a dark area of skin called the areola. Fat surrounds the lobules and ducts. Each breast also contains blood vessels and lymph vessels. The lymph vessels carry colorless fluid called lymph, and lead to small bean-shaped organs called lymph nodes. Clusters of lymph nodes are found near the breast in the axilla (under the arm), above the collarbone, and in the chest. Lymph nodes are also found in many other parts of the body.

Risk Factors: Personal, and/or family, history of Breast Cancer, atypical hyperplasia, lobular carcinoma in situ, prolonged levels of estrogen, later childbearing, breast density, radiation therapy, and alcohol use are all important risk factors.

Signs and Symptoms: Common signs and symptoms include: A lump or thickening in or near the breast or in the underarm area, change in the size or shape of the breast, nipple discharge or tenderness, nipple inverted into breast, ridges or pitting of the breast, and a change in the way the skin of the breast, areola, or nipple looks or feels (for example, warm, swollen, red, or scaly).

Diagnosing the Cancer: The most common ways of diagnosing Breast Cancer are: clinical breast exam, mammography, ultrasonography, fine-needle aspiration, and needle or surgical biopsy.

Treatment: Treatment options include: surgery (Lumpectomy, Segmental Mastectomy, Simple Mastectomy, and Radical Mastectomy), radiation therapy, chemotherapy, hormonal therapy, and biological therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 141.8, to the age-adjusted mortality rate, 25.5 (per 100,000 – 2000 US Standard female population), for Female Breast Cancer was 5.56 during the 1999 to 2003 period, which means that for every 556 Female Breast Cancer cases there was 100 female deaths due to Breast Cancer in Nevada during this period.

- The median age at diagnosis of Breast Cancer for Nevada females was 61 years of age from 1999 to 2003. The median age at time of death due to Breast Cancer for females was 67 years.

CANCER SCREENING

- From 1999 to 2003, 93.4% of the 3,729 Nevadan females who responded had ever had a mammogram and/or a clinical breast exam to try and detect early signs of Breast Cancer.

- The percentage of women who stated their education level at less than high school (91.3%) or high school (89.7%) had lower rates of ever having had a mammogram and/or clinical breast exam than those who stated their education level at some post high school (95.2%) or college graduate (97.4%) during the 1999 to 2003 period.

- Those women whose age was 18 to 24 years, 73.9% (67.1%-80.7%), had the lowest statistically significant percentage of ever having a mammogram and/or a clinical breast exam of any age group surveyed from 1999 to 2003. However, those women 25 to 34 years of age also had a statistically significant lower percentage, 89.8% (86.3%-93.2%), than all other age groups surveyed.

INCIDENCE

- There were 7,417 cases of Female Breast Cancer reported in Nevada from 1999 to 2003. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 162.1 (153.6-170.9), was statistically higher than the rate for Nevada as a whole 141.8 (138.5-145.1), Clark County 141.8 (137.8-145.8) and the All Other Counties region 120.1 (112.6-128.0) during this period.

- Hispanic females were considerably lower than the statewide median age at time of diagnosis for Breast Cancer (61 years) with a median age of 53 years, the lowest of any racial/ethnic group. The racial/ethnic group with the highest median age at diagnosis were White females with a median age of 62 years for the 1999 to 2003 period.

- White females accounted for 85.6% of all reported Female Breast Cancer cases in Nevada from 1999 to 2003. They had a statistically significant higher rate 154.7 (150.9-158.6) than Black females 123.7 (110.8-138.0), Asian females 78.2 (67.6-91.5), Hispanic females 65.6 (58.0-74.6) and Native American females 21.1 (11.4-36.4) per 100,000 – 2000 US Standard population, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 2404 female hospital inpatient discharges with a primary diagnosis of Breast Cancer from 1999 to 2003. Clark County had the highest age-adjusted inpatient discharge rate, 48.0, for Female Breast Cancer, and was followed by Washoe County and the All Other Counties region with rates of 47.5 and 36.0 (per 100,000 – 2000 US Standard female population), respectively.

- Total billed charges for hospital inpatient discharges from Breast Cancer in Nevada totaled nearly 40.2 million dollars from 1999 to 2003. Washoe County had the highest median total charge ($15,675), however, Clark County had the highest average length of stay (2.4 days) during this time; once regional comparisons were made.

- The overall average billed charge per day for a Breast Cancer inpatient hospital discharge in Nevada was over $7,183 from 1999 to 2003.

MORTALITY

- There were 1,292 female deaths in Nevada due to Breast Cancer from 1999 to 2003. Washoe County had a higher age-adjusted mortality rate for Female Breast Cancer (29.5) than statewide rate of (25.5), Clark County (25.3) and All Other Counties (21.8) (per 100,000 – 2000 US Standard female population) for this period.

- Racial/ethnic comparisons showed that Black and White females had higher age-adjusted mortality rates for Female Breast Cancer 34.4 and 26.6, respectively, when compared to Hispanics and Asians who had rates of 16.2 and 13.0 (per 100,000 – 2000 US Standard female population), respectively, from 1999 to 2003.

SURVIVAL RATE

- Asian females in Nevada had the highest one-year survival rate (96.1%) of any racial/ethnic group for Female Breast Cancer during the 1999 to 2003 period. They were followed by White, Hispanic and Black females with rates for Female Breast Cancer of 95.5%, 93.1% and 88.1%, respectively, during this period.

- The five-year survival rate for females diagnosed with Breast Cancer at the in situ stage was 97.7% for Nevada from 1999 to 2003. The rate for those at the localized stage was 93.3%, while those recorded at the regional, distant and unstaged stages had rates of 81.6%, 24.8% and 45.5%, respectively.

SCREENING (BRFSS)

Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1999-2003

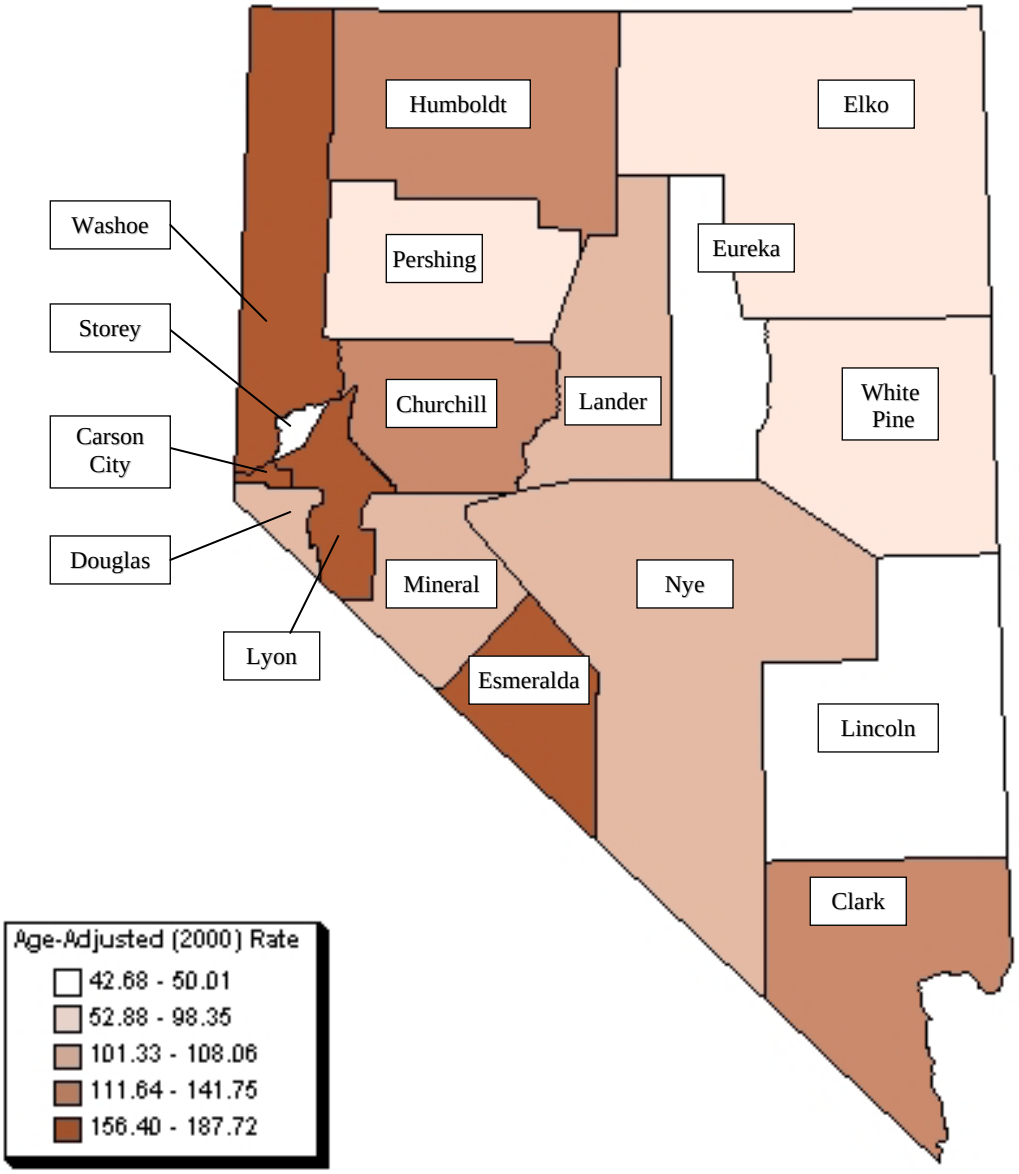
Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	3,522	93.4%	(92.1-94.6)	207	6.6%	(5.4-7.9)	3,729
County/Region of Residence							
Clark County	1,142	93.6%	(92.0-95.2)	72	6.4%	(4.8-8.0)	1,214
Washoe County	1,128	94.4%	(92.8-96.0)	62	5.6%	(4.0-7.2)	1,190
All Other Counties	1,252	91.4%	(88.5-94.2)	73	8.6%	(5.8-11.5)	1,325
Education							
Less than High School	365	91.3%	(87.6-94.9)	31	8.7%	(5.1-12.4)	396
High School	1,093	89.7%	(87.0-92.3)	96	10.3%	(7.7-13.0)	1,189
Some Post High School	1,192	95.2%	(93.5-96.8)	62	4.8%	(3.2-6.5)	1,254
College Graduate	865	97.4%	(95.4-99.3)	18	2.6%	(0.7-4.6)	883
Age Group							
18-24 years old	269	73.9%	(67.1-80.7)	76	26.1%	(19.3-32.9)	345
25-34 years old	604	89.8%	(86.3-93.2)	53	10.2%	(6.8-13.7)	657
35-44 years old	801	95.8%	(94.0-97.6)	34	4.2%	(2.4-6.0)	835
45-54 years old	696	98.6%	(97.7-99.6)	11	1.4%	(0.4-2.3)	707
55-64 years old	460	98.5%	(96.9-100.0)	8	1.5%	(0.0-3.1)	468
65+ years old	683	97.1%	(95.4-98.7)	25	2.9%	(1.3-4.6)	708
Income							
Less than $15,000	313	90.1%	(85.5-94.7)	30	9.9%	(5.3-14.5)	343
$15,000-$24,999	585	89.5%	(86.0-93.0)	58	10.5%	(7.0-14.0)	643
$25,000-$34,999	500	93.0%	(89.6-96.4)	31	7.0%	(3.6-10.4)	531
$35,000-$49,999	641	93.8%	(91.0-96.6)	28	6.2%	(3.4-9.0)	669
$50,000 or More	1,052	97.7%	(96.2-99.2)	19	2.3%	(0.8-3.8)	1,071

*Denominator includes persons age 18-65 excluding those who responded "do not know/not sure" or who refused to respond. 95% of the time, the "true point estimate" will fall between the lower and upper bounds of the 95% Confidence Interval.
"N"= response numbers and "%"= Weighted prevalence rates
Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

1) A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?
2) A clinical breast exam is when a doctor, nurse, or other health professional feels the breast for lumps. Have you ever had a clinical breast exam?

INCIDENCE

Figure 50. Female Breast Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 51. Female Breast Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

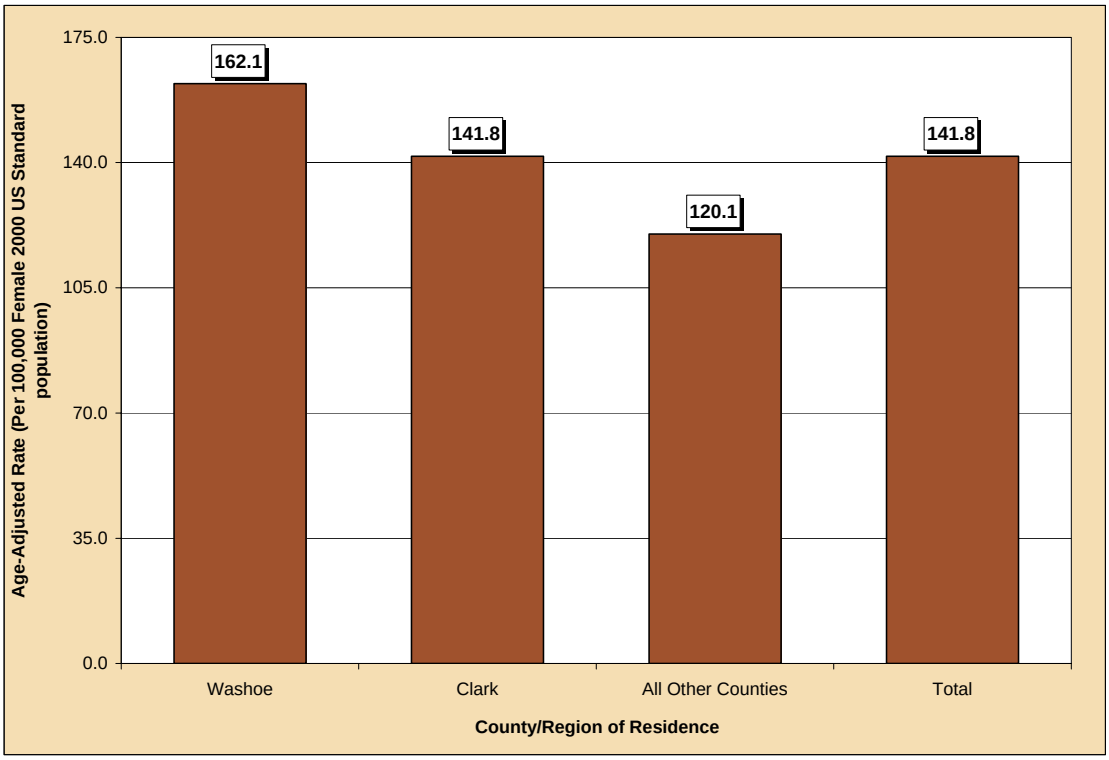


Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

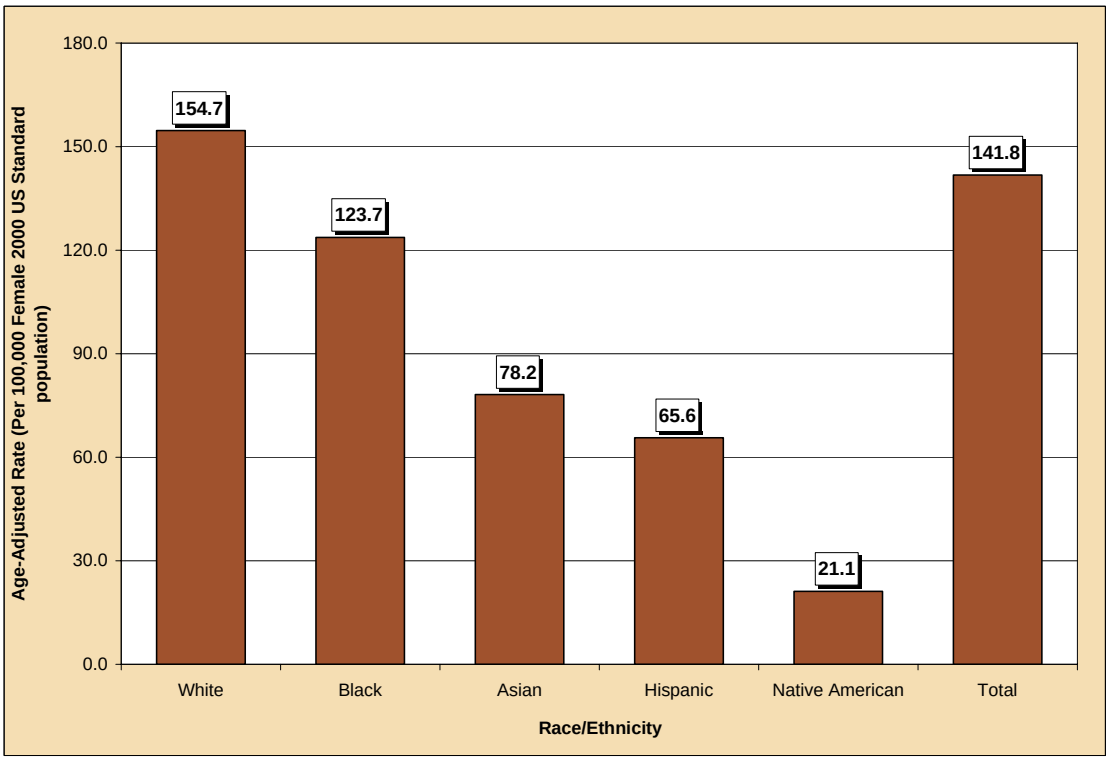


Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,498	5,104	1,407	987	0	131,832
Rate*	73.8	73.8	73.8	73.8	---	73.3
95% C.I.	(72.2-75.6)	(72.2-75.6)	(72.2-75.6)	(72.2-75.6)	---	(72.9-73.7)
Gender						
Male	81	81	81	81	0	875
Rate*	1.8	1.8	1.8	1.8	---	1.2
95% C.I.	(1.4-2.3)	(1.4-2.3)	(1.4-2.3)	(1.4-2.3)	---	(1.1-1.3)
Female	7,417	7,417	7,417	7,417	0	128,757
Rate*	141.8	141.8	141.8	141.8	---	135.2
95% C.I.	(138.5-145.1)	(138.5-145.1)	(138.5-145.1)	(138.5-145.1)	---	(134.4-135.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	6,347	4,151	1,280	916	0	106,959
Rate*	154.7	154.7	154.7	154.7	---	141.7
95% C.I.	(150.9-158.6)	(150.9-158.6)	(150.9-158.6)	(150.9-158.6)	---	(140.8-142.5)
Black	355	337	14	4	0	10,736
Rate*	123.7	123.7	123.7	---	---	119.9
95% C.I.	(110.8-138.0)	(110.8-138.0)	(110.8-138.0)	---	---	(117.7-122.3)
Native American	14	3	6	5	0	556
Rate*	21.1	---	---	---	---	54.2
95% C.I.	(11.4-36.4)	---	---	---	---	(49.6-59.3)
Asian	243	191	43	9	0	9,950
Rate*	78.2	78.2	78.2	---	---	96.8
95% C.I.	(67.6-91.5)	(67.6-91.5)	(67.6-91.5)	---	---	(94.9-98.7)
Hispanic	331	266	38	27	0	9,496
Rate*	65.6	65.6	65.6	65.6	---	88.3
95% C.I.	(58.0-74.6)	(58.0-74.6)	(58.0-74.6)	(58.0-74.6)	---	(86.5-90.2)
Other/Unknown	127	111	8	8	0	767

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 65. Female Breast Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,498	5,104	1,407	987	0	131,832
Rate*	141.8	141.8	162.1	120.1	---	135.2
95% C.I.	(138.5-145.1)	(137.8-145.8)	(153.6-170.9)	(112.6-128.0)	---	(134.4-135.9)
Age Group						
<1	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.4)
1-4	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	1	1	0	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	8	5	2	1	0	70
Rate*	---	---	---	---	---	0.8
95% C.I.	---	---	---	---	---	(0.6-1.0)
25-34	95	68	16	11	0	1,727
Rate*	12.7	12.4	13.0	14.5	---	17.7
95% C.I.	(10.15-15.26)	(9.45-15.34)	(6.62-19.34)	(5.94-23.11)	---	(16.8-18.5)
35-44	727	521	129	77	0	10,004
Rate*	91.3	95.2	92.9	69.7	---	91.3
95% C.I.	(84.63-97.90)	(87.04-103.39)	(76.84-108.89)	(54.15-85.30)	---	(89.6-93.1)
45-54	1,567	1,071	324	172	0	20,959
Rate*	223.6	227.9	261.0	161.2	---	223.7
95% C.I.	(212.50-234.64)	(214.21-241.50)	(232.56-289.40)	(137.11-185.29)	---	(220.7-226.7)
55-64	1,904	1,309	332	263	0	21,066
Rate*	365.8	362.4	409.8	336.2	---	363.7
95% C.I.	(349.39-382.26)	(342.76-382.03)	(365.68-453.84)	(295.53-376.79)	---	(358.8-368.7)
65-74	1,813	1,228	335	250	0	19,945
Rate*	520.3	513.7	626.5	446.9	---	457.6
95% C.I.	(496.31-544.21)	(484.95-542.41)	(559.39-693.57)	(391.46-502.24)	---	(451.2-464.0)
75-84	1,037	695	187	155	0	16,343
Rate*	482.4	479.8	533.5	441.9	---	488.3
95% C.I.	(453.01-511.73)	(444.15-515.49)	(457.00-609.92)	(372.30-511.43)	---	(480.8-495.8)
85+	265	161	64	40	0	5,582
Rate*	449.9	428.5	564.4	400.4	---	401.4
95% C.I.	(395.76-504.10)	(362.35-494.74)	(426.15-702.72)	(276.31-524.48)	---	(390.9-412.0)
Unknown	0	0	0	0	0	0

*Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 66. Female Breast Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	266	206.5	(181.65-231.28)	165.2	(145.7-186.9)
Churchill	83	135.4	(106.29-164.55)	132.9	(105.8-165.1)
Clark	5,059	140.5	(136.63-144.38)	141.8	(137.8-145.8)
Douglas	149	140.0	(117.53-162.49)	104.7	(88.4-124.0)
Elko	62	57.0	(42.78-71.14)	73.7	(55.4-97.1)
Esmeralda	6	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	41	106.7	(74.05-139.39)	111.6	(79.2-154.6)
Lander	11	80.0	(32.71-127.24)	108.1	(52.4-201.2)
Lincoln	5	---	---	---	---
Lyon	171	186.5	(158.56-214.47)	156.4	(133.7-182.4)
Mineral	18	149.1	(80.22-217.98)	105.0	(61.4-174.6)
Nye	120	144.7	(118.81-170.59)	101.3	(83.3-123.1)
Pershing	14	104.0	(49.51-158.44)	98.4	(53.5-167.1)
Storey	6	---	---	---	---
Washoe	1,389	161.3	(152.84-169.80)	162.1	(153.6-170.9)
White Pine	15	75.7	(37.39-114.01)	52.9	(29.3-89.5)
Unknown	0	---	---	---	---
Total	7,417	143.7	(140.38-146.92)	141.8	(138.5-145.1)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	68	6,347	0	6,415
	Rate*	1.9	154.7	---	79.7
	95% C.I.	(1.4-2.5)	(150.9-158.6)	---	(77.7-81.7)
Black	Incidence	9	355	0	364
	Rate*	---	123.7	---	67.2
	95% C.I.	---	(110.8-138.0)	---	(60.0-75.3)
Native American	Incidence	0	14	0	14
	Rate*	---	21.1	---	11.0
	95% C.I.	---	(11.4-36.4)	---	(6.0-19.0)
Asian	Incidence	2	243	0	245
	Rate*	---	78.2	---	45.6
	95% C.I.	---	(67.6-91.5)	---	(39.4-53.4)
Hispanic	Incidence	2	331	0	333
	Rate*	---	65.6	---	33.9
	95% C.I.	---	(58.0-74.6)	---	(29.7-38.9)
Other/Unknown		0	127	0	127
Total	Incidence	81	7,417	0	7,498
	Rate*	1.8	141.8	---	73.8
	95% C.I.	(1.4-2.3)	(138.5-145.1)	---	(72.2-75.6)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	8	0	8
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	95	0	96
Rate*	---	12.71	---	6.15
95% C.I.	---	(10.15-15.26)	---	(4.92-7.38)
35-44	6	727	0	733
Rate*	---	91.27	---	44.29
95% C.I.	---	(84.63-97.90)	---	(41.08-47.50)
45-54	9	1,567	0	1,576
Rate*	---	223.57	---	110.91
95% C.I.	---	(212.50-234.64)	---	(105.43-116.38)
55-64	15	1,904	0	1,919
Rate*	2.95	365.83	---	186.58
95% C.I.	(1.46-4.45)	(349.39-382.26)	---	(178.24-194.93)
65-74	24	1,813	0	1,837
Rate*	7.07	520.26	---	267.07
95% C.I.	(4.24-9.90)	(496.31-544.21)	---	(254.86-279.28)
75-84	21	1,037	0	1,058
Rate*	11.85	482.37	---	269.73
95% C.I.	(6.78-16.91)	(453.01-511.73)	---	(253.48-285.99)
85+	5	265	0	270
Rate*	---	449.93	---	306.88
95% C.I.	---	(395.76-504.10)	---	(270.27-343.49)
Unknown	0	0	0	0
Total	81	7,417	0	7,498
Rate*	1.52	143.65	---	71.43
95% C.I.	(1.19-1.85)	(140.38-146.92)	---	(69.81-73.04)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 69. Breast Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	1	0	1
	Percent	---	---	---	100.0%	---	100.0%
15-24	Number	1	3	2	1	1	8
	Percent	12.5%	37.5%	25.0%	12.5%	12.5%	100.0%
25-34	Number	8	36	38	6	8	96
	Percent	8.3%	37.5%	39.6%	6.3%	8.3%	100.0%
35-44	Number	110	304	247	36	36	733
	Percent	15.0%	41.5%	33.7%	4.9%	4.9%	100.0%
45-54	Number	322	684	416	74	80	1,576
	Percent	20.4%	43.4%	26.4%	4.7%	5.1%	100.0%
55-64	Number	318	915	486	75	125	1,919
	Percent	16.6%	47.7%	25.3%	3.9%	6.5%	100.0%
65-74	Number	284	938	385	85	145	1,837
	Percent	15.5%	51.1%	21.0%	4.6%	7.9%	100.0%
75-84	Number	138	532	219	66	103	1,058
	Percent	13.0%	50.3%	20.7%	6.2%	9.7%	100.0%
85+	Number	17	124	55	14	60	270
	Percent	6.3%	45.9%	20.4%	5.2%	22.2%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	1,198	3,536	1,848	358	558	7,498
	Percent	16.0%	47.2%	24.6%	4.8%	7.4%	100.0%

Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	1,016	49	3	57	50	23	1,198
	Percent	15.8%	13.5%	21.4%	23.3%	15.0%	18.1%	16.0%
Localized	Number	3,076	151	8	105	141	55	3,536
	Percent	48.0%	41.5%	57.1%	42.9%	42.3%	43.3%	47.2%
Regional	Number	1,581	86	3	60	88	30	1,848
	Percent	24.6%	23.6%	21.4%	24.5%	26.4%	23.6%	24.6%
Distant	Number	284	36	0	11	21	6	358
	Percent	4.4%	9.9%	---	4.5%	6.3%	4.7%	4.8%
Unstaged	Number	458	42	0	12	33	13	558
	Percent	7.1%	11.5%	---	4.9%	9.9%	10.2%	7.4%
Total	Number	6,415	364	14	245	333	127	7,498
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

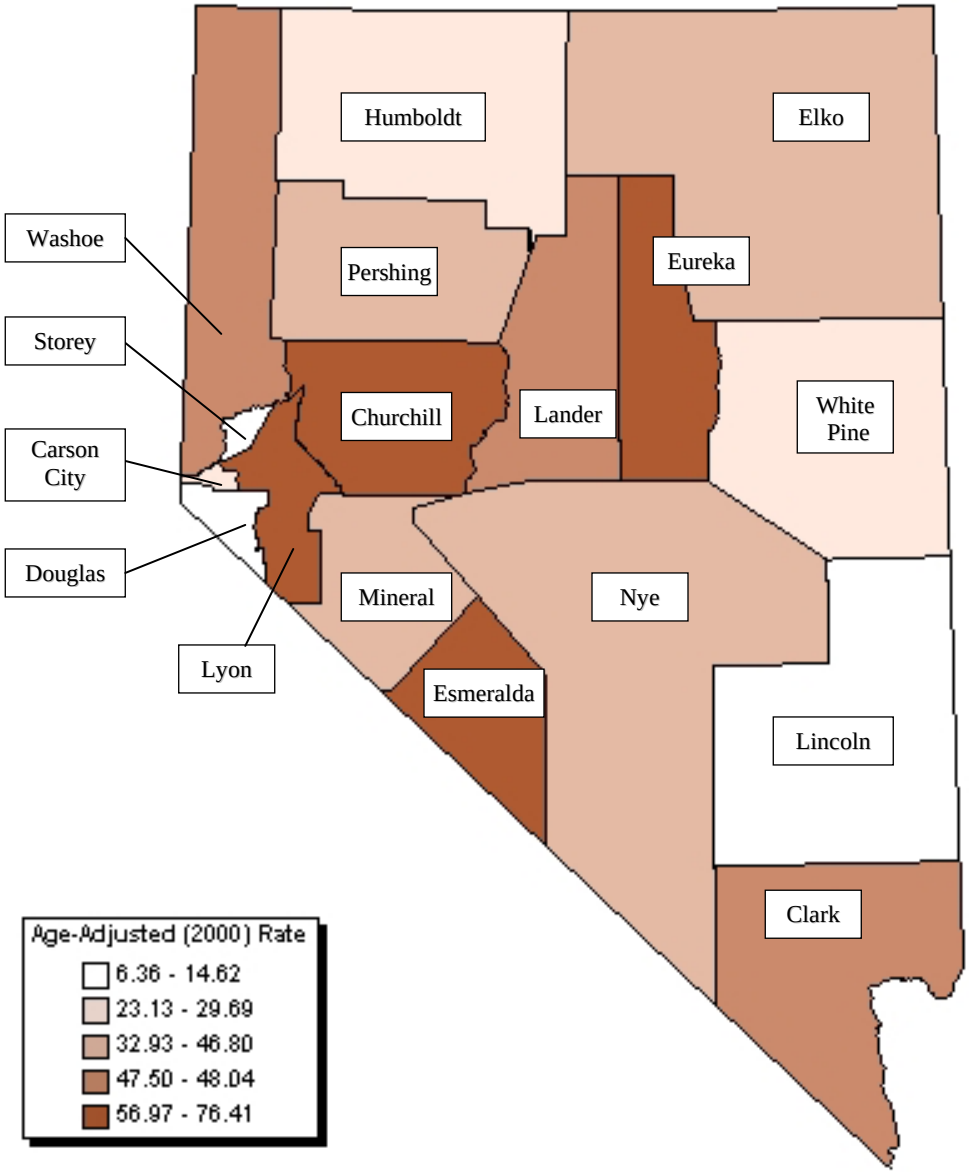
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	68	69.0	6,347	62.0	6,415	62.0
Black	9	63.0	355	58.0	364	58.0
Native American	---	---	14	60.5	14	60.5
Asian	2	---	243	55.0	245	55.0
Hispanic	2	---	331	53.0	333	53.0
Other/Unknown	---	---	127	59.0	127	59.0
Total	81	68.0	7,417	61.0	7,498	61.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 53. Female Breast Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 54. Female Breast Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

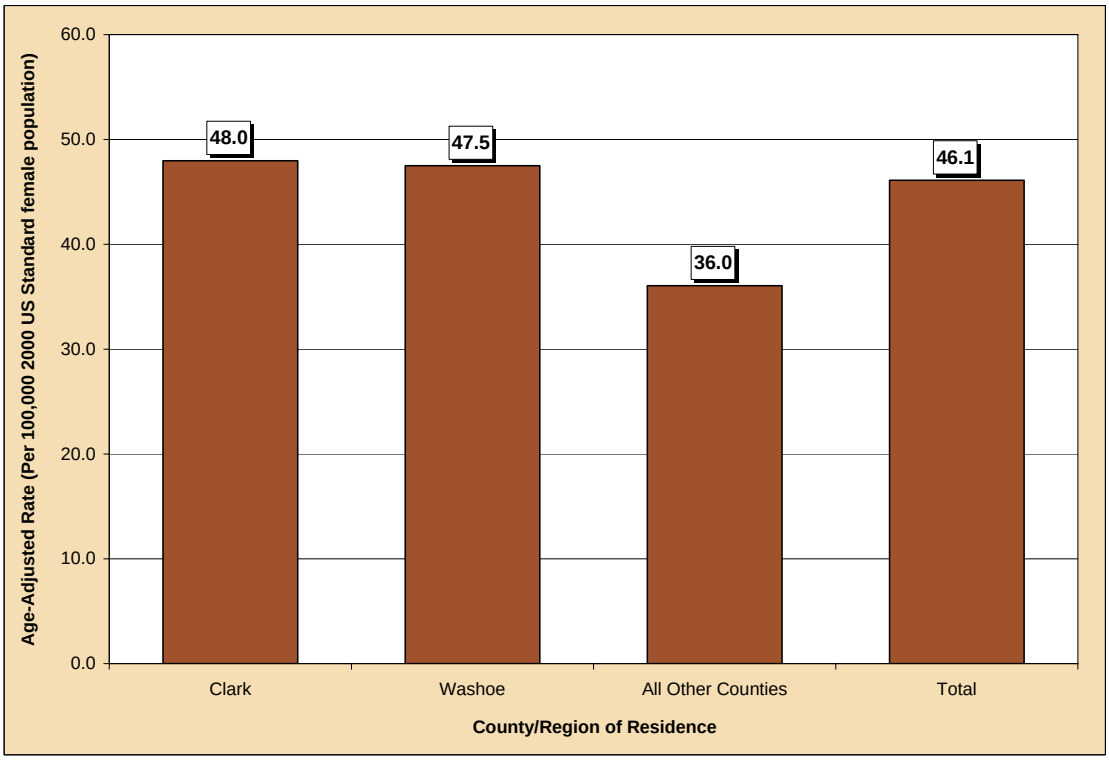


Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

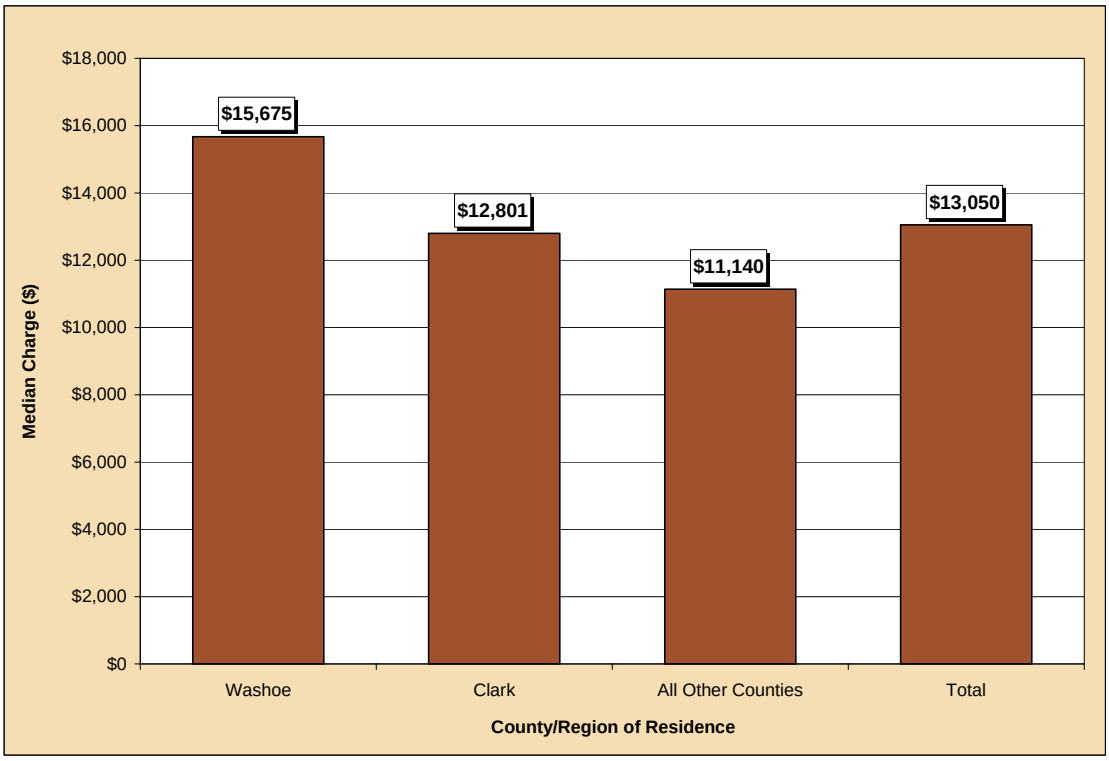


Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

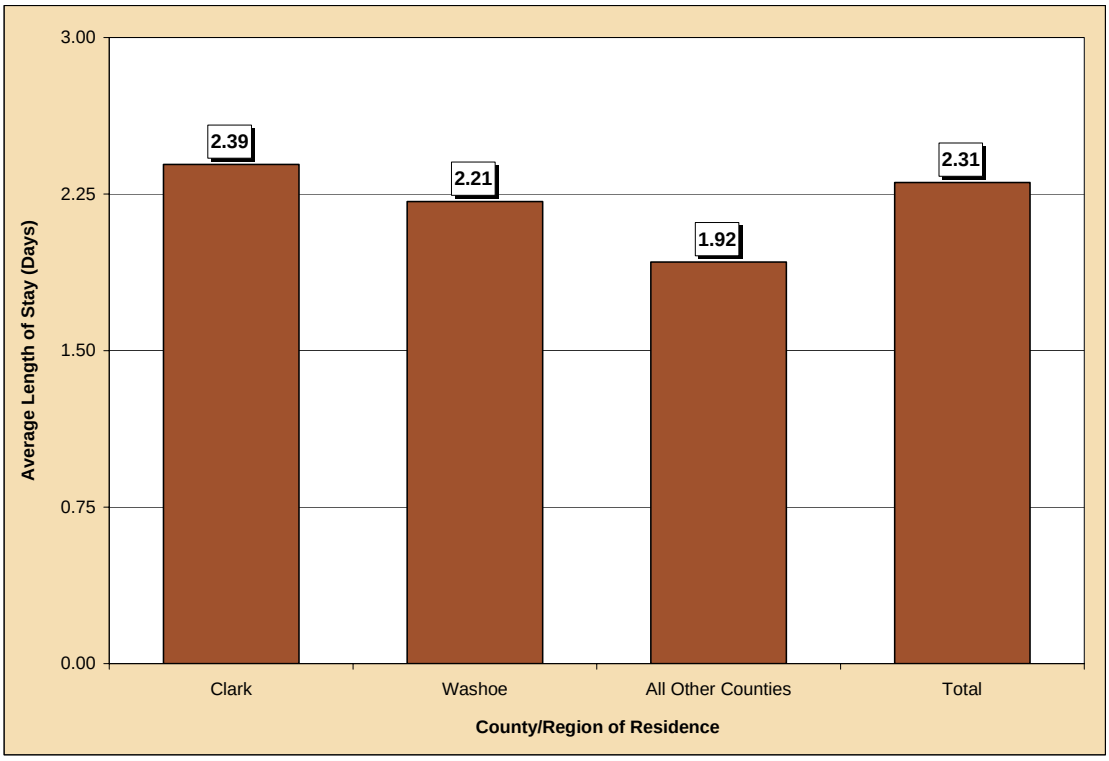


Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,426	1,720	415	291	0
Rate*	24.0	24.9	25.4	18.5	---
95% C.I.	(23.0-25.0)	(23.7-26.1)	(23.0-28.0)	(16.4-20.9)	---
Gender					
Male	22	11	9	2	0
Rate*	0.5	0.3	---	---	---
95% C.I.	(0.3-0.9)	(0.2-0.6)	---	---	---
Female	2,404	1,709	406	289	0
Rate*	46.1	48.0	47.5	36.0	---
95% C.I.	(44.3-48.0)	(45.7-50.3)	(43.0-52.4)	(32.0-40.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$40,174,888	$28,760,587	$7,634,314	$3,779,987	$0
Average Charges	$16,560	$16,721	$18,396	$12,990	$0
Median Charges	$13,050	$12,801	$15,675	$11,140	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,593	4,114	919	560	0
Average LOS	2.3	2.4	2.2	1.9	0.0
Median LOS	1.0	1.0	2.0	1.0	0.0

* Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 73. Female Breast Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	2,404	1,709	406	289
Rate*	46.6	47.5	47.2	41.2
95% C.I.	(44.70-48.42)	(45.21-49.71)	(42.57-51.74)	(36.45-45.95)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	42	31	5	6
Rate*	5.6	5.7	---	---
95% C.I.	(3.92-7.32)	(3.66-7.64)	---	---
35-44	260	196	43	21
Rate*	32.6	35.8	31.0	19.0
95% C.I.	(28.67-36.61)	(30.80-40.83)	(21.70-40.21)	(10.88-27.15)
45-54	509	360	98	51
Rate*	72.6	76.6	78.9	47.8
95% C.I.	(66.31-78.93)	(68.68-84.50)	(63.31-94.57)	(34.68-60.92)
55-64	586	434	88	64
Rate*	112.6	120.2	108.6	81.8
95% C.I.	(103.48-121.71)	(108.85-131.46)	(85.92-131.30)	(61.76-101.85)
65-74	564	391	92	81
Rate*	161.9	163.6	172.1	144.8
95% C.I.	(148.49-175.20)	(147.35-179.77)	(136.89-207.21)	(113.25-176.31)
75-84	345	236	54	55
Rate*	160.5	162.9	154.1	156.8
95% C.I.	(143.55-177.42)	(142.14-183.72)	(112.96-195.14)	(115.35-198.23)
85+	93	57	25	11
Rate*	157.9	151.7	220.5	110.1
95% C.I.	(125.81-189.99)	(112.33-191.11)	(134.05-306.91)	(45.04-175.18)
Unknown	0	0	0	0

* Rates are per 100,000 female age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	42	43
Rate*	---	5.62	2.76
95% C.I.	---	(3.92-7.32)	(1.93-3.58)
35-44	3	260	263
Rate*	---	32.64	15.89
95% C.I.	---	(28.67-36.61)	(13.97-17.81)
45-54	4	509	513
Rate*	---	72.62	36.10
95% C.I.	---	(66.31-78.93)	(32.98-39.23)
55-64	1	586	587
Rate*	---	112.59	57.07
95% C.I.	---	(103.48-121.71)	(52.46-61.69)
65-74	5	564	569
Rate*	---	161.85	82.72
95% C.I.	---	(148.49-175.20)	(75.93-89.52)
75-84	6	345	351
Rate*	---	160.48	89.49
95% C.I.	---	(143.55-177.42)	(80.12-98.85)
85+	2	93	95
Rate*	---	157.90	107.98
95% C.I.	---	(125.81-189.99)	(86.26-129.69)
Unknown	0	0	0
Total	22	2,404	2,426
Rate*	0.41	46.56	23.11
95% C.I.	(0.24-0.58)	(44.70-48.42)	(22.19-24.03)

* Rates are per 100,000 female age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 75. Female Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	31.0	(21.43-40.67)	24.6	(17.5-34.0)
Churchill	44	71.8	(50.58-93.00)	70.3	(51.0-94.7)
Clark	1,709	47.5	(45.21-49.71)	48.0	(45.7-50.3)
Douglas	20	18.8	(10.56-27.03)	13.9	(8.5-21.9)
Elko	26	23.9	(14.70-33.07)	32.9	(20.9-50.5)
Esmeralda	2	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	10	26.0	(9.90-42.16)	29.7	(13.9-57.2)
Lander	5	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	65	70.9	(53.66-88.13)	60.3	(46.4-77.5)
Mineral	9	---	---	---	---
Nye	51	61.5	(44.62-78.37)	42.1	(31.1-57.0)
Pershing	5	---	---	---	---
Storey	1	---	---	---	---
Washoe	406	47.2	(42.57-51.74)	47.5	(43.0-52.4)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	2,404	46.6	(44.70-48.42)	46.1	(44.3-48.0)

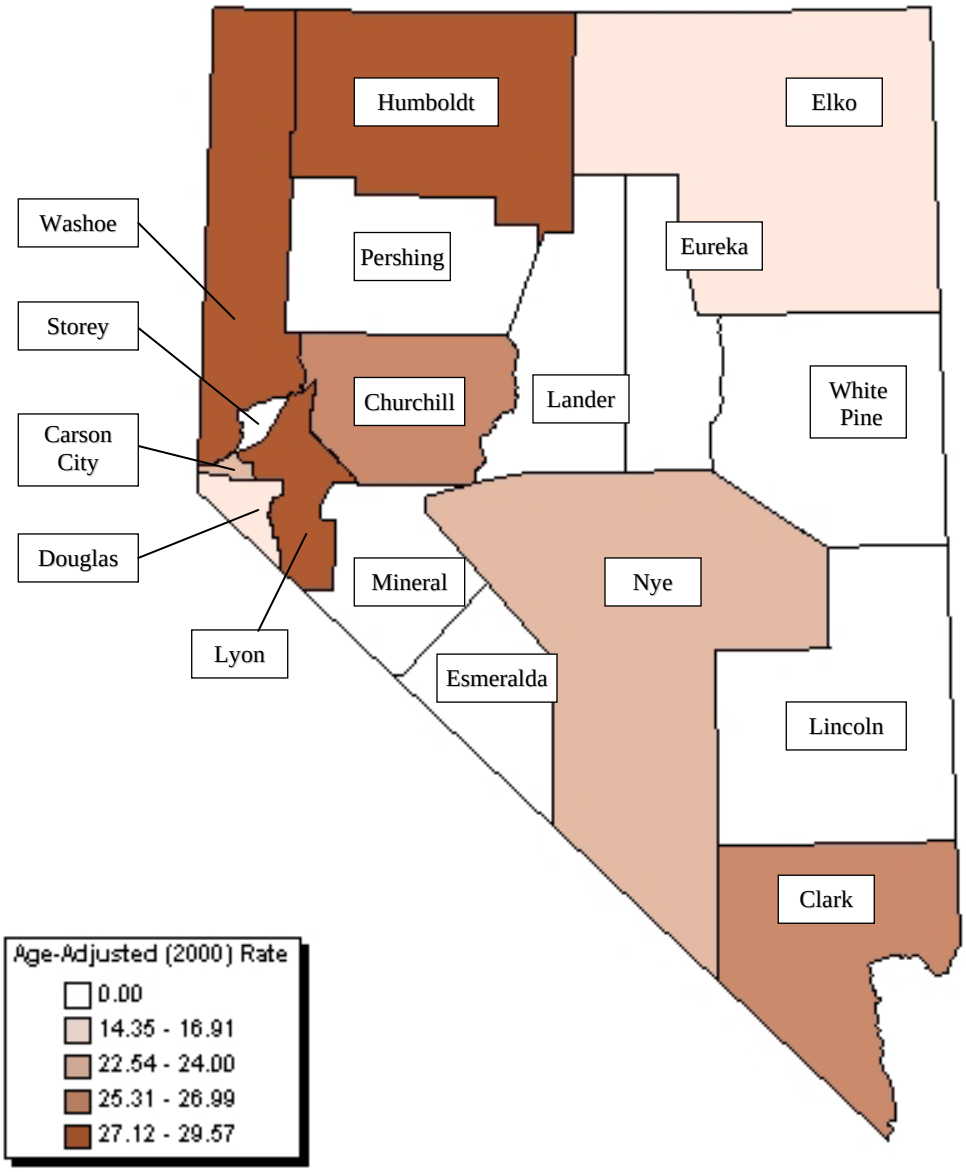
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	2	---	---	---	---	---	---
15-24	3	---	---	---	---	---	---
25-34	43	869,353	20,218	14,406	110	2.6	2.0
35-44	263	5,280,308	20,077	15,590	764	2.9	2.0
45-54	513	9,214,046	17,961	14,574	1,245	2.4	2.0
55-64	587	9,319,872	15,877	13,139	1,284	2.2	1.0
65-74	569	8,615,214	15,141	12,108	1,097	1.9	1.0
75-84	351	5,103,694	14,540	11,440	764	2.2	1.0
85+	95	1,701,779	17,913	11,012	321	3.4	1.0
Unknown	0	---	---	---	---	---	---
Total	2,426	40,174,888	16,560	13,050	5,593	2.3	1.0

MORTALITY

Figure 57. Female Breast Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 58. Female Breast Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

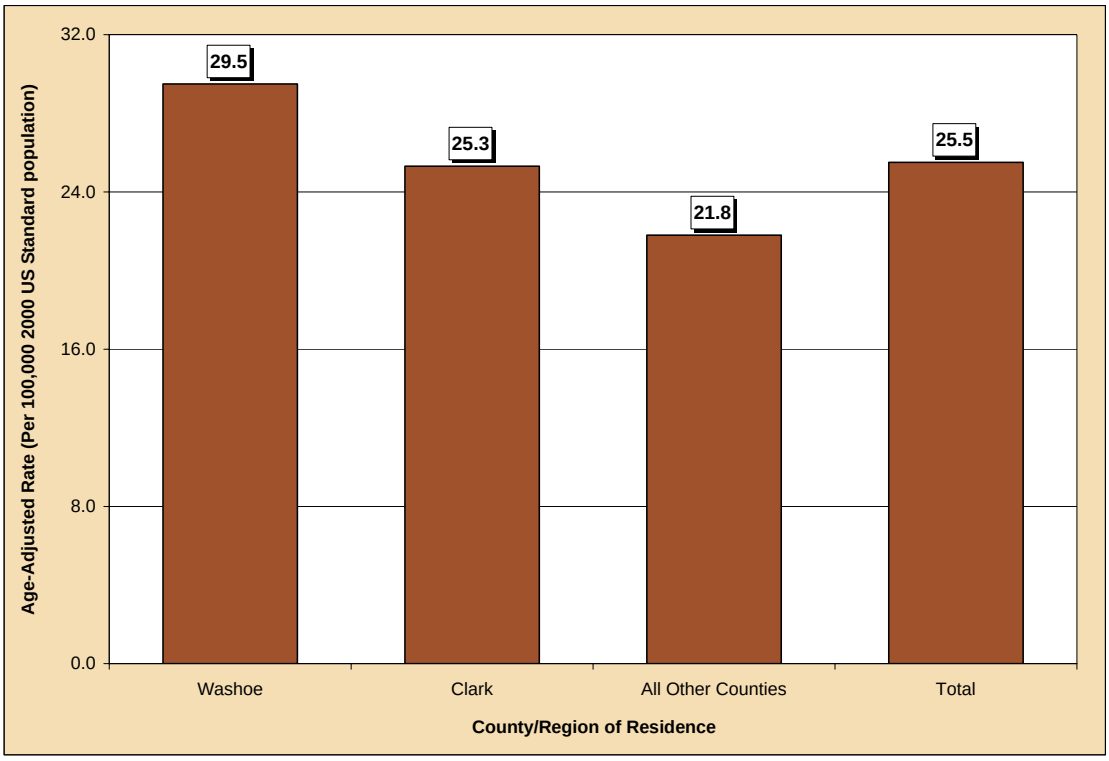


Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

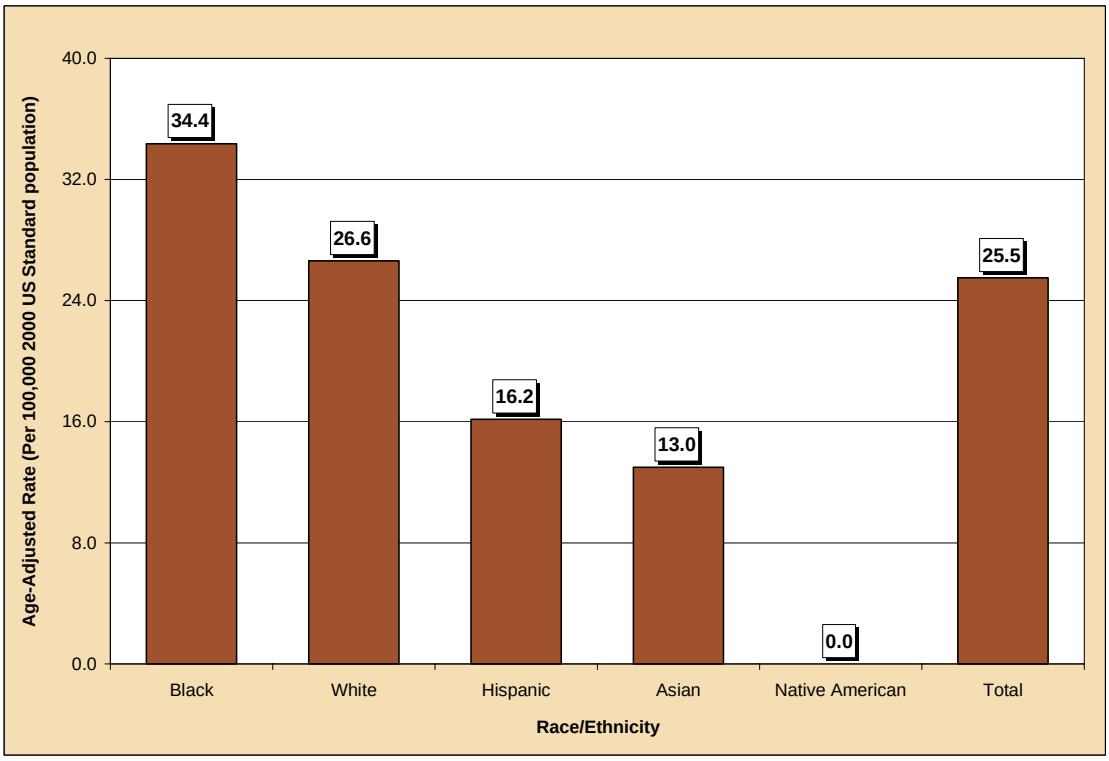


Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,306	882	247	177
Rate*	13.8	13.7	16.1	11.5
95% C.I.	(13.0-14.5)	(12.8-14.7)	(14.1-18.3)	(9.8-13.4)
Gender				
Male	---	---	---	---
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Female	1,292	1,292	1,292	1,292
Rate*	25.5	25.3	29.5	21.8
95% C.I.	(24.1-26.9)	(23.6-27.1)	(25.9-33.5)	(18.7-25.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,088	698	227	163
Rate*	26.6	26.4	31.4	22.3
95% C.I.	(25.1-28.3)	(24.5-28.5)	(27.4-35.8)	(19.0-26.1)
Black	92	86	4	2
Rate*	34.4	34.6	---	---
95% C.I.	(27.5-42.8)	(27.4-43.5)	---	---
Native American	9	4	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	35	30	4	1
Rate*	13.0	13.6	---	---
95% C.I.	(9.2-18.2)	(9.5-19.3)	---	---
Hispanic	68	53	11	4
Rate*	16.2	15.6	18.5	---
95% C.I.	(12.1-21.7)	(11.2-22.0)	(8.7-36.9)	---
Other/Unknown	0	0	0	0

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 78. Female Breast Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	1,292	871	246	175
Rate*	25.5	25.3	29.5	21.8
95% C.I.	(24.1-26.9)	(23.6-27.1)	(25.9-33.5)	(18.7-25.3)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	9	8	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	79	58	14	7
Rate*	9.9	10.6	10.1	---
95% C.I.	(7.73-12.10)	(7.87-13.33)	(4.80-15.36)	---
45-54	209	138	46	25
Rate*	29.8	29.4	37.1	23.4
95% C.I.	(25.78-33.86)	(24.46-34.26)	(26.35-47.76)	(14.25-32.61)
55-64	293	197	49	47
Rate*	56.3	54.5	60.5	60.1
95% C.I.	(49.85-62.74)	(46.92-62.16)	(43.54-77.41)	(42.90-77.25)
65-74	294	203	51	40
Rate*	84.4	84.9	95.4	71.5
95% C.I.	(74.72-94.01)	(73.23-96.60)	(69.20-121.55)	(49.34-93.65)
75-84	277	188	51	38
Rate*	128.9	129.8	145.5	108.3
95% C.I.	(113.68-144.02)	(111.24-148.35)	(105.56-185.42)	(73.88-142.77)
85+	130	78	34	18
Rate*	220.7	207.6	299.9	180.2
95% C.I.	(182.78-258.66)	(161.54-253.69)	(199.06-400.65)	(96.94-263.42)
Unknown	1	1	0	0

* Rates are per 100,000 female age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 79. Female Breast Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	37	28.7	(19.46-37.97)	22.5	(15.8-31.5)
Churchill	17	27.7	(14.55-40.92)	27.0	(15.7-43.6)
Clark	871	24.2	(22.58-25.80)	25.3	(23.6-27.1)
Douglas	21	19.7	(11.29-28.17)	14.3	(8.9-22.1)
Elko	12	11.0	(4.79-17.26)	16.9	(8.4-31.4)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	11	28.6	(11.71-45.55)	29.6	(14.4-56.0)
Lander	5	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	29	31.6	(20.12-43.14)	27.1	(18.1-39.3)
Mineral	5	---	---	---	---
Nye	26	31.4	(19.30-43.40)	24.0	(15.2-36.9)
Pershing	1	---	---	---	---
Storey	1	---	---	---	---
Washoe	246	28.6	(25.00-32.14)	29.5	(25.9-33.5)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	1,292	25.0	(23.66-26.39)	25.5	(24.1-26.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	9	1,088	0	1,097
	Rate*	---	26.6	---	14.2
	95% C.I.	---	(25.1-28.3)	---	(13.3-15.1)
Black	Incidence	5	92	0	97
	Rate*	---	34.4	---	19.8
	95% C.I.	---	(27.5-42.8)	---	(15.7-24.9)
Native American	Incidence	0	9	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	0	35	0	35
	Rate*	---	13.0	---	7.6
	95% C.I.	---	(9.2-18.2)	---	(5.4-10.6)
Hispanic	Incidence	0	68	0	68
	Rate*	---	16.2	---	8.7
	95% C.I.	---	(12.1-21.7)	---	(6.3-12.0)
Other/Unknown		0	0	0	0
Total	Incidence	14	1,292	0	1,306
	Rate*	0.3	25.5	---	13.8
	95% C.I.	(0.2-0.6)	(24.1-26.9)	---	(13.0-14.5)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	9	9
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	79	79
Rate*	---	9.92	4.77
95% C.I.	---	(7.73-12.10)	(3.72-5.83)
45-54	2	209	211
Rate*	---	29.82	14.85
95% C.I.	---	(25.78-33.86)	(12.85-16.85)
55-64	5	293	298
Rate*	---	56.30	28.97
95% C.I.	---	(49.85-62.74)	(25.68-32.26)
65-74	5	294	299
Rate*	---	84.37	43.47
95% C.I.	---	(74.72-94.01)	(38.54-48.40)
75-84	1	277	278
Rate*	---	128.85	70.87
95% C.I.	---	(113.68-144.02)	(62.54-79.21)
85+	1	130	131
Rate*	---	220.72	148.89
95% C.I.	---	(182.78-258.66)	(123.40-174.39)
Unknown	0	0	0
Total	14	1,292	1,306
Rate*	0.26	25.02	12.44
95% C.I.	(0.12-0.40)	(23.66-26.39)	(11.77-13.12)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

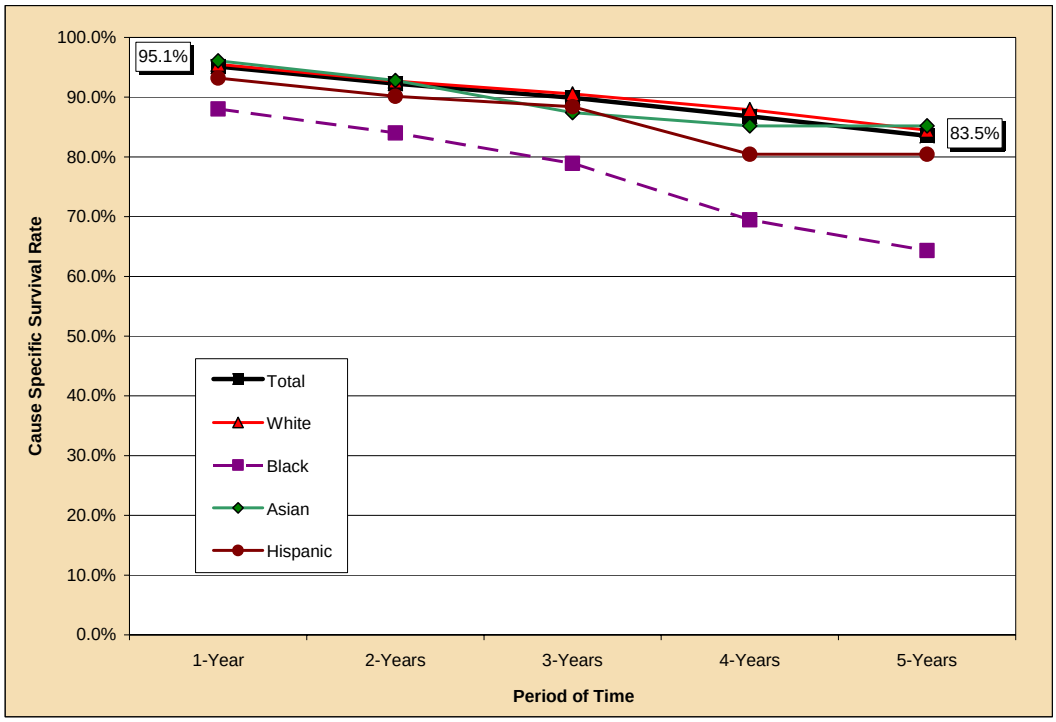
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	9	64.0	1,088	68.0	1,097	68.0
Black	5	68.0	92	61.5	97	62.0
Native American	0	---	9	60.0	9	60.0
Asian	0	---	35	57.0	35	57.0
Hispanic	0	---	68	57.5	68	57.5
Other/Unknown	0	---	0	---	0	---
Total	14	65.5	1,292	67.0	1,306	67.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 60. Survival Rates for Breast Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 61. Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

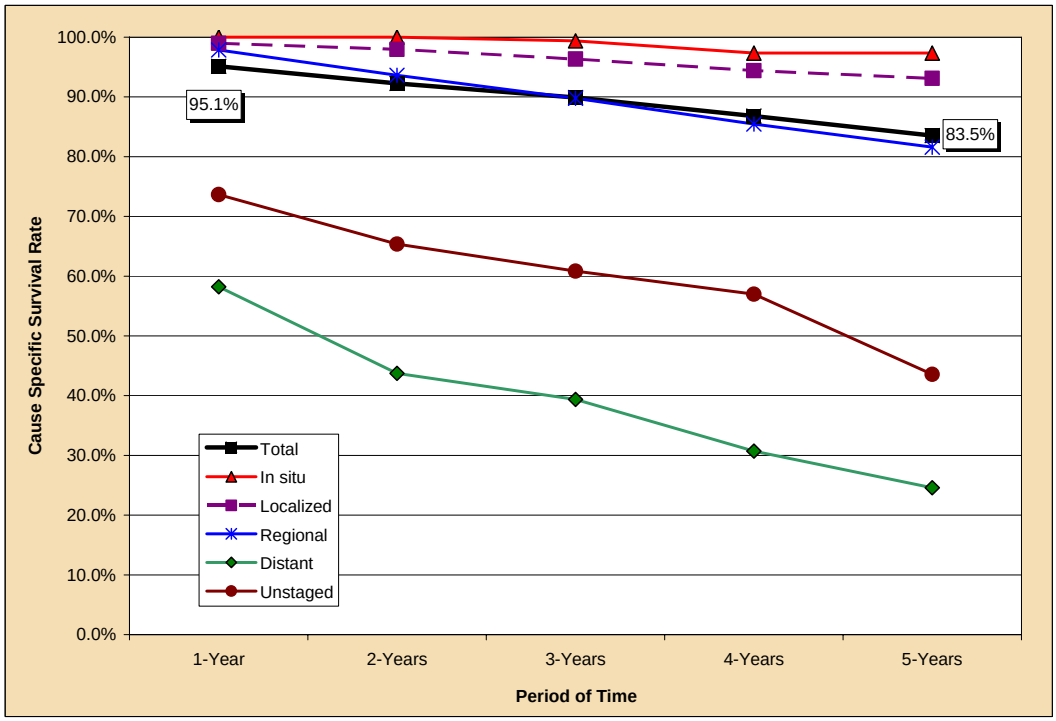


Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	6,505	95.1%	92.2%	89.9%	86.8%	83.5%	> 5 YEARS
Male	63	90.8%	88.3%	81.4%	68.9%	49.2%	4.96
Female	6,442	95.1%	92.3%	90.0%	87.0%	83.9%	> 5 YEARS
Race/Ethnicity							
White	5,542	95.5%	92.7%	90.5%	87.9%	84.5%	> 5 YEARS
Male	51	90.9%	87.8%	87.8%	79.8%	57.0%	> 5 YEARS
Female	5,491	95.5%	92.7%	90.6%	88.0%	84.7%	> 5 YEARS
Black	313	88.0%	84.0%	78.9%	69.5%	64.3%	> 5 YEARS
Male	8	---	---	---	---	---	.
Female	305	88.1%	84.0%	80.1%	71.6%	66.3%	> 5 YEARS
Native American	13	---	---	---	---	---	.
Male	0	---	---	---	---	---	---
Female	13	---	---	---	---	---	.
Asian	228	96.1%	92.8%	87.4%	85.2%	85.2%	> 5 YEARS
Male	2	---	---	---	---	---	.
Female	226	96.1%	92.7%	87.3%	85.1%	85.1%	> 5 YEARS
Hispanic	294	93.2%	90.1%	88.4%	80.4%	80.4%	> 5 YEARS
Male	2	---	---	---	---	---	.
Female	292	93.1%	90.1%	88.3%	80.4%	80.4%	> 5 YEARS

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 84. Cause-Specific Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	6,505	63	6,442
	One Year	95.1%	90.8%	95.1%
	5 Years	83.5%	49.2%	83.9%
	Median Survival	> 5 YEARS	4.96	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	1,075	5	1,070
	One Year	100.0%	---	100.0%
	5 Years	97.3%	---	97.7%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Localized	Cases	3,060	30	3,030
	One Year	99.0%	---	99.0%
	5 Years	93.1%	---	93.3%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Regional	Cases	1,624	20	1,604
	One Year	97.9%	---	98.0%
	5 Years	81.6%	---	81.6%
	Median Survival	> 5 YEARS	.	> 5 YEARS
Distant	Cases	309	4	305
	One Year	58.2%	---	58.1%
	5 Years	24.6%	---	24.8%
	Median Survival	1.57	.	1.55
Unstaged	Cases	437	4	433
	One Year	73.7%	---	73.7%
	5 Years	43.6%	---	45.5%
	Median Survival	4.52	.	4.61

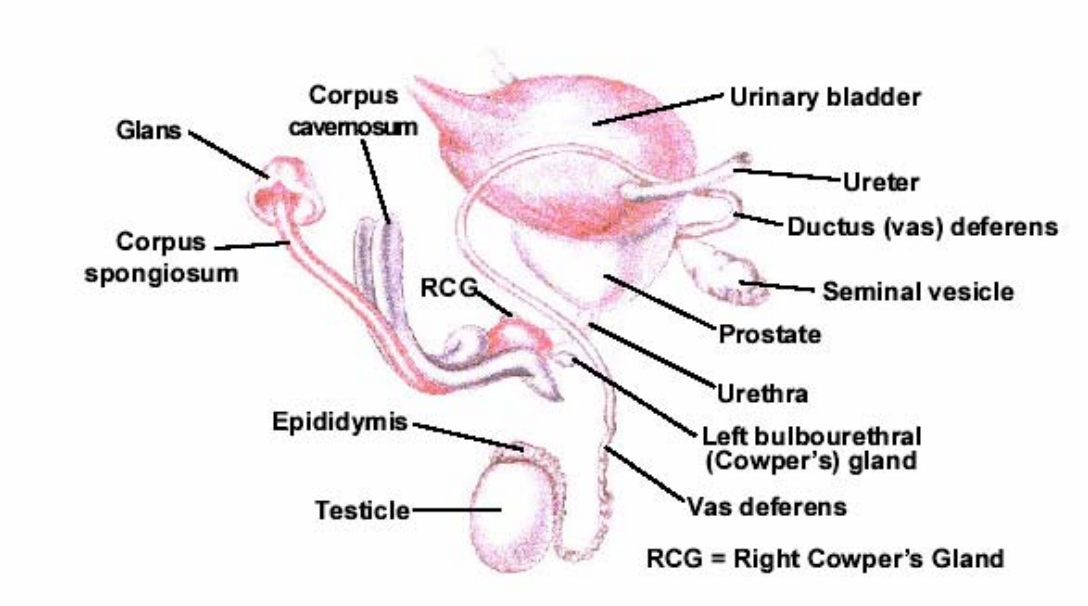
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PROSTATE CANCER

PROSTATE CANCER

GENERAL PROFILE[4]

Figure 62. Anatomy of the Male Urogenital System[5]



General Anatomy: The prostate is a gland in a man's reproductive system. It makes and stores seminal fluid, a milky fluid that nourishes sperm. This fluid is released to form part of semen. The prostate is about the size of a walnut. It is located below the bladder and in front of the rectum. It surrounds the upper part of the urethra, the tube that empties urine from the bladder. If the prostate grows too large, the flow of urine can be slowed or stopped. To work properly, the prostate needs male hormones (androgens), which are responsible for male sex characteristics. The main male hormone is testosterone, which is made mainly by the testicles. Some male hormones are produced in small amounts by the adrenal glands.

Risk Factors: Age, family history of Prostate Cancer, race, and diet and dietary factors are all important risk factors in being diagnosed with Prostate Cancer.

Signs and Symptoms: A need to urinate frequently, especially at night, difficulty starting urination or holding back urine, inability to urinate, weak or interrupted flow of urine, painful or burning urination, difficulty in having an erection, painful ejaculation, blood in urine or semen, or frequent pain or stiffness in the lower back, hips, or upper thighs.

Diagnosing the Cancer: Digital rectal exam, blood test for prostate-specific antigen (PSA test), transrectal ultrasonography, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: watchful waiting, surgery (Prostatectomy, Orchiectomy), radiation therapy, and hormonal therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate,150.1, to the age-adjusted mortality rate 28.2 (per 100,000 – 2000 US Standard male population) for Prostate Cancer, was 5.32 during the 1999 to 2003 period, which means that for every 532 cancer cases there were 100 deaths due to Prostate Cancer in Nevada during this period.

- The median age at diagnosis of Prostate Cancer was 68 years of age for Nevada residents from 1999 to 2003 and the median age at time of death due to Prostate Cancer was 78 years. Native American males had the lowest median age at time of diagnosis of Prostate Cancer (63 years) and the largest difference (24.5 years) between the median age at diagnosis and median age at time of death (87.5 years) during this period.

CANCER SCREENING

- Of the 1,829 men in Nevada who were surveyed in 2001 and 2002, 82.6% responded yes to ever having a Prostate-Specific Antigen (PSA) test and/or a digital rectal exam to try and detect early signs of Prostate Cancer.

- The percentage of men who stated their education level as less than high school or high school had the lowest percentages, 72.3% and 73.0%, of those ever having a PSA test and/or a digital rectal exam, while those who stated their education level as a college graduate had the highest percentage (89.7 %) when the questions were asked in 2001 and 2002.

- Those men whose income was $50,000 or more a year had the highest percentage of respondents who stated that they had ever received a PSA test or a digital rectal exam with a percentage of 86.5%.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 150.1 (146.4-153.9), showed statistically significance in being lower than the 1998-2002 national rate of 172.5 (171.6-173.5) (per 100,000 – 2000 US Standard male population) during this period.

- There were 7030 resident Prostate Cancer cases reported in Nevada from 1999 to 2003. Regional comparisons showed that Washoe County's age adjusted rate 178.8 (168.8-189.3), had a statistically significant higher rate than Nevada as a whole 150.1 (146.4-153.9), Clark County 144.9 (140.5-149.4), and the All Other Counties region 143.7 (135.0-153.0), (per 100,000 population – 2000 US Standard population), respectively during this period.

- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant age-adjusted incidence rates for Prostate Cancer with rates of 192.9 (173.4-215.2) and 152.6 (148.6-156.8), respectively, of all racial/ethnic groups during the 1999 to 2003 period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,651 hospital inpatient discharges for Prostate Cancer to Nevada residents from 1999 to 2003, with an age-adjusted inpatient discharge rate of 52.9 (per 100,000 – 2000 US Standard male population). Washoe County had the highest cancer age-adjusted inpatient discharge rate of 59.4, once regional comparisons were made and was followed by Clark County and the All Other Counties region with rates of 52.0 and 50.1, respectively.

- Total billed charges for hospital inpatient discharges due Prostate Cancer in Nevada totaled over 62.2 million dollars from 1999 to 2003. Nevadans in the 55-64 and 65-74 year age groups accounted for 74.8% of the total number of inpatient discharges and 77.3% of the total billed charges.

- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges ($27,780) than Clark County ($18,497) and All Other Counties ($16,660) from 1999 to 2003.

- The overall average billed charge per day for a hospital inpatient discharge due to Prostate Cancer was just over $7,021 in Nevada from 1999 to 2003.

MORTALITY

- There were 979 resident deaths due to Prostate Cancer in Nevada from 1999 to 2003. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 32.0, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 28.2, 27.5 and 26.8, respectively.

- Racial/ethnic comparisons showed that Blacks, as a racial/ethnic group, had the highest cancer age-adjusted mortality rate 51.8, of all racial/ethnic groups. They were followed by Whites, Hispanics and Asians who had age-adjusted mortality rates of 28.3, 20.7 and 11.7 (per 100,000 – 2000 US Standard male population), respectively, from 1999 to 2003.

SURVIVAL RATE

- The one-year survival rate for Prostate Cancer in Nevada was 95.0% during the 1999 to 2003 period, while the five-year survival rate was 87.1% during this same time. The median survival rate for Prostate Cancer in Nevada was greater than five years.

- The one-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 99.1%, while those diagnosed at the regional, distant and unstaged stages had rates of 99.0%, 64.7% and 64.6%, respectively.

- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 94.0%, while those recorded at the regional, distant and unstaged stages had rates of 91.8%, 27.0% and 52.1%, respectively.

- Those diagnosed with Prostate Cancer at the distant stage had a significantly lower median survival rate than those at all other stages with a rate of 1.71 years compared to over five years for the localized and regional stages.

SCREENING (BRFSS)

Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2001 and 2002

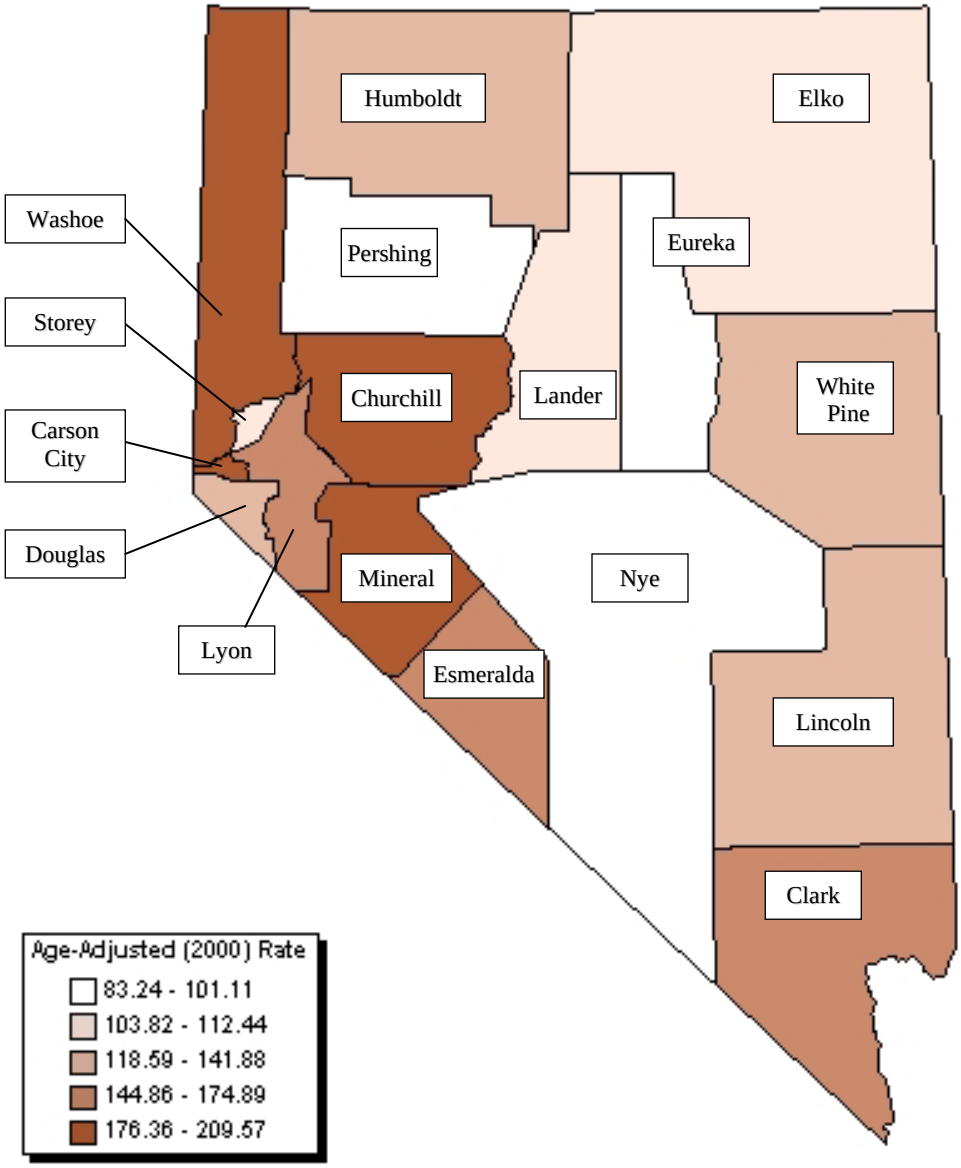
Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	1,542	82.6%	(80.0-85.1)	287	17.4%	(14.9-20.0)	1,829
County/Region of Residence							
Clark County	469	81.1%	(77.4-84.8)	106	18.9%	(15.2-22.6)	575
Washoe County	502	85.5%	(82.2-88.7)	82	14.5%	(11.3-17.8)	584
All Other Counties	571	85.4%	(82.2-88.6)	99	14.6%	(11.4-17.8)	670
Education							
Less than High School	95	72.3%	(61.1-83.5)	35	27.7%	(16.5-38.9)	130
High School	381	73.0%	(67.1-78.8)	111	27.0%	(21.2-32.9)	492
Some Post High School	485	84.5%	(80.2-88.7)	78	15.5%	(11.3-19.8)	563
College Graduate	579	89.7%	(86.2-93.2)	62	10.3%	(6.8-13.8)	641
Age Group							
18-24 years old	---	---	---	---	---	---	---
25-34 years old	---	---	---	---	---	---	---
35-44 years old	210	59.8%	(52.4-67.3)	112	40.2%	(32.7-47.6)	322
45-54 years old	471	78.2%	(73.0-83.4)	115	21.8%	(16.6-27.0)	586
55-64 years old	401	91.8%	(88.3-95.3)	39	8.2%	(4.7-11.7)	440
65+ years old	460	95.2%	(92.3-98.2)	21	4.8%	(1.8-7.7)	481
Income							
Less than $15,000	77	78.2%	(66.9-89.4)	28	21.8%	(10.6-33.1)	105
$15,000-$24,999	162	76.0%	(67.2-84.8)	44	24.0%	(15.2-32.8)	206
$25,000-$34,999	161	72.7%	(63.6-81.8)	45	27.3%	(18.2-36.4)	206
$35,000-$49,999	254	78.1%	(71.4-84.7)	53	21.9%	(15.3-28.6)	307
$50,000 or More	705	86.5%	(83.0-90.0)	91	13.5%	(10.0-17.0)	796

* Denominator includes persons age 35-65+ excluding those who responded "do not know/not sure" or who refused to respond. 95% of the time, the "true point estimate" will fall between the lower and upper bounds of the 95% Confidence Interval.
"N"= response numbers and "%"= Weighted prevalence rates
Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

1) A Prostate-Specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer. Have you ever had a PSA test?
2) A digital rectal exam is an exam in which a doctor, nurse, or other health professional places a gloved finger into the rectum to feel the size, and hardness of the prostate gland. Have you ever had a digital rectal exam?

INCIDENCE

Figure 63. Prostate Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 64. Prostate Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

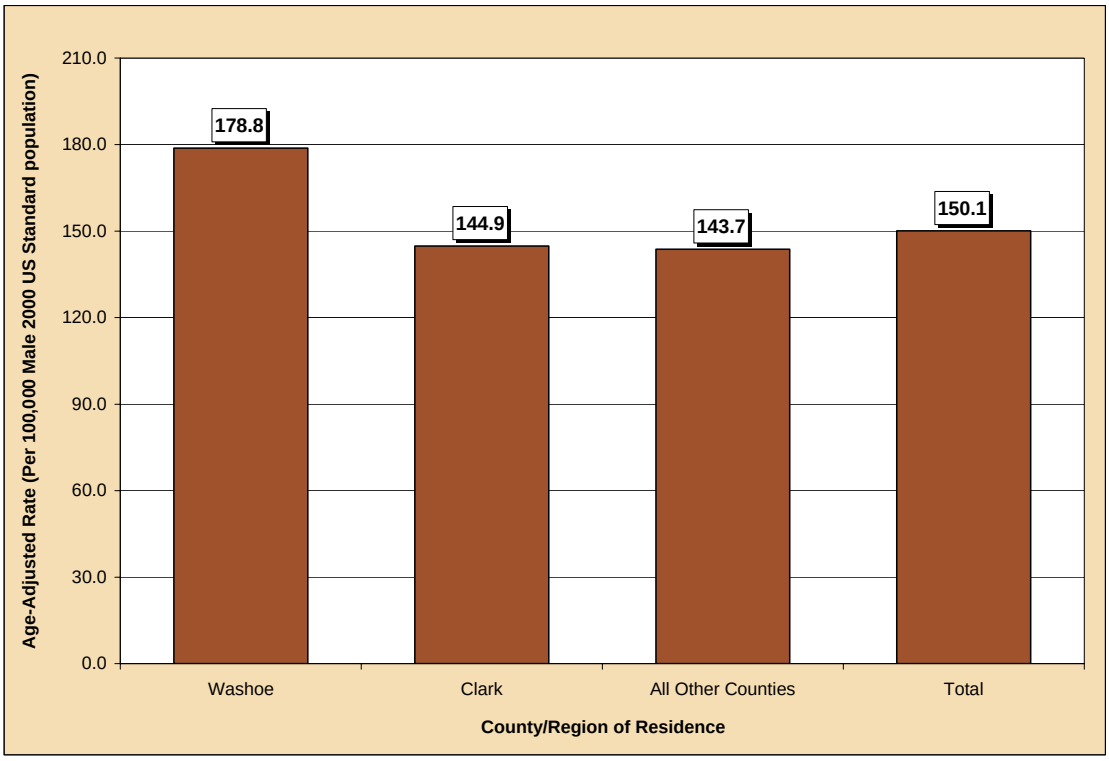


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

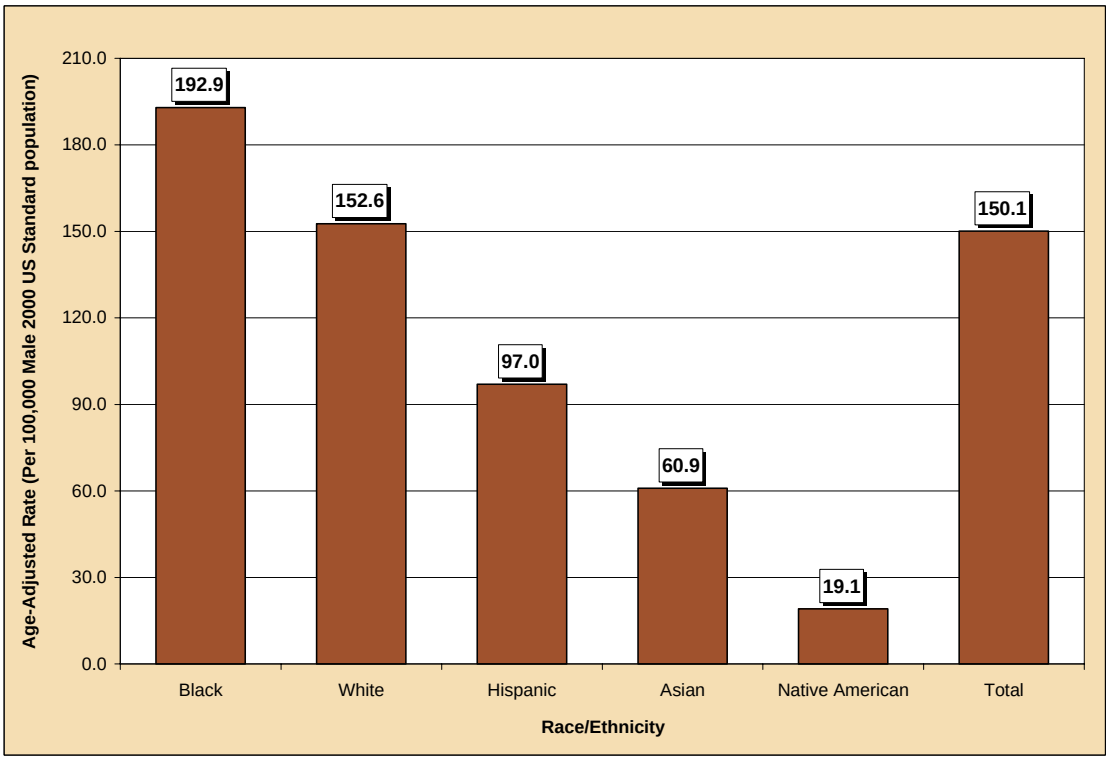


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,030	4,632	1,312	1,086	0	131,996
Rate*	70.2	70.2	70.2	70.2	---	76.1
95% C.I.	(68.5-71.9)	(68.5-71.9)	(68.5-71.9)	(68.5-71.9)	---	(75.7-76.5)
Gender						
Male	7,030	7,030	7,030	7,030	0	127,701
Rate*	150.1	150.1	150.1	150.1	---	172.5
95% C.I.	(146.4-153.9)	(146.4-153.9)	(146.4-153.9)	(146.4-153.9)	---	(171.6-173.5)
Female	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	5,991	3,757	1,202	1,032	0	100,957
Rate*	152.6	152.6	152.6	152.6	---	167.4
95% C.I.	(148.6-156.8)	(148.6-156.8)	(148.6-156.8)	(148.6-156.8)	---	(166.4-168.5)
Black	443	407	29	7	0	15,708
Rate*	192.9	192.9	192.9	---	---	271.3
95% C.I.	(173.4-215.2)	(173.4-215.2)	(173.4-215.2)	---	---	(266.9-275.8)
Native American	11	0	6	5	0	309
Rate*	19.1	---	---	---	---	51.2
95% C.I.	(9.4-35.0)	---	---	---	---	(45.2-57.9)
Asian	108	82	23	3	0	7,359
Rate*	60.9	60.9	60.9	---	---	100.7
95% C.I.	(48.3-78.3)	(48.3-78.3)	(48.3-78.3)	---	---	(98.4-103.1)
Hispanic	282	214	41	27	0	8,932
Rate*	97.0	97.0	97.0	97.0	---	137.6
95% C.I.	(83.8-112.8)	(83.8-112.8)	(83.8-112.8)	(83.8-112.8)	---	(134.6-140.7)
Other/Unknown	195	172	11	12	0	3,446

*Rates are per 100,000 male population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 87. Prostate Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	7,030	4,632	1,312	1,086	0	131,996
Rate*	150.1	144.9	178.8	143.7	---	172.5
95% C.I.	(146.4-153.9)	(140.5-149.4)	(168.8-189.3)	(135.0-153.0)	---	(171.6-173.5)
Age Group						
<1	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.3)
1-4	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
15-24	1	1	0	0	0	7
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	1	1	0	0	0	12
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	21	13	3	5	0	671
Rate*	2.5	2.2	---	---	---	2.2
95% C.I.	(1.40-3.49)	(0.99-3.33)	---	---	---	(2.0-2.3)
45-54	490	333	87	70	0	10,570
Rate*	68.0	69.1	67.5	64.2	---	41.0
95% C.I.	(62.02-74.07)	(61.65-76.48)	(53.29-81.65)	(49.16-79.25)	---	(40.2-41.8)
55-64	1,946	1,298	368	280	0	34,394
Rate*	383.1	377.2	441.5	347.7	---	218.6
95% C.I.	(366.03-400.07)	(356.65-397.68)	(396.40-486.61)	(306.97-388.42)	---	(216.3-220.9)
65-74	2,851	1,912	527	412	0	49,471
Rate*	840.1	823.5	1,034.1	732.8	---	446.4
95% C.I.	(809.28-870.96)	(786.62-860.45)	(945.76-1,122.34)	(662.04-803.56)	---	(442.5-450.4)
75-84	1,430	910	270	250	0	30,649
Rate*	806.7	754.9	1,021.4	825.6	---	402.2
95% C.I.	(764.91-848.53)	(705.85-803.94)	(899.56-1,143.22)	(723.29-927.99)	---	(397.7-406.7)
85+	289	163	57	69	0	6,217
Rate*	993.7	903.0	1,080.5	1,198.4	---	232.1
95% C.I.	(879.10-1,108.23)	(764.36-1,041.61)	(800.00-1,361.01)	(915.62-1,481.15)	---	(226.3-237.9)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific male population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 88. Prostate Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	278	223.8	(197.50-250.12)	209.6	(185.4-236.4)
Churchill	99	160.7	(129.07-192.39)	176.4	(142.4-217.8)
Clark	4,632	124.3	(120.69-127.85)	144.9	(140.5-149.4)
Douglas	182	168.7	(144.16-193.17)	138.9	(118.3-163.2)
Elko	62	52.2	(39.21-65.21)	112.1	(80.2-156.7)
Esmeralda	6	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	39	91.5	(62.79-120.24)	118.6	(82.2-170.3)
Lander	11	75.8	(31.03-120.67)	103.8	(46.8-212.3)
Lincoln	16	175.7	(89.59-261.74)	134.1	(75.8-229.3)
Lyon	173	184.6	(157.11-212.13)	155.2	(132.5-181.5)
Mineral	32	260.4	(170.15-350.57)	181.8	(122.5-264.4)
Nye	127	146.7	(121.20-172.23)	95.9	(79.3-116.7)
Pershing	9	---	---	---	---
Storey	14	149.0	(70.93-227.00)	112.4	(59.2-200.5)
Washoe	1,312	148.0	(140.03-156.05)	178.8	(168.8-189.3)
White Pine	33	172.3	(113.51-231.09)	141.9	(97.3-202.2)
Unknown	0	---	---	---	---
Total	7,030	131.8	(128.70-134.87)	150.1	(146.4-153.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 89. Prostate Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	5,991	0	0	5,991
	Rate*	152.6	---	---	72.3
	95% C.I.	(148.6-156.8)	---	---	(70.5-74.2)
Black	Incidence	443	0	0	443
	Rate*	192.9	---	---	87.9
	95% C.I.	(173.4-215.2)	---	---	(79.5-97.2)
Native American	Incidence	11	0	0	11
	Rate*	19.1	---	---	9.1
	95% C.I.	(9.4-35.0)	---	---	(4.5-16.6)
Asian	Incidence	108	0	0	108
	Rate*	60.9	---	---	25.3
	95% C.I.	(48.3-78.3)	---	---	(20.1-32.4)
Hispanic	Incidence	282	0	0	282
	Rate*	97.0	---	---	43.3
	95% C.I.	(83.8-112.8)	---	---	(37.8-49.6)
Other/Unknown		195	0	0	195
Total	Incidence	7,030	0	0	7,030
	Rate*	150.1	---	---	70.2
	95% C.I.	(146.4-153.9)	---	---	(68.5-71.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 90. Prostate Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	21	0	0	21
Rate*	2.45	---	---	1.27
95% C.I.	(1.40-3.49)	---	---	(0.73-1.81)
45-54	490	0	0	490
Rate*	68.04	---	---	34.48
95% C.I.	(62.02-74.07)	---	---	(31.43-37.54)
55-64	1,946	0	0	1,946
Rate*	383.05	---	---	189.21
95% C.I.	(366.03-400.07)	---	---	(180.80-197.62)
65-74	2,851	0	0	2,851
Rate*	840.12	---	---	414.49
95% C.I.	(809.28-870.96)	---	---	(399.27-429.70)
75-84	1,430	0	0	1,430
Rate*	806.72	---	---	364.57
95% C.I.	(764.91-848.53)	---	---	(345.68-383.47)
85+	289	0	0	289
Rate*	993.66	---	---	328.48
95% C.I.	(879.10-1,108.23)	---	---	(290.60-366.35)
Unknown	1	0	0	1
Total	7,030	0	0	7,030
Rate*	131.78	---	---	66.97
95% C.I.	(128.70-134.87)	---	---	(65.40-68.53)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 91. Prostate Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
35-44	Number	---	15	4	1	1	21
	Percent	---	71.4%	19.0%	4.8%	4.8%	100.0%
45-54	Number	---	396	54	13	27	490
	Percent	---	80.8%	11.0%	2.7%	5.5%	100.0%
55-64	Number	---	1,517	276	53	100	1,946
	Percent	---	78.0%	14.2%	2.7%	5.1%	100.0%
65-74	Number	---	2,323	214	96	218	2,851
	Percent	---	81.5%	7.5%	3.4%	7.6%	100.0%
75-84	Number	---	1,073	61	74	222	1,430
	Percent	---	75.0%	4.3%	5.2%	15.5%	100.0%
85+	Number	---	153	12	21	103	289
	Percent	---	52.9%	4.2%	7.3%	35.6%	100.0%
Unknown	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
Total	Number	---	5,480	621	258	671	7,030
	Percent	---	78.0%	8.8%	3.7%	9.5%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	4,658	347	8	77	223	167	5,480
	Percent	77.7%	78.3%	72.7%	71.3%	79.1%	85.6%	78.0%
Regional	Number	550	31	3	6	20	11	621
	Percent	9.2%	7.0%	27.3%	5.6%	7.1%	5.6%	8.8%
Distant	Number	219	16	0	9	11	3	258
	Percent	3.7%	3.6%	---	8.3%	3.9%	1.5%	3.7%
Unstaged	Number	564	49	0	16	28	14	671
	Percent	9.4%	11.1%	---	14.8%	9.9%	7.2%	9.5%
Total	Number	5,991	443	11	108	282	195	7,030
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

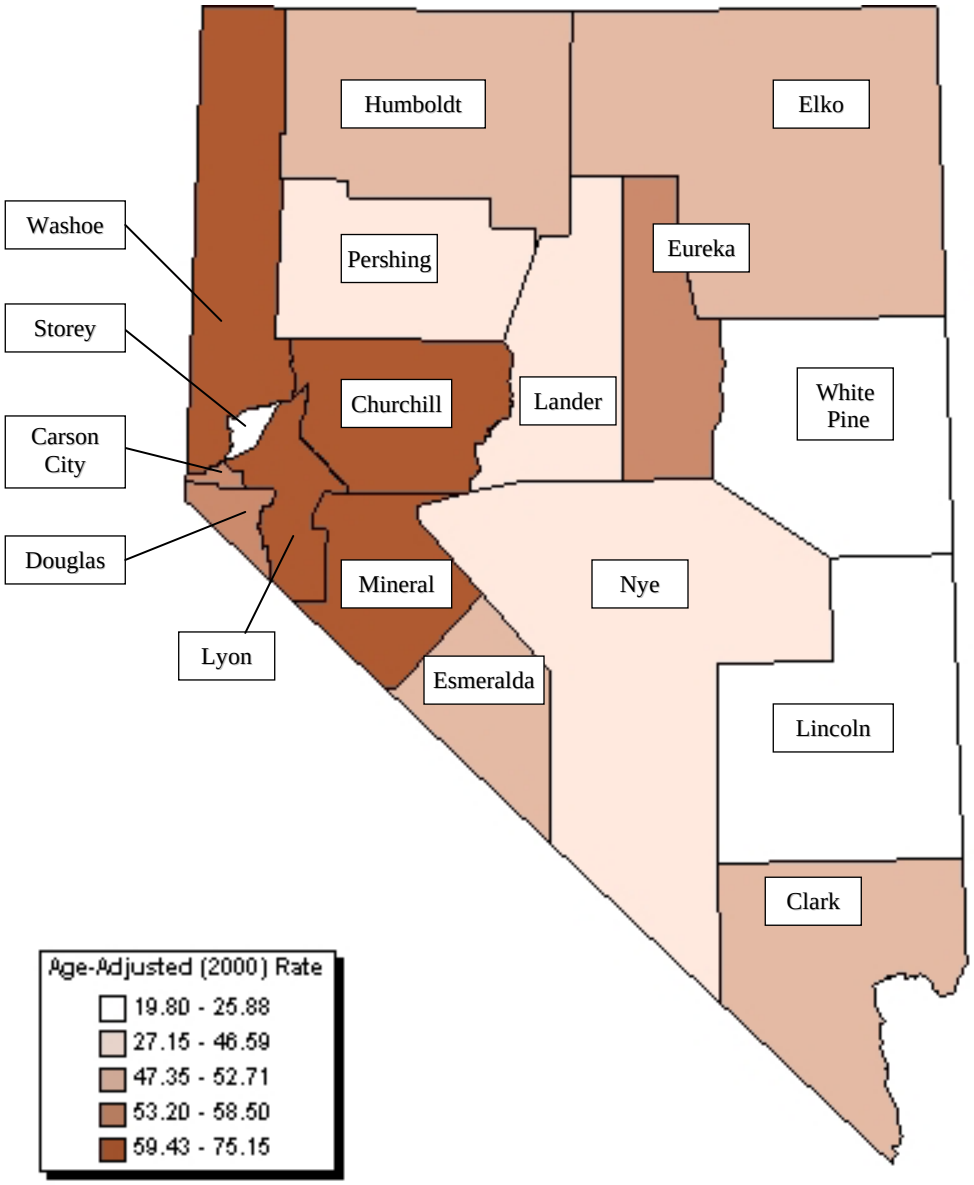
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	5,990	68.0	---	---	5,990	68.0
Black	443	65.0	---	---	443	65.0
Native American	11	63.0	---	---	11	63.0
Asian	108	67.0	---	---	108	67.0
Hispanic	282	67.0	---	---	282	67.0
Other/Unknown	195	68.0	---	---	195	68.0
Total	7,029	68.0	---	---	7,029	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 66. Prostate Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 67. Prostate Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

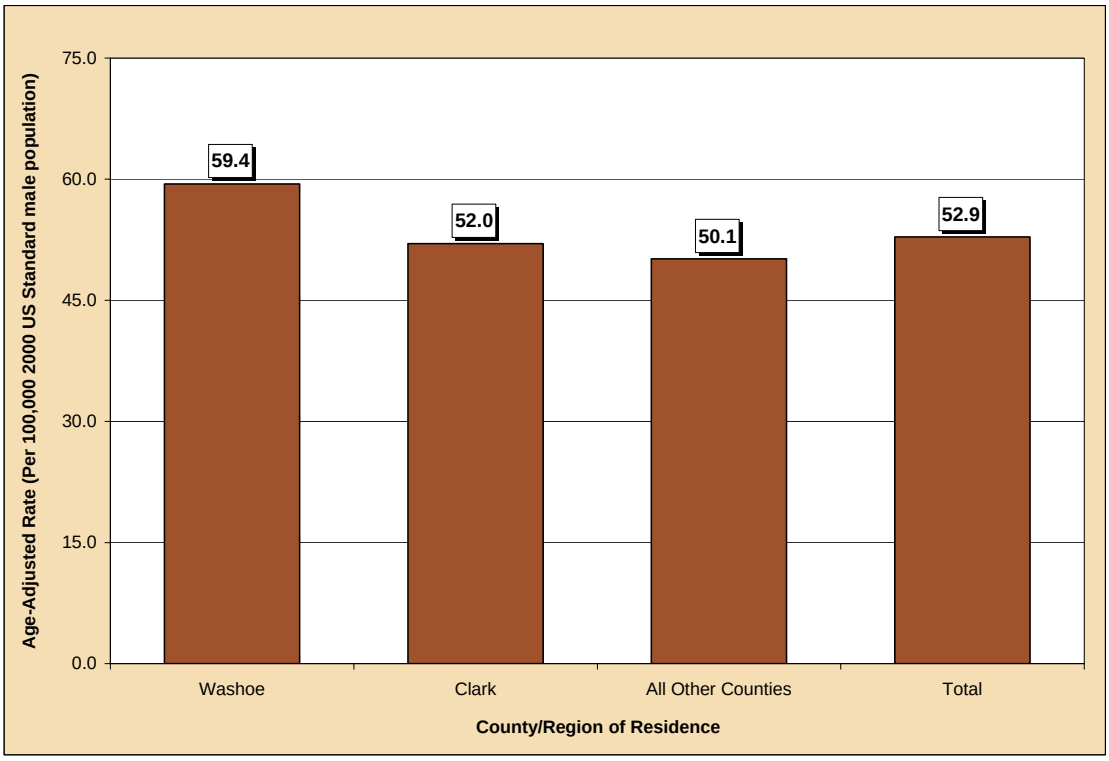


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

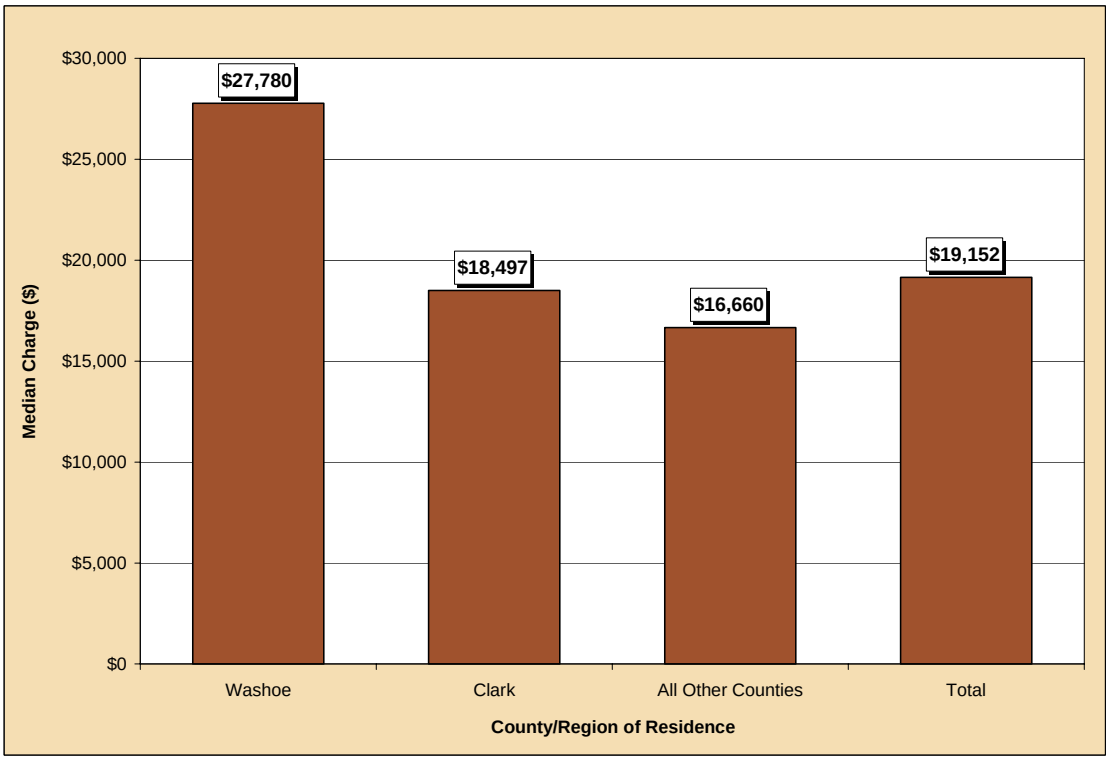


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

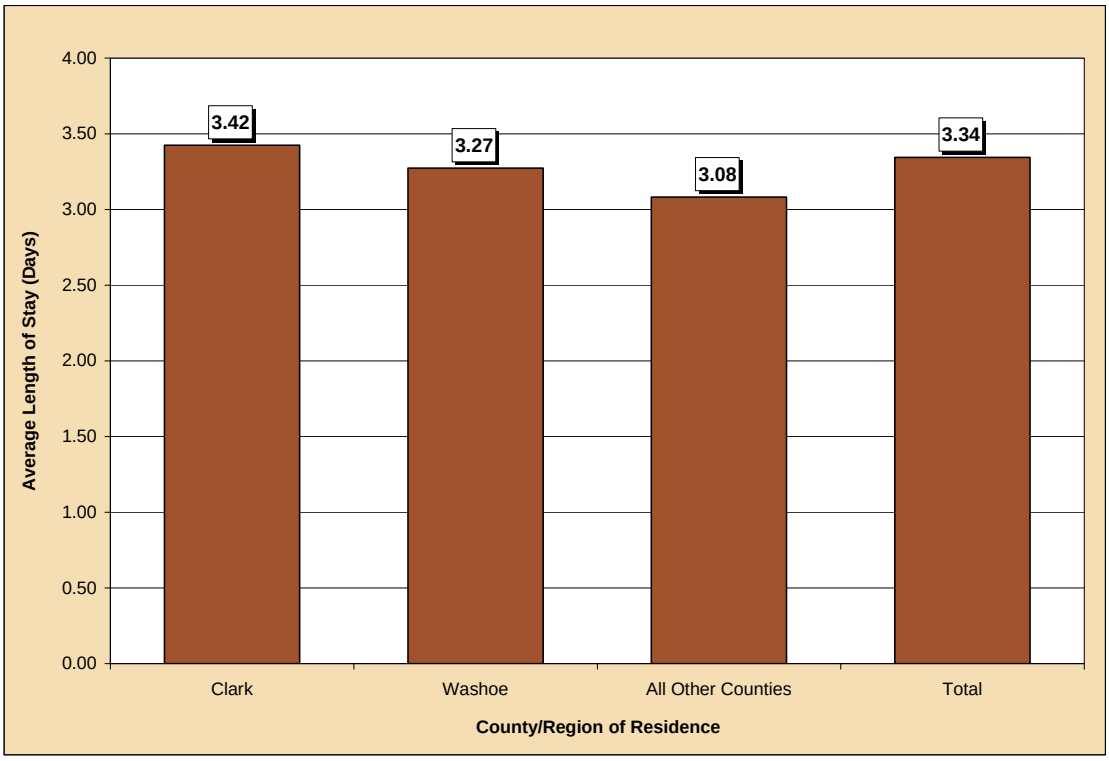


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,651	1,754	486	411	0
Rate*	25.3	24.7	28.7	24.6	---
95% C.I.	(24.3-26.3)	(23.5-25.9)	(26.2-31.4)	(22.2-27.1)	---
Gender					
Male	2,651	1,754	486	411	0
Rate*	52.9	52.0	59.4	50.1	---
95% C.I.	(50.8-55.0)	(49.5-54.7)	(54.1-65.3)	(45.3-55.6)	---
Female	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	---	---	---	---	---
Inpatient Discharge Charges ($)					
Total Charges	$62,242,611	$41,119,735	$13,500,869	$7,622,007	---
Average Charges	$23,479	$23,443	$27,780	$18,545	---
Median Charges	$19,152	$18,497	$27,780	$16,660	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	8,865	6,007	1,591	1,267	---
Average LOS	3.3	3.4	3.3	3.1	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	2,651	1,754	486	411
Rate*	49.7	23.9	27.8	28.9
95% C.I.	(47.80-51.59)	(22.82-25.06)	(25.34-30.29)	(26.10-31.69)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	9	1	4
Rate*	1.6	---	---	---
95% C.I.	(0.78-2.49)	---	---	---
45-54	313	207	67	39
Rate*	43.5	42.9	52.0	35.8
95% C.I.	(38.65-48.28)	(37.08-48.78)	(39.52-64.40)	(24.54-47.00)
55-64	1,044	679	200	165
Rate*	205.5	197.3	240.0	204.9
95% C.I.	(193.03-217.97)	(182.46-212.14)	(206.69-273.20)	(173.63-236.16)
65-74	939	608	171	160
Rate*	276.7	261.9	335.5	284.6
95% C.I.	(259.00-294.40)	(241.06-282.69)	(285.24-385.82)	(240.49-328.68)
75-84	273	207	37	29
Rate*	154.0	171.7	140.0	95.8
95% C.I.	(135.74-172.28)	(148.32-195.11)	(94.87-185.07)	(60.92-130.63)
85+	68	44	10	14
Rate*	233.8	243.8	189.6	243.2
95% C.I.	(178.23-289.37)	(171.73-315.77)	(72.07-307.05)	(115.78-370.52)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	14	---	14
Rate*	1.63	---	0.85
95% C.I.	(0.78-2.49)	---	(0.40-1.29)
45-54	313	---	313
Rate*	43.47	---	22.03
95% C.I.	(38.65-48.28)	---	(19.59-24.47)
55-64	1,044	---	1,044
Rate*	205.50	---	101.51
95% C.I.	(193.03-217.97)	---	(95.35-107.67)
65-74	939	---	939
Rate*	276.70	---	136.51
95% C.I.	(259.00-294.40)	---	(127.78-145.25)
75-84	273	---	273
Rate*	154.01	---	69.60
95% C.I.	(135.74-172.28)	---	(61.34-77.86)
85+	68	---	68
Rate*	233.80	---	77.29
95% C.I.	(178.23-289.37)	---	(58.92-95.66)
Unknown	0	---	0
Total	2,651	---	2,651
Rate*	49.70	---	25.25
95% C.I.	(47.80-51.59)	---	(24.29-26.21)

* Rates are per 100,000 male age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 97. Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	80	64.4	(50.29-78.52)	58.3	(46.3-72.6)
Churchill	39	63.3	(43.45-83.19)	64.1	(45.3-90.7)
Clark	1,754	47.1	(44.86-49.26)	52.0	(49.5-54.7)
Douglas	83	76.9	(60.37-93.47)	58.5	(46.0-74.6)
Elko	28	23.6	(14.85-32.31)	47.4	(26.1-83.0)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	20	46.9	(26.36-67.50)	50.7	(29.6-87.7)
Lander	5	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	84	89.6	(70.47-108.81)	71.6	(57.0-90.0)
Mineral	13	105.8	(48.27-163.27)	75.1	(39.0-136.0)
Nye	38	43.9	(29.94-57.86)	27.1	(19.0-38.0)
Pershing	6	---	---	---	---
Storey	3	---	---	---	---
Washoe	486	54.8	(49.96-59.71)	59.4	(54.1-65.3)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	2,651	49.7	(47.80-51.59)	52.9	(50.8-55.0)

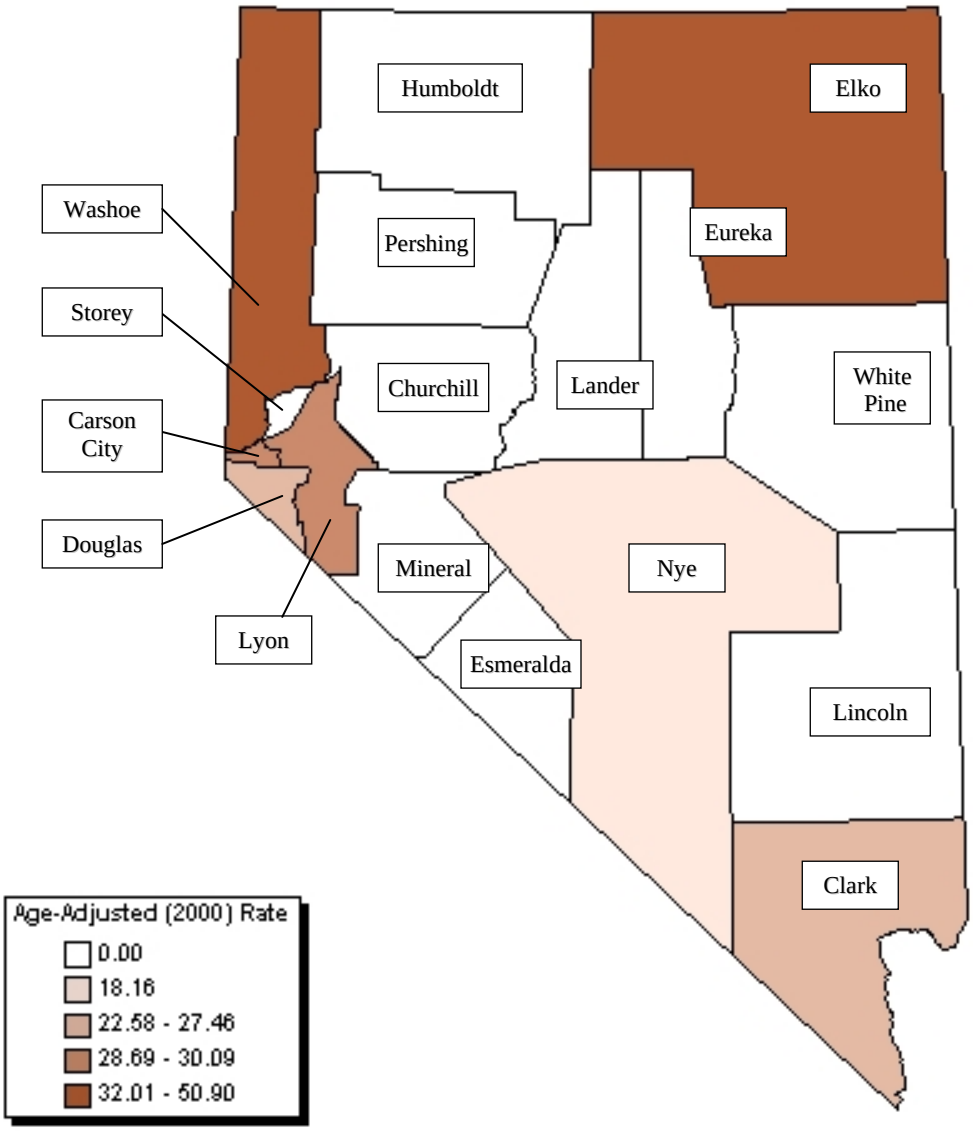
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	0	---	---	---	---	---	---
35-44	14	279,793	19,985	17,174	42	3.0	3.0
45-54	313	7,034,032	22,473	20,474	989	3.2	3.0
55-64	1,044	27,995,611	26,816	20,339	3,443	3.3	3.0
65-74	939	20,105,527	21,412	18,733	3,036	3.2	3.0
75-84	273	5,581,952	20,447	13,292	1,043	3.8	2.0
85+	68	1,245,696	18,319	11,446	312	4.6	2.0
Unknown	0	---	---	---	---	---	---
Total	2,651	62,242,611	23,479	19,152	8,865	3.3	3.0

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 71. Prostate Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

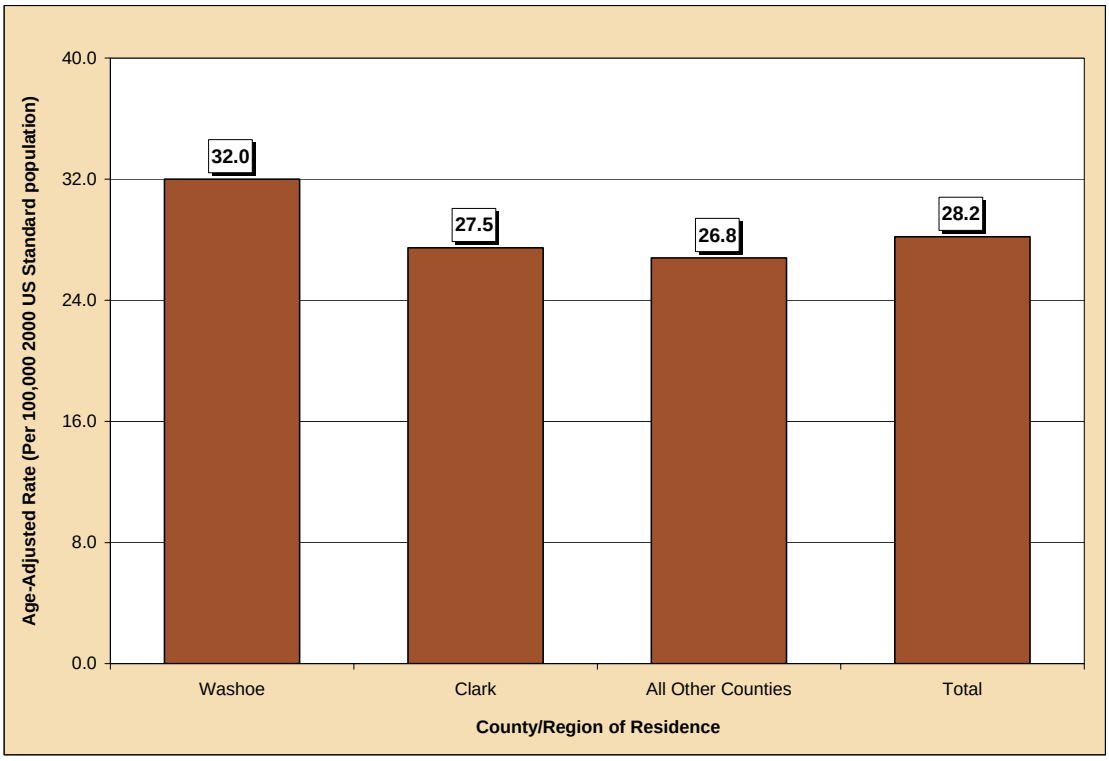


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

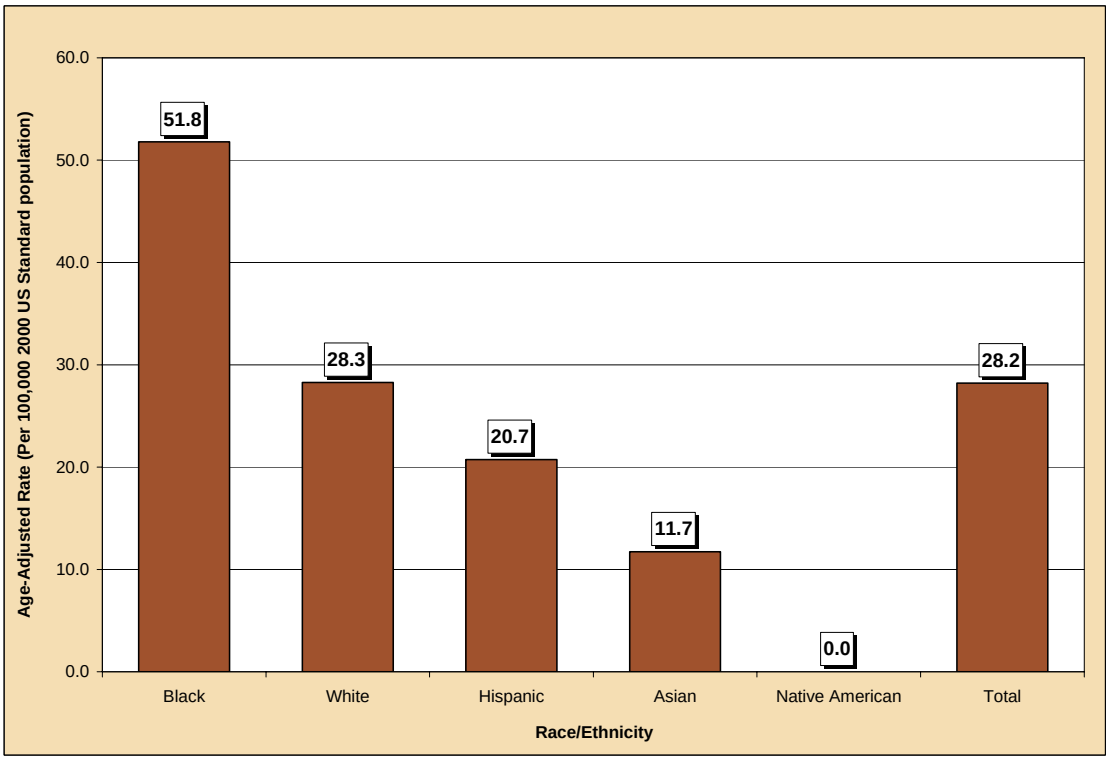


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	979	651	172	156
Rate*	11.7	11.4	12.7	11.5
95% C.I.	(11.0-12.5)	(10.5-12.4)	(10.8-14.8)	(9.7-13.5)
Gender				
Male	979	979	979	979
Rate*	28.2	28.2	28.2	28.2
95% C.I.	(26.3-30.2)	(26.3-30.2)	(26.3-30.2)	(26.3-30.2)
Female	---	---	---	---
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	850	538	163	149
Rate*	28.3	28.3	28.3	28.3
95% C.I.	(26.3-30.4)	(26.3-30.4)	(26.3-30.4)	(26.3-30.4)
Black	79	74	4	1
Rate*	51.8	51.8	---	---
95% C.I.	(39.3-68.0)	(39.3-68.0)	---	---
Native American	4	0	1	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	16	12	2	2
Rate*	11.7	11.7	---	---
95% C.I.	(6.0-23.5)	(6.0-23.5)	---	---
Hispanic	30	27	2	1
Rate*	20.7	20.7	---	---
95% C.I.	(13.0-32.1)	(13.0-32.1)	---	---
Other/Unknown	0	0	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 male population and age-adjusted to the 2000 US Standard population.

Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	979	651	172	156
Rate*	28.2	27.5	32.0	26.8
95% C.I.	(26.3-30.2)	(25.2-30.0)	(27.1-37.6)	(22.5-31.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	18	8	7	3
Rate*	2.5	---	---	---
95% C.I.	(1.34-3.65)	---	---	---
55-64	85	61	14	10
Rate*	16.7	17.7	16.8	12.4
95% C.I.	(13.17-20.29)	(13.28-22.17)	(8.00-25.59)	(4.72-20.11)
65-74	261	189	38	34
Rate*	76.9	81.4	74.6	60.5
95% C.I.	(67.58-86.24)	(69.80-93.01)	(50.85-98.27)	(40.15-80.80)
75-84	409	276	67	66
Rate*	230.7	229.0	253.5	218.0
95% C.I.	(208.37-253.10)	(201.94-255.97)	(192.77-314.15)	(165.38-270.56)
85+	206	117	46	43
Rate*	708.3	648.2	872.0	746.8
95% C.I.	(611.56-805.01)	(530.71-765.60)	(619.99-1,123.98)	(523.60-970.04)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	38	30.6	(20.87-40.32)	28.7	(20.2-40.1)
Churchill	9	---	---	---	---
Clark	651	17.5	(16.12-18.81)	27.5	(25.2-30.0)
Douglas	19	17.6	(9.69-25.53)	22.6	(13.0-37.0)
Elko	14	11.8	(5.61-17.97)	50.9	(25.5-92.6)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	7	---	---	---	---
Lander	3	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	27	28.8	(17.95-39.68)	30.1	(19.4-45.3)
Mineral	5	---	---	---	---
Nye	18	20.8	(11.19-30.40)	18.2	(10.0-31.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	172	19.4	(16.51-22.31)	32.0	(27.1-37.6)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	979	18.4	(17.20-19.50)	28.2	(26.3-30.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	850	0	0	850
	Rate*	28.3	---	---	11.8
	95% C.I.	(26.3-30.4)	---	---	(11.0-12.7)
Black	Incidence	79	0	0	79
	Rate*	51.8	---	---	20.9
	95% C.I.	(39.3-68.0)	---	---	(16.2-26.6)
Native American	Incidence	4	0	0	4
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	16	0	0	16
	Rate*	11.7	---	---	4.9
	95% C.I.	(6.0-23.5)	---	---	(2.5-9.6)
Hispanic	Incidence	30	0	0	30
	Rate*	20.7	---	---	8.0
	95% C.I.	(13.0-32.1)	---	---	(5.1-12.0)
Other/Unknown		0	0	0	0
Total	Incidence	979	0	0	979
	Rate*	28.2	---	---	11.7
	95% C.I.	(26.3-30.2)	---	---	(11.0-12.5)

Note: The "---" is used for rates calculated on numbers less than ten.*Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	---	0
Rate*	---	---	---
95% C.I.	---	---	---
45-54	18	---	18
Rate*	2.50	---	1.27
95% C.I.	(1.34-3.65)	---	(0.68-1.85)
55-64	85	---	85
Rate*	16.73	---	8.26
95% C.I.	(13.17-20.29)	---	(6.51-10.02)
65-74	261	---	261
Rate*	76.91	---	37.95
95% C.I.	(67.58-86.24)	---	(33.34-42.55)
75-84	409	---	409
Rate*	230.73	---	104.27
95% C.I.	(208.37-253.10)	---	(94.17-114.38)
85+	206	---	206
Rate*	708.29	---	234.14
95% C.I.	(611.56-805.01)	---	(202.16-266.11)
Unknown	0	---	0
Total	979	---	979
Rate*	18.35	---	9.33
95% C.I.	(17.20-19.50)	---	(8.74-9.91)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

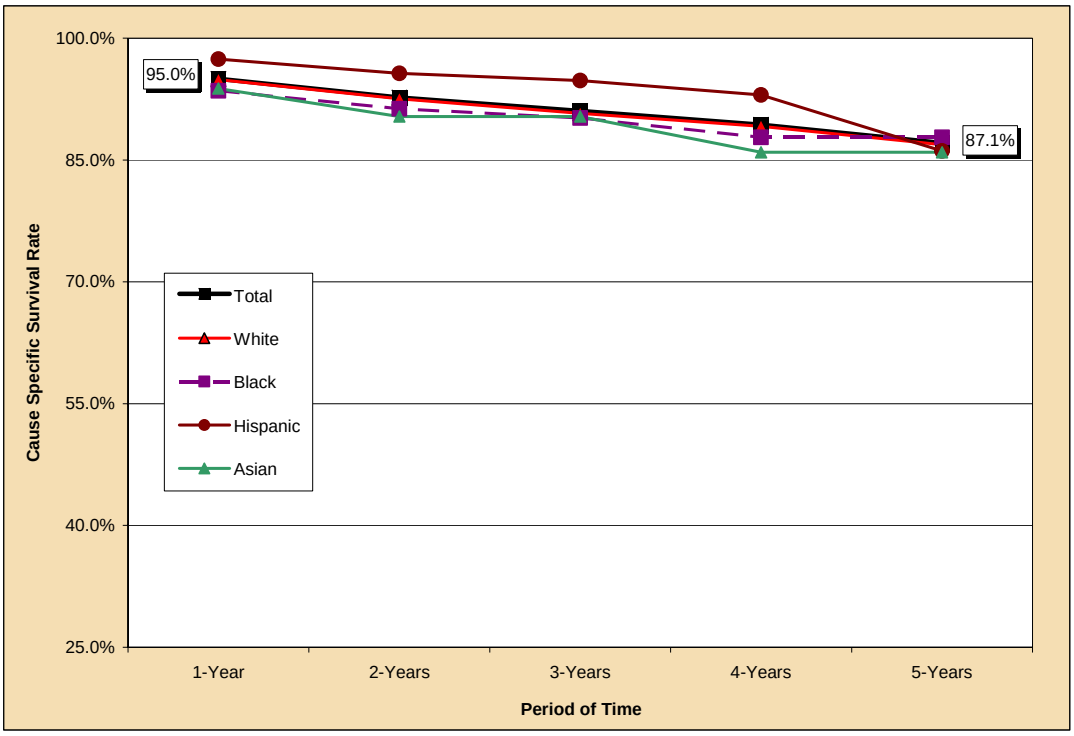
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	850	78.0	---	---	850	78.0
Black	79	75.0	---	---	79	75.0
Native American	4	---	---	---	4	---
Asian	16	75.5	---	---	16	75.5
Hispanic	30	78.5	---	---	30	78.5
Other/Unknown	0	---	---	---	0	---
Total	979	78.0	---	---	979	78.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 74. Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

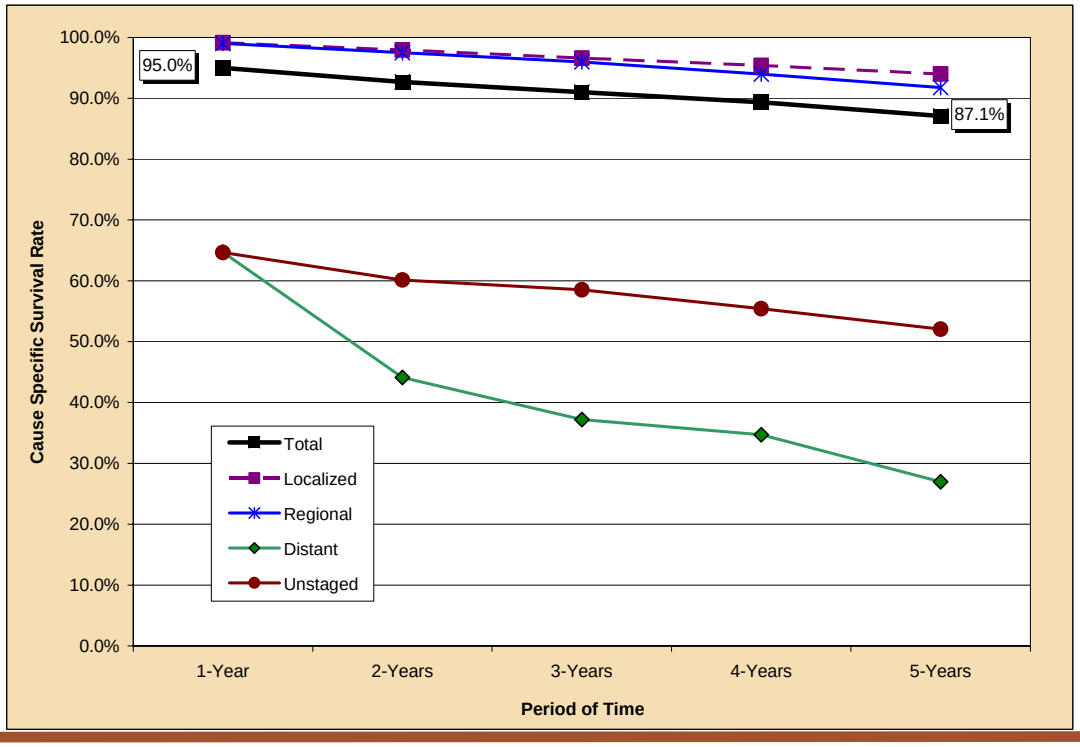


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	6,266	95.0%	92.7%	91.0%	89.4%	87.1%	> 5 YEARS
Male	6,266	95.0%	92.7%	91.0%	89.4%	87.1%	> 5 YEARS
Female	---	---	---	---	---	---	---
Race/Ethnicity							
White	5,322	94.9%	92.6%	90.8%	89.2%	86.9%	> 5 YEARS
Male	5,322	94.9%	92.6%	90.8%	89.2%	86.9%	> 5 YEARS
Female	---	---	---	---	---	---	---
Black	392	93.5%	91.3%	90.2%	87.8%	87.8%	> 5 YEARS
Male	392	93.5%	91.3%	90.2%	87.8%	87.8%	> 5 YEARS
Female	---	---	---	---	---	---	---
Native American	11	---	---	---	---	---	.
Male	11	---	---	---	---	---	.
Female	---	---	---	---	---	---	---
Asian	92	93.8%	90.4%	90.4%	85.9%	85.9%	> 5 YEARS
Male	92	93.8%	90.4%	90.4%	85.9%	85.9%	> 5 YEARS
Female	---	---	---	---	---	---	---
Hispanic	261	97.4%	95.7%	94.8%	93.0%	86.1%	> 5 YEARS
Male	261	97.4%	95.7%	94.8%	93.0%	86.1%	> 5 YEARS
Female	---	---	---	---	---	---	---

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	6,266	6,266	---
	One Year	95.0%	95.0%	---
	5 Years	87.1%	87.1%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	4,966	4,966	---
	One Year	99.1%	99.1%	---
	5 Years	94.0%	94.0%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Regional	Cases	579	579	---
	One Year	99.0%	99.0%	---
	5 Years	91.8%	91.8%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---
Distant	Cases	216	216	---
	One Year	64.7%	64.7%	---
	5 Years	27.0%	27.0%	---
	Median Survival	1.71	1.71	---
Unstaged	Cases	505	505	---
	One Year	64.6%	64.6%	---
	5 Years	52.1%	52.1%	---
	Median Survival	> 5 YEARS	> 5 YEARS	---

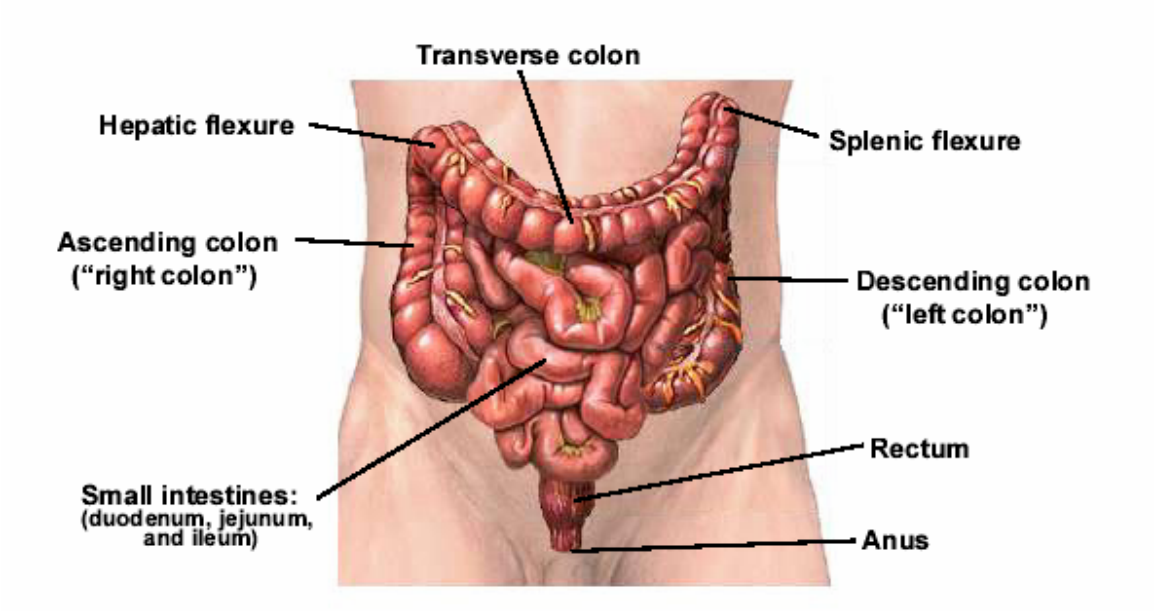
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

COLORECTAL CANCER

COLORECTAL CANCER

GENERAL PROFILE[4]

Figure 75. Anatomy of the Digestive System[5]



General Anatomy: The colon and rectum are parts of the body's digestive system, which removes nutrients from food and stores waste until it passes out of the body. Together, the colon and rectum form a long, muscular tube called the large intestine (also called the large bowel). The colon is the first 6 feet of the large intestine, and the rectum is the last 8 to 10 inches.

Risk Factors: Age, diet, polyps (benign growths on the inner wall of the colon and rectum), personal medical history, family medical history, and ulcerative colitis (the lining of the colon becomes inflamed).

Signs and Symptoms: A change in bowel habits, diarrhea, constipation, or feeling that the bowel does not empty completely, blood (either bright red or very dark) in the stool, stools that are narrower than usual, general abdominal discomfort (frequent gas pains, bloating, fullness, and/or cramps), weight loss with no known reason, constant tiredness, and vomiting.

Diagnosing the Cancer: Fecal occult blood test, sigmoidoscopy, colonscopy, double contrast barium enema (DCBE), polypectomy, biopsy, and a digital rectal exam.

Treatment: Treatment options include: surgery (Colostomy), chemotherapy, radiation therapy, biological therapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 52.7, to the age-adjusted mortality rate, 21.7 (per 100,000 – 2000 US Standard population), for Colorectal Cancer was 2.43 during the 1999 to 2003 period, which means that for every 243 Colorectal Cancer cases during this period, there were 100 deaths due to Colorectal Cancer in Nevada.

- Nevadan females had a higher ratio (2.59) than males (2.30) when the age-adjusted incidence and age-adjusted mortality rates for Colorectal Cancer were compared. For every 259 female Colorectal Cancer cases, during the 1999-2003 period, there were 100 female deaths and for every 230 male Colorectal Cancer cases there were 100 male deaths in Nevada from 1999 to 2003.

- The median age at diagnosis of Colorectal Cancer was 70 years of age for Nevada residents from 1999 to 2003; the median age at time of death was 73 years.

CANCER SCREENING

- Of the 1,600 individuals in Nevada who were surveyed in 1999, 2001 and 2002, 45.9% responded No to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy to try and detect early signs of Colorectal Cancer.

- Males had a slightly lower percentage of respondents who said yes to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy than females (54.8%) with a percentage of 54.1% when the questions were asked in 1999, 2001 and 2002.

- Each age group showed statistical significance over the next age group for those respondents who said that they had never had a blood stool test and/or a sigmoidoscopy or colonoscopy, with the 45 to 54 age group having the highest percentage at 61.7% (55.2%-68.2%); being followed by the 55 to 64 and 65 and older age groups with percentages of 47.1% (42.9%-51.2%) and 34.5% (30.8%-38.2%), respectively, when these questions were included in the Behavorial Risk Factor Surveillance Survey.

INCIDENCE

- Nevada's incidence rate for Colorectal Cancer 52.7 was slightly lower than the national rate of 54.3 (per 100,000 – 2000 US Standard population) from 1999 to 2003.

- There were 5038 cases of Colorectal Cancer reported in Nevada from 1999 to 2003. Regional comparisons of Colorectal Cancer incidence showed that Washoe County had the highest age-adjusted incidence rate, 56.7, followed by Clark County, 53.5, and the All Other Counties region, 45.3 (per 100,000 – 2000 US Standard population), during the 1999 to 2003 period.

- Males had a statistically significant higher age-adjusted cancer incidence rate for Colorectal Cancer 61.1 (58.7-63.6) than the female rate of 45.4 (43.5-47.3) during the

1999 to 2003 period.

- The Colorectal Cancer age-adjusted incidence rates for Blacks, 59.8 (52.6-67.9), and Whites, 55.0 (53.3-63.6), showed statistical significance over all other racial/ethnic groups from 1999 to 2003. They were followed by Asians, Hispanics and Native Americans with rates of 41.2 (34.1-50.0), 28.5 (23.8-34.0) and 5.9 (2.3-13.8), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 4,364 hospital inpatient discharges for a primary diagnosis of Colorectal Cancer to Nevada residents from 1999 to 2003. Washoe County had the highest cancer age-adjusted inpatient discharge rate, 47.7 (44.2-51.4), followed by Clark County, 46.7 (45.0-48.5), when regional comparisons were made. Both Washoe and Clark Counties had statistically significant higher rates than the All Other Counties region that had the lowest age-adjusted discharge rate, 38.2 (35.2-41.5), during this same period.

- Total billed charges for Colorectal Cancer inpatient hospital discharges in Nevada totaled 192.9 million dollars from 1999 to 2003. The overall average billed charge per day for a hospital inpatient discharge due to Colorectal Cancer was approximately $5,170 in Nevada from 1999 to 2003.

- Washoe County had the highest median total billed amount ($33,635) and average length of stay (8.9 days) during this time, once regional comparisons were made.

MORTALITY

- There were 1,960 resident deaths due to Colorectal Cancer in Nevada from 1999 to 2003. Males had a higher statistically significant age-adjusted mortality rate, 26.6 (25.0-28.4), than females who had a rate of 17.5 (16.4-18.8), per 100,000 – 2000 US Standard population, during this period.

- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Colorectal Cancer of any racial/ethnic group, 27.4, and were followed by Whites, Asians, Hispanics, and Native Americans with rates of 22.5, 15.3, 12.5, and 11.2 (per 100,000 – 2000 US Standard population) respectively, from 1999 to 2003.

SURVIVAL RATE

- The one-year survival rate for Colorectal Cancer in Nevada was 77.4% during the 1999 to 2003 period, while the five-year survival rate was 55.1% during this same time. The median survival rate in Nevada was greater than five years.

- Females in Nevada had a slightly higher one-year survival rate (78.6%) than males (76.3%) for Colorectal Cancer during the 1999 to 2003 period. This trend was similar for the five-year survival rate where females had a slightly higher survival rate (58.1%) for Colorectal Cancer than males (52.7%) during this time.

- The five-year survival rate for those diagnosed at the localized stage for Colorectal Cancer was 84.6% for Nevada from 1999 to 2003, while those recorded at the regional, distant and unstaged stages had rates of 64.8%, 11.9% and 25.6%, respectively.

SCREENING (BRFSS)

Table 107. Colorectal Cancer Screening by County/Region of Residence, Gender, Education, Age Group, and Income, Nevada Residents, 1999, 2001 and 2002

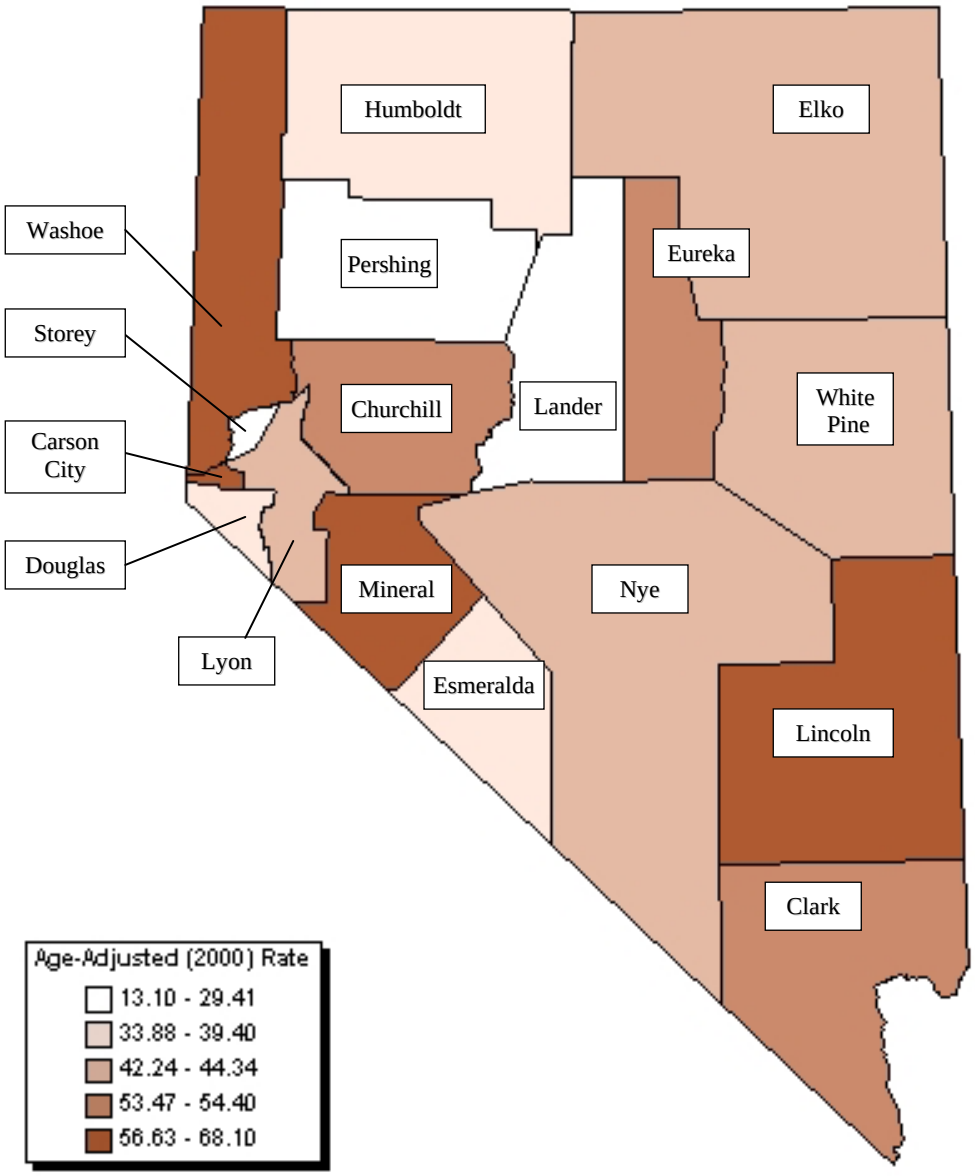
Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	877	54.1%	(50.3-57.8)	723	45.9%	(42.2-49.7)	1,600
County/Region of Residence							
Clark County	553	54.7%	(51.0-58.4)	467	45.3%	(41.6-49.0)	1,020
Washoe County	564	55.9%	(52.3-59.4)	401	44.1%	(40.6-47.7)	965
All Other Counties	663	52.1%	(48.8-55.4)	582	47.9%	(44.6-51.2)	1,245
Gender							
Male	877	54.1%	(50.3-57.8)	723	45.9%	(42.2-49.7)	1,600
Female	903	54.8%	(51.2-58.5)	727	45.2%	(41.5-48.8)	1,630
Education							
Less than High School	155	48.7%	(39.9-57.5)	150	51.3%	(42.5-60.1)	305
High School	480	48.8%	(44.3-53.2)	502	51.2%	(46.8-55.7)	982
Some Post High School	571	55.6%	(50.9-60.2)	433	44.4%	(39.8-49.1)	1,004
College Graduate	571	61.3%	(56.3-66.3)	361	38.7%	(33.7-43.7)	932
Age Group							
18-24 years old	---	---	---	---	---	---	---
25-34 years old	---	---	---	---	---	---	---
35-44 years old	---	---	---	---	---	---	---
45-54 years old	300	38.3%	(31.8-44.8)	481	61.7%	(55.2-68.2)	781
55-64 years old	573	52.9%	(48.8-57.1)	506	47.1%	(42.9-51.2)	1,079
65+ years old	907	65.5%	(61.8-69.2)	463	34.5%	(30.8-38.2)	1,370
Income							
Less than $15,000	137	47.6%	(39.0-56.2)	154	52.4%	(43.8-61.0)	291
$15,000-$24,999	286	54.0%	(47.8-60.3)	231	46.0%	(39.7-52.2)	517
$25,000-$34,999	212	50.4%	(43.0-57.8)	201	49.6%	(42.2-57.0)	413
$35,000-$49,999	276	54.8%	(48.7-60.9)	242	45.2%	(39.1-51.3)	518
$50,000 or More	566	54.7%	(50.3-59.0)	421	45.3%	(41.0-49.7)	987

*Denominator is persons age 50-65+ and excludes missing, don't know, and refused responses.
Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

1) A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?
2) A sigmoidoscopy or colonoscopy is when a tube is inserted in the rectum to view the bowel for signs of cancer and other health problems. Have you ever had this exam?

INCIDENCE

Figure 76. Colorectal Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 77. Colorectal Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

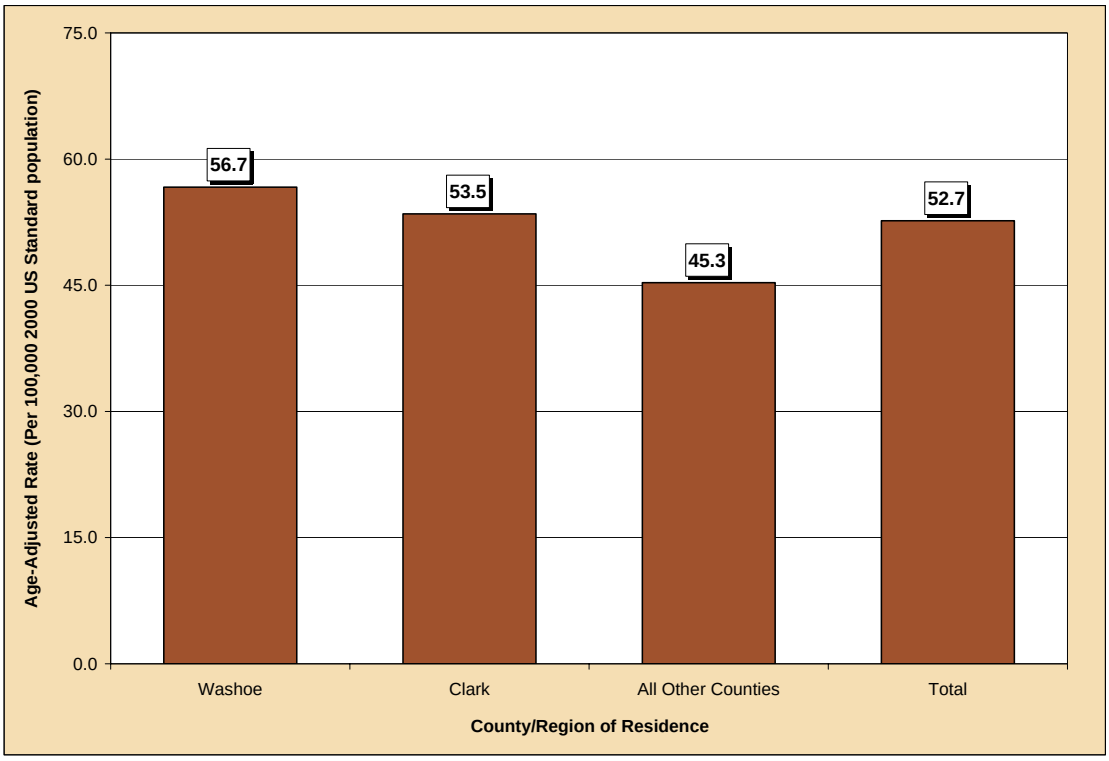


Figure 78. Colorectal Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

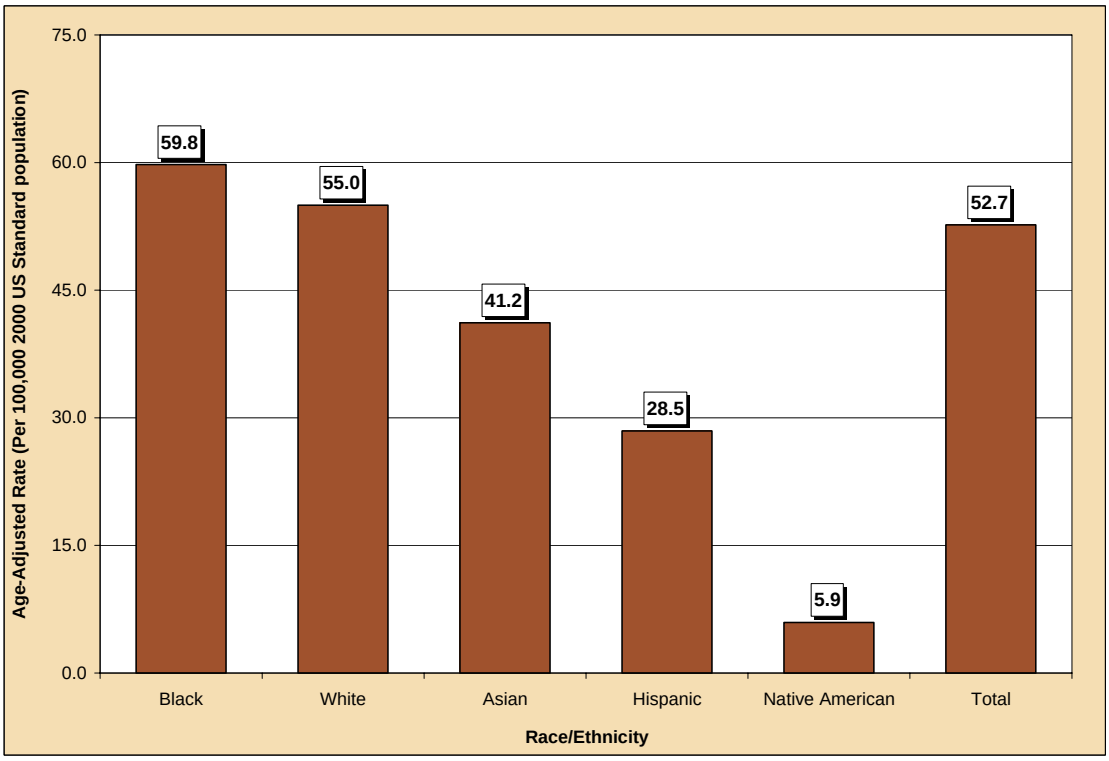


Table 108. Colorectal Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	5,038	3,472	864	702	0	94,907
Rate*	52.7	52.7	52.7	52.7	---	54.3
95% C.I.	(51.2-54.2)	(51.2-54.2)	(51.2-54.2)	(51.2-54.2)	---	(53.9-54.6)
Gender						
Male	2,760	2,760	2,760	2,760	0	47,054
Rate*	61.1	61.1	61.1	61.1	---	64.5
95% C.I.	(58.7-63.6)	(58.7-63.6)	(58.7-63.6)	(58.7-63.6)	---	(63.9-65.1)
Female	2,278	2,278	2,278	2,278	0	46,862
Rate*	45.4	45.4	45.4	45.4	---	47.7
95% C.I.	(43.5-47.3)	(43.5-47.3)	(43.5-47.3)	(43.5-47.3)	---	(47.2-48.1)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	4,333	2,862	806	665	0	76,262
Rate*	55.0	55.0	55.0	55.0	---	54.8
95% C.I.	(53.3-56.7)	(53.3-56.7)	(53.3-56.7)	(53.3-56.7)	---	(54.4-55.1)
Black	286	268	13	5	0	9,007
Rate*	59.8	59.8	59.8	---	---	64.6
95% C.I.	(52.6-67.9)	(52.6-67.9)	(52.6-67.9)	---	---	(63.2-65.9)
Native American	7	0	1	6	0	546
Rate*	---	---	---	---	---	35.9
95% C.I.	---	---	---	---	---	(32.7-32.7)
Asian	174	142	26	6	0	7,948
Rate*	41.2	41.2	41.2	---	---	46.8
95% C.I.	(34.1-50.0)	(34.1-50.0)	(34.1-50.0)	---	---	(45.8-47.9)
Hispanic	195	170	13	12	0	6,450
Rate*	28.5	28.5	28.5	28.5	---	40.3
95% C.I.	(23.8-34.0)	(23.8-34.0)	(23.8-34.0)	(23.8-34.0)	---	(39.3-41.4)
Other/Unknown	43	30	5	8	0	453

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 109. Colorectal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	5,038	3,472	864	702	0	94,907
Rate*	52.7	53.5	56.7	45.3	---	54.3
95% C.I.	(51.2-54.2)	(51.7-55.4)	(52.9-60.7)	(42.0-48.9)	---	(53.9-54.6)
Age Group						
<1	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
1-4	0	0	0	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	1	0	1	0	0	9
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	3	2	1	0	0	128
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	37	27	10	0	0	830
Rate*	2.4	2.4	3.9	---	---	2.8
95% C.I.	(1.61-3.13)	(1.46-3.24)	(1.49-6.34)	---	---	(2.6-3.0)
35-44	163	122	19	22	0	3,606
Rate*	9.9	10.6	6.7	9.9	---	11.5
95% C.I.	(8.34-11.36)	(8.73-12.50)	(3.68-9.70)	(5.78-14.07)	---	(11.1-11.9)
45-54	539	375	88	76	0	10,119
Rate*	37.9	39.4	34.8	35.2	---	39.2
95% C.I.	(34.73-41.13)	(35.40-43.37)	(27.51-42.04)	(27.31-43.15)	---	(38.4-39.9)
55-64	1,034	734	173	127	0	16,159
Rate*	100.5	104.1	105.3	80.0	---	102.6
95% C.I.	(94.41-106.66)	(96.53-111.59)	(89.56-120.93)	(66.08-93.90)	---	(101.0-104.2)
65-74	1,541	1,052	243	246	0	24,795
Rate*	224.0	223.3	232.7	219.3	---	223.9
95% C.I.	(212.85-235.22)	(209.76-236.74)	(203.42-261.93)	(191.90-246.72)	---	(221.1-226.7)
75-84	1,338	916	246	176	0	27,407
Rate*	341.1	345.2	400.1	269.3	---	358.3
95% C.I.	(322.84-359.40)	(322.80-367.50)	(350.08-450.07)	(229.50-309.07)	---	(354.1-362.6)
85+	382	244	83	55	0	11,853
Rate*	434.2	438.7	499.6	349.3	---	442.5
95% C.I.	(390.64-477.72)	(383.64-493.73)	(392.10-607.06)	(256.95-441.56)	---	(434.5-450.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 110. Colorectal Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	170	67.2	(57.08-77.28)	56.6	(48.4-66.0)
Churchill	63	51.3	(38.61-63.93)	53.5	(41.0-69.0)
Clark	3,472	47.4	(45.80-48.96)	53.5	(51.7-55.4)
Douglas	104	48.5	(39.20-57.85)	39.4	(32.0-48.4)
Elko	55	24.2	(17.78-30.55)	42.8	(31.1-58.0)
Esmeralda	2	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	22	27.1	(15.80-38.49)	33.9	(20.7-53.4)
Lander	7	---	---	---	---
Lincoln	15	81.9	(40.48-123.42)	64.7	(36.0-109.8)
Lyon	92	49.6	(39.48-59.77)	42.4	(34.1-52.5)
Mineral	23	94.4	(55.82-132.99)	68.1	(42.6-106.5)
Nye	114	67.3	(54.91-79.61)	44.3	(36.2-54.4)
Pershing	7	---	---	---	---
Storey	3	---	---	---	---
Washoe	864	49.4	(46.15-52.75)	56.7	(52.9-60.7)
White Pine	22	56.5	(32.87-80.05)	42.2	(26.3-66.1)
Unknown	0	---	---	---	---
Total	5,038	48.0	(46.67-49.32)	52.7	(51.2-54.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 111. Colorectal Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	2,391	1,942	0	4,333
	Rate*	63.6	47.4	---	55.0
	95% C.I.	(60.9-66.3)	(45.3-49.5)	---	(53.3-56.7)
Black	Incidence	160	126	0	286
	Rate*	74.0	49.0	---	59.8
	95% C.I.	(61.3-89.9)	(40.5-59.1)	---	(52.6-67.9)
Native American	Incidence	2	5	0	7
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	78	96	0	174
	Rate*	47.0	37.2	---	41.2
	95% C.I.	(35.0-64.1)	(29.0-48.6)	---	(34.1-50.0)
Hispanic	Incidence	103	92	0	195
	Rate*	31.9	25.8	---	28.5
	95% C.I.	(24.3-42.5)	(20.1-32.9)	---	(23.8-34.0)
Other/Unknown		26	17	0	43
Total	Incidence	2,760	2,278	0	5,038
	Rate*	61.1	45.4	---	52.7
	95% C.I.	(58.7-63.6)	(43.5-47.3)	---	(51.2-54.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 112. Colorectal Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	17	20	0	37
Rate*	2.09	2.67	---	2.37
95% C.I.	(1.10-3.09)	(1.50-3.85)	---	(1.61-3.13)
35-44	85	78	0	163
Rate*	9.90	9.79	---	9.85
95% C.I.	(7.80-12.01)	(7.62-11.97)	---	(8.34-11.36)
45-54	275	264	0	539
Rate*	38.19	37.67	---	37.93
95% C.I.	(33.67-42.70)	(33.12-42.21)	---	(34.73-41.13)
55-64	628	406	0	1,034
Rate*	123.62	78.01	---	100.54
95% C.I.	(113.95-133.28)	(70.42-85.59)	---	(94.41-106.66)
65-74	899	642	0	1,541
Rate*	264.91	184.23	---	224.04
95% C.I.	(247.60-282.23)	(169.98-198.48)	---	(212.85-235.22)
75-84	705	633	0	1,338
Rate*	397.72	294.45	---	341.12
95% C.I.	(368.36-427.08)	(271.51-317.39)	---	(322.84-359.40)
85+	149	233	0	382
Rate*	512.30	395.60	---	434.18
95% C.I.	(430.04-594.57)	(344.80-446.40)	---	(390.64-477.72)
Unknown	0	0	0	0
Total	2,760	2,278	0	5,038
Rate*	51.74	44.12	---	47.99
95% C.I.	(49.81-53.67)	(42.31-45.93)	---	(46.67-49.32)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 113. Colorectal Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
15-24	Number	---	0	2	1	0	3
	Percent	---	---	66.7%	33.3%	---	100.0%
25-34	Number	---	13	17	1	6	37
	Percent	---	35.1%	45.9%	2.7%	16.2%	100.0%
35-44	Number	---	44	68	32	19	163
	Percent	---	27.0%	41.7%	19.6%	11.7%	100.0%
45-54	Number	---	163	205	112	59	539
	Percent	---	30.2%	38.0%	20.8%	10.9%	100.0%
55-64	Number	---	323	386	214	111	1,034
	Percent	---	31.2%	37.3%	20.7%	10.7%	100.0%
65-74	Number	---	492	557	299	193	1,541
	Percent	---	31.9%	36.1%	19.4%	12.5%	100.0%
75-84	Number	---	451	466	205	216	1,338
	Percent	---	33.7%	34.8%	15.3%	16.1%	100.0%
85+	Number	---	115	126	52	89	382
	Percent	---	30.1%	33.0%	13.6%	23.3%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	1,601	1,828	916	693	5,038
	Percent	---	31.8%	36.3%	18.2%	13.8%	100.0%

Table 114. Colorectal Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	1,394	77	4	49	59	18	1,601
	Percent	32.2%	26.9%	57.1%	28.2%	30.3%	41.9%	31.8%
Regional	Number	1,596	93	3	69	54	13	1,828
	Percent	36.8%	32.5%	42.9%	39.7%	27.7%	30.2%	36.3%
Distant	Number	766	68	0	33	45	4	916
	Percent	17.7%	23.8%	---	19.0%	23.1%	9.3%	18.2%
Unstaged	Number	577	48	0	23	37	8	693
	Percent	13.3%	16.8%	---	13.2%	19.0%	18.6%	13.8%
Total	Number	4,333	286	7	174	195	43	5,038
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

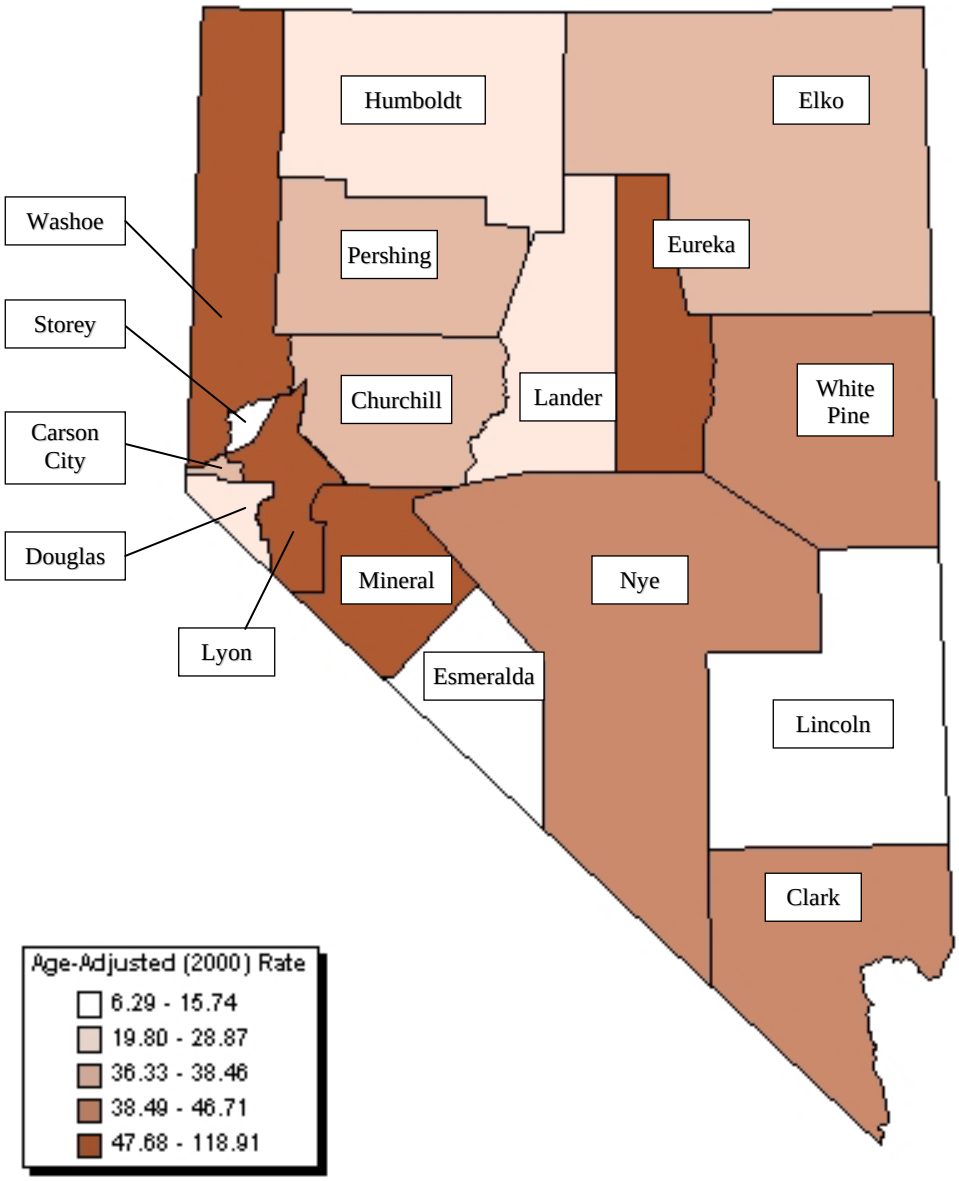
Table 115. Median Age at Diagnosis of Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	2,391	69.0	1,942	72.0	4,333	70.0
Black	160	66.0	126	65.5	286	66.0
Native American	2	---	5	57.0	7	57.0
Asian	78	66.0	96	63.5	174	65.0
Hispanic	103	63.0	92	63.5	195	63.0
Other/Unknown	26	66.5	17	72.0	43	69.0
Total	2,760	69.0	2,278	71.0	5,038	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 79. Colorectal Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 80. Colorectal Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

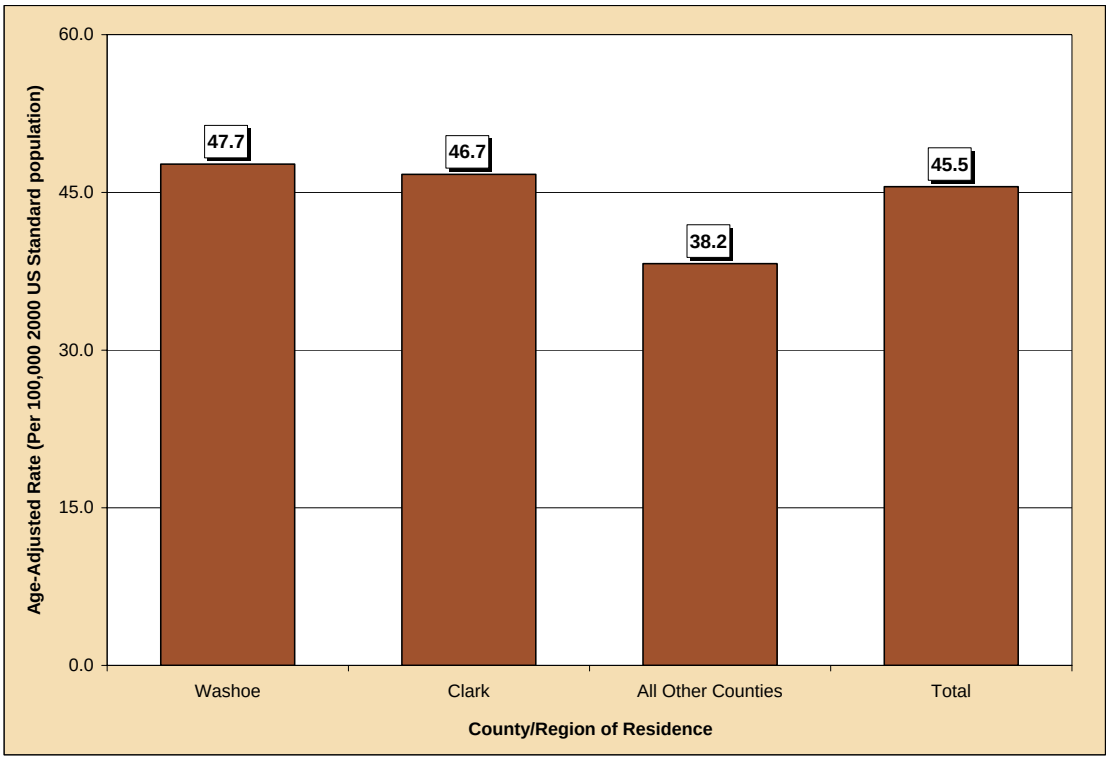


Figure 81. Median Charges for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

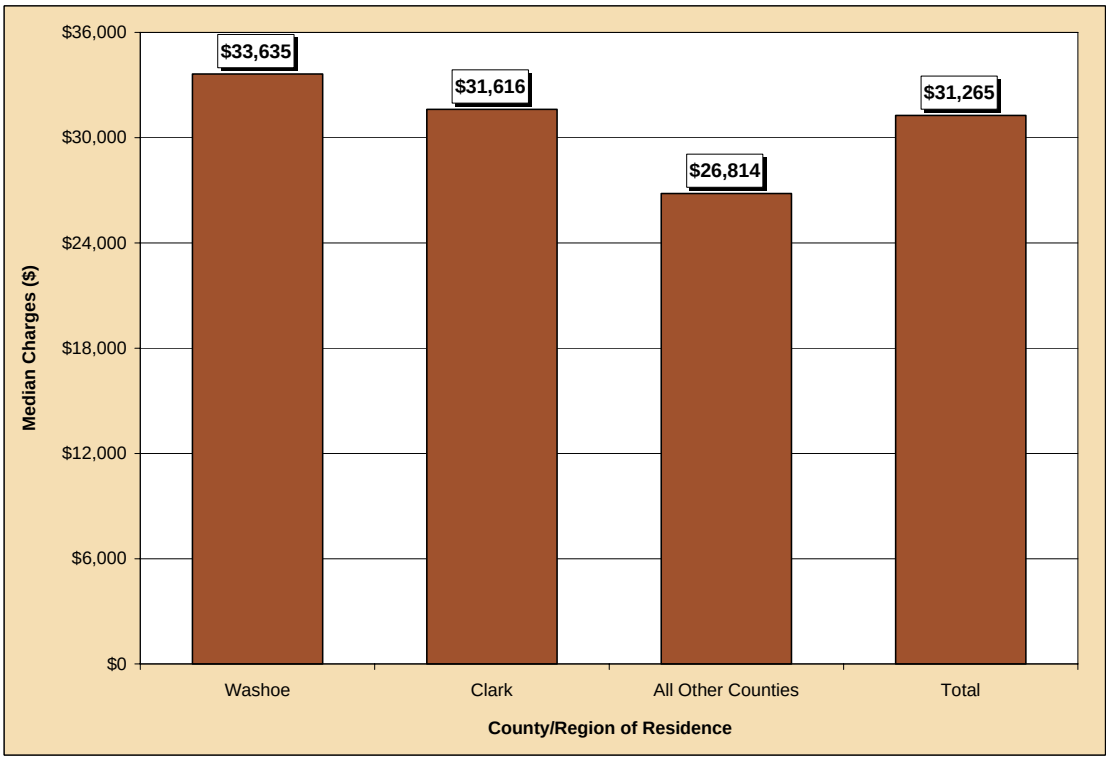


Figure 82. Average Length of Stay for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

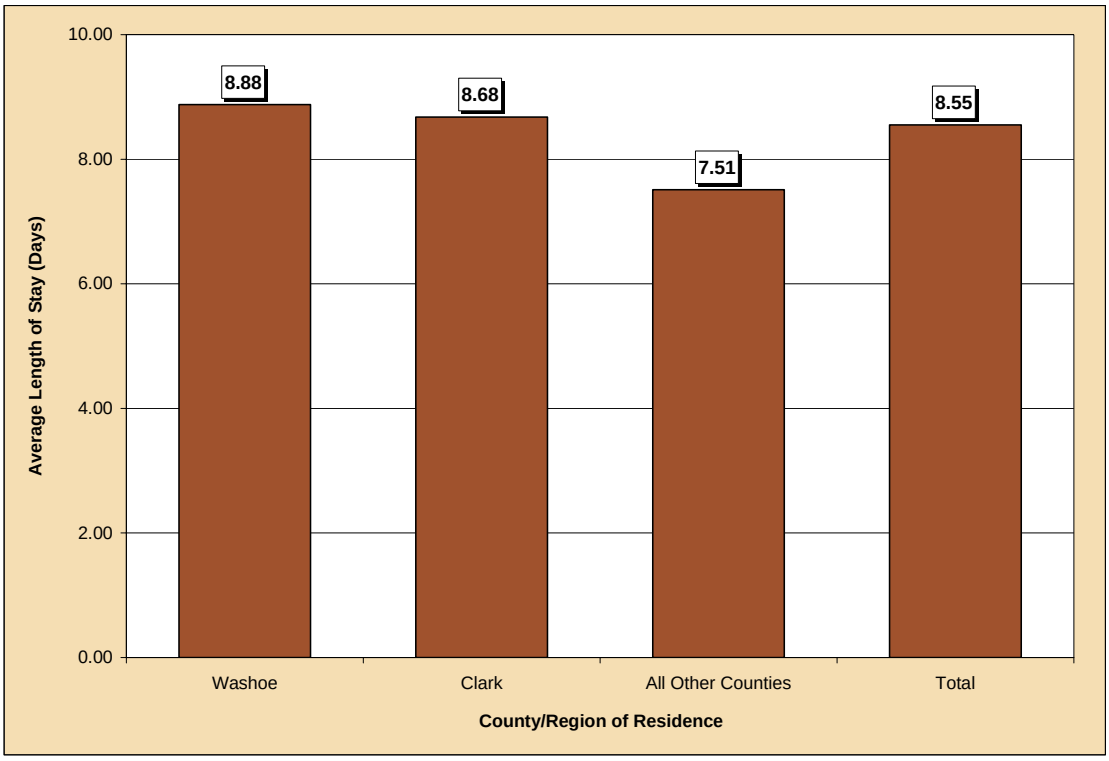


Table 116. Colorectal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,364	3,046	722	596	0
Rate*	45.5	46.7	47.7	38.2	---
95% C.I.	(44.2-47.0)	(45.0-48.5)	(44.2-51.4)	(35.2-41.5)	---
Gender					
Male	2,300	1,607	352	341	0
Rate*	50.5	52.3	49.8	44.3	---
95% C.I.	(48.3-52.7)	(49.6-55.2)	(44.5-55.8)	(39.6-49.6)	---
Female	2,064	1,439	370	255	0
Rate*	41.1	42.1	45.3	32.0	---
95% C.I.	(39.3-42.9)	(39.9-44.3)	(40.8-50.2)	(28.2-36.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$192,927,958	$141,299,026	$31,253,070	$20,375,862	$0
Average Charges	$44,209	$46,388	$43,287	$34,188	$0
Median Charges	$31,265	$31,616	$33,635	$26,814	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	37,317	26,432	6,409	4,476	0
Average LOS	8.6	8.7	8.9	7.5	0.0
Median LOS	7.0	7.0	7.0	6.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 117. Colorectal Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	4,364	3,046	722	596
Rate*	41.6	41.6	41.3	41.9
95% C.I.	(40.34-42.80)	(40.09-43.04)	(38.31-44.34)	(38.54-45.26)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	5	2	3	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	29	21	7	1
Rate*	1.9	1.8	---	---
95% C.I.	(1.18-2.53)	(1.05-2.61)	---	---
35-44	133	102	12	19
Rate*	8.0	8.9	4.2	8.6
95% C.I.	(6.67-9.40)	(7.15-10.60)	(1.84-6.62)	(4.72-12.43)
45-54	466	333	76	57
Rate*	32.8	35.0	30.0	26.4
95% C.I.	(29.82-35.77)	(31.22-38.73)	(23.28-36.78)	(19.56-33.28)
55-64	899	661	144	94
Rate*	87.4	93.7	87.6	59.2
95% C.I.	(81.70-93.12)	(86.57-100.86)	(73.30-101.91)	(47.24-71.18)
65-74	1,359	920	202	237
Rate*	197.6	195.2	193.4	211.3
95% C.I.	(187.07-208.08)	(182.62-207.85)	(166.74-220.09)	(184.39-238.19)
75-84	1,148	807	192	149
Rate*	292.7	304.1	312.3	228.0
95% C.I.	(275.75-309.61)	(283.10-325.06)	(268.08-356.42)	(191.37-264.58)
85+	324	200	85	39
Rate*	368.3	359.6	511.6	247.7
95% C.I.	(328.16-408.36)	(309.74-409.42)	(402.85-620.38)	(169.93-325.38)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 118. Colorectal Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	2	3	5
Rate*	---	---	---
95% C.I.	---	---	---
25-34	10	19	29
Rate*	1.23	2.54	1.86
95% C.I.	(0.47-1.99)	(1.40-3.68)	(1.18-2.53)
35-44	68	65	133
Rate*	7.92	8.16	8.04
95% C.I.	(6.04-9.80)	(6.18-10.14)	(6.67-9.40)
45-54	240	226	466
Rate*	33.33	32.24	32.79
95% C.I.	(29.11-37.54)	(28.04-36.45)	(29.82-35.77)
55-64	523	376	899
Rate*	102.95	72.24	87.41
95% C.I.	(94.12-111.77)	(64.94-79.55)	(81.70-93.12)
65-74	772	587	1,359
Rate*	227.49	168.45	197.58
95% C.I.	(211.44-243.54)	(154.82-182.07)	(187.07-208.08)
75-84	573	575	1,148
Rate*	323.25	267.47	292.68
95% C.I.	(296.78-349.72)	(245.61-289.33)	(275.75-309.61)
85+	112	212	324
Rate*	385.09	359.94	368.26
95% C.I.	(313.77-456.41)	(311.49-408.40)	(328.16-408.36)
Unknown	0	0	0
Total	2,300	2,064	4,364
Rate*	43.12	39.98	41.57
95% C.I.	(41.35-44.88)	(38.25-41.70)	(40.34-42.80)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 119. Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	109	43.1	(34.99-51.16)	36.3	(29.8-44.0)
Churchill	46	37.4	(26.62-48.25)	38.5	(28.1-51.8)
Clark	3,046	41.6	(40.09-43.04)	46.7	(45.0-48.5)
Douglas	78	36.4	(28.32-44.47)	28.9	(22.7-36.6)
Elko	46	20.2	(14.37-26.05)	38.3	(27.2-52.9)
Esmeralda	1	---	---	---	---
Eureka	7	---	---	---	---
Humboldt	16	19.7	(10.07-29.42)	25.3	(14.2-42.3)
Lander	5	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	130	70.1	(58.07-82.18)	61.0	(50.9-72.9)
Mineral	21	86.2	(49.33-123.06)	67.1	(40.7-106.9)
Nye	104	61.4	(49.57-73.15)	39.9	(32.2-49.5)
Pershing	9	---	---	---	---
Storey	1	---	---	---	---
Washoe	722	41.3	(38.31-44.34)	47.7	(44.2-51.4)
White Pine	20	51.3	(28.83-73.82)	38.5	(23.4-60.2)
Unknown	0	---	---	---	---
Total	4,364	41.6	(40.34-42.80)	45.5	(44.2-47.0)

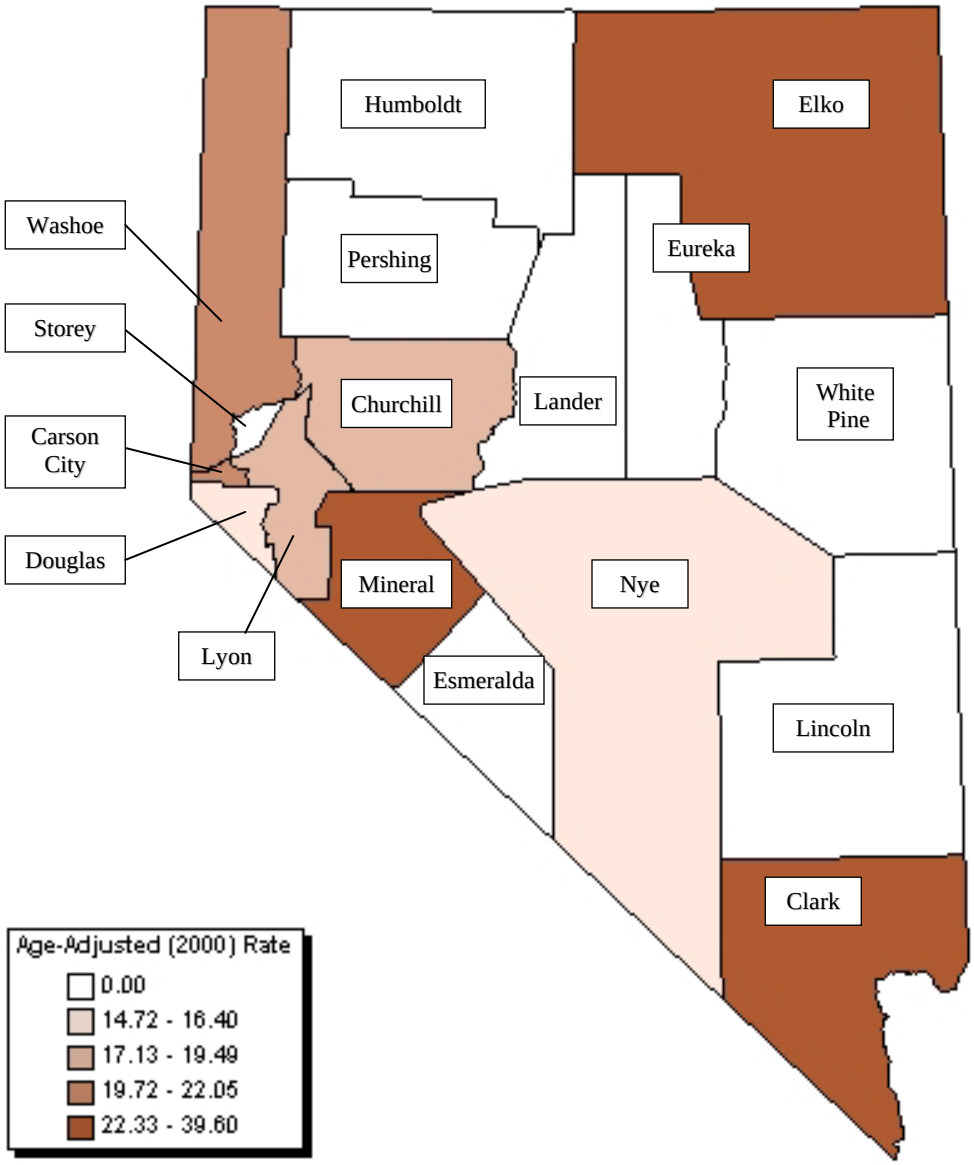
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 120. Colorectal Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	1	---	---	---	---	---	---
15-24	5	---	---	---	---	---	---
25-34	29	1,119,124	38,590	34,639	239	8.2	7.0
35-44	133	4,883,088	36,715	30,017	1,032	7.8	7.0
45-54	466	20,020,737	42,963	30,954	4,027	8.6	7.0
55-64	899	36,628,583	40,744	30,646	7,201	8.0	7.0
65-74	1,359	57,513,511	42,320	29,484	10,960	8.1	6.0
75-84	1,148	53,867,601	46,923	32,933	10,446	9.1	7.0
85+	324	18,707,449	57,739	34,836	3,381	10.4	8.0
Unknown	0	---	---	---	---	---	---
Total	4,364	192,927,958	44,209	31,265	37,317	8.6	7.0

MORTALITY

Figure 83. Colorectal Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 84. Colorectal Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

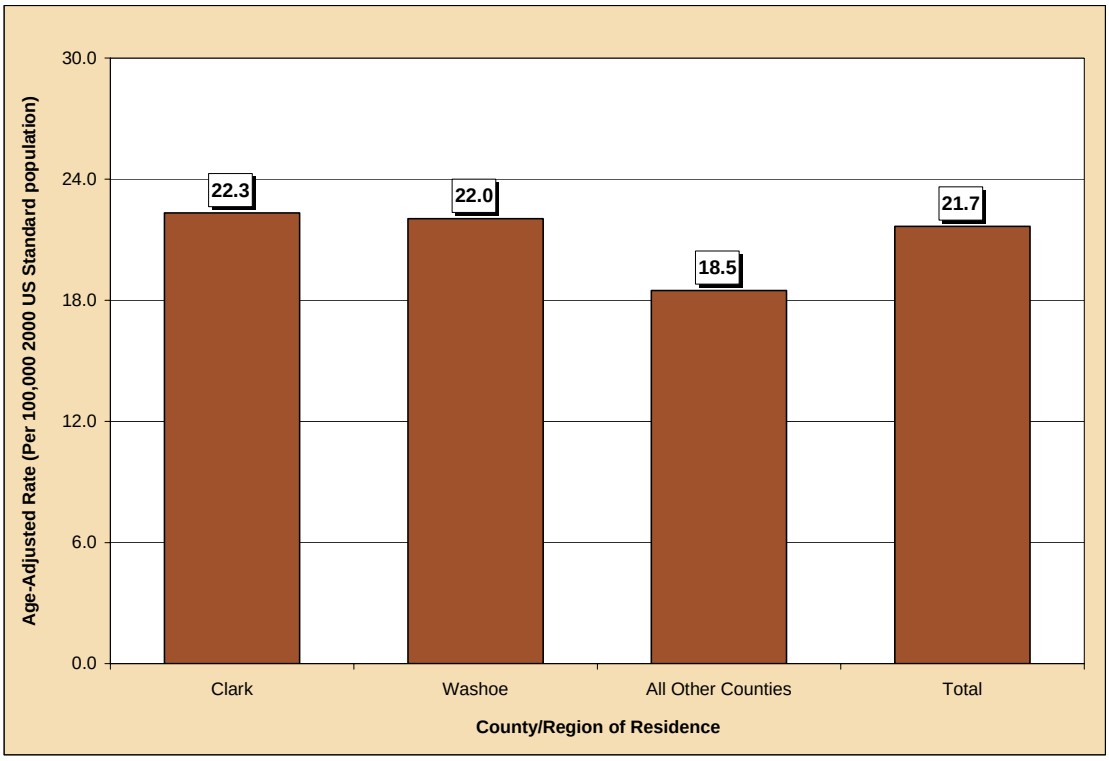


Figure 85. Colorectal Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

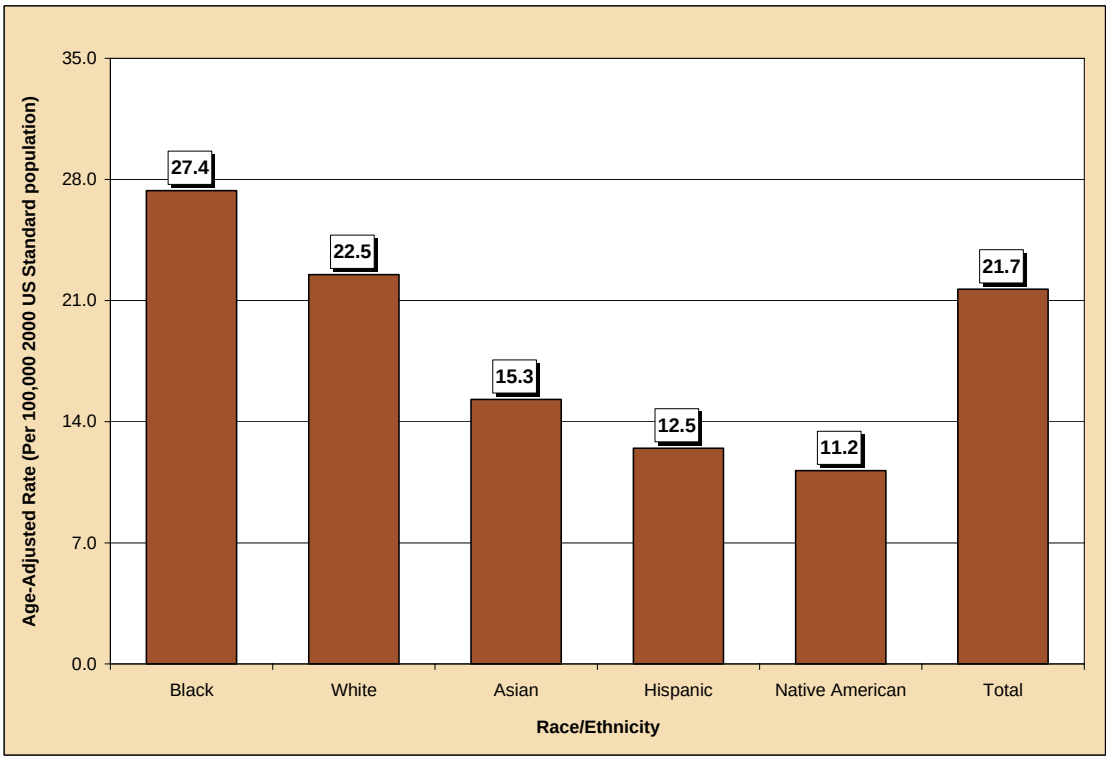


Table 121. Colorectal Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,960	1,367	323	270
Rate*	21.7	22.3	22.0	18.5
95% C.I.	(20.7-22.7)	(21.1-23.6)	(19.7-24.7)	(16.3-20.9)
Gender				
Male	1,112	1,112	1,112	1,112
Rate*	26.6	27.8	29.4	20.1
95% C.I.	(25.0-28.4)	(25.7-30.1)	(25.2-34.2)	(16.8-24.0)
Female	848	848	848	848
Rate*	17.5	18.1	15.8	16.5
95% C.I.	(16.4-18.8)	(16.7-19.7)	(13.1-18.8)	(13.7-19.7)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,707	1,159	293	255
Rate*	22.5	23.4	22.6	19.1
95% C.I.	(21.4-23.6)	(22.0-24.8)	(20.1-25.4)	(16.7-21.7)
Black	114	106	5	3
Rate*	27.4	27.7	---	---
95% C.I.	(22.1-33.7)	(22.2-34.5)	---	---
Native American	11	2	4	5
Rate*	11.2	---	---	---
95% C.I.	(5.3-21.8)	---	---	---
Asian	59	45	13	1
Rate*	15.3	13.2	29.6	---
95% C.I.	(11.0-21.7)	(9.1-20.2)	(12.8-63.4)	---
Hispanic	68	54	8	6
Rate*	12.5	12.7	---	---
95% C.I.	(9.2-16.8)	(9.0-17.9)	---	---
Other/Unknown	1	1	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 122. Colorectal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	1,960	1,367	323	270
Rate*	21.7	22.3	22.0	18.5
95% C.I.	(20.7-22.7)	(21.1-23.6)	(19.7-24.7)	(16.3-20.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	6	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	45	32	8	5
Rate*	2.7	2.8	---	---
95% C.I.	(1.92-3.51)	(1.82-3.75)	---	---
45-54	140	107	18	15
Rate*	9.9	11.2	7.1	7.0
95% C.I.	(8.22-11.48)	(9.11-13.37)	(3.83-10.40)	(3.43-10.47)
55-64	324	226	59	39
Rate*	31.5	32.0	35.9	24.6
95% C.I.	(28.07-34.93)	(27.86-36.22)	(26.73-45.05)	(16.85-32.27)
65-74	580	405	93	82
Rate*	84.3	86.0	89.1	73.1
95% C.I.	(77.46-91.18)	(77.58-94.32)	(70.95-107.15)	(57.28-88.93)
75-84	597	424	90	83
Rate*	152.2	159.8	146.4	127.0
95% C.I.	(139.99-164.41)	(144.56-174.97)	(116.13-176.61)	(99.67-154.31)
85+	265	167	53	45
Rate*	301.2	300.3	319.0	285.8
95% C.I.	(264.93-337.46)	(254.71-345.79)	(233.12-404.89)	(202.26-369.25)
Unknown	0	0	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 123. Colorectal Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	59	23.3	(17.37-29.27)	19.7	(15.0-25.6)
Churchill	23	18.7	(11.07-26.37)	19.5	(12.3-29.8)
Clark	1,367	18.7	(17.67-19.64)	22.3	(21.1-23.6)
Douglas	35	16.3	(10.92-21.74)	14.7	(10.1-21.2)
Elko	32	14.1	(9.19-18.93)	29.2	(19.2-43.1)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	8	---	---	---	---
Lander	2	---	---	---	---
Lincoln	5	---	---	---	---
Lyon	35	18.9	(12.62-25.13)	17.1	(11.8-24.2)
Mineral	13	53.4	(24.35-82.37)	39.6	(20.8-69.6)
Nye	41	24.2	(16.79-31.59)	16.4	(11.5-23.5)
Pershing	9	---	---	---	---
Storey	0	---	---	---	---
Washoe	323	18.5	(16.47-20.50)	22.0	(19.7-24.7)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	1,960	18.7	(17.84-19.50)	21.7	(20.7-22.7)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 124. Colorectal Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	978	729	0	1,707
	Rate*	27.7	18.1	---	22.5
	95% C.I.	(25.8-29.6)	(16.8-19.5)	---	(21.4-23.6)
Black	Incidence	57	57	0	114
	Rate*	32.3	24.3	---	27.4
	95% C.I.	(22.9-45.3)	(18.2-32.2)	---	(22.1-33.7)
Native American	Incidence	7	4	0	11
	Rate*	---	---	---	11.2
	95% C.I.	---	---	---	(5.3-21.8)
Asian	Incidence	29	30	0	59
	Rate*	16.4	14.2	---	15.3
	95% C.I.	(10.8-24.2)	(8.4-23.7)	---	(11.0-21.7)
Hispanic	Incidence	41	27	0	68
	Rate*	17.2	9.1	---	12.5
	95% C.I.	(11.1-26.5)	(5.7-14.3)	---	(9.2-16.8)
Other/Unknown		0	1	0	1
Total	Incidence	1,112	848	0	1,960
	Rate*	26.6	17.5	---	21.7
	95% C.I.	(25.0-28.4)	(16.4-18.8)	---	(20.7-22.7)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 125. Colorectal Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	3	5	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	24	21	45
Rate*	2.80	2.64	2.72
95% C.I.	(1.68-3.91)	(1.51-3.76)	(1.92-3.51)
45-54	79	61	140
Rate*	10.97	8.70	9.85
95% C.I.	(8.55-13.39)	(6.52-10.89)	(8.22-11.48)
55-64	210	114	324
Rate*	41.34	21.90	31.50
95% C.I.	(35.75-46.93)	(17.88-25.92)	(28.07-34.93)
65-74	359	221	580
Rate*	105.79	63.42	84.32
95% C.I.	(94.85-116.73)	(55.06-71.78)	(77.46-91.18)
75-84	330	267	597
Rate*	186.17	124.20	152.20
95% C.I.	(166.08-206.25)	(109.30-139.10)	(139.99-164.41)
85+	107	158	265
Rate*	367.90	268.26	301.20
95% C.I.	(298.19-437.61)	(226.43-310.09)	(264.93-337.46)
Unknown	0	0	0
Total	1,112	848	1,960
Rate*	20.85	16.42	18.67
95% C.I.	(19.62-22.07)	(15.32-17.53)	(17.84-19.50)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

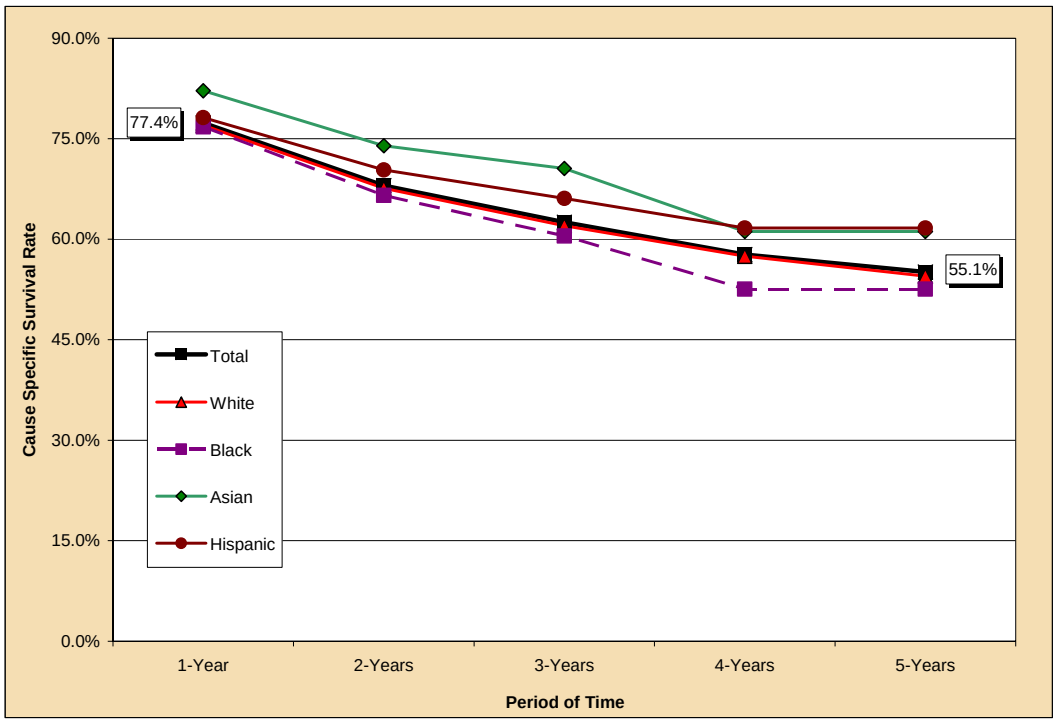
Table 126. Median Age at Death from Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	978	72.0	729	75.0	1,707	73.0
Black	57	67.0	57	69.0	114	68.0
Native American	7	58.0	4	---	11	66.0
Asian	29	69.0	30	67.0	59	68.0
Hispanic	41	70.0	27	69.0	68	69.5
Other/Unknown	0	---	1	---	1	---
Total	1,112	72.0	848	75.0	1,960	73.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 86. Survival Rates for Colorectal Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 87. Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

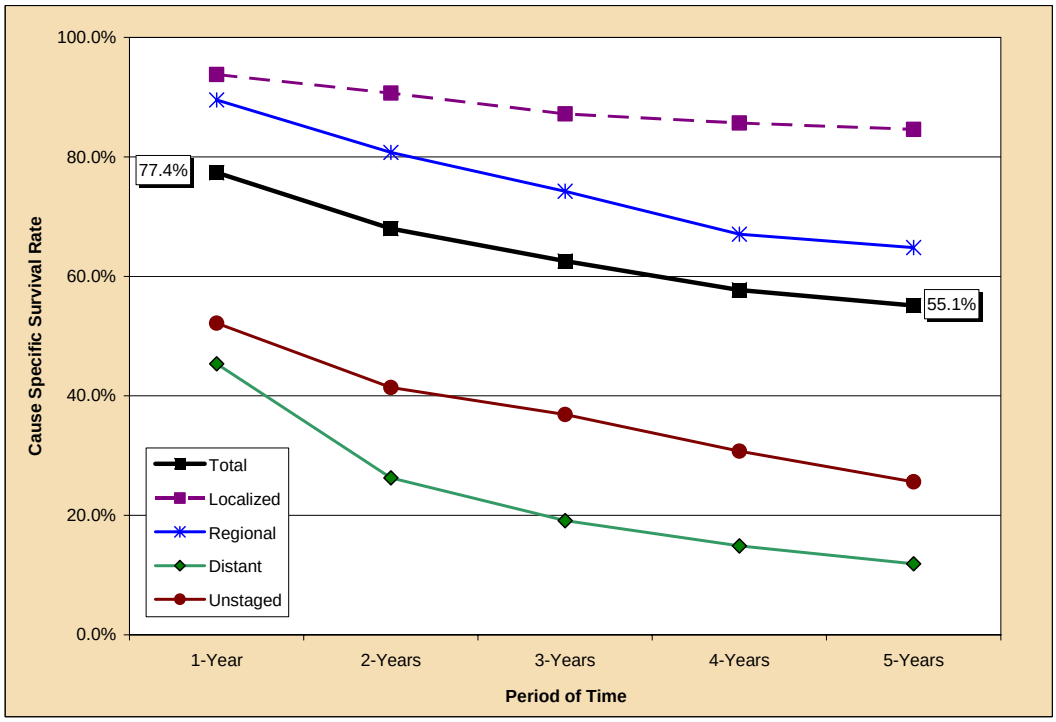


Table 127. Cause-Specific Survival Rates for Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	4,027	77.4%	68.0%	62.5%	57.7%	55.1%	> 5 YEARS
Male	2,176	76.3%	66.7%	61.0%	55.7%	52.7%	> 5 YEARS
Female	1,851	78.6%	69.6%	64.3%	60.2%	58.1%	> 5 YEARS
Race/Ethnicity							
White	3,439	77.0%	67.6%	62.0%	57.5%	54.5%	> 5 YEARS
Male	1,881	75.9%	66.2%	60.4%	55.4%	52.2%	> 5 YEARS
Female	1,558	78.3%	69.3%	64.0%	60.0%	57.6%	> 5 YEARS
Black	231	76.8%	66.5%	60.5%	52.6%	52.6%	> 5 YEARS
Male	120	77.5%	66.7%	62.8%	55.2%	55.2%	> 5 YEARS
Female	111	76.0%	66.4%	58.0%	49.7%	49.7%	3.96
Native American	7	---	---	---	---	---	.
Male	2	---	---	---	---	---	.
Female	5	---	---	---	---	---	.
Asian	148	82.2%	73.9%	70.5%	61.1%	61.1%	> 5 YEARS
Male	64	84.4%	74.4%	70.1%	48.5%	0.0%	3.93
Female	84	80.5%	73.5%	70.7%	66.3%	66.3%	> 5 YEARS
Hispanic	166	78.2%	70.3%	66.1%	61.7%	61.7%	> 5 YEARS
Male	90	74.8%	69.3%	63.8%	59.0%	59.0%	> 5 YEARS
Female	76	82.1%	71.7%	68.8%	64.6%	64.6%	> 5 YEARS

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 128. Cause-Specific Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	4,027	2,176	1,851
	One Year	77.4%	76.3%	78.6%
	5 Years	55.1%	52.7%	58.1%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	1,277	676	601
	One Year	93.8%	93.1%	94.6%
	5 Years	84.6%	82.7%	87.1%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	1,483	799	684
	One Year	89.5%	90.7%	88.1%
	5 Years	64.8%	64.3%	65.4%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Distant	Cases	764	433	331
	One Year	45.4%	41.6%	50.3%
	5 Years	11.9%	6.8%	18.5%
	Median Survival	0.91	0.86	1.02
Unstaged	Cases	503	268	235
	One Year	52.2%	51.2%	53.3%
	5 Years	25.6%	24.1%	27.4%
	Median Survival	1.20	1.12	1.29

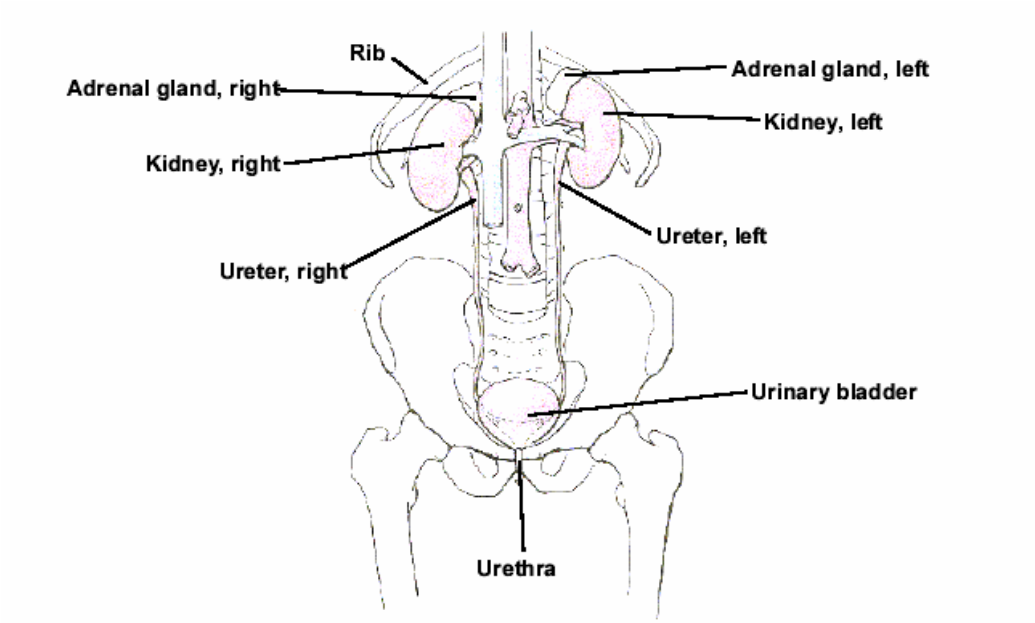
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

URINARY BLADDER CANCER

URINARY BLADDER CANCER

GENERAL PROFILE[4]

Figure 88. Anatomy of the Urinary System[5]



General Anatomy: The bladder is a hollow organ in the lower abdomen. It stores urine, the liquid waste produced by the kidneys. Urine passes from each kidney into the bladder through a tube called a ureter. An outer layer of muscle surrounds the inner lining of the bladder. When the bladder is full, the muscles in the bladder wall can tighten to allow urination. Urine leaves the bladder through another tube, the urethra.

Risk Factors: Age, tobacco use, occupation (due to amount of carcinogens in the workplace), infection, treatment with cyclophosphamide or arsenic, race, being a man, family history, and personal history with Bladder Cancer.

Signs and Symptoms: Blood in the urine (making the urine slightly rusty to deep red), pain during urination, and frequent urination, or feeling the need to urinate without results.

Diagnosing the Cancer: Physical exams, urine tests, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: surgery (Transurethral resection, Radical cystectomy, and Segmental cystectomy), radiation therapy (internal or external), chemotherapy, and biological therapy.

HIGHLIGHTS

- Nevadan males had a higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 4.94 while the ratio for females was 4.46. This means that for every 100 deaths due to Urinary Bladder Cancer there would be 494 male cases and 446 female cases.

- The median age at diagnosis of Urinary Bladder Cancer for Nevada residents was 71 years of age for the 1999 to 2003 time period. However, the median age at time of death due to Urinary Bladder Cancer was 75 years for Nevada overall, 76 years for females and 75 years of age for males.

INCIDENCE

- There were 2,444 cases of Urinary Bladder Cancer reported in Nevada from 1999 to 2003. Nevada's age-adjusted incidence rate, 25.7 (24.6-26.7), for Urinary Bladder Cancer showed statistical significance over the national rate of 20.4 (20.2-20.6, per 100,000 – 2000 US Standard population).

- While there was little regional variation between All Other Counties (26.8), Washoe County (25.5), and Clark County (25.4) in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for males, 43.4, was nearly four times as the rate for Nevada females, 11.0, (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 41.3 million dollars from 1999 to 2003. Nevadans in the 65-74 and 75-84 age groups accounted for 66.5% of the total inpatient discharges and 69.0% of the total billed charges during this period. The overall daily billed amount for these discharges was just under $5,787 in Nevada during this period.

- There were 1,067 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1999 to 2003. Clark County had the highest age-adjusted inpatient discharge rate, 12.3, for Urinary Bladder Cancer in Nevada, and was followed by Washoe County (9.9) and All Other Counties (8.8) during the 1999 to 2003 period.

- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer was ($21,260) from 1999 to 2003. Washoe County had the highest median total billed charge ($24,006) when compared to the billed amounts for Clark County and All Other Counties of ($20,892) and ($19,679).

MORTALITY

- There were 449 resident deaths due to Urinary Bladder Cancer from 1999 to 2003. Regional comparisons were fairly similar between Clark, All Other Counties, as a region,

and Washoe County with rates of 5.4, 4.8 and 4.6 (per 100,000 – 2000 US Standard population), respectively.

- Nevadan males had a statistically significant higher age-adjusted mortality rate, 8.8 (7.8-9.9), for Urinary Bladder Cancer that was more than three times the female mortality rate of 2.5 (2.0-3.0) (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.

SURVIVAL RATE

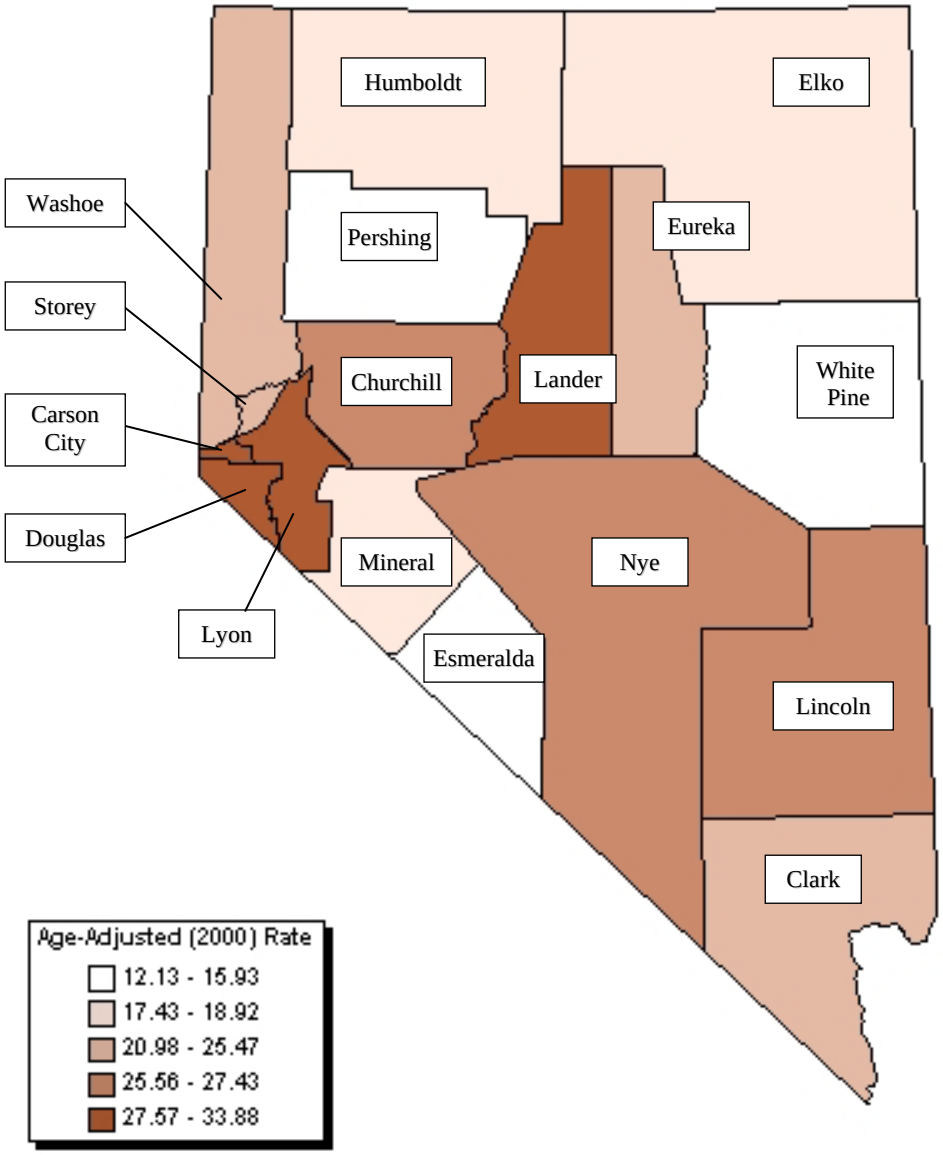
- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1999 to 2003 period, with rates of 88.0% and 83.0%, respectively, and remained at approximately the same ratio at the five-year rate where males had a rate of 74.3% and females had a rate of 70.8%.

- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 99.4%, with those at the localized stage at 90.0%, and those recorded at the regional, distant and unstaged stages had rates of 66.9%, 20.3% and 76.9%, respectively.

- The Median Survival time for those diagnosed at the in situ, localized and unstaged stages was over five years, while those diagnosed at the regional and distant levels had median survival times of 1.87 and 0.63 years, respectively.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

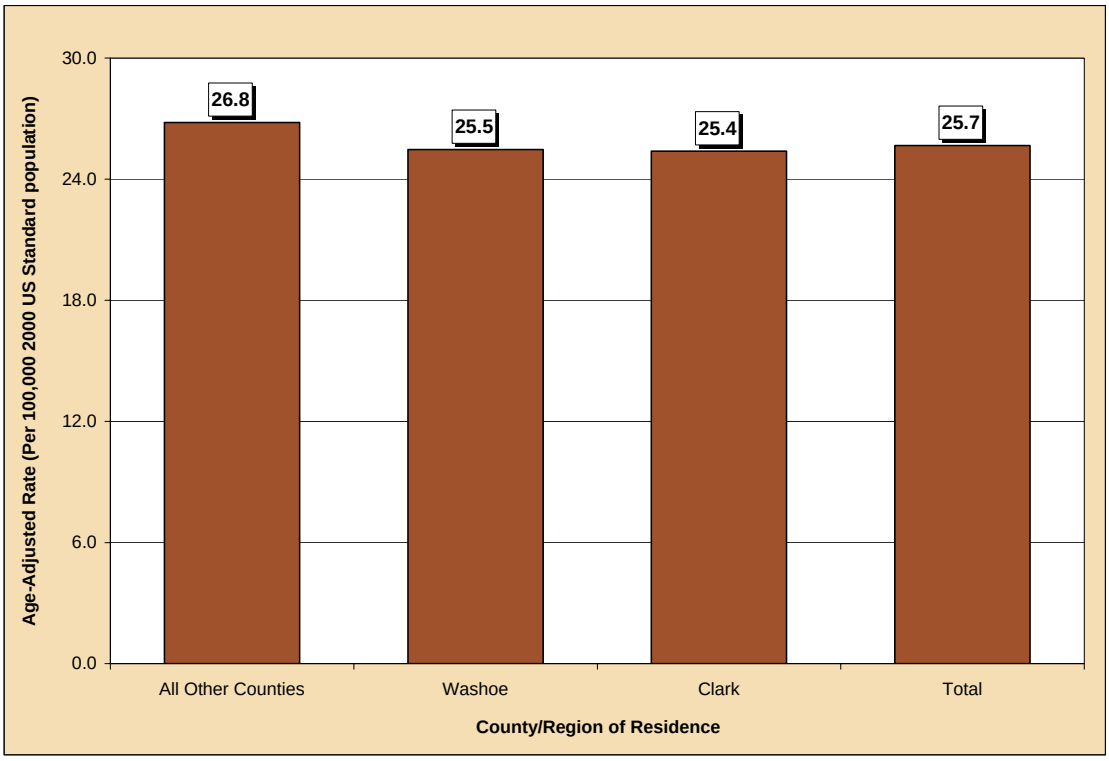


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

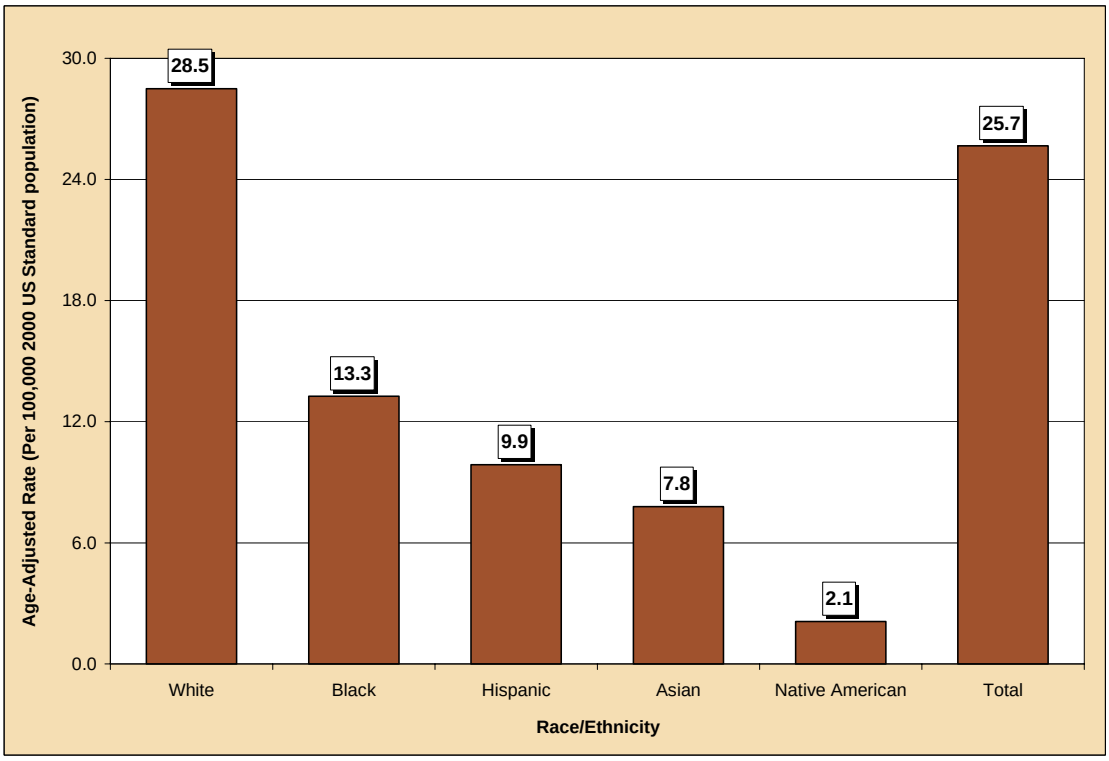


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	2,444	1,650	384	410	0	35,375
Rate*	25.7	25.7	25.7	25.7	---	20.4
95% C.I.	(24.6-26.7)	(24.6-26.7)	(24.6-26.7)	(24.6-26.7)	---	(20.2-20.6)
Gender						
Male	1,893	1,893	1,893	1,893	0	25,824
Rate*	43.4	43.4	43.4	43.4	---	36.2
95% C.I.	(41.3-45.6)	(41.3-45.6)	(41.3-45.6)	(41.3-45.6)	---	(35.7-36.6)
Female	551	551	551	551	0	8,912
Rate*	11.0	11.0	11.0	11.0	---	9.1
95% C.I.	(10.1-11.9)	(10.1-11.9)	(10.1-11.9)	(10.1-11.9)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	2,259	1,489	369	401	0	31,167
Rate*	28.5	28.5	28.5	28.5	---	22.5
95% C.I.	(27.3-29.7)	(27.3-29.7)	(27.3-29.7)	(27.3-29.7)	---	(22.2-22.7)
Black	61	58	1	2	0	1,678
Rate*	13.3	13.3	---	---	---	12.6
95% C.I.	(10.0-17.6)	(10.0-17.6)	---	---	---	(12.0-13.2)
Native American	3	2	1	0	0	79
Rate*	---	---	---	---	---	5.6
95% C.I.	---	---	---	---	---	(4.4-4.4)
Asian	29	25	4	0	0	1,573
Rate*	7.8	7.8	---	---	---	9.6
95% C.I.	(4.7-13.1)	(4.7-13.1)	---	---	---	(9.2-10.1)
Hispanic	63	51	7	5	0	1,574
Rate*	9.9	9.9	---	---	---	10.5
95% C.I.	(7.2-13.6)	(7.2-13.6)	---	---	---	(10.0-11.1)
Other/Unknown	29	25	2	2	0	269

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 130. Urinary Bladder Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	2,444	1,650	384	410	0	35,375
Rate*	25.7	25.4	25.5	26.8	---	20.4
95% C.I.	(24.6-26.7)	(24.1-26.7)	(22.9-28.3)	(24.2-29.6)	---	(20.2-20.6)
Age Group						
<1	2	0	2	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.2)
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	2	2	0	0	0	42
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	10	8	2	0	0	175
Rate*	0.6	---	---	---	---	0.6
95% C.I.	(0.24-1.04)	---	---	---	---	(0.5-0.7)
35-44	51	28	10	13	0	845
Rate*	3.1	2.4	3.5	5.9	---	2.7
95% C.I.	(2.24-3.93)	(1.53-3.34)	(1.34-5.71)	(2.68-9.05)	---	(2.5-2.9)
45-54	177	123	31	23	0	2,822
Rate*	12.5	12.9	12.3	10.7	---	10.9
95% C.I.	(10.62-14.29)	(10.63-15.20)	(7.94-16.56)	(6.30-15.02)	---	(10.5-11.3)
55-64	458	315	69	74	0	5,932
Rate*	44.5	44.7	42.0	46.6	---	37.7
95% C.I.	(40.45-48.61)	(39.73-49.59)	(32.07-51.88)	(35.99-57.23)	---	(36.7-38.7)
65-74	842	563	130	149	0	10,185
Rate*	122.4	119.5	124.5	132.8	---	92.0
95% C.I.	(114.14-130.68)	(109.61-129.34)	(103.08-145.87)	(111.50-154.16)	---	(90.2-93.8)
75-84	730	518	102	110	0	11,339
Rate*	186.1	195.2	165.9	168.3	---	148.3
95% C.I.	(172.61-199.61)	(178.37-211.99)	(133.69-198.08)	(136.85-199.76)	---	(145.6-151.0)
85+	172	93	38	41	0	4,023
Rate*	195.5	167.2	228.7	260.4	---	150.2
95% C.I.	(166.28-224.71)	(133.22-201.19)	(156.00-301.45)	(180.66-340.05)	---	(145.6-154.9)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 131. Urinary Bladder Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	102	40.3	(32.49-48.13)	33.9	(27.6-41.3)
Churchill	30	24.4	(15.68-33.15)	25.6	(17.2-37.0)
Clark	1,650	22.5	(21.43-23.60)	25.4	(24.1-26.7)
Douglas	71	33.1	(25.42-40.83)	27.6	(21.3-35.5)
Elko	22	9.7	(5.63-13.71)	17.4	(10.2-28.5)
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	11	13.6	(5.55-21.60)	17.8	(8.6-33.6)
Lander	7	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	68	36.7	(27.96-45.40)	32.8	(25.3-42.0)
Mineral	7	---	---	---	---
Nye	64	37.8	(28.51-47.01)	26.7	(20.2-35.2)
Pershing	4	---	---	---	---
Storey	6	---	---	---	---
Washoe	384	22.0	(19.78-24.18)	25.5	(22.9-28.3)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	2,444	23.3	(22.36-24.20)	25.7	(24.6-26.7)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	1,745	514	0	2,259
	Rate*	47.4	12.4	---	28.5
	95% C.I.	(45.1-49.9)	(11.4-13.5)	---	(27.3-29.7)
Black	Incidence	49	12	0	61
	Rate*	25.0	4.5	---	13.3
	95% C.I.	(17.6-35.9)	(2.3-8.1)	---	(10.0-17.6)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	21	8	0	29
	Rate*	15.2	---	---	7.8
	95% C.I.	(8.1-28.3)	---	---	(4.7-13.1)
Hispanic	Incidence	53	10	0	63
	Rate*	17.4	3.6	---	9.9
	95% C.I.	(12.0-25.9)	(1.6-7.6)	---	(7.2-13.6)
Other/Unknown		23	6	0	29
Total	Incidence	1,893	551	0	2,444
	Rate*	43.4	11.0	---	25.7
	95% C.I.	(41.3-45.6)	(10.1-11.9)	---	(24.6-26.7)

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	2	0	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	3	0	10
Rate*	---	---	---	0.64
95% C.I.	---	---	---	(0.24-1.04)
35-44	36	15	0	51
Rate*	4.19	1.88	---	3.08
95% C.I.	(2.82-5.56)	(0.93-2.84)	---	(2.24-3.93)
45-54	137	40	0	177
Rate*	19.02	5.71	---	12.46
95% C.I.	(15.84-22.21)	(3.94-7.48)	---	(10.62-14.29)
55-64	374	84	0	458
Rate*	73.62	16.14	---	44.53
95% C.I.	(66.16-81.08)	(12.69-19.59)	---	(40.45-48.61)
65-74	650	192	0	842
Rate*	191.54	55.10	---	122.41
95% C.I.	(176.81-206.26)	(47.30-62.89)	---	(114.14-130.68)
75-84	561	169	0	730
Rate*	316.48	78.61	---	186.11
95% C.I.	(290.29-342.67)	(66.76-90.46)	---	(172.61-199.61)
85+	125	47	0	172
Rate*	429.79	79.80	---	195.49
95% C.I.	(354.44-505.13)	(56.98-102.61)	---	(166.28-224.71)
Unknown	0	0	0	0
Total	1,893	551	0	2,444
Rate*	35.49	10.67	---	23.28
95% C.I.	(33.89-37.08)	(9.78-11.56)	---	(22.36-24.20)

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 134. Urinary Bladder Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	2	0	0	0	2
	Percent	---	100.0%	---	---	---	100.0%
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	2	0	0	0	2
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	6	2	0	1	1	10
	Percent	60.0%	20.0%	---	10.0%	10.0%	100.0%
35-44	Number	18	25	3	1	4	51
	Percent	35.3%	49.0%	5.9%	2.0%	7.8%	100.0%
45-54	Number	86	53	18	10	10	177
	Percent	48.6%	29.9%	10.2%	5.6%	5.6%	100.0%
55-64	Number	168	180	51	25	34	458
	Percent	36.7%	39.3%	11.1%	5.5%	7.4%	100.0%
65-74	Number	320	323	82	35	82	842
	Percent	38.0%	38.4%	9.7%	4.2%	9.7%	100.0%
75-84	Number	262	310	61	21	76	730
	Percent	35.9%	42.5%	8.4%	2.9%	10.4%	100.0%
85+	Number	49	74	16	4	29	172
	Percent	28.5%	43.0%	9.3%	2.3%	16.9%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	909	971	231	97	236	2,444
	Percent	37.2%	39.7%	9.5%	4.0%	9.7%	100.0%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	831	19	2	12	28	17	909
	Percent	36.8%	31.1%	66.7%	41.4%	44.4%	58.6%	37.2%
Localized	Number	910	23	1	8	21	8	971
	Percent	40.3%	37.7%	33.3%	27.6%	33.3%	27.6%	39.7%
Regional	Number	216	8	0	4	3	0	231
	Percent	9.6%	13.1%	---	13.8%	4.8%	---	9.5%
Distant	Number	89	5	0	2	1	0	97
	Percent	3.9%	8.2%	---	6.9%	1.6%	---	4.0%
Unstaged	Number	213	6	0	3	10	4	236
	Percent	9.4%	9.8%	---	10.3%	15.9%	13.8%	9.7%
Total	Number	2,259	61	3	29	63	29	2,444
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

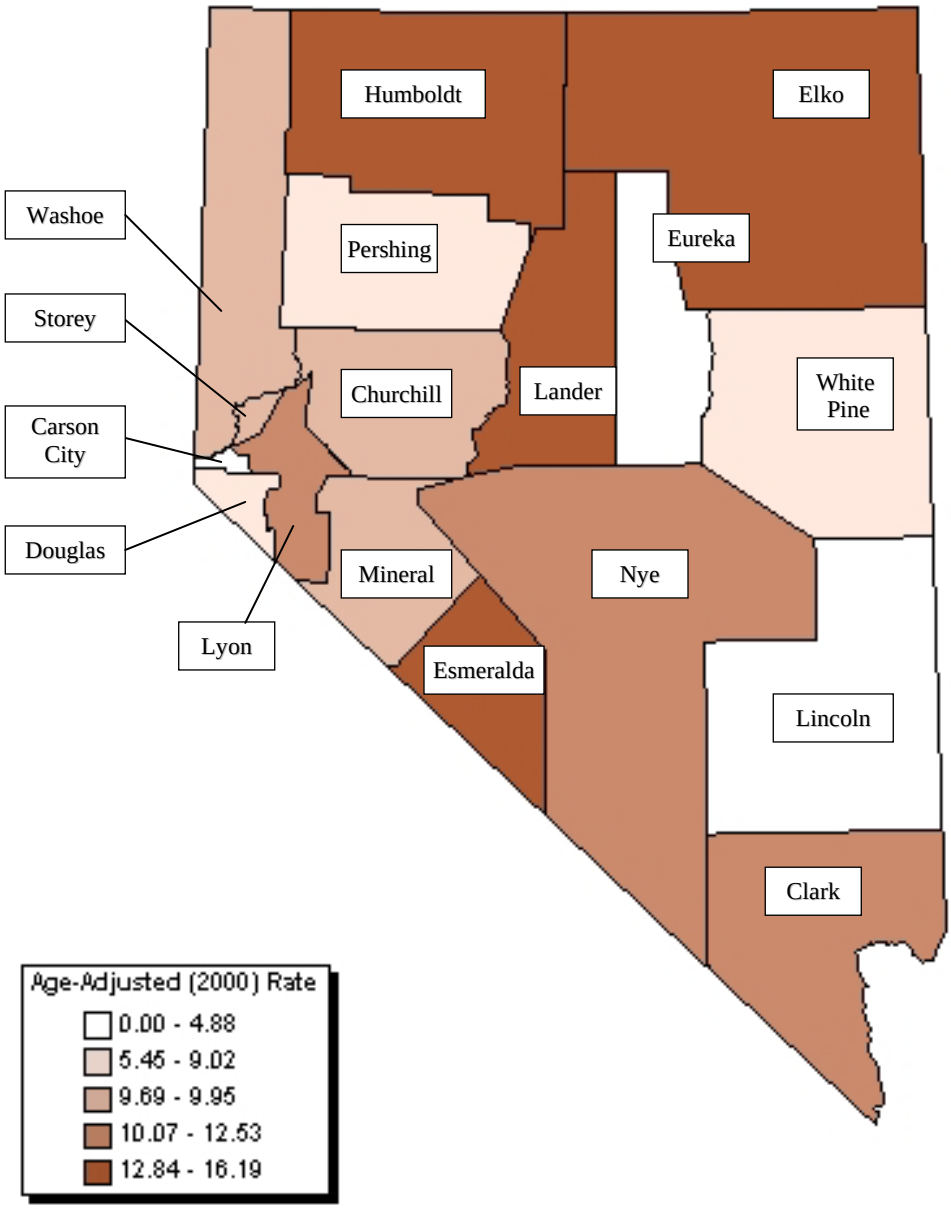
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	1,745	71.0	514	72.0	2,259	71.0
Black	49	69.0	12	66.0	61	68.0
Native American	2	---	1	---	3	---
Asian	21	71.0	8	60.5	29	71.0
Hispanic	53	63.0	10	69.5	63	65.0
Other/Unknown	23	68.0	6	75.0	29	70.0
Total	1,893	71.0	551	71.0	2,444	71.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 92. Urinary Bladder Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

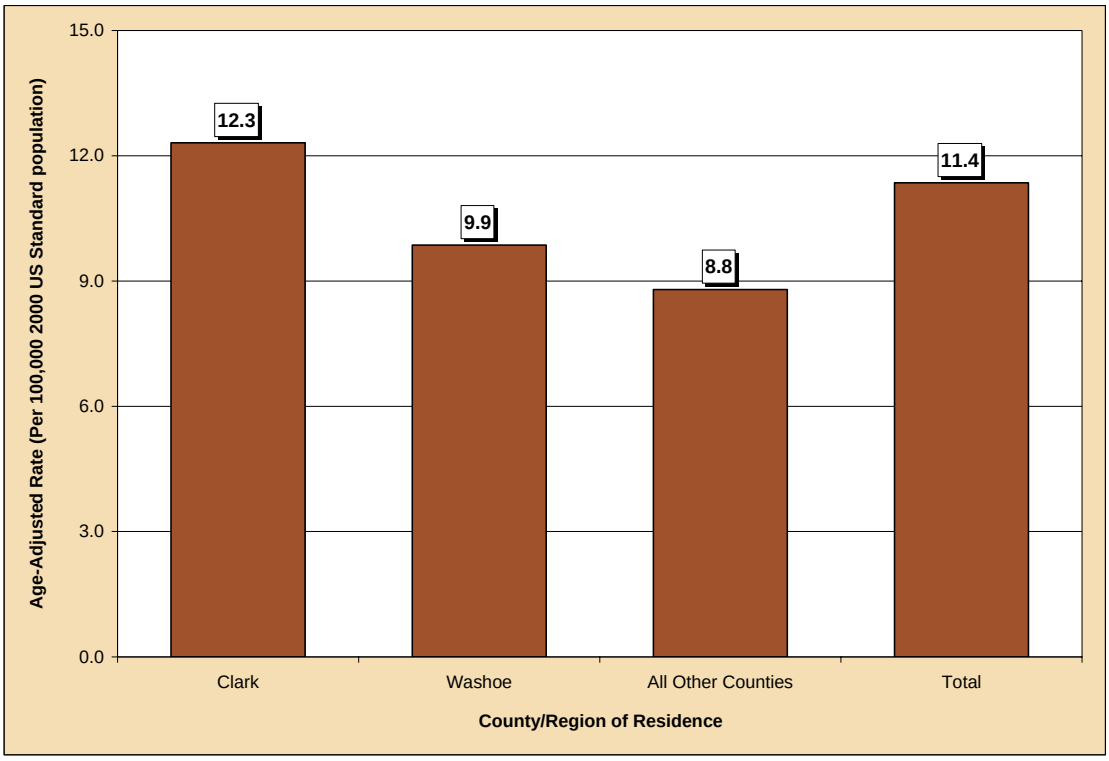


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

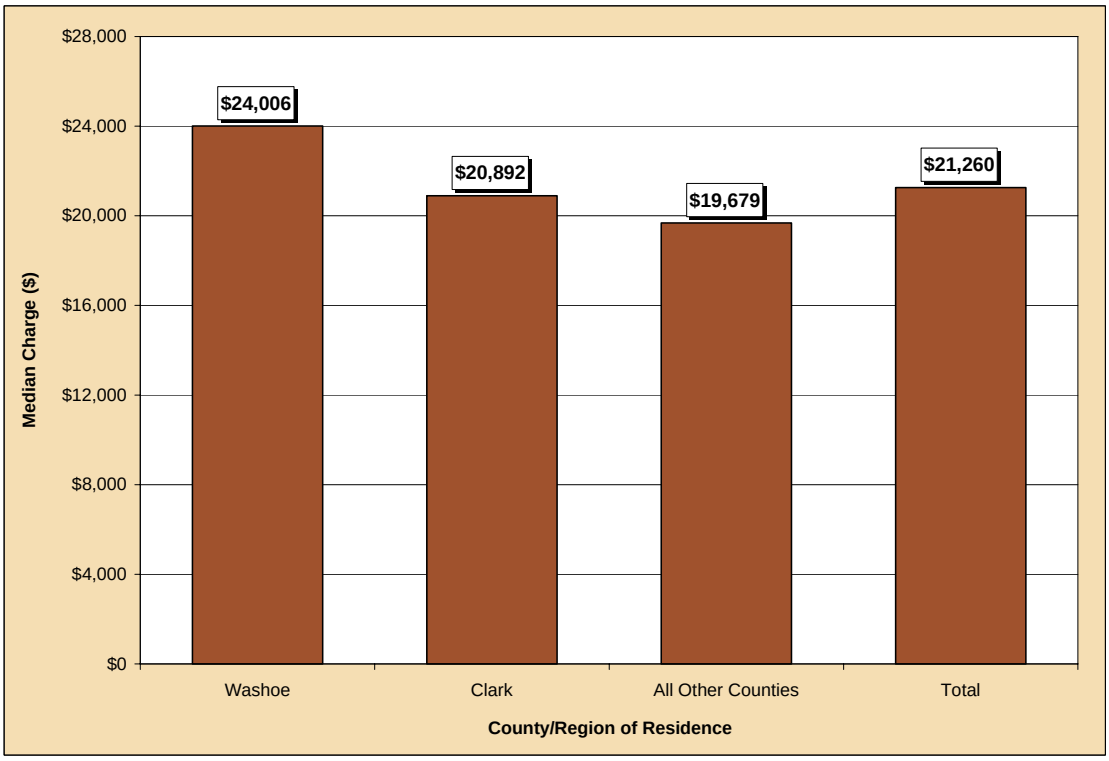


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

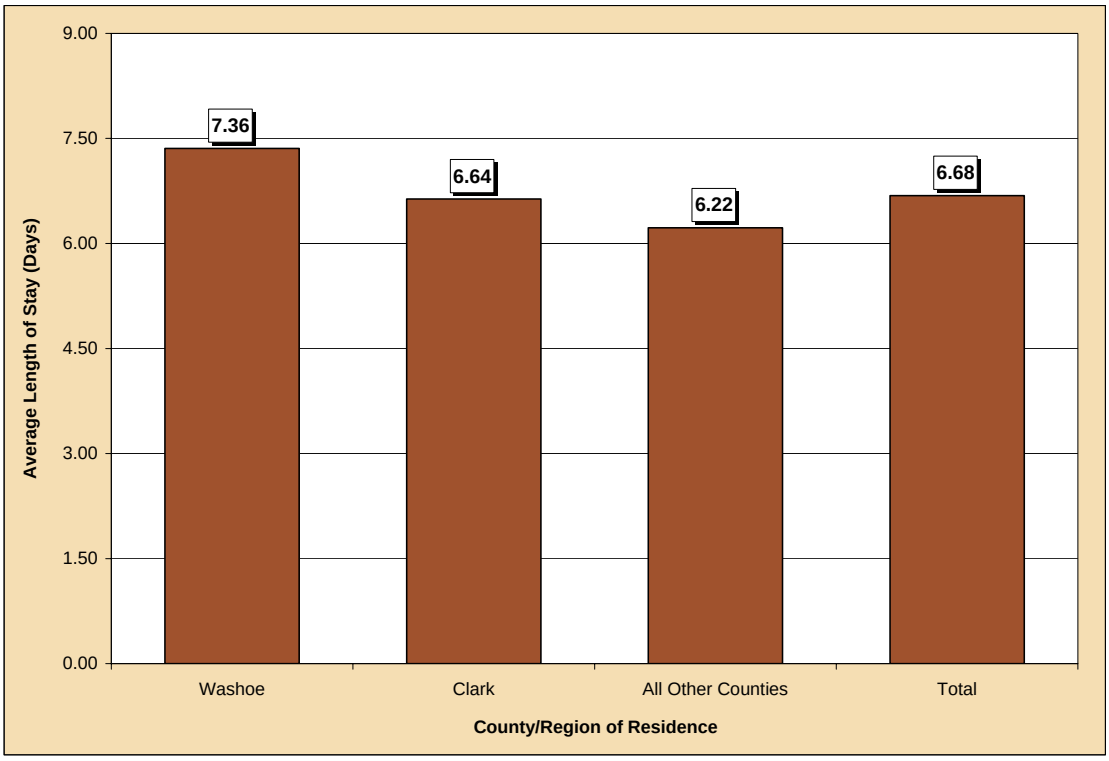


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,067	780	146	139	2
Rate*	11.4	12.3	9.9	8.8	---
95% C.I.	(10.7-12.1)	(11.4-13.2)	(8.3-11.7)	(7.4-10.5)	---
Gender					
Male	829	618	98	111	2
Rate*	19.3	21.5	15.0	14.7	---
95% C.I.	(17.9-20.8)	(19.7-23.5)	(12.1-18.6)	(12.0-18.0)	---
Female	238	162	48	28	0
Rate*	4.8	4.8	6.0	3.4	---
95% C.I.	(4.2-5.5)	(4.1-5.7)	(4.4-7.9)	(2.3-5.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$41,268,505	$30,271,054	$6,060,537	$4,877,060	---
Average Charges	$38,677	$38,809	$41,511	$35,087	---
Median Charges	$21,260	$20,892	$24,006	$19,679	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	7,131	5,176	1,074	865	---
Average LOS	6.7	6.6	7.4	6.2	---
Median LOS	4.0	4.0	6.0	4.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	1,067	780	146	139
Rate*	10.2	10.6	8.4	9.8
95% C.I.	(9.55-10.77)	(9.90-11.39)	(7.00-9.71)	(8.15-11.40)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	11	9	2	0
Rate*	0.7	---	---	---
95% C.I.	(0.27-1.06)	---	---	---
45-54	69	52	10	7
Rate*	4.9	5.5	4.0	---
95% C.I.	(3.71-6.00)	(3.98-6.95)	(1.50-6.40)	---
55-64	194	136	18	40
Rate*	18.9	19.3	11.0	25.2
95% C.I.	(16.21-21.52)	(16.04-22.52)	(5.89-16.01)	(17.39-33.00)
65-74	324	231	50	43
Rate*	47.1	49.0	47.9	38.3
95% C.I.	(41.98-52.23)	(42.70-55.34)	(34.60-61.15)	(26.88-49.79)
75-84	386	292	52	40
Rate*	98.4	110.0	84.6	61.2
95% C.I.	(88.59-108.23)	(97.41-122.65)	(61.58-107.55)	(42.23-80.17)
85+	78	55	14	9
Rate*	88.7	98.9	84.3	---
95% C.I.	(68.98-108.33)	(72.75-125.02)	(40.12-128.41)	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 139. Urinary Bladder Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	2	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	7	4	11
Rate*	---	---	0.66
95% C.I.	---	---	(0.27-1.06)
45-54	55	14	69
Rate*	7.64	2.00	4.86
95% C.I.	(5.62-9.66)	(0.95-3.04)	(3.71-6.00)
55-64	167	27	194
Rate*	32.87	5.19	18.86
95% C.I.	(27.89-37.86)	(3.23-7.14)	(16.21-21.52)
65-74	249	75	324
Rate*	73.37	21.52	47.10
95% C.I.	(64.26-82.49)	(16.65-26.39)	(41.98-52.23)
75-84	291	95	386
Rate*	164.16	44.19	98.41
95% C.I.	(145.30-183.03)	(35.30-53.08)	(88.59-108.23)
85+	57	21	78
Rate*	195.98	35.65	88.65
95% C.I.	(145.10-246.86)	(20.41-50.90)	(68.98-108.33)
Unknown	0	0	0
Total	829	238	1,067
Rate*	15.54	4.61	10.16
95% C.I.	(14.48-16.60)	(4.02-5.20)	(9.55-10.77)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	15	5.9	(2.93-8.93)	4.9	(2.7-8.1)
Churchill	12	9.8	(4.24-15.29)	10.0	(5.1-18.0)
Clark	780	10.6	(9.90-11.39)	12.3	(11.4-13.2)
Douglas	17	7.9	(4.16-11.70)	6.3	(3.6-10.8)
Elko	16	7.0	(3.59-10.47)	16.1	(8.7-27.7)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	8	---	---	---	---
Lander	4	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	27	14.6	(9.07-20.06)	12.5	(8.2-18.7)
Mineral	4	---	---	---	---
Nye	26	15.3	(9.44-21.24)	10.1	(6.4-15.9)
Pershing	2	---	---	---	---
Storey	3	---	---	---	---
Washoe	146	8.4	(7.00-9.71)	9.9	(8.3-11.7)
White Pine	3	---	---	---	---
Unknown	2	---	---	---	---
Total	1,067	10.2	(9.55-10.77)	11.4	(10.7-12.1)

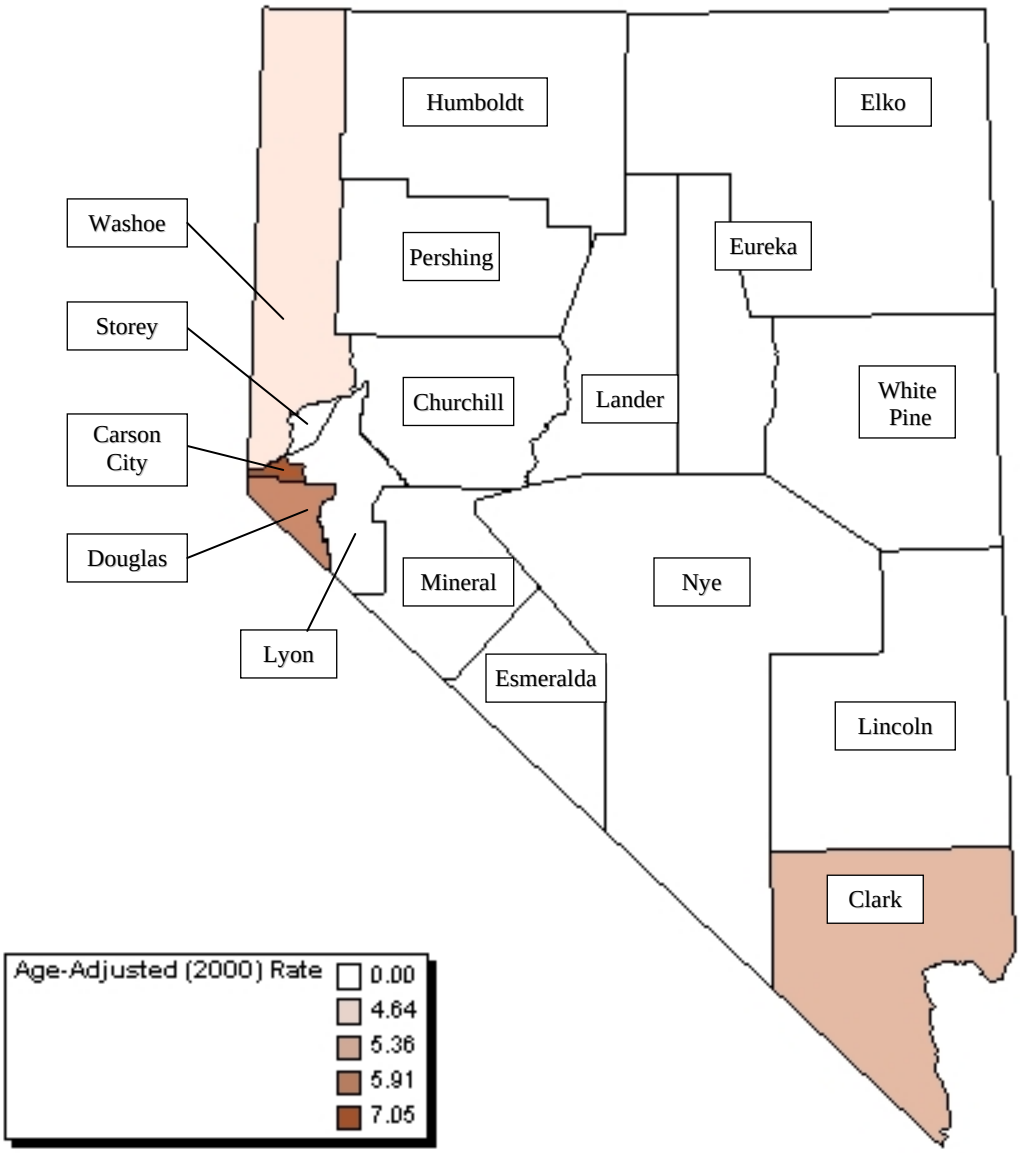
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	4	---	---	---	---	---	---
35-44	11	419,352	38,123	35,031	72	6.6	6.0
45-54	69	2,964,240	42,960	26,489	496	7.2	6.0
55-64	194	7,552,652	38,931	28,586	1,305	6.7	5.0
65-74	324	13,250,757	40,897	22,376	2,257	7.0	5.0
75-84	386	15,215,163	39,418	19,134	2,570	6.7	4.0
85+	78	1,674,725	21,471	14,932	390	5.0	3.0
Unknown	0	---	---	---	---	---	---
Total	1,067	41,268,505	38,677	21,260	7,131	6.7	4.0

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

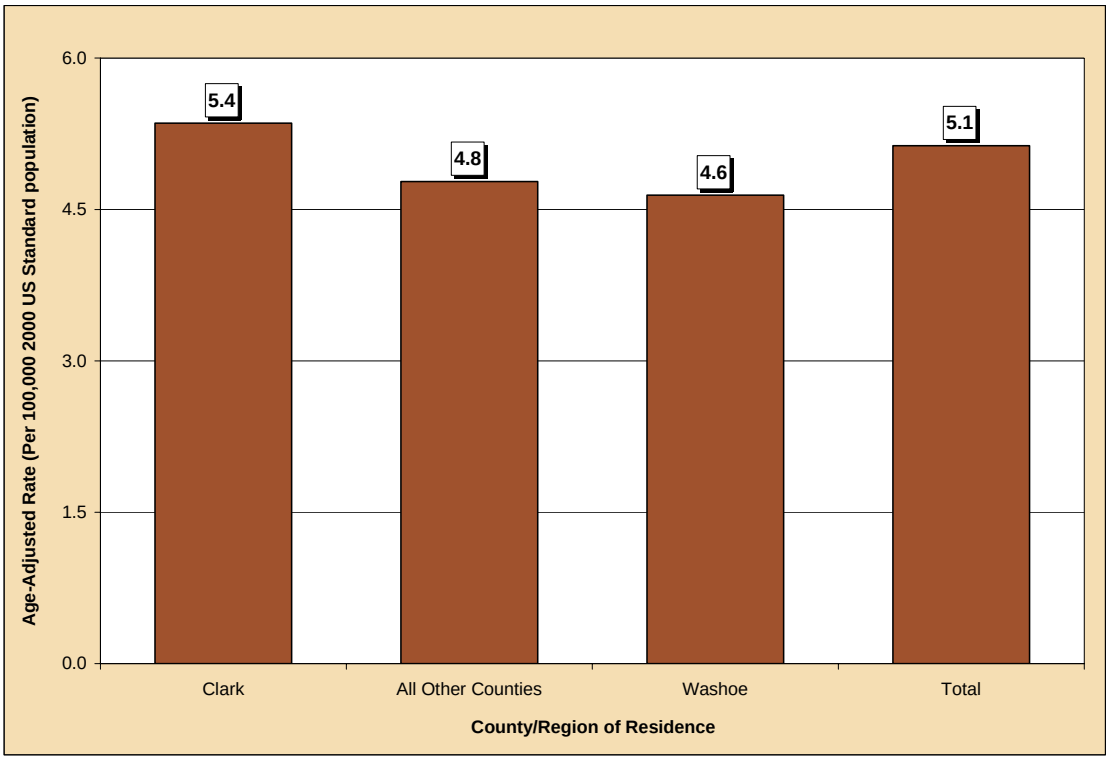


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

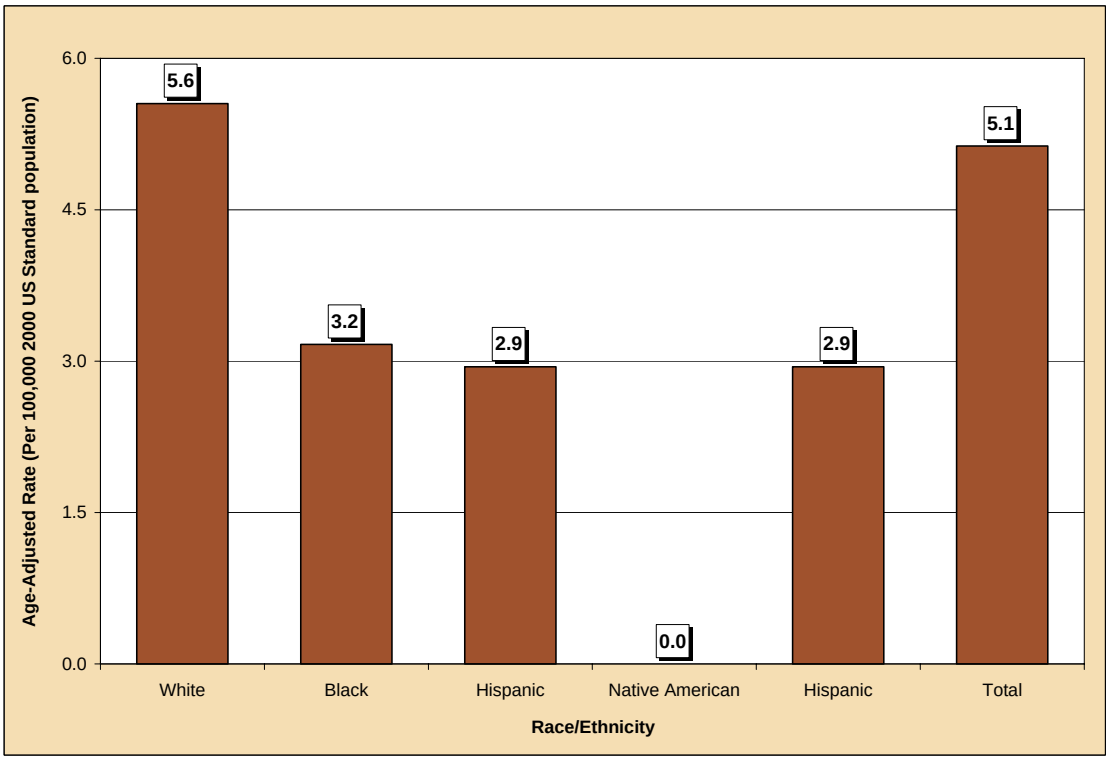


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	449	313	67	69
Rate*	5.1	5.4	4.6	4.8
95% C.I.	(4.7-5.7)	(4.8-6.0)	(3.6-5.9)	(3.7-6.1)
Gender				
Male	331	331	331	331
Rate*	8.8	9.4	7.1	8.1
95% C.I.	(7.8-9.9)	(8.1-10.8)	(5.0-9.9)	(5.9-11.0)
Female	118	118	118	118
Rate*	2.5	2.4	3.1	2.3
95% C.I.	(2.0-3.0)	(1.9-3.0)	(2.0-4.6)	(1.3-3.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	414	284	61	69
Rate*	5.6	5.9	4.7	5.2
95% C.I.	(5.0-6.1)	(5.2-6.7)	(3.6-6.1)	(4.0-6.6)
Black	13	12	1	0
Rate*	3.2	3.1	---	---
95% C.I.	(1.6-5.9)	(1.5-6.1)	---	---
Native American	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	10	9	1	0
Rate*	2.9	---	---	---
95% C.I.	(1.3-5.9)	---	---	---
Other/Unknown	1	1	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	449	313	67	69
Rate*	5.1	5.4	4.6	4.8
95% C.I.	(4.7-5.7)	(4.8-6.0)	(3.6-5.9)	(3.7-6.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	17	14	2	1
Rate*	1.2	1.5	---	---
95% C.I.	(0.63-1.77)	(0.70-2.24)	---	---
55-64	73	49	13	11
Rate*	7.1	7.0	7.9	6.9
95% C.I.	(5.47-8.73)	(5.00-8.89)	(3.61-12.21)	(2.83-11.02)
65-74	117	80	14	23
Rate*	17.0	17.0	13.4	20.5
95% C.I.	(13.93-20.09)	(13.26-20.70)	(6.38-20.43)	(12.12-28.88)
75-84	161	115	27	19
Rate*	41.1	43.3	43.9	29.1
95% C.I.	(34.71-47.39)	(35.41-51.25)	(27.35-60.47)	(16.00-42.14)
85+	76	52	10	14
Rate*	86.4	93.5	60.2	88.9
95% C.I.	(66.96-105.80)	(68.08-118.90)	(22.88-97.50)	(42.33-135.47)
Unknown	0	0	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
* Rates are per 100,000 age-specific population.

Table 144. Urinary Bladder Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	21	8.3	(4.75-11.85)	7.1	(4.3-10.9)
Churchill	3	---	---	---	---
Clark	313	4.3	(3.80-4.74)	5.4	(4.8-6.0)
Douglas	14	6.5	(3.11-9.95)	5.9	(3.1-10.6)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	1	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	9	---	---	---	---
Mineral	3	---	---	---	---
Nye	8	---	---	---	---
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	67	3.8	(2.92-4.75)	4.6	(3.6-5.9)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	449	4.3	(3.88-4.67)	5.1	(4.7-5.7)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	307	107	0	414
	Rate*	9.5	2.7	---	5.6
	95% C.I.	(8.3-10.7)	(2.2-3.2)	---	(5.0-6.1)
Black	Incidence	12	1	0	13
	Rate*	6.8	---	---	3.2
	95% C.I.	(3.1-14.5)	---	---	(1.6-5.9)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	5	3	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Hispanic	Incidence	5	5	0	10
	Rate*	---	---	---	2.9
	95% C.I.	---	---	---	(1.3-5.9)
Other/Unknown		0	1	0	1
Total	Incidence	331	118	0	449
	Rate*	8.8	2.5	---	5.1
	95% C.I.	(7.8-9.9)	(2.0-3.0)	---	(4.7-5.7)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
45-54	9	8	17
Rate*	---	---	1.20
95% C.I.	---	---	(0.63-1.77)
55-64	56	17	73
Rate*	11.02	3.27	7.10
95% C.I.	(8.14-13.91)	(1.71-4.82)	(5.47-8.73)
65-74	93	24	117
Rate*	27.40	6.89	17.01
95% C.I.	(21.84-32.97)	(4.13-9.64)	(13.93-20.09)
75-84	118	43	161
Rate*	66.57	20.00	41.05
95% C.I.	(54.56-78.58)	(14.02-25.98)	(34.71-47.39)
85+	53	23	76
Rate*	182.23	39.05	86.38
95% C.I.	(133.17-231.29)	(23.09-55.01)	(66.96-105.80)
Unknown	0	0	0
Total	331	118	449
Rate*	6.21	2.29	4.28
95% C.I.	(5.54-6.87)	(1.87-2.70)	(3.88-4.67)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

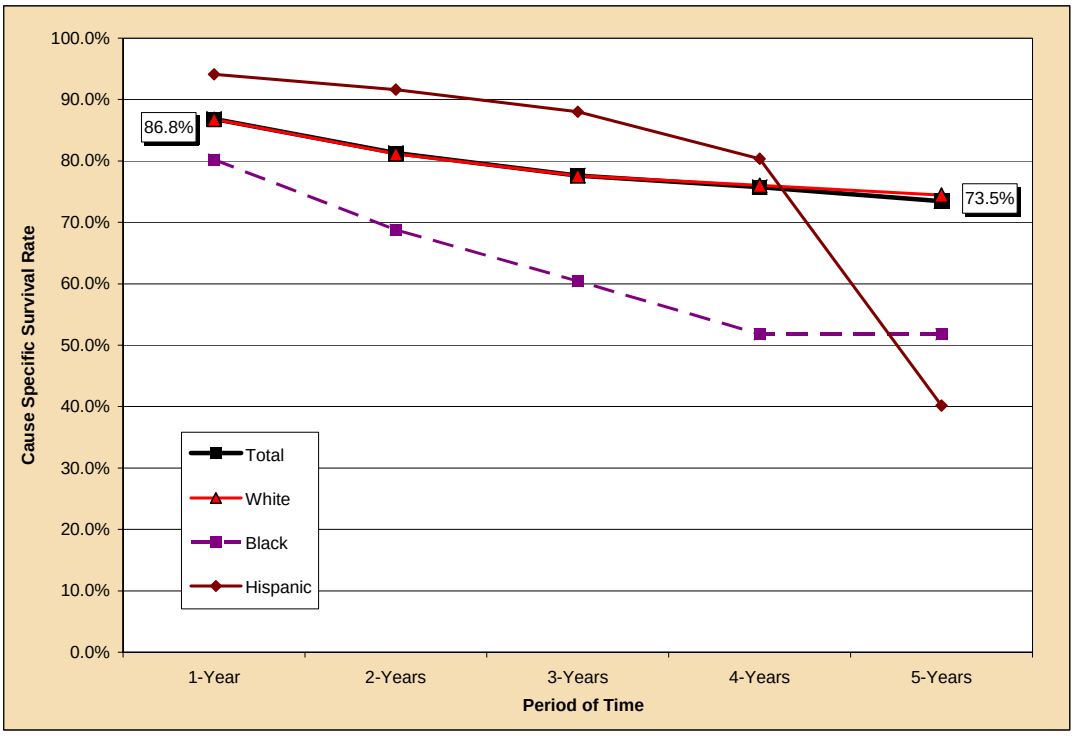
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	307	75.0	107	75.0	414	75.0
Black	12	73.0	1	---	13	74.0
Native American	2	---	1	---	3	---
Asian	5	70.0	3	---	8	74.0
Hispanic	5	81.0	5	84.0	10	82.5
Other/Unknown	0	---	1	---	1	---
Total	331	75.0	118	76.0	449	75.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 99. Survival Rates for Urinary Bladder Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

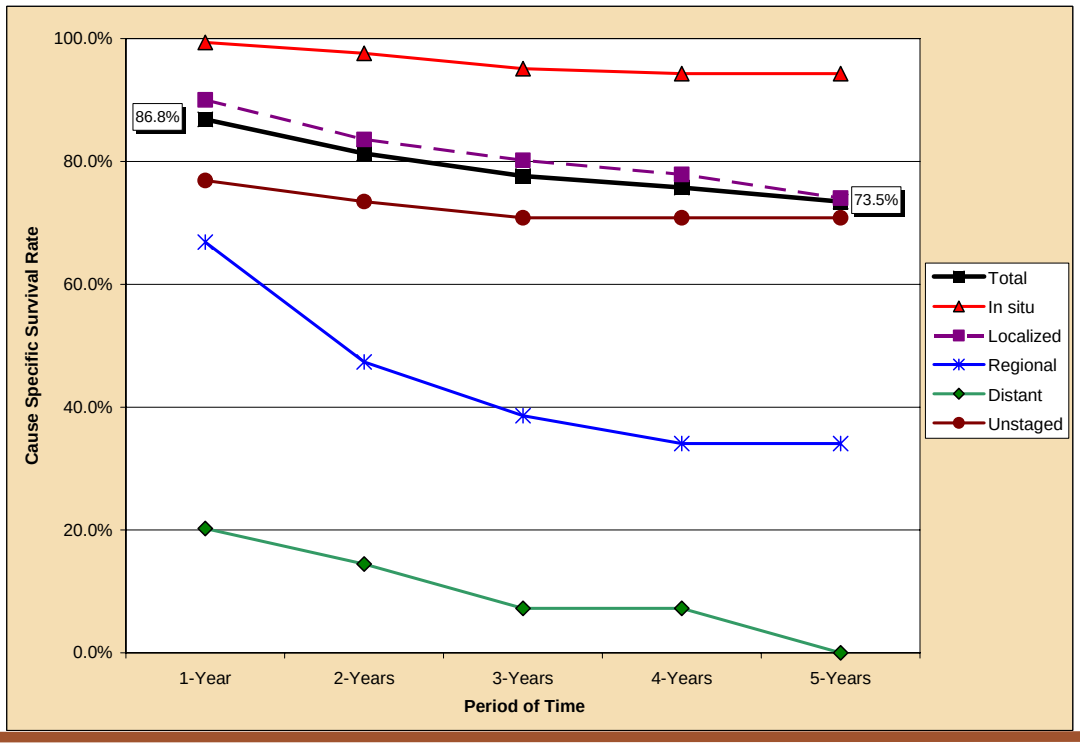


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,952	86.8%	81.3%	77.6%	75.7%	73.5%	> 5 YEARS
Male	1,501	88.0%	82.4%	78.0%	76.3%	74.3%	> 5 YEARS
Female	451	83.0%	77.5%	76.6%	73.9%	70.8%	> 5 YEARS
Race/Ethnicity							
White	1,792	86.8%	81.2%	77.6%	76.0%	74.4%	> 5 YEARS
Male	1,372	88.0%	82.3%	77.9%	76.4%	75.3%	> 5 YEARS
Female	420	83.1%	77.7%	76.7%	74.9%	71.7%	> 5 YEARS
Black	51	80.2%	68.8%	60.4%	51.8%	51.8%	> 5 YEARS
Male	41	---	---	---	---	---	.
Female	10	---	---	---	---	---	.
Native American	3	---	---	---	---	---	.
Male	2	---	---	---	---	---	.
Female	1	---	---	---	---	---	.
Asian	26	---	---	---	---	---	.
Male	19	---	---	---	---	---	.
Female	7	---	---	---	---	---	.
Hispanic	56	94.1%	91.6%	88.0%	80.4%	40.2%	4.76
Male	48	---	---	---	---	---	.
Female	8	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 149. Cause-Specific Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,952	1,501	451
	One Year	86.8%	88.0%	83.0%
	5 Years	73.5%	74.3%	70.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	729	545	184
	One Year	99.4%	99.6%	98.8%
	5 Years	94.3%	94.3%	94.2%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Localized	Cases	780	619	161
	One Year	90.0%	90.4%	88.5%
	5 Years	74.0%	74.3%	72.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	182	136	46
	One Year	66.9%	73.0%	---
	5 Years	34.1%	38.9%	---
	Median Survival	1.87	2.30	.
Distant	Cases	86	68	18
	One Year	20.3%	22.8%	---
	5 Years	0.0%	0.0%	---
	Median Survival	0.63	0.65	.
Unstaged	Cases	175	133	42
	One Year	76.9%	80.8%	---
	5 Years	70.8%	74.0%	---
	Median Survival	> 5 YEARS	> 5 YEARS	.

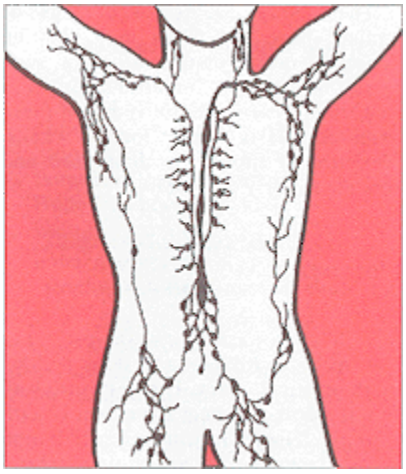
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

NON-HODGKIN'S LYMPHOMA

NON-HODGKIN'S LYMPHOMA

GENERAL PROFILE[4]

Figure 101. Anatomy of the Lymphatic System



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. Lymphatic vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

In Non-Hodgkin's Lymphoma, cells in the lymphatic system become abnormal. They divide and grow without any order or control, or old cells do not die as cells normally do. Non-Hodgkin's lymphoma can start almost anywhere in the body and may occur in a single lymph node, a group of lymph nodes, or in another organ. This type of cancer can spread to almost any part of the body, including the liver, bone marrow, and spleen.

Risk Factors: Age, male gender, weakened immune system, viruses (Human T-lymphotropic virus type I (HTLV-1) and Epstein-Barr virus), and environment (chemical exposure).

Signs and Symptoms: Unexplained fever, night sweats, constant fatigue, unexplained weight loss, itchy skin, and reddened patches on the skin.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and lymphangiogram.

Treatment: Treatment options include: chemotherapy, radiation therapy, bone marrow transplantation (BMT), biological therapy, surgery, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 17.1, to the age-adjusted mortality rate, 6.7 (per 100,000 – 2000 US Standard population), for Non-Hodgkin's Lymphoma was 2.55 during the 1999 to 2003 period, which means that for every 255 Non-Hodgkin's Lymphoma cases during this period, there was 100 deaths due to Non-Hodgkin's Lymphoma in Nevada.

- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Non-Hodgkin's Lymphoma were compared. For every 100 female deaths due to Non-Hodgkin's Lymphoma there was 256 female cases while there were 247 male cases for every 100 male Non-Hodgkin's Lymphoma death in Nevada from 1999 to 2003.

- The median age at diagnosis of Non-Hodgkin's Lymphoma was 66 years of age for Nevada residents from 1999 to 2003; the median age at time of death was 73 years.

INCIDENCE

- There were 1,679 cases of Non-Hodgkin's Lymphoma in Nevada from 1999 to 2003. Nevada's lower incidence rate, 17.1 (16.3-18.0), for Non-Hodgkin's Lymphoma showed statistical significance when compared to the national rate, 19.2 (19.0-19.4), per 100,000 – 2000 US Standard population.

- Regional comparisons showed that Clark County's age-adjusted incidence rate, 17.7, was higher than the rate for Washoe County and All Other Counties who had rates of 16.8 and 15.3 (per 100,000 – 2000 US Standard population) from 1999 to 2003.

- Males had a statistically significant higher age-adjusted incidence rate, 20.7 (19.3-22.2), than females from 1999 to 2003 who had a rate of 14.1 (13.1-15.2), (per 100,000 – 2000 US Standard population).

- Whites had the highest age-adjusted incidence rate, 18.4, for Non-Hodgkin's Lymphoma of all racial/ethnic groups and were followed by Blacks, Asians, Hispanics and Native Americans with rates of 12.1, 11.5, 9.0, and 2.2 (per 100,000 – 2000 US Standard population), respectively, during this period.

INPATIENT HOSPITAL DISCHARGES

- Statistical regional comparisons indicate that Washoe County had the highest age-adjusted inpatient discharge rate for Non-Hodgkin's Lymphoma, 11.3 (9.7-13.2), and was followed by Clark County, 10.7 (9.9-11.5), and All Other Counties, 8.3 (6.9-10.0), per 100,000 – 2000 US Standard population) from 1999 to 2003.

- Clark County had the highest median total charge ($31,702) for Non-Hodgkin's Lymphoma inpatient hospital discharges during the 1999 to 2003 period and was followed by Washoe County ($22,969) and All Other Counties ($21,392).

- Total billed charges for hospital inpatient discharges from Non-Hodgkin's Lymphoma in Nevada totaled nearly 50.7 million dollars from 1999 to 2003. The overall average billed charge per day for an inpatient hospital discharge for Non-Hodgkin's Lymphoma was approximately $5,336 in Nevada during this time.

MORTALITY

- There were 617 deaths in Nevada due to Non-Hodgkin's Lymphoma from 1999 to 2003. Regional comparisons showed little difference between the age-adjusted mortality rates for Washoe County, All Other Counties as a region, and Clark County with rates of 7.9, 7.1 and 6.3 (per 100,000 – 2000 US Standard population), respectively.

- While racial/ethnic comparisons showed that Whites had highest age-adjusted mortality rate (7.0) for Non-Hodgkin's Lymphoma, and were followed by Hispanics, Blacks, and Asians with rates of 5.6, 5.2 and 4.7 (per 100,000 – 2000 US Standard population), respectively; statistical analysis does not show any statistical significance between any of the racial/ethnic groups during the 1999 to 2003 period.

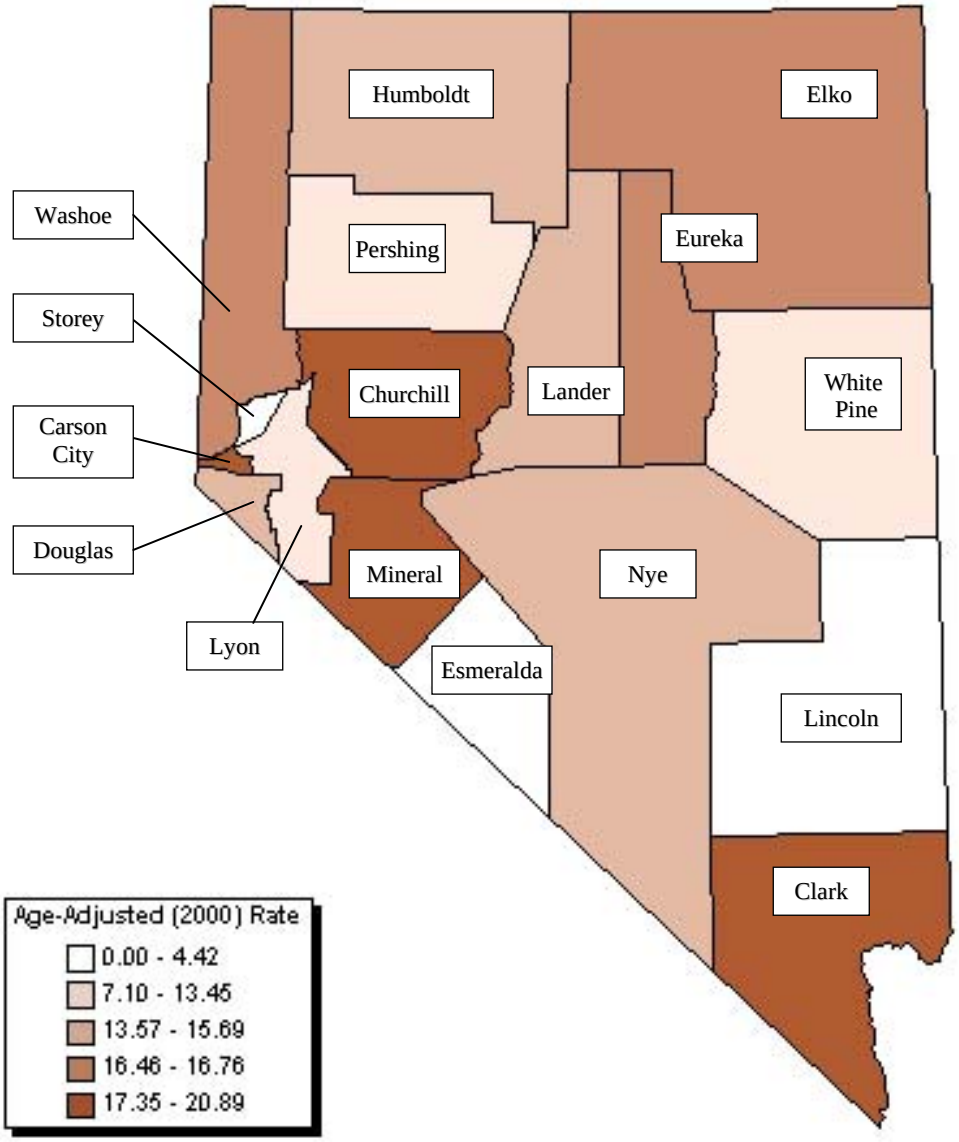
SURVIVAL RATE

- Females in Nevada had a slightly higher one-year survival rate (76.7%) than males (75.8%) for Non-Hodgkin's Lymphoma during the 1999 to 2003 period. However, this difference reversed by the five-year survival period where females had a survival rate of 57.3% and males had a rate of 59.1%.

- The Non-Hodgkin's Lymphoma survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 85.6% and 71.2%, respectively. This was followed by those with regional and then distant diagnoses with rates of 80.0% and 70.0% for the one year period and 66.6% and 51.6% for the five year period.

INCIDENCE

Figure 102. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 103. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

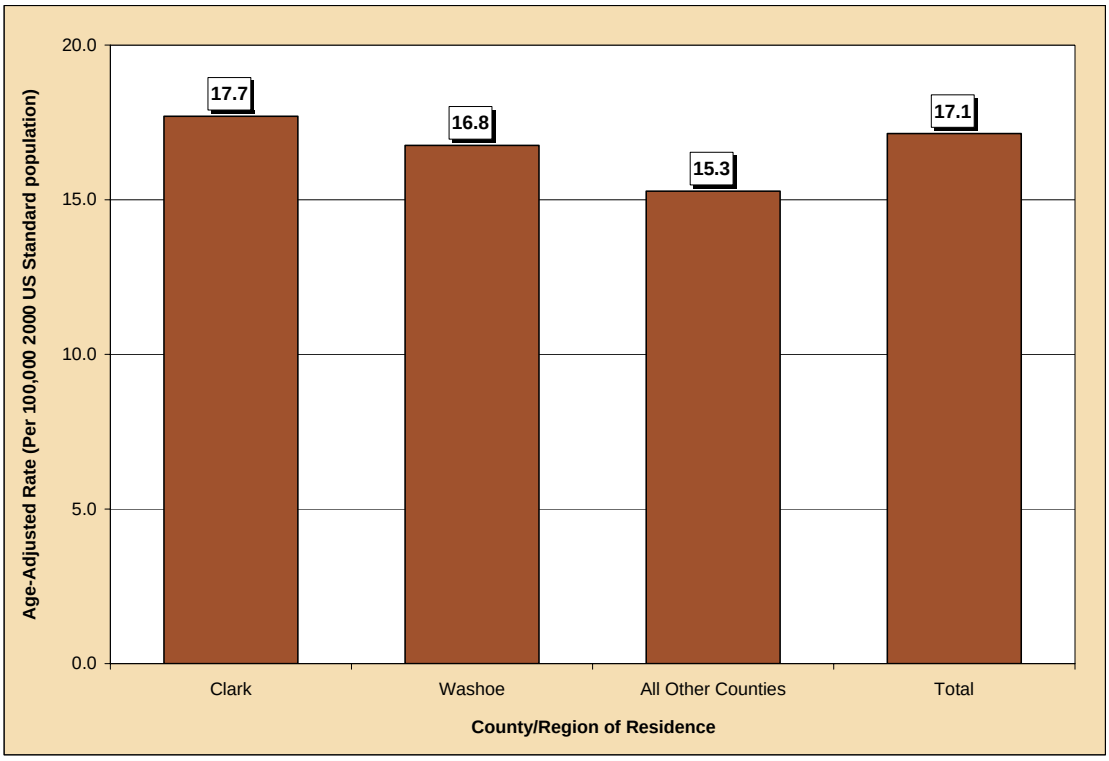


Figure 104. Non-Hodgkin's Lymphoma Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

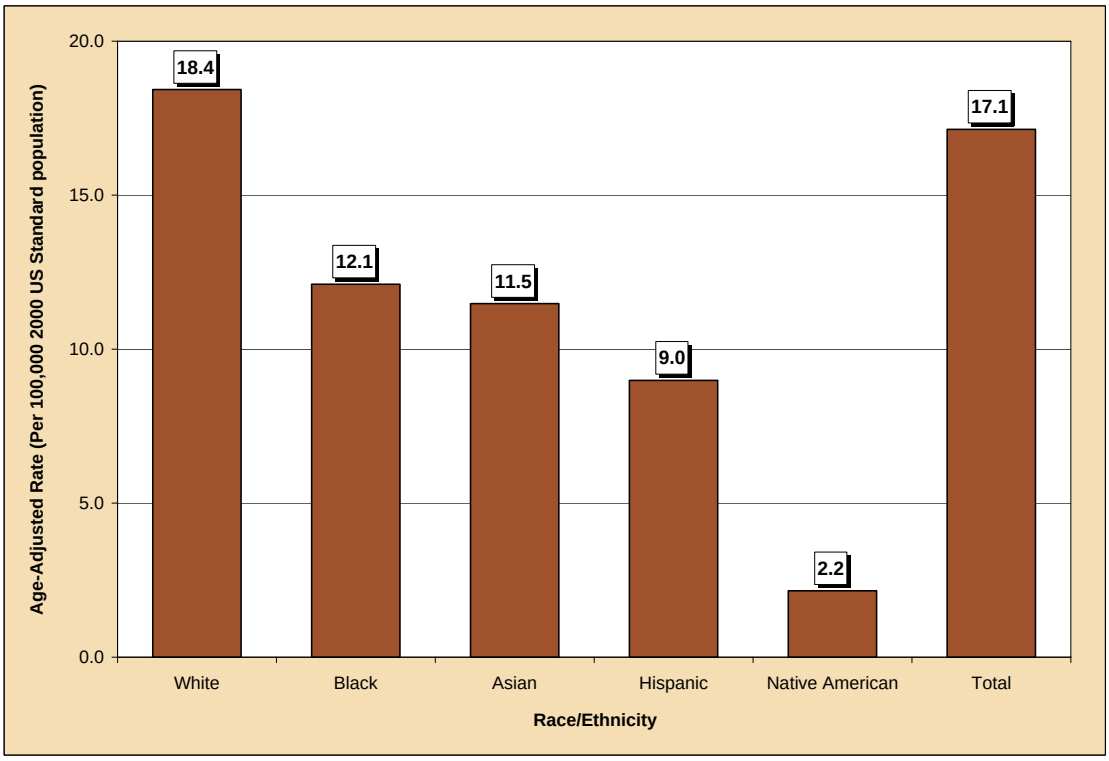


Table 150. Non-Hodgkin's Lymphoma Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,679	1,174	271	234	0	34,190
Rate*	17.1	17.7	16.8	15.3	---	19.2
95% C.I.	(16.3-18.0)	(16.7-18.8)	(14.8-18.9)	(13.4-17.4)	---	(19.0-19.4)
Age Group						
<1	1	1	0	0	0	4
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.4)
1-4	2	1	1	0	0	64
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.7)
5-14	13	8	3	2	0	309
Rate*	0.9	---	---	---	---	1.1
95% C.I.	(0.40-1.34)	---	---	---	---	(1.0-1.2)
15-24	25	20	4	1	0	534
Rate*	1.7	1.9	---	---	---	2.0
95% C.I.	(1.02-2.34)	(1.08-2.78)	---	---	---	(1.8-2.2)
25-34	63	42	11	10	0	1,311
Rate*	4.0	3.7	4.3	6.4	---	4.4
95% C.I.	(3.04-5.03)	(2.55-4.77)	(1.76-6.85)	(2.42-10.30)	---	(4.2-4.6)
35-44	122	84	24	14	0	2,946
Rate*	7.4	7.3	8.5	6.3	---	9.3
95% C.I.	(6.06-8.68)	(5.74-8.87)	(5.07-11.84)	(3.01-9.63)	---	(9.0-9.7)
45-54	214	151	36	27	0	4,780
Rate*	15.1	15.9	14.2	12.5	---	18.5
95% C.I.	(13.04-17.08)	(13.33-18.39)	(9.58-18.87)	(7.79-17.24)	---	(18.0-19.0)
55-64	354	241	68	45	0	5,884
Rate*	34.4	34.2	41.4	28.3	---	37.3
95% C.I.	(30.83-38.00)	(29.85-38.48)	(31.54-51.20)	(20.06-36.62)	---	(36.3-38.3)
65-74	417	296	59	62	0	7,788
Rate*	60.6	62.8	56.5	55.3	---	70.3
95% C.I.	(54.81-66.44)	(55.66-69.97)	(42.08-70.91)	(41.51-69.03)	---	(68.8-71.9)
75-84	370	261	48	61	0	7,871
Rate*	94.3	98.3	78.1	93.3	---	103.0
95% C.I.	(84.72-103.94)	(86.41-110.28)	(55.98-100.15)	(69.91-116.75)	---	(100.7-105.3)
85+	98	69	17	12	0	2,699
Rate*	111.4	124.1	102.3	76.2	---	100.8
95% C.I.	(89.33-133.44)	(94.78-153.33)	(53.68-150.96)	(33.09-119.32)	---	(97.0-104.6)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 151. Non-Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,679	1,174	271	234	0	34,190
Rate*	17.1	17.7	16.8	15.3	---	19.2
95% C.I.	(16.3-18.0)	(16.7-18.8)	(14.8-18.9)	(13.4-17.4)	---	(19.0-19.4)
Age Group						
<1	1	1	0	0	0	4
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.4)
1-4	2	1	1	0	0	64
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.7)
5-14	13	8	3	2	0	309
Rate*	0.9	---	---	---	---	1.1
95% C.I.	(0.40-1.34)	---	---	---	---	(1.0-1.2)
15-24	25	20	4	1	0	534
Rate*	1.7	1.9	---	---	---	2.0
95% C.I.	(1.02-2.34)	(1.08-2.78)	---	---	---	(1.8-2.2)
25-34	63	42	11	10	0	1,311
Rate*	4.0	3.7	4.3	6.4	---	4.4
95% C.I.	(3.04-5.03)	(2.55-4.77)	(1.76-6.85)	(2.42-10.30)	---	(4.2-4.6)
35-44	122	84	24	14	0	2,946
Rate*	7.4	7.3	8.5	6.3	---	9.3
95% C.I.	(6.06-8.68)	(5.74-8.87)	(5.07-11.84)	(3.01-9.63)	---	(9.0-9.7)
45-54	214	151	36	27	0	4,780
Rate*	15.1	15.9	14.2	12.5	---	18.5
95% C.I.	(13.04-17.08)	(13.33-18.39)	(9.58-18.87)	(7.79-17.24)	---	(18.0-19.0)
55-64	354	241	68	45	0	5,884
Rate*	34.4	34.2	41.4	28.3	---	37.3
95% C.I.	(30.83-38.00)	(29.85-38.48)	(31.54-51.20)	(20.06-36.62)	---	(36.3-38.3)
65-74	417	296	59	62	0	7,788
Rate*	60.6	62.8	56.5	55.3	---	70.3
95% C.I.	(54.81-66.44)	(55.66-69.97)	(42.08-70.91)	(41.51-69.03)	---	(68.8-71.9)
75-84	370	261	48	61	0	7,871
Rate*	94.3	98.3	78.1	93.3	---	103.0
95% C.I.	(84.72-103.94)	(86.41-110.28)	(55.98-100.15)	(69.91-116.75)	---	(100.7-105.3)
85+	98	69	17	12	0	2,699
Rate*	111.4	124.1	102.3	76.2	---	100.8
95% C.I.	(89.33-133.44)	(94.78-153.33)	(53.68-150.96)	(33.09-119.32)	---	(97.0-104.6)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 152. Non-Hodgkin's Lymphoma Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	59	23.3	(17.37-29.27)	20.9	(15.9-27.2)
Churchill	24	19.5	(11.72-27.34)	20.0	(12.8-30.4)
Clark	1,174	16.0	(15.10-16.94)	17.7	(16.7-18.8)
Douglas	43	20.1	(14.07-26.06)	15.7	(11.3-21.7)
Elko	20	8.8	(4.94-12.64)	16.5	(9.5-27.2)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	8	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	29	15.6	(9.95-21.34)	13.5	(9.0-19.5)
Mineral	6	---	---	---	---
Nye	32	18.9	(12.34-25.42)	14.3	(9.5-21.3)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	271	15.5	(13.66-17.36)	16.8	(14.8-18.9)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	1,679	16.0	(15.23-16.76)	17.1	(16.3-18.0)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 153. Non-Hodgkin's Lymphoma Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	812	625	0	1,437
	Rate*	22.0	15.4	---	18.4
	95% C.I.	(20.4-23.6)	(14.2-16.7)	---	(17.5-19.4)
Black	Incidence	39	25	0	64
	Rate*	14.0	9.7	---	12.1
	95% C.I.	(9.8-19.8)	(6.2-15.0)	---	(9.2-16.1)
Native American	Incidence	1	1	0	2
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	26	24	0	50
	Rate*	13.4	10.0	---	11.5
	95% C.I.	(7.7-24.7)	(5.8-17.8)	---	(7.9-17.1)
Hispanic	Incidence	51	34	0	85
	Rate*	11.6	6.8	---	9.0
	95% C.I.	(8.0-16.6)	(4.4-10.2)	---	(6.8-11.7)
Other/Unknown		31	10	0	41
Total	Incidence	960	719	0	1,679
	Rate*	20.7	14.1	---	17.1
	95% C.I.	(19.3-22.2)	(13.1-15.2)	---	(16.3-18.0)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 154. Non-Hodgkin's Lymphoma Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	11	2	0	13
Rate*	1.43	---	---	0.87
95% C.I.	(0.59-2.28)	---	---	(0.40-1.34)
15-24	14	11	0	25
Rate*	1.82	1.54	---	1.68
95% C.I.	(0.86-2.77)	(0.63-2.45)	---	(1.02-2.34)
25-34	40	23	0	63
Rate*	4.92	3.08	---	4.04
95% C.I.	(3.40-6.44)	(1.82-4.33)	---	(3.04-5.03)
35-44	77	45	0	122
Rate*	8.97	5.65	---	7.37
95% C.I.	(6.97-10.97)	(4.00-7.30)	---	(6.06-8.68)
45-54	127	87	0	214
Rate*	17.64	12.41	---	15.06
95% C.I.	(14.57-20.70)	(9.80-15.02)	---	(13.04-17.08)
55-64	222	132	0	354
Rate*	43.70	25.36	---	34.42
95% C.I.	(37.95-49.45)	(21.04-29.69)	---	(30.83-38.00)
65-74	231	186	0	417
Rate*	68.07	53.37	---	60.62
95% C.I.	(59.29-76.85)	(45.70-61.05)	---	(54.81-66.44)
75-84	186	184	0	370
Rate*	104.93	85.59	---	94.33
95% C.I.	(89.85-120.01)	(73.22-97.96)	---	(84.72-103.94)
85+	50	48	0	98
Rate*	171.91	81.50	---	111.39
95% C.I.	(124.26-219.57)	(58.44-104.55)	---	(89.33-133.44)
Unknown	0	0	0	0
Total	960	719	0	1,679
Rate*	18.00	13.93	---	15.99
95% C.I.	(16.86-19.13)	(12.91-14.94)	---	(15.23-16.76)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 155. Non-Hodgkin's Lymphoma Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
1-4	Number	---	0	0	1	1	2
	Percent	---	---	---	50.0%	50.0%	100.0%
5-14	Number	---	3	2	4	4	13
	Percent	---	23.1%	15.4%	30.8%	30.8%	100.0%
15-24	Number	---	9	2	10	4	25
	Percent	---	36.0%	8.0%	40.0%	16.0%	100.0%
25-34	Number	---	18	10	16	19	63
	Percent	---	28.6%	15.9%	25.4%	30.2%	100.0%
35-44	Number	---	39	6	44	33	122
	Percent	---	32.0%	4.9%	36.1%	27.0%	100.0%
45-54	Number	---	60	18	76	60	214
	Percent	---	28.0%	8.4%	35.5%	28.0%	100.0%
55-64	Number	---	92	36	127	99	354
	Percent	---	26.0%	10.2%	35.9%	28.0%	100.0%
65-74	Number	---	107	28	141	141	417
	Percent	---	25.7%	6.7%	33.8%	33.8%	100.0%
75-84	Number	---	77	33	128	132	370
	Percent	---	20.8%	8.9%	34.6%	35.7%	100.0%
85+	Number	---	20	6	29	43	98
	Percent	---	20.4%	6.1%	29.6%	43.9%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	425	141	576	537	1,679
	Percent	---	25.3%	8.4%	34.3%	32.0%	100.0%

Table 156. Non-Hodgkin's Lymphoma Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	357	25	1	12	21	9	425
	Percent	24.8%	39.1%	50.0%	24.0%	24.7%	22.0%	25.3%
Regional	Number	125	4	0	3	7	2	141
	Percent	8.7%	6.3%	---	6.0%	8.2%	4.9%	8.4%
Distant	Number	488	23	1	19	32	13	576
	Percent	34.0%	35.9%	50.0%	38.0%	37.6%	31.7%	34.3%
Unstaged	Number	467	12	0	16	25	17	537
	Percent	32.5%	18.8%	---	32.0%	29.4%	41.5%	32.0%
Total	Number	1,437	64	2	50	85	41	1,679
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

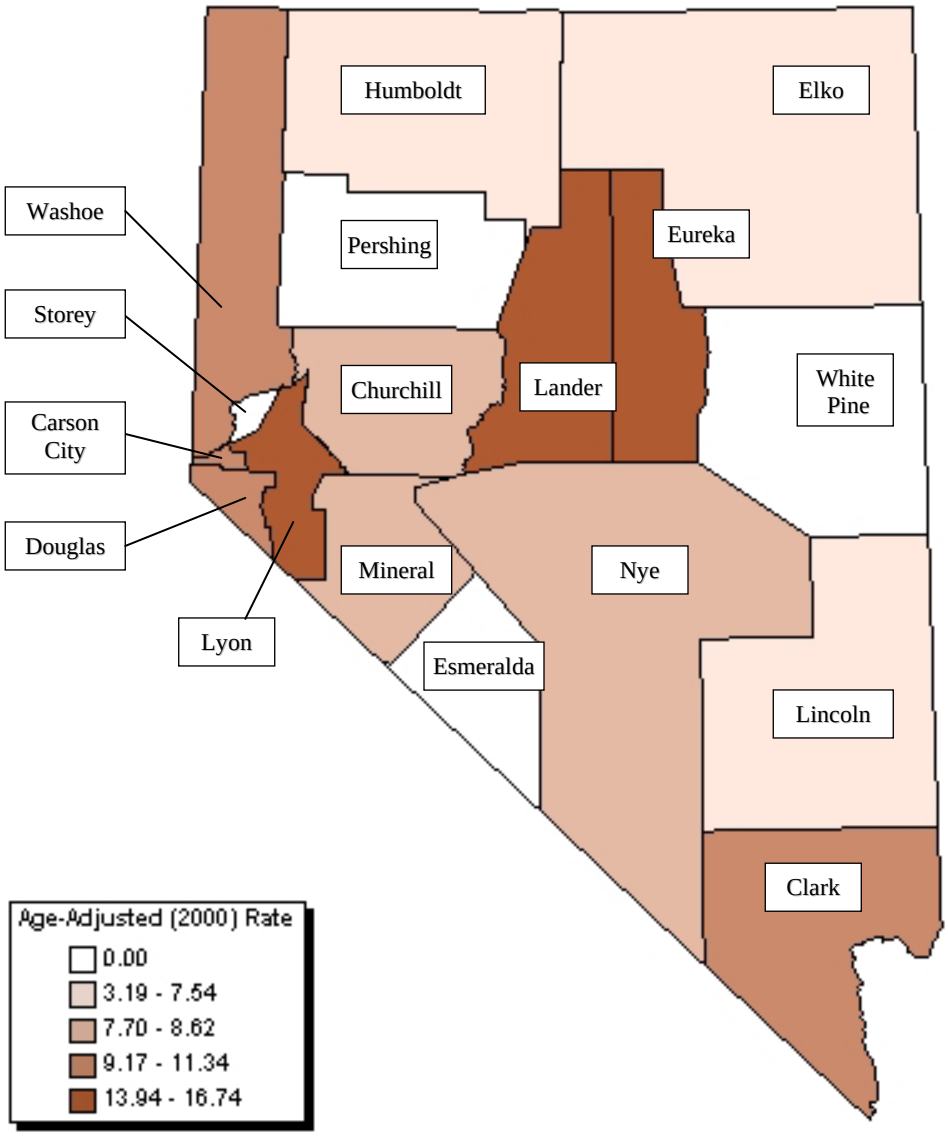
Table 157. Median Age at Diagnosis of Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	812	65.0	625	69.0	1,437	66.0
Black	39	54.0	25	58.0	64	56.5
Native American	1	---	1	---	2	---
Asian	26	61.0	24	63.0	50	62.0
Hispanic	51	54.0	34	54.5	85	54.0
Other/Unknown	31	62.0	10	62.0	41	62.0
Total	960	64.0	719	68.0	1,679	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 105. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 106. Non-Hodgkin's Lymphoma Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

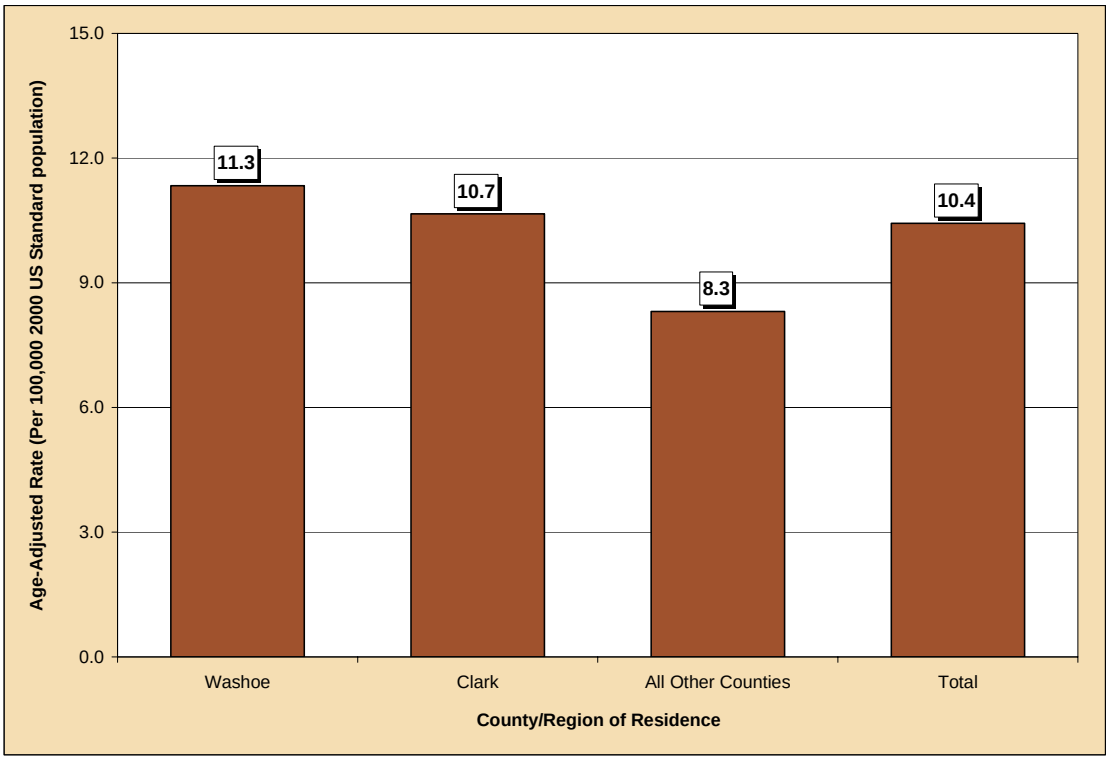


Figure 107. Median Charges for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003

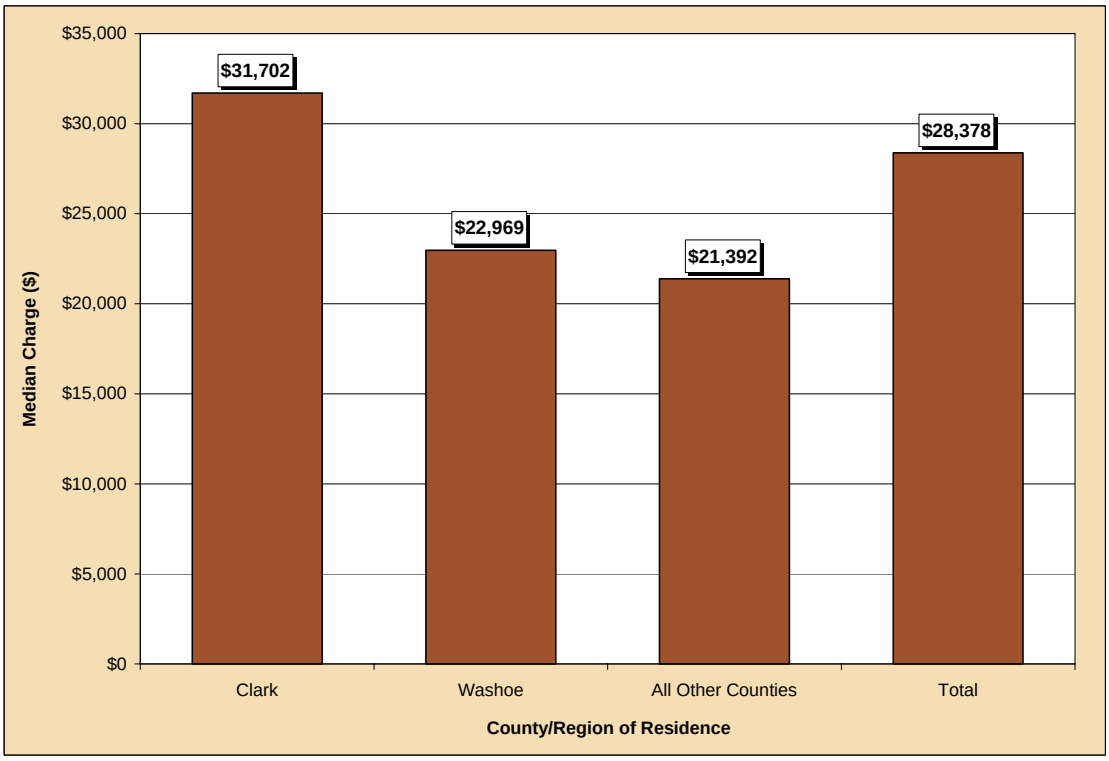


Figure 108. Average Length of Stay for Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003

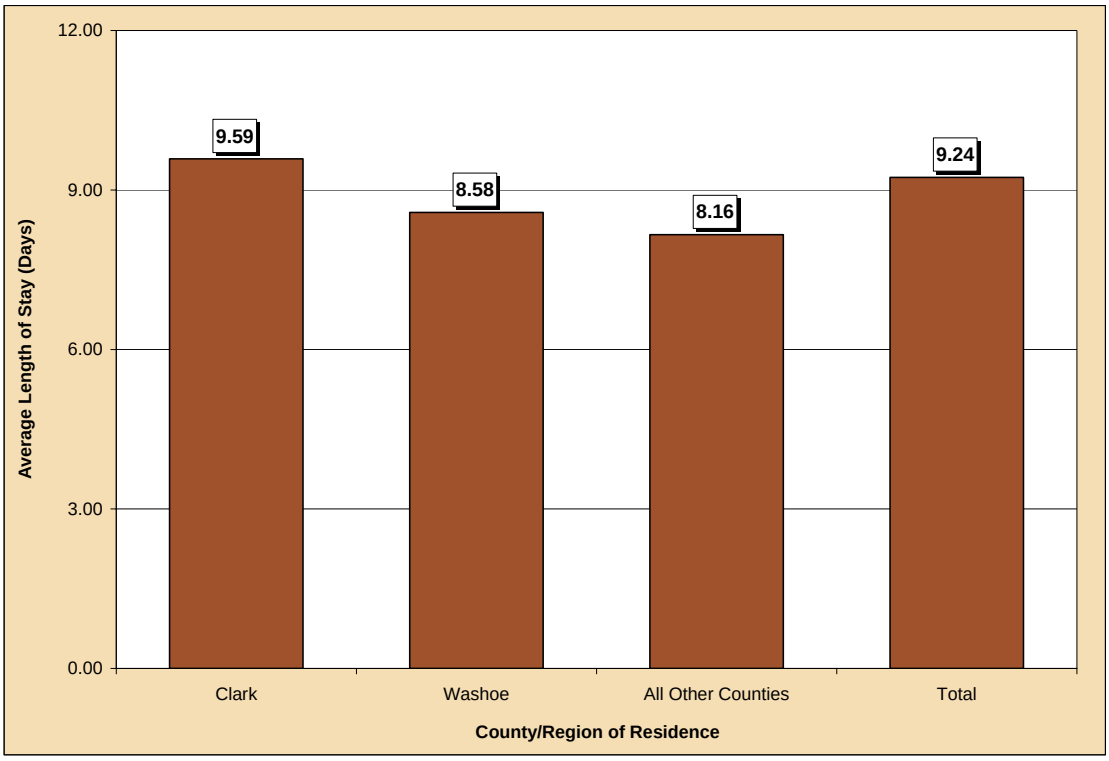


Table 158. Non-Hodgkin's Lymphoma Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,029	724	180	125	0
Rate*	10.4	10.7	11.3	8.3	---
95% C.I.	(9.8-11.1)	(9.9-11.5)	(9.7-13.2)	(6.9-10.0)	---
Gender					
Male	555	418	81	56	0
Rate*	11.7	12.8	10.8	7.7	---
95% C.I.	(10.7-12.8)	(11.6-14.3)	(8.5-13.8)	(5.7-10.2)	---
Female	474	306	99	69	0
Rate*	9.3	8.8	11.8	8.9	---
95% C.I.	(8.5-10.2)	(7.8-9.8)	(9.6-14.4)	(6.9-11.3)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$50,718,945	$38,557,530	$7,467,997	$4,693,418	---
Average Charges	$49,290	$53,256	$41,489	$37,547	---
Median Charges	$28,378	$31,702	$22,969	$21,392	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	9,505	6,941	1,544	1,020	---
Average LOS	9.2	9.6	8.6	8.2	---
Median LOS	6.0	7.0	6.0	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 159. Non-Hodgkin's Lymphoma Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	1,029	724	180	125
Rate*	9.8	9.9	10.3	8.8
95% C.I.	(9.20-10.40)	(9.16-10.60)	(8.80-11.81)	(7.25-10.33)
Age Group				
<1	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	19	17	1	1
Rate*	1.3	1.6	---	---
95% C.I.	(0.70-1.84)	(0.86-2.41)	---	---
15-24	29	25	3	1
Rate*	2.0	2.4	---	---
95% C.I.	(1.24-2.66)	(1.47-3.36)	---	---
25-34	51	42	4	5
Rate*	3.3	3.7	---	---
95% C.I.	(2.37-4.16)	(2.55-4.77)	---	---
35-44	70	54	10	6
Rate*	4.2	4.7	3.5	---
95% C.I.	(3.24-5.22)	(3.44-5.95)	(1.34-5.71)	---
45-54	145	109	25	11
Rate*	10.2	11.5	9.9	5.1
95% C.I.	(8.54-11.86)	(9.30-13.60)	(6.01-13.75)	(2.09-8.11)
55-64	193	131	41	21
Rate*	18.8	18.6	24.9	13.2
95% C.I.	(16.12-21.41)	(15.39-21.75)	(17.31-32.58)	(7.57-18.88)
65-74	257	174	46	37
Rate*	37.4	36.9	44.1	33.0
95% C.I.	(32.80-41.93)	(31.44-42.41)	(31.32-56.77)	(22.36-43.61)
75-84	210	141	37	32
Rate*	53.5	53.1	60.2	49.0
95% C.I.	(46.30-60.78)	(44.36-61.90)	(40.78-79.56)	(32.00-65.92)
85+	53	29	13	11
Rate*	60.2	52.1	78.3	69.9
95% C.I.	(44.02-76.46)	(33.16-71.12)	(35.71-120.78)	(28.57-111.13)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 160. Non-Hodgkin's Lymphoma Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
1-4	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
5-14	13	6	19
Rate*	1.69	---	1.27
95% C.I.	(0.77-2.61)	---	(0.70-1.84)
15-24	17	12	29
Rate*	2.21	1.68	1.95
95% C.I.	(1.16-3.25)	(0.73-2.63)	(1.24-2.66)
25-34	29	22	51
Rate*	3.57	2.94	3.27
95% C.I.	(2.27-4.87)	(1.71-4.17)	(2.37-4.16)
35-44	53	17	70
Rate*	6.17	2.13	4.23
95% C.I.	(4.51-7.84)	(1.12-3.15)	(3.24-5.22)
45-54	76	69	145
Rate*	10.55	9.84	10.20
95% C.I.	(8.18-12.93)	(7.52-12.17)	(8.54-11.86)
55-64	119	74	193
Rate*	23.42	14.22	18.77
95% C.I.	(19.22-27.63)	(10.98-17.46)	(16.12-21.41)
65-74	132	125	257
Rate*	38.90	35.87	37.36
95% C.I.	(32.26-45.53)	(29.58-42.16)	(32.80-41.93)
75-84	90	120	210
Rate*	50.77	55.82	53.54
95% C.I.	(40.28-61.26)	(45.83-65.81)	(46.30-60.78)
85+	25	28	53
Rate*	85.96	47.54	60.24
95% C.I.	(52.26-119.65)	(29.93-65.15)	(44.02-76.46)
Unknown	0	0	0
Total	555	474	1,029
Rate*	10.40	9.18	9.80
95% C.I.	(9.54-11.27)	(8.35-10.01)	(9.20-10.40)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 161. Non-Hodgkin's Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	28	11.1	(6.97-15.16)	9.6	(6.4-14.2)
Churchill	10	8.1	(3.09-13.18)	8.4	(4.0-16.1)
Clark	724	9.9	(9.16-10.60)	10.7	(9.9-11.5)
Douglas	24	11.2	(6.72-15.68)	9.2	(5.7-14.4)
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	3	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	31	16.7	(10.84-22.61)	15.2	(10.3-21.9)
Mineral	3	---	---	---	---
Nye	19	11.2	(6.17-16.25)	8.6	(5.0-14.6)
Pershing	0	---	---	---	---
Storey	0	---	---	---	---
Washoe	180	10.3	(8.80-11.81)	11.3	(9.7-13.2)
White Pine	0	---	---	---	---
Unknown	0	---	---	---	---
Total	1,029	9.8	(9.20-10.40)	10.4	(9.8-11.1)

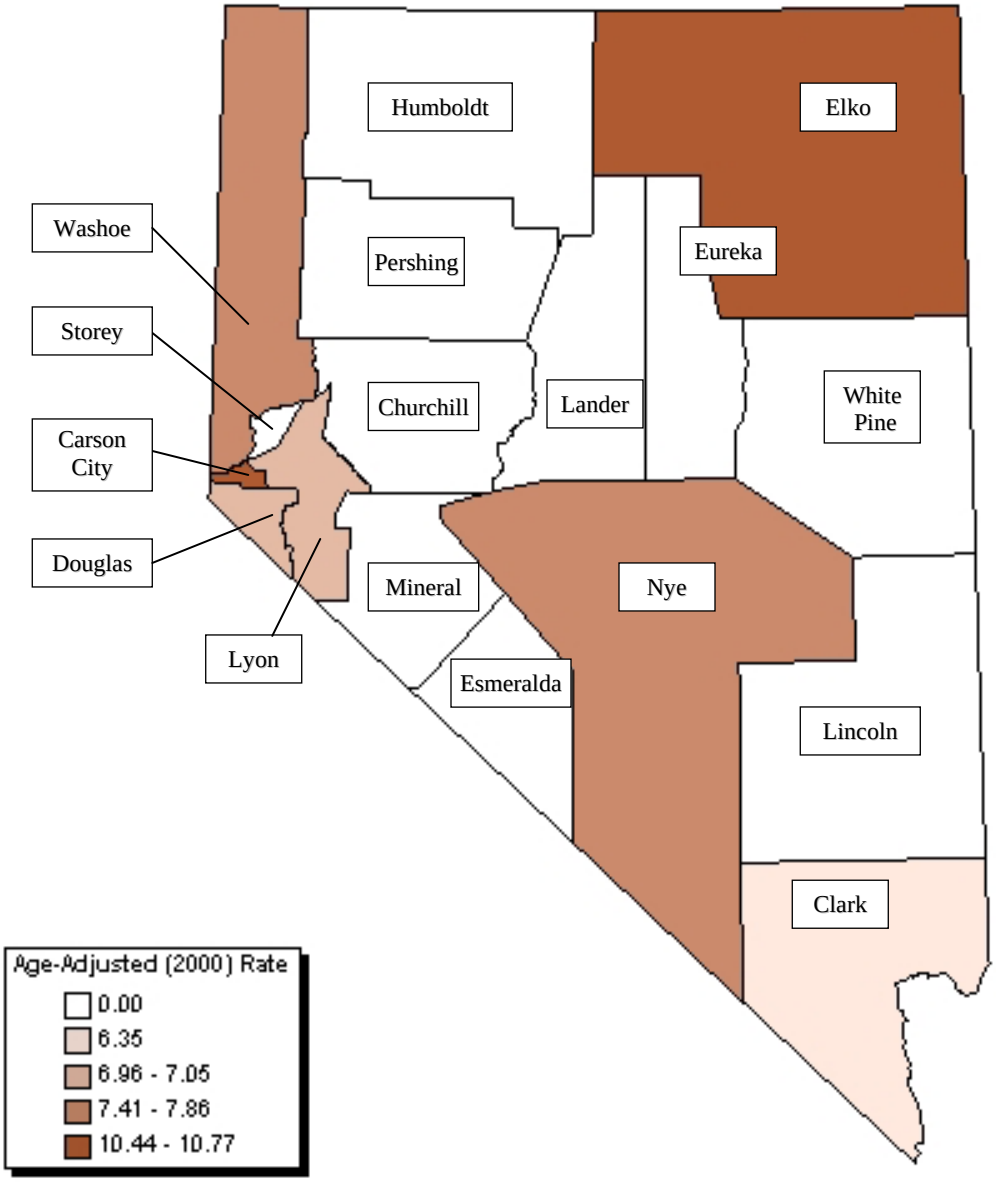
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 162. Non-Hodgkin's Lymphoma Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	1	---	---	---	---	---	---
1-4	1	---	---	---	---	---	---
5-14	19	1,071,385	56,389	37,868	154	8.1	7.0
15-24	29	2,703,786	93,234	39,057	392	13.5	9.0
25-34	51	2,359,182	46,258	32,847	579	11.4	7.0
35-44	70	4,098,081	58,544	32,090	671	9.6	6.0
45-54	145	7,157,757	49,364	28,779	1,307	9.0	6.0
55-64	193	9,033,750	46,807	26,952	1,777	9.2	6.0
65-74	257	13,119,442	51,048	29,324	2,363	9.2	7.0
75-84	210	9,094,216	43,306	26,108	1,775	8.5	7.0
85+	53	2,007,026	37,868	28,125	474	8.9	7.0
Unknown	0	---	---	---	---	---	---
Total	1,029	50,718,945	49,290	28,378	9,505	9.2	6.0

MORTALITY

Figure 109. Non-Hodgkin's Lymphoma Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 110. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

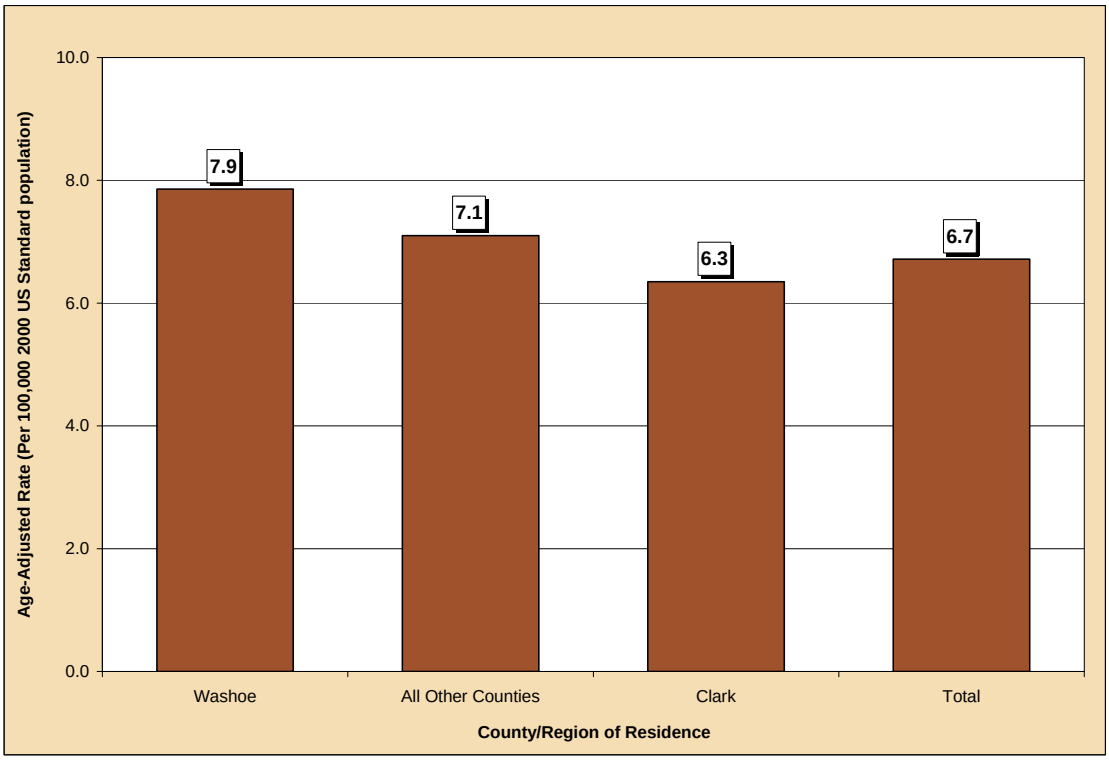


Figure 111. Non-Hodgkin's Lymphoma Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

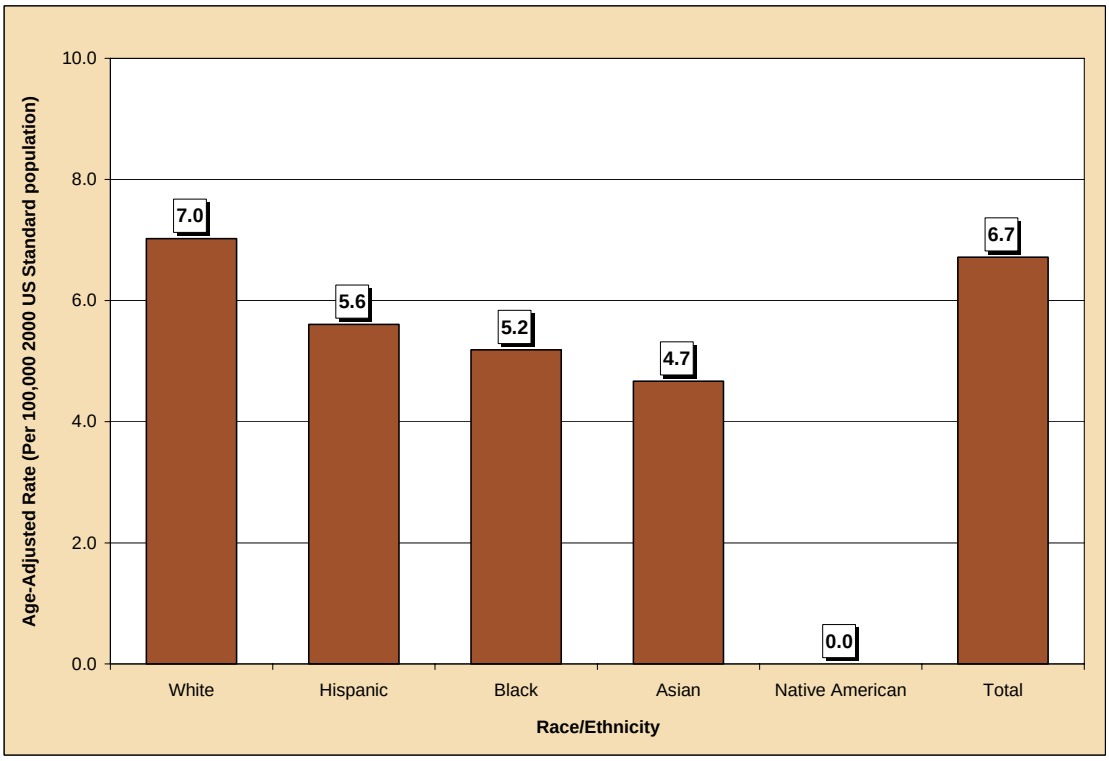


Table 163. Non-Hodgkin's Lymphoma Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	617	396	117	104
Rate*	6.7	6.3	7.9	7.1
95% C.I.	(6.2-7.3)	(5.7-7.0)	(6.5-9.5)	(5.8-8.7)
Gender				
Male	344	344	344	344
Rate*	8.4	8.4	9.5	7.7
95% C.I.	(7.4-9.4)	(7.2-9.7)	(7.1-12.6)	(5.7-10.3)
Female	273	273	273	273
Rate*	5.5	5.0	6.8	6.4
95% C.I.	(4.9-6.2)	(4.2-5.8)	(5.1-8.8)	(4.7-8.4)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	535	331	108	96
Rate*	7.0	6.7	8.2	7.2
95% C.I.	(6.4-7.7)	(6.0-7.5)	(6.7-10.0)	(5.8-8.8)
Black	23	20	2	1
Rate*	5.2	4.9	---	---
95% C.I.	(3.2-8.4)	(2.8-8.2)	---	---
Native American	4	0	1	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	21	19	2	0
Rate*	4.7	5.0	---	---
95% C.I.	(2.8-7.4)	(2.9-8.2)	---	---
Hispanic	34	26	4	4
Rate*	5.6	6.0	---	---
95% C.I.	(3.6-8.7)	(3.5-10.0)	---	---
Other/Unknown	0	0	0	0

Note: The "---" is used for rates calculated on numbers less than ten.
*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 164. Non-Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	617	396	117	104
Rate*	6.7	6.3	7.9	7.1
95% C.I.	(6.2-7.3)	(5.7-7.0)	(6.5-9.5)	(5.8-8.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	6	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	23	14	5	4
Rate*	1.4	1.2	---	---
95% C.I.	(0.82-1.96)	(0.58-1.86)	---	---
45-54	41	27	6	8
Rate*	2.9	2.8	---	---
95% C.I.	(2.00-3.77)	(1.77-3.91)	---	---
55-64	102	69	22	11
Rate*	9.9	9.8	13.4	6.9
95% C.I.	(7.99-11.84)	(7.47-12.09)	(7.79-18.98)	(2.83-11.02)
65-74	177	111	36	30
Rate*	25.7	23.6	34.5	26.8
95% C.I.	(21.94-29.52)	(19.17-27.94)	(23.21-45.73)	(17.17-36.32)
75-84	192	123	33	36
Rate*	49.0	46.4	53.7	55.1
95% C.I.	(42.03-55.87)	(38.16-54.54)	(35.36-71.98)	(37.09-73.07)
85+	70	41	15	14
Rate*	79.6	73.7	90.3	88.9
95% C.I.	(60.92-98.20)	(51.15-96.28)	(44.59-135.98)	(42.33-135.47)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 165. Non-Hodgkin's Lymphoma Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	31	12.3	(7.94-16.56)	10.8	(7.3-15.5)
Churchill	3	---	---	---	---
Clark	396	5.4	(4.87-5.94)	6.3	(5.7-7.0)
Douglas	17	7.9	(4.16-11.70)	7.0	(4.0-12.0)
Elko	11	4.8	(1.98-7.69)	10.4	(4.9-20.1)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	1	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	14	7.6	(3.60-11.51)	7.0	(3.8-12.0)
Mineral	3	---	---	---	---
Nye	16	9.4	(4.81-14.07)	7.4	(4.0-13.2)
Pershing	0	---	---	---	---
Storey	0	---	---	---	---
Washoe	117	6.7	(5.48-7.91)	7.9	(6.5-9.5)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	617	5.9	(5.41-6.34)	6.7	(6.2-7.3)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 166. Non-Hodgkin's Lymphoma Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	304	231	0	535
	Rate*	8.9	5.6	---	7.0
	95% C.I.	(7.8-10.1)	(4.9-6.4)	---	(6.4-7.7)
Black	Incidence	11	12	0	23
	Rate*	4.9	5.1	---	5.2
	95% C.I.	(2.3-9.2)	(2.5-9.5)	---	(3.2-8.4)
Native American	Incidence	2	2	0	4
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	9	12	0	21
	Rate*	---	4.9	---	4.7
	95% C.I.	---	(2.4-9.1)	---	(2.8-7.4)
Hispanic	Incidence	18	16	0	34
	Rate*	7.1	4.8	---	5.6
	95% C.I.	(3.3-14.5)	(2.5-8.7)	---	(3.6-8.7)
Other/Unknown		0	0	0	0
Total	Incidence	344	273	0	617
	Rate*	8.4	5.5	---	6.7
	95% C.I.	(7.4-9.4)	(4.9-6.2)	---	(6.2-7.3)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 167. Non-Hodgkin's Lymphoma Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	3	1	4
Rate*	---	---	---
95% C.I.	---	---	---
25-34	4	3	7
Rate*	---	---	---
95% C.I.	---	---	---
35-44	14	9	23
Rate*	1.63	---	1.39
95% C.I.	(0.78-2.49)	---	(0.82-1.96)
45-54	24	17	41
Rate*	3.33	2.43	2.89
95% C.I.	(2.00-4.67)	(1.27-3.58)	(2.00-3.77)
55-64	65	37	102
Rate*	12.79	7.11	9.92
95% C.I.	(9.68-15.91)	(4.82-9.40)	(7.99-11.84)
65-74	90	87	177
Rate*	26.52	24.97	25.73
95% C.I.	(21.04-32.00)	(19.72-30.21)	(21.94-29.52)
75-84	106	86	192
Rate*	59.80	40.00	48.95
95% C.I.	(48.41-71.18)	(31.55-48.46)	(42.03-55.87)
85+	37	33	70
Rate*	127.22	56.03	79.56
95% C.I.	(86.22-168.21)	(36.91-75.15)	(60.92-98.20)
Unknown	0	0	0
Total	344	273	617
Rate*	6.45	5.29	5.88
95% C.I.	(5.77-7.13)	(4.66-5.91)	(5.41-6.34)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

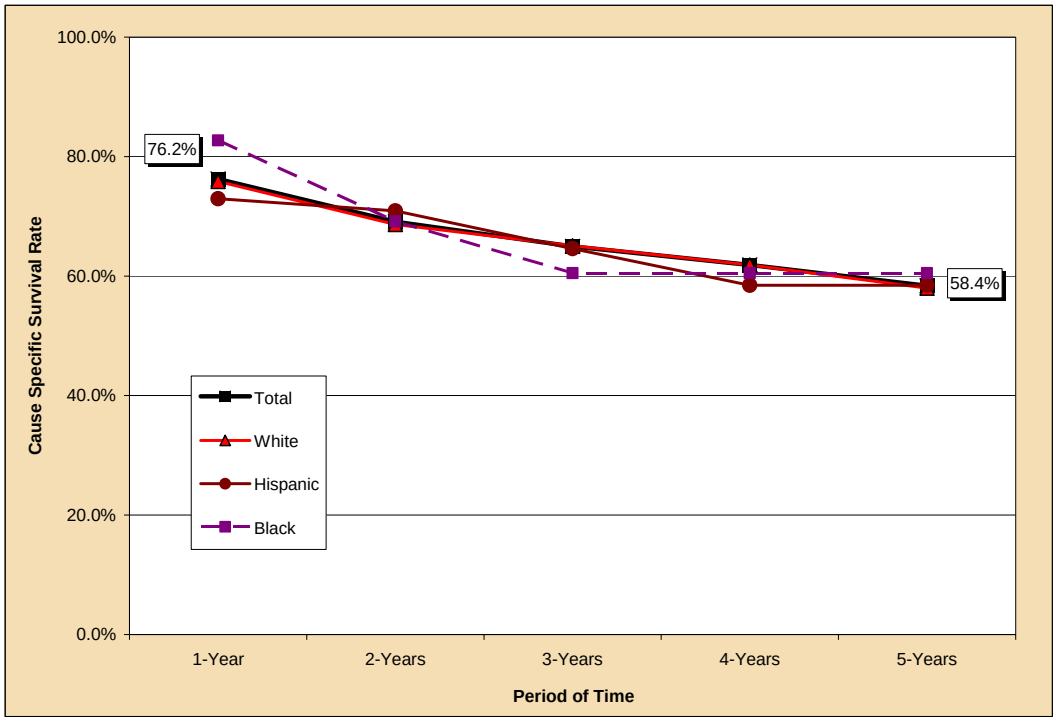
Table 168. Median Age at Death from Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	304	72.0	231	74.0	535	73.0
Black	11	66.0	12	67.0	23	66.0
Native American	2	---	2	---	4	---
Asian	9	63.0	12	73.0	21	70.0
Hispanic	18	63.5	16	70.5	34	67.0
Other/Unknown	0	---	0	---	0	---
Total	344	71.0	273	73.0	617	73.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 112. Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 113. Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

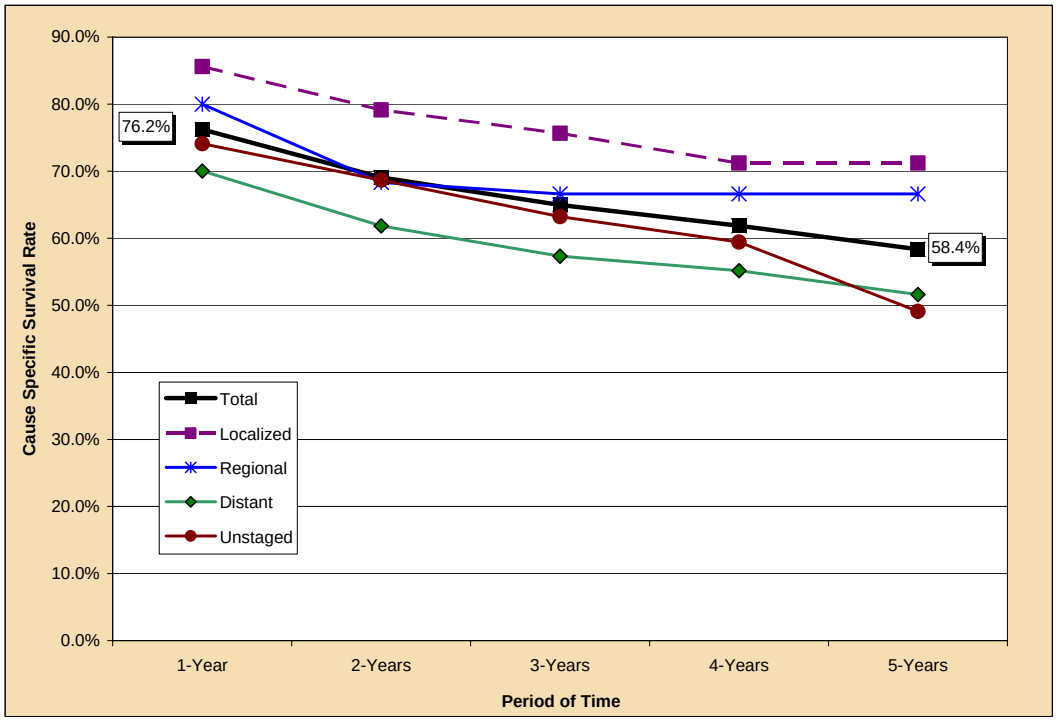


Table 169. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,387	76.2%	69.1%	65.0%	61.9%	58.4%	> 5 YEARS
Male	787	75.8%	68.4%	63.9%	61.1%	59.1%	> 5 YEARS
Female	600	76.7%	70.0%	66.3%	62.8%	57.3%	> 5 YEARS
Race/Ethnicity							
White	1,180	75.8%	68.6%	65.1%	61.9%	58.0%	> 5 YEARS
Male	659	74.5%	66.9%	63.1%	60.5%	58.2%	> 5 YEARS
Female	521	77.4%	70.8%	67.4%	63.5%	57.6%	> 5 YEARS
Black	57	82.7%	69.1%	60.5%	60.5%	60.5%	> 5 YEARS
Male	34	---	---	---	---	---	.
Female	23	---	---	---	---	---	.
Native American	1	---	---	---	---	---	.
Male	0	---	---	---	---	---	---
Female	1	---	---	---	---	---	.
Asian	42	---	---	---	---	---	.
Male	23	---	---	---	---	---	.
Female	19	---	---	---	---	---	.
Hispanic	72	72.9%	70.9%	64.6%	58.5%	58.5%	> 5 YEARS
Male	44	---	---	---	---	---	.
Female	28	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 170. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,387	787	600
	One Year	76.2%	75.8%	76.7%
	5 Years	58.4%	59.1%	57.3%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	359	202	157
	One Year	85.6%	85.1%	86.2%
	5 Years	71.2%	70.4%	72.1%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	120	71	49
	One Year	80.0%	79.8%	---
	5 Years	66.6%	62.3%	---
	Median Survival	> 5 YEARS	> 5 YEARS	.
Distant	Cases	469	276	193
	One Year	70.0%	68.2%	72.6%
	5 Years	51.6%	50.6%	54.0%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Unstaged	Cases	439	238	201
	One Year	74.1%	75.6%	72.4%
	5 Years	49.1%	57.8%	43.9%
	Median Survival	4.91	> 5 YEARS	4.65

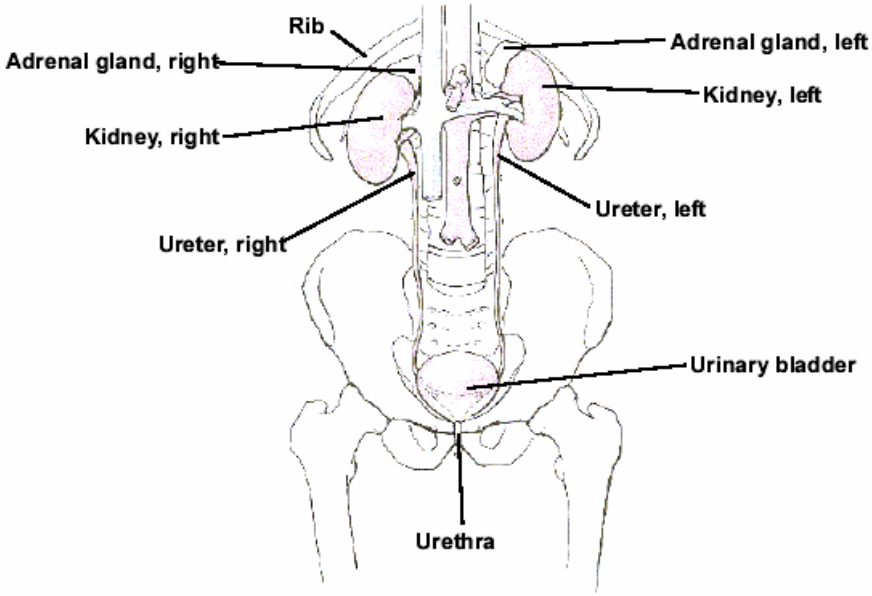
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

KIDNEY AND RENAL PELVIS CANCER

KIDNEY AND RENAL PELVIS CANCER

GENERAL PROFILE[4]

Figure 114. Anatomy of the Urinary System[5]



General Anatomy: The kidneys are two reddish-brown, bean-shaped organs located just above the waist, one on each side of the spine. They are part of the urinary system. Their main function is to filter blood and produce urine to rid the body of waste. As blood flows through the kidneys, they remove waste products and unneeded water. The resulting liquid, urine, collects in the middle of each kidney in an area called the renal pelvis. Urine drains from each kidney through a long tube, the ureter, into the bladder, where it is stored. Urine leaves the body through another tube, called the urethra. The kidneys also produce substances that help control blood pressure and regulate the formation of red blood cells.

Risk Factors: Tobacco use, obesity, occupational exposure, radiation, phenacetin (prolonged heavy use of this painkiller), dialysis, and Von Hippel-Lindau (VHL) disease.

Signs and Symptoms: Blood in the urine, a lump or mass in the kidney area, and other less common symptoms may include: fatigue, loss of appetite, weight loss, recurrent fevers, a pain in the side that doesn't go away, or a general feeling of poor health.

Diagnosing the Cancer: Health exams, intravenous pyelogram (IVP), arteriography, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and ultrasonography.

Treatment: Surgery (Simple or Radical Nephrectomy), arterial embolization, radiation therapy, biological therapy, chemotherapy, and hormone therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 12.1, to the age-adjusted mortality rate, 3.9 (per 100,000 – 2000 US Standard population), for Kidney and Renal Pelvis Cancer was 3.10 during the 1999 to 2003 period, which means that for every 310 Kidney and Renal Pelvis Cancer cases during this period, there were 100 deaths caused by this type of cancer in Nevada.

- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Kidney and Renal Pelvis Cancer were compared. For every female death due to this type of cancer there were 3.52 female cases while there were 2.92 male cases for every male Kidney and Renal Pelvis Cancer death in Nevada from 1999 to 2003.

- The median age at diagnosis of Kidney and Renal Pelvis Cancer for Nevada residents was 64 years of age from 1999 to 2003. For females and males both, the median age was 64 years. The median age at time of death due to Kidney and Renal Pelvis Cancer was 68 years for Nevada overall, 66 years of age for males and 72 years of age for females.

INCIDENCE

- There were 1,227 cases of Kidney and Renal Pelvis Cancer in Nevada from 1999 to 2003. Nevada's Incidence rate for Kidney and Renal Pelvis Cancer (12.1) was only slightly higher than the national rate of 11.6 (per 100,000 – 2000 US Standard population). Regional comparisons showed little variation between Washoe County (13.3), Clark County (12.1) and All Other Counties (10.7) from 1999 to 2003.

- The higher age-adjusted incidence rate for male Kidney and Renal Pelvis Cancer, 16.3 (15.1-17.5), was statistically significant over the female rate of 8.4 (7.6-9.2), per 100,000 – 2000 US Standard population, during the 1999 to 2003 period.

- Blacks had the highest age-adjusted incidence rate, 14.0, for Kidney and Renal Pelvis Cancer of all racial/ethnic groups and were followed by Whites, Hispanics, Asians and Native Americans with rates of 12.6, 10.6, 4.4 and 2.4 (per 100,000 – 2000 US Standard population), respectively, during the 1999 to 2003 period.

- The median age at diagnosis for Asians (57 years) was the lowest of any specific racial/ethnic group and was considerably lower than the statewide median age of 64 years for the 1999 to 2003 period.

INPATIENT HOSPITAL DISCHARGES

- There were 985 hospital inpatient discharges for a primary diagnosis of Kidney and Renal Pelvis Cancer to Nevada residents from 1999 to 2003. Regional comparisons showed little difference between the age-adjusted inpatient discharge rates between Clark

County (9.9), Washoe County (9.2) and All Other Counties 9.0 (per 100,000 – 2000 US Standard population).

- Total billed charges for Kidney and Renal Pelvis Cancer inpatient hospital discharges in Nevada totaled over 34 million dollars from 1999 to 2003. The overall average billed charge per day for a hospital inpatient discharge due to this type of cancer was $5,818 in Nevada from 1999 to 2003.

- Washoe County had the highest median total billed amount ($32,433), while the statewide median billed amount was $25,312 from 1999 to 2003; with Clark County and All Other Counties with median billed amounts of $24,823 and $20,327, respectively.

MORTALITY

- There were 377 resident deaths due to Kidney and Renal Pelvis Cancer from 1999 to 2003. Males had a statistically significant age-adjusted mortality rate, 5.6 (4.9-6.4), more than double the female rate of 2.4 (2.0-2.9), per 100,000 – 2000 US Standard population, during this period.

- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Kidney and Renal Pelvis Cancer of any racial/ethnic group, 4.1, and were followed by Whites and Hispanics with rates of 4.0 and 2.8, (per 100,000 – 2000 US Standard population) respectively, from 1999 to 2003.

- Males had a median age at death from Kidney and Renal Pelvis Cancer six years earlier than females in Nevada from 1999 to 2003 with a median age at death of 66 and 72 years, respectively.

SURVIVAL RATE

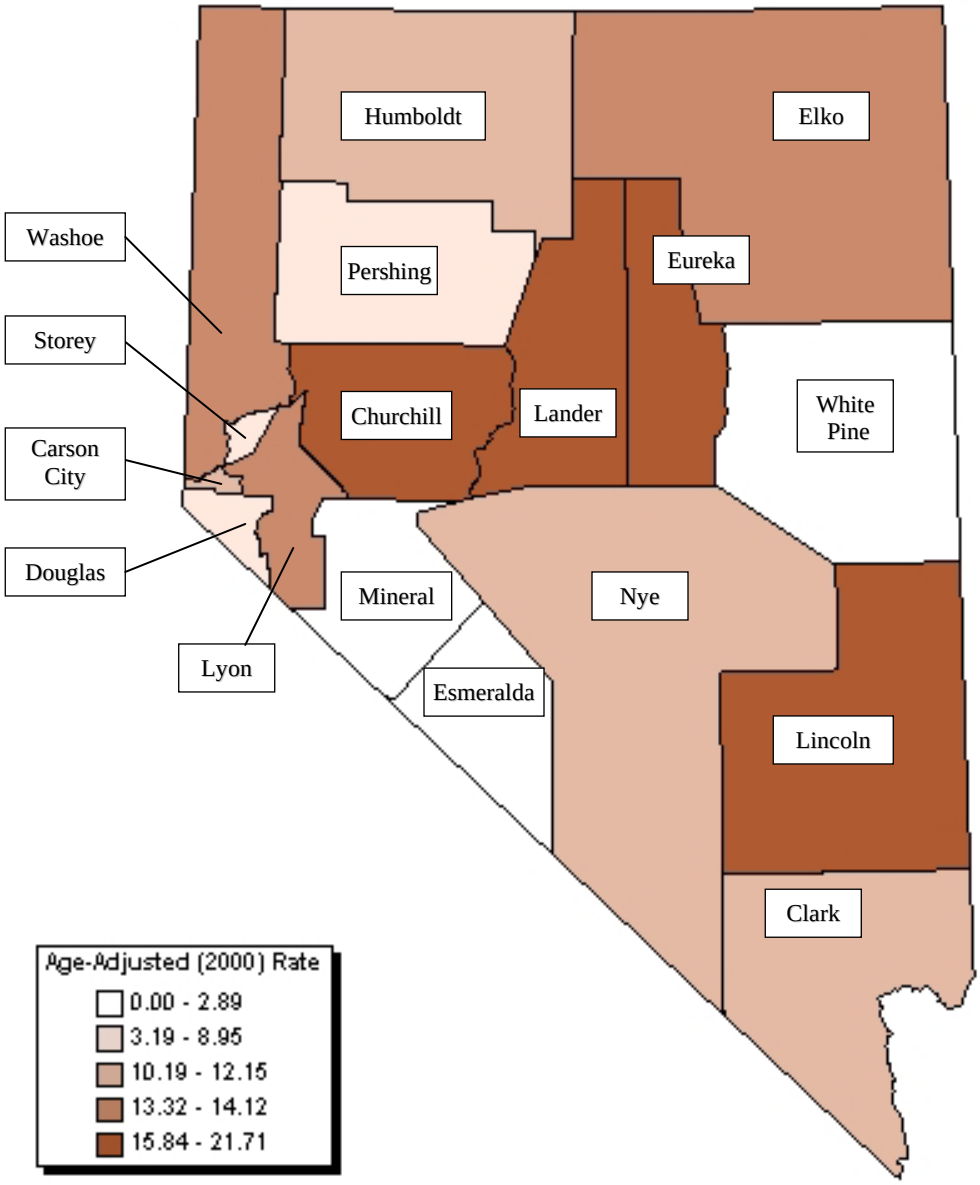
- The one-year survival rate for Kidney and Renal Pelvis Cancer in Nevada was 76.5% during the 1999 to 2003 period, while the five-year survival rate was 62.5% during this same time. The median survival rate in Nevada was greater than five years for Kidney and Renal Pelvis Cancer for this period.

- Females in Nevada had a slightly higher one-year survival rate (78.7 %) than males (75.3%) for Kidney and Renal Pelvis Cancer during the 1999 to 2003 period and this difference remained approximately the same for the five-year survival rate with females and males at 64.1% and 61.5%, respectively.

- The Kidney and Renal Pelvis Cancer Survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 97.7% and 90.6%, respectively. This was followed by those with regional and then distant diagnoses with rates of 77.4% and 30.4% for the one year period and 56.1% and 10.5% for the five year period.

INCIDENCE

Figure 115. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 116. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

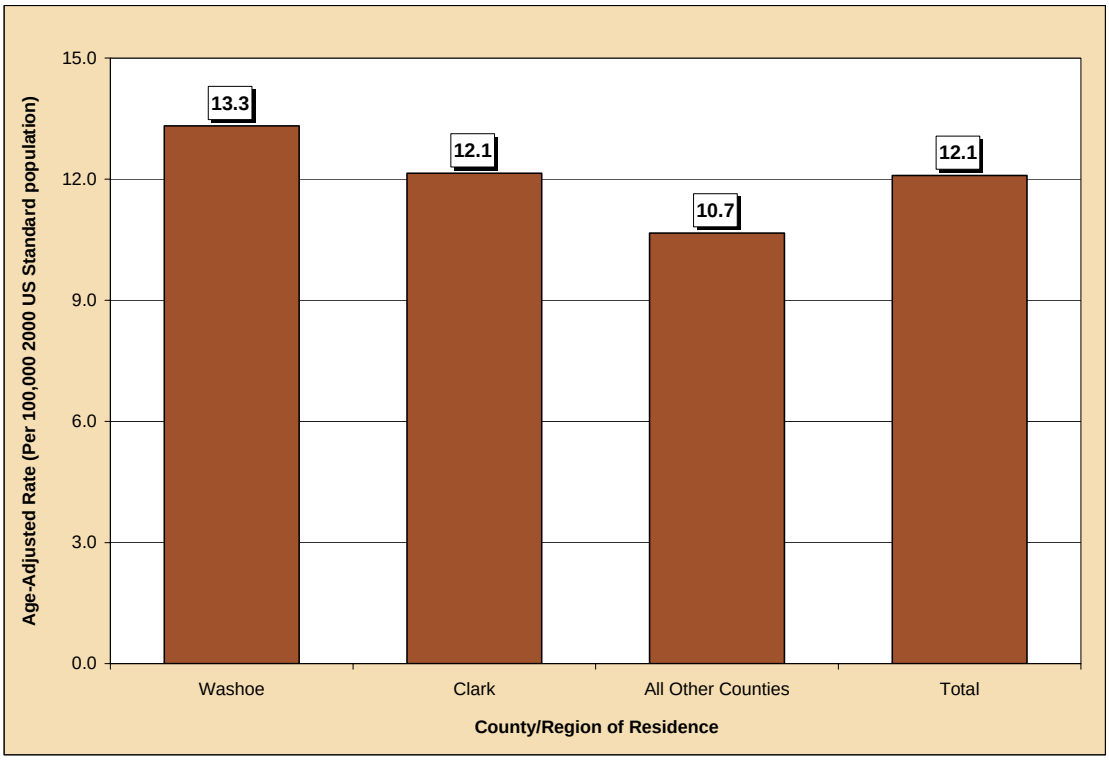


Figure 117. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

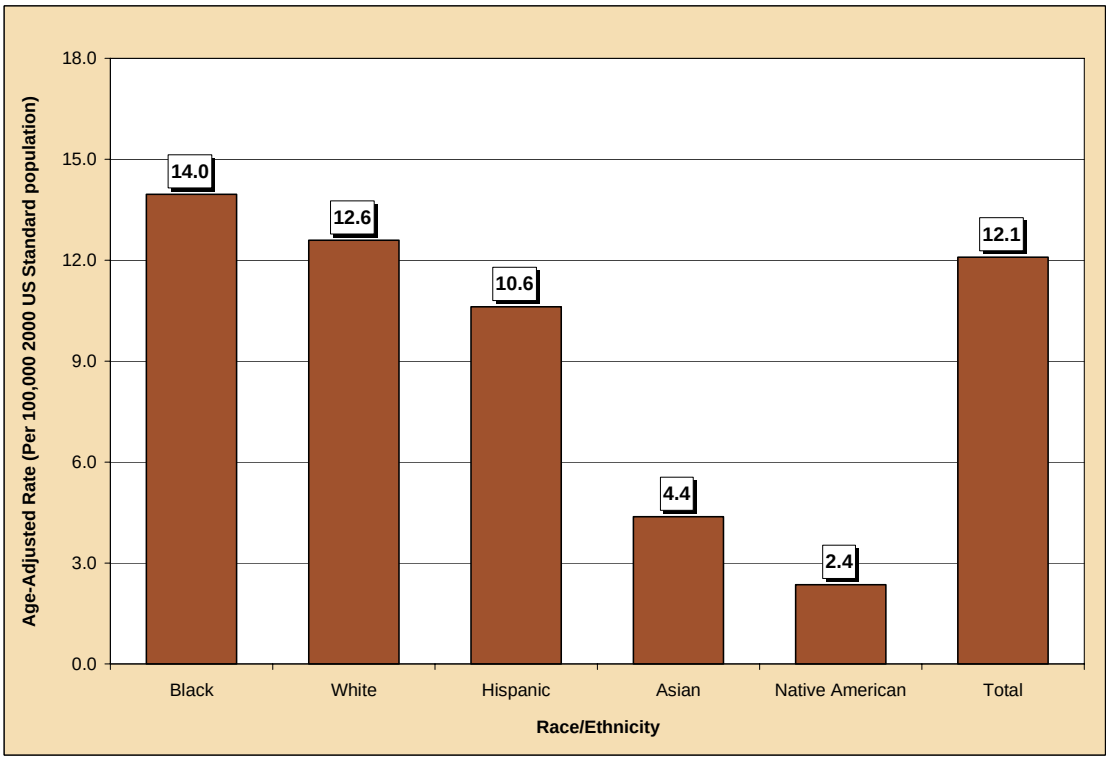


Table 171. Kidney and Renal Pelvis Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,227	841	218	168	0	20,619
Rate*	12.1	12.1	12.1	12.1	---	11.6
95% C.I.	(11.4-12.8)	(11.4-12.8)	(11.4-12.8)	(11.4-12.8)	---	(11.5-11.8)
Gender						
Male	791	791	791	791	0	12,130
Rate*	16.3	16.3	16.3	16.3	---	15.7
95% C.I.	(15.1-17.5)	(15.1-17.5)	(15.1-17.5)	(15.1-17.5)	---	(15.4-16.0)
Female	436	436	436	436	0	7,507
Rate*	8.4	8.4	8.4	8.4	---	7.8
95% C.I.	(7.6-9.2)	(7.6-9.2)	(7.6-9.2)	(7.6-9.2)	---	(7.7-8.0)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,020	672	198	150	0	16,311
Rate*	12.6	12.6	12.6	12.6	---	11.7
95% C.I.	(11.8-13.4)	(11.8-13.4)	(11.8-13.4)	(11.8-13.4)	---	(11.5-11.9)
Black	77	72	4	1	0	2,019
Rate*	14.0	14.0	---	---	---	13.3
95% C.I.	(10.9-18.0)	(10.9-18.0)	---	---	---	(12.7-13.9)
Native American	3	1	1	1	0	165
Rate*	---	---	---	---	---	10.0
95% C.I.	---	---	---	---	---	(8.5-8.5)
Asian	25	21	2	2	0	1,132
Rate*	4.4	4.4	---	---	---	6.4
95% C.I.	(2.8-6.8)	(2.8-6.8)	---	---	---	(6.0-6.8)
Hispanic	86	66	11	9	0	2,019
Rate*	10.6	10.6	10.6	---	---	11.0
95% C.I.	(8.1-14.0)	(8.1-14.0)	(8.1-14.0)	---	---	(10.5-11.5)
Other/Unknown	16	9	2	5	0	66

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 172. Kidney and Renal Pelvis Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,227	841	218	168	0	20,619
Rate*	12.1	12.1	13.3	10.7	---	11.6
95% C.I.	(11.4-12.8)	(11.3-13.0)	(11.6-15.3)	(9.1-12.5)	---	(11.5-11.8)
Age Group						
<1	0	0	0	0	0	48
Rate*	---	---	---	---	---	1.7
95% C.I.	---	---	---	---	---	(1.3-2.3)
1-4	11	8	3	0	0	212
Rate*	1.8	---	---	---	---	1.9
95% C.I.	(0.74-2.88)	---	---	---	---	(1.7-2.2)
5-14	8	4	3	1	0	95
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.3-0.4)
15-24	1	1	0	0	0	52
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.3)
25-34	12	10	1	1	0	255
Rate*	0.8	0.9	---	---	---	0.9
95% C.I.	(0.33-1.20)	(0.33-1.41)	---	---	---	(0.8-1.0)
35-44	74	43	19	12	0	1,301
Rate*	4.5	3.7	6.7	5.4	---	4.1
95% C.I.	(3.45-5.49)	(2.62-4.86)	(3.68-9.70)	(2.35-8.48)	---	(3.9-4.4)
45-54	198	135	34	29	0	3,264
Rate*	13.9	14.2	13.4	13.4	---	12.6
95% C.I.	(11.99-15.87)	(11.79-16.57)	(8.92-17.95)	(8.55-18.34)	---	(12.2-13.1)
55-64	333	236	53	44	0	4,700
Rate*	32.4	33.5	32.2	27.7	---	29.8
95% C.I.	(28.90-35.85)	(29.19-37.73)	(23.56-40.92)	(19.52-35.90)	---	(29.0-30.7)
65-74	334	236	57	41	0	5,333
Rate*	48.6	50.1	54.6	36.6	---	48.1
95% C.I.	(43.35-53.77)	(43.69-56.47)	(40.41-68.75)	(25.36-47.74)	---	(46.9-49.4)
75-84	218	143	43	32	0	4,178
Rate*	55.6	53.9	69.9	49.0	---	54.7
95% C.I.	(48.20-62.96)	(45.05-62.71)	(49.03-90.83)	(32.00-65.92)	---	(53.1-56.4)
85+	38	25	5	8	0	1,181
Rate*	43.2	45.0	---	---	---	44.1
95% C.I.	(29.46-56.92)	(27.33-62.57)	---	---	---	(41.6-46.7)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 173. Kidney and Renal Pelvis Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	31	12.3	(7.94-16.56)	10.2	(6.9-14.6)
Churchill	20	16.3	(9.14-23.41)	16.2	(9.8-25.6)
Clark	841	11.5	(10.70-12.25)	12.1	(11.3-13.0)
Douglas	25	11.7	(7.09-16.24)	8.9	(5.8-13.4)
Elko	19	8.3	(4.59-12.10)	13.4	(7.5-23.1)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	8	---	---	---	---
Lander	4	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	30	16.2	(10.39-21.97)	14.1	(9.5-20.5)
Mineral	1	---	---	---	---
Nye	24	14.2	(8.49-19.83)	10.7	(6.6-17.1)
Pershing	1	---	---	---	---
Storey	1	---	---	---	---
Washoe	218	12.5	(10.82-14.13)	13.3	(11.6-15.3)
White Pine	0	---	---	---	---
Unknown	0	---	---	---	---
Total	1,227	11.7	(11.03-12.34)	12.1	(11.4-12.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 174. Kidney and Renal Pelvis Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	661	359	0	1,020
	Rate*	16.8	8.7	---	12.6
	95% C.I.	(15.5-18.2)	(7.9-9.7)	---	(11.8-13.4)
Black	Incidence	49	28	0	77
	Rate*	18.2	10.0	---	14.0
	95% C.I.	(13.3-24.6)	(6.5-15.0)	---	(10.9-18.0)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	16	9	0	25
	Rate*	6.8	---	---	4.4
	95% C.I.	(3.8-11.8)	---	---	(2.8-6.8)
Hispanic	Incidence	53	33	0	86
	Rate*	16.3	6.6	---	10.6
	95% C.I.	(11.1-24.4)	(4.3-9.8)	---	(8.1-14.0)
Other/Unknown		10	6	0	16
Total	Incidence	791	436	0	1,227
	Rate*	16.3	8.4	---	12.1
	95% C.I.	(15.1-17.5)	(7.6-9.2)	---	(11.4-12.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 175. Kidney and Renal Pelvis Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	7	4	0	11
Rate*	---	---	---	1.81
95% C.I.	---	---	---	(0.74-2.88)
5-14	4	4	0	8
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	5	0	12
Rate*	---	---	---	0.77
95% C.I.	---	---	---	(0.33-1.20)
35-44	41	33	0	74
Rate*	4.78	4.14	---	4.47
95% C.I.	(3.31-6.24)	(2.73-5.56)	---	(3.45-5.49)
45-54	126	72	0	198
Rate*	17.50	10.27	---	13.93
95% C.I.	(14.44-20.55)	(7.90-12.65)	---	(11.99-15.87)
55-64	233	100	0	333
Rate*	45.86	19.21	---	32.38
95% C.I.	(39.97-51.75)	(15.45-22.98)	---	(28.90-35.85)
65-74	217	117	0	334
Rate*	63.94	33.57	---	48.56
95% C.I.	(55.44-72.45)	(27.49-39.66)	---	(43.35-53.77)
75-84	133	85	0	218
Rate*	75.03	39.54	---	55.58
95% C.I.	(62.28-87.78)	(31.13-47.94)	---	(48.20-62.96)
85+	23	15	0	38
Rate*	79.08	25.47	---	43.19
95% C.I.	(46.76-111.40)	(12.58-38.36)	---	(29.46-56.92)
Unknown	0	0	0	0
Total	791	436	0	1,227
Rate*	14.83	8.44	---	11.69
95% C.I.	(13.79-15.86)	(7.65-9.24)	---	(11.03-12.34)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 176. Kidney and Renal Pelvis Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	5	1	3	2	11
	Percent	---	45.5%	9.1%	27.3%	18.2%	100.0%
5-14	Number	---	2	2	1	3	8
	Percent	---	25.0%	25.0%	12.5%	37.5%	100.0%
15-24	Number	---	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	---	10	0	2	0	12
	Percent	---	83.3%	---	16.7%	---	100.0%
35-44	Number	---	53	6	8	7	74
	Percent	---	71.6%	8.1%	10.8%	9.5%	100.0%
45-54	Number	---	122	31	21	24	198
	Percent	---	61.6%	15.7%	10.6%	12.1%	100.0%
55-64	Number	---	177	45	67	44	333
	Percent	---	53.2%	13.5%	20.1%	13.2%	100.0%
65-74	Number	---	180	50	59	45	334
	Percent	---	53.9%	15.0%	17.7%	13.5%	100.0%
75-84	Number	---	101	32	37	48	218
	Percent	---	46.3%	14.7%	17.0%	22.0%	100.0%
85+	Number	---	8	4	10	16	38
	Percent	---	21.1%	10.5%	26.3%	42.1%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	659	171	208	189	1,227
	Percent	---	53.7%	13.9%	17.0%	15.4%	100.0%

Table 177. Kidney and Renal Pelvis Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	540	51	1	10	50	7	659
	Percent	52.9%	66.2%	33.3%	40.0%	58.1%	43.8%	53.7%
Regional	Number	152	4	0	9	6	0	171
	Percent	14.9%	5.2%	---	36.0%	7.0%	---	13.9%
Distant	Number	181	7	0	3	16	1	208
	Percent	17.7%	9.1%	---	12.0%	18.6%	6.3%	17.0%
Unstaged	Number	147	15	2	3	14	8	189
	Percent	14.4%	19.5%	66.7%	12.0%	16.3%	50.0%	15.4%
Total	Number	1,020	77	3	25	86	16	1,227
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

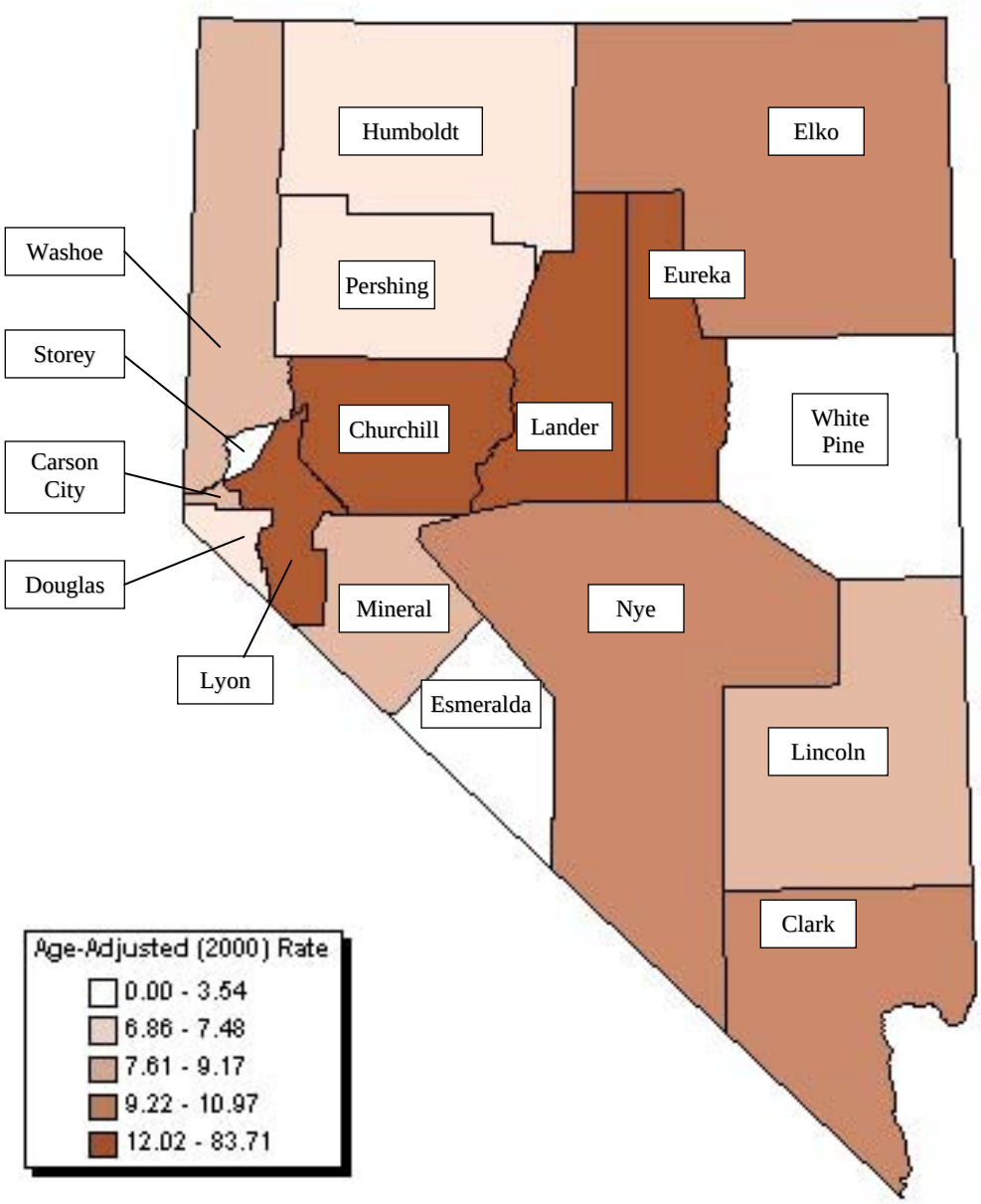
Table 178. Median Age at Diagnosis of Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	661	64.0	359	66.0	1,020	64.0
Black	49	60.0	28	64.5	77	61.0
Native American	2	---	1	---	3	---
Asian	16	58.5	9	47.0	25	57.0
Hispanic	53	62.0	33	52.0	86	59.0
Other/Unknown	10	68.0	6	63.5	16	65.5
Total	791	64.0	436	64.0	1,227	64.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 118. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 119. Kidney and Renal Pelvis Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

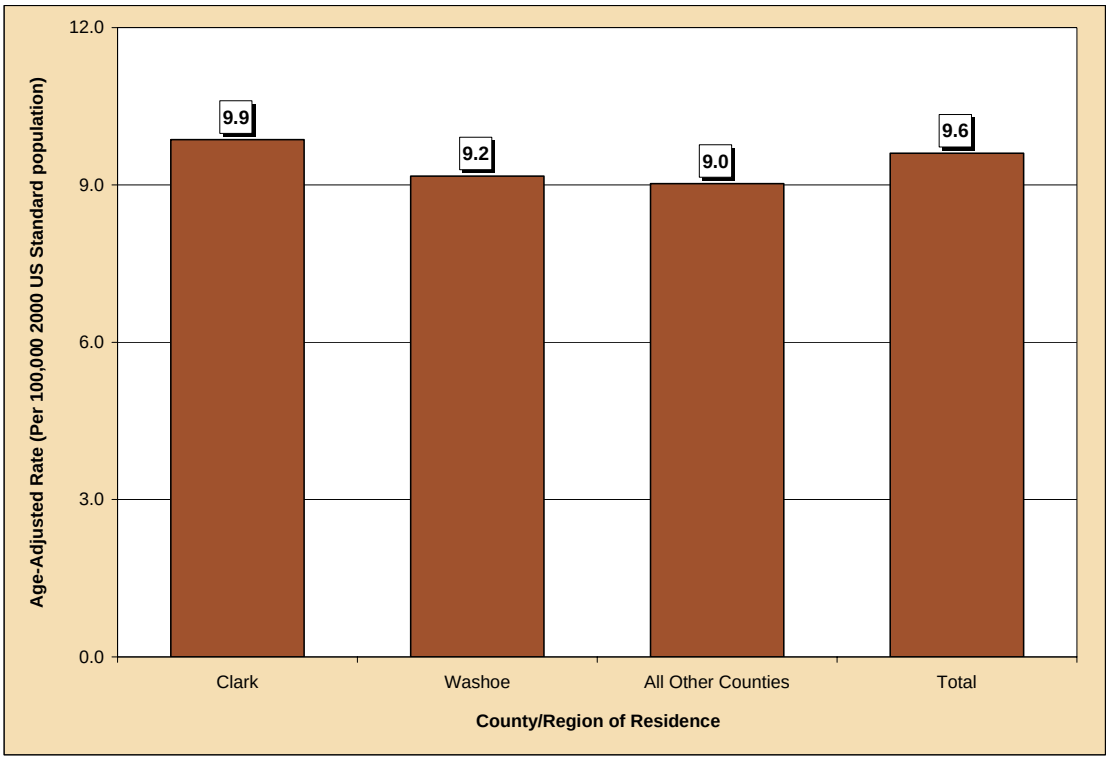


Figure 120. Median Charges for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

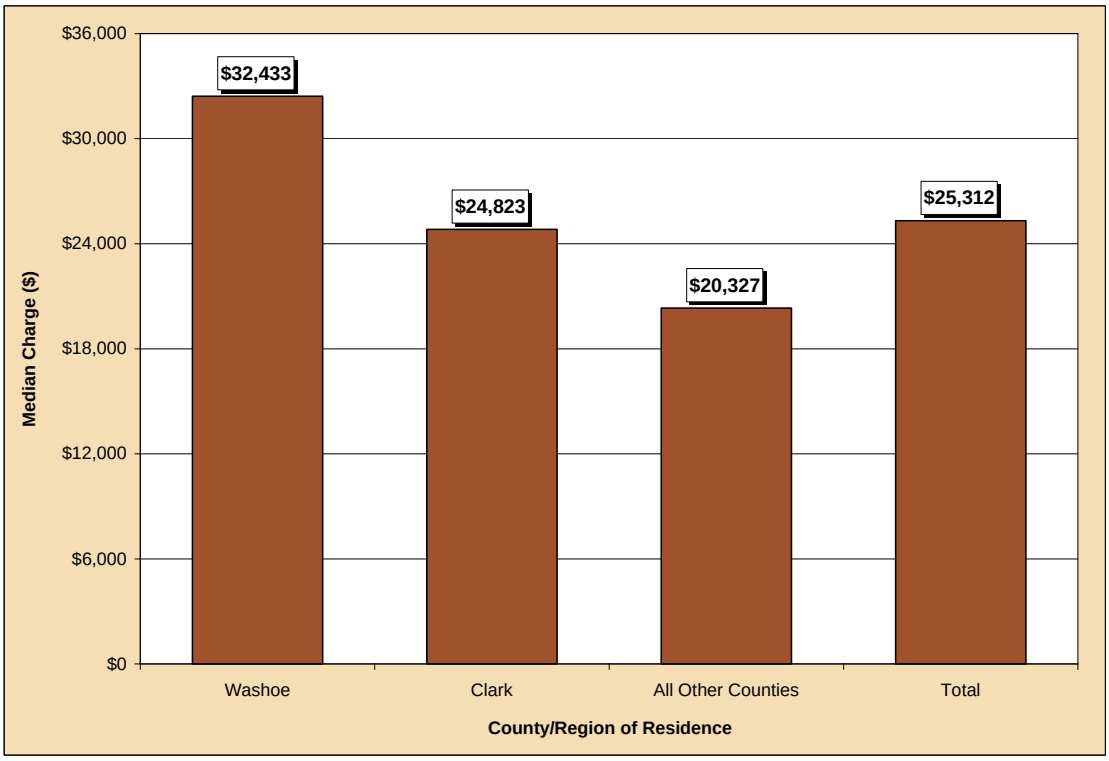


Figure 121. Average Length of Stay for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

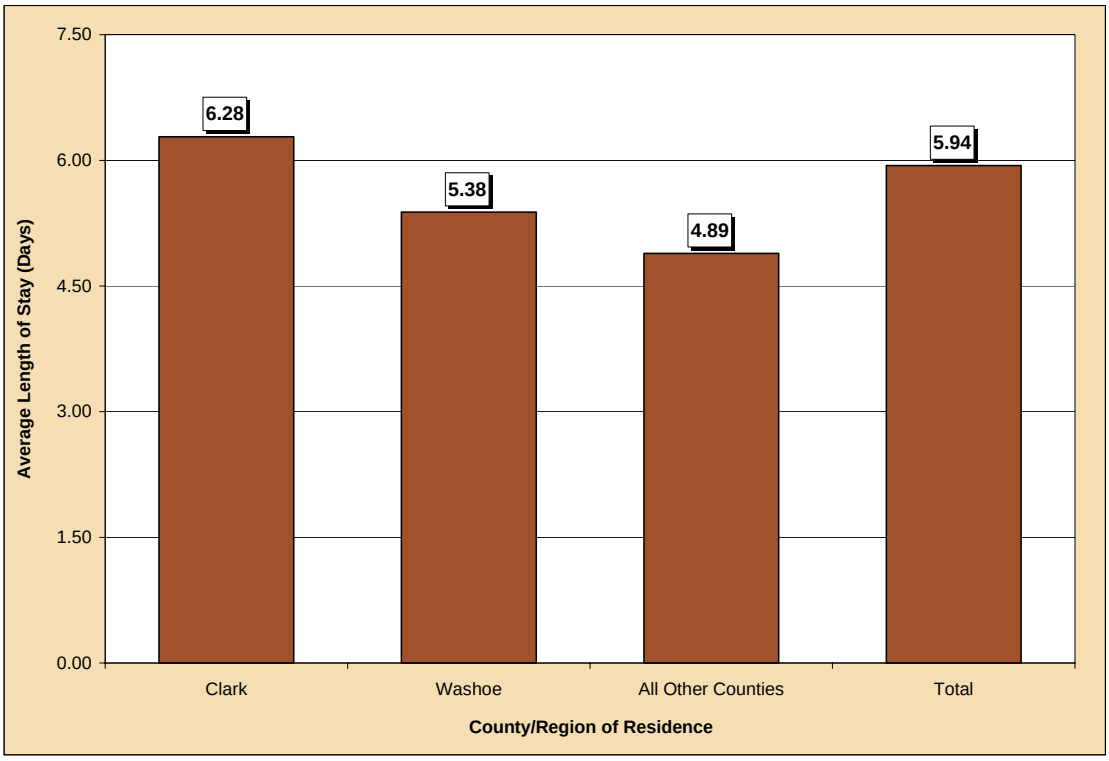


Table 179. Kidney and Renal Pelvis Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	985	688	152	145	0
Rate*	9.6	9.9	9.2	9.0	---
95% C.I.	(9.0-10.2)	(9.1-10.7)	(7.8-10.8)	(7.6-10.7)	---
Gender					
Male	645	439	101	105	0
Rate*	13.0	13.0	12.9	13.4	---
95% C.I.	(12.0-14.2)	(11.8-14.4)	(10.4-16.0)	(10.9-16.4)	---
Female	340	249	51	40	0
Rate*	6.5	7.0	6.0	4.9	---
95% C.I.	(5.8-7.2)	(6.1-7.9)	(4.4-7.8)	(3.5-6.8)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$34,031,099	$24,743,703	$5,533,040	$3,754,356	---
Average Charges	$34,549	$35,965	$36,402	$25,892	---
Median Charges	$25,312	$24,823	$32,433	$20,327	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,849	4,322	818	709	---
Average LOS	5.9	6.3	5.4	4.9	---
Median LOS	4.0	5.0	5.0	4.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 180. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	985	688	152	145
Rate*	9.4	9.4	8.7	10.2
95% C.I.	(8.80-9.97)	(8.69-10.09)	(7.32-10.08)	(8.53-11.85)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	10	9	1	0
Rate*	1.6	---	---	---
95% C.I.	(0.62-2.66)	---	---	---
5-14	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	9	7	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	64	39	14	11
Rate*	3.9	3.4	4.9	5.0
95% C.I.	(2.92-4.81)	(2.33-4.46)	(2.35-7.52)	(2.03-7.90)
45-54	166	120	23	23
Rate*	11.7	12.6	9.1	10.7
95% C.I.	(9.90-13.46)	(10.35-14.86)	(5.37-12.80)	(6.30-15.02)
55-64	270	185	41	44
Rate*	26.3	26.2	24.9	27.7
95% C.I.	(23.12-29.38)	(22.45-30.01)	(17.31-32.58)	(19.52-35.90)
65-74	279	200	47	32
Rate*	40.6	42.4	45.0	28.5
95% C.I.	(35.80-45.32)	(36.56-48.32)	(32.14-57.87)	(18.64-38.41)
75-84	162	108	22	32
Rate*	41.3	40.7	35.8	49.0
95% C.I.	(34.94-47.66)	(33.02-48.37)	(20.83-50.73)	(32.00-65.92)
85+	21	16	3	2
Rate*	23.9	28.8	---	---
95% C.I.	(13.66-34.08)	(14.67-42.86)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 181. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	9	1	10
Rate*	---	---	1.64
95% C.I.	---	---	(0.62-2.66)
5-14	2	1	3
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	4	5	9
Rate*	---	---	---
95% C.I.	---	---	---
35-44	39	25	64
Rate*	4.54	3.14	3.87
95% C.I.	(3.12-5.97)	(1.91-4.37)	(2.92-4.81)
45-54	104	62	166
Rate*	14.44	8.85	11.68
95% C.I.	(11.67-17.22)	(6.64-11.05)	(9.90-13.46)
55-64	184	86	270
Rate*	36.22	16.52	26.25
95% C.I.	(30.99-41.45)	(13.03-20.02)	(23.12-29.38)
65-74	187	92	279
Rate*	55.10	26.40	40.56
95% C.I.	(47.21-63.00)	(21.01-31.80)	(35.80-45.32)
75-84	103	59	162
Rate*	58.11	27.44	41.30
95% C.I.	(46.88-69.33)	(20.44-34.45)	(34.94-47.66)
85+	13	8	21
Rate*	44.70	---	23.87
95% C.I.	(20.40-69.00)	---	(13.66-34.08)
Unknown	0	0	0
Total	645	340	985
Rate*	12.09	6.59	9.38
95% C.I.	(11.16-13.02)	(5.89-7.29)	(8.80-9.97)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 182. Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	23	9.1	(5.37-12.80)	7.6	(4.8-11.6)
Churchill	15	12.2	(6.03-18.38)	12.0	(6.7-20.5)
Clark	688	9.4	(8.69-10.09)	9.9	(9.1-10.7)
Douglas	19	8.9	(4.88-12.85)	6.9	(4.1-10.9)
Elko	14	6.2	(2.93-9.37)	9.2	(4.7-17.2)
Esmeralda	0	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	6	---	---	---	---
Lander	3	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	27	14.6	(9.07-20.06)	12.7	(8.4-18.7)
Mineral	2	---	---	---	---
Nye	25	14.8	(8.97-20.53)	11.0	(6.8-17.4)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	152	8.7	(7.32-10.08)	9.2	(7.8-10.8)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	985	9.4	(8.80-9.97)	9.6	(9.0-10.2)

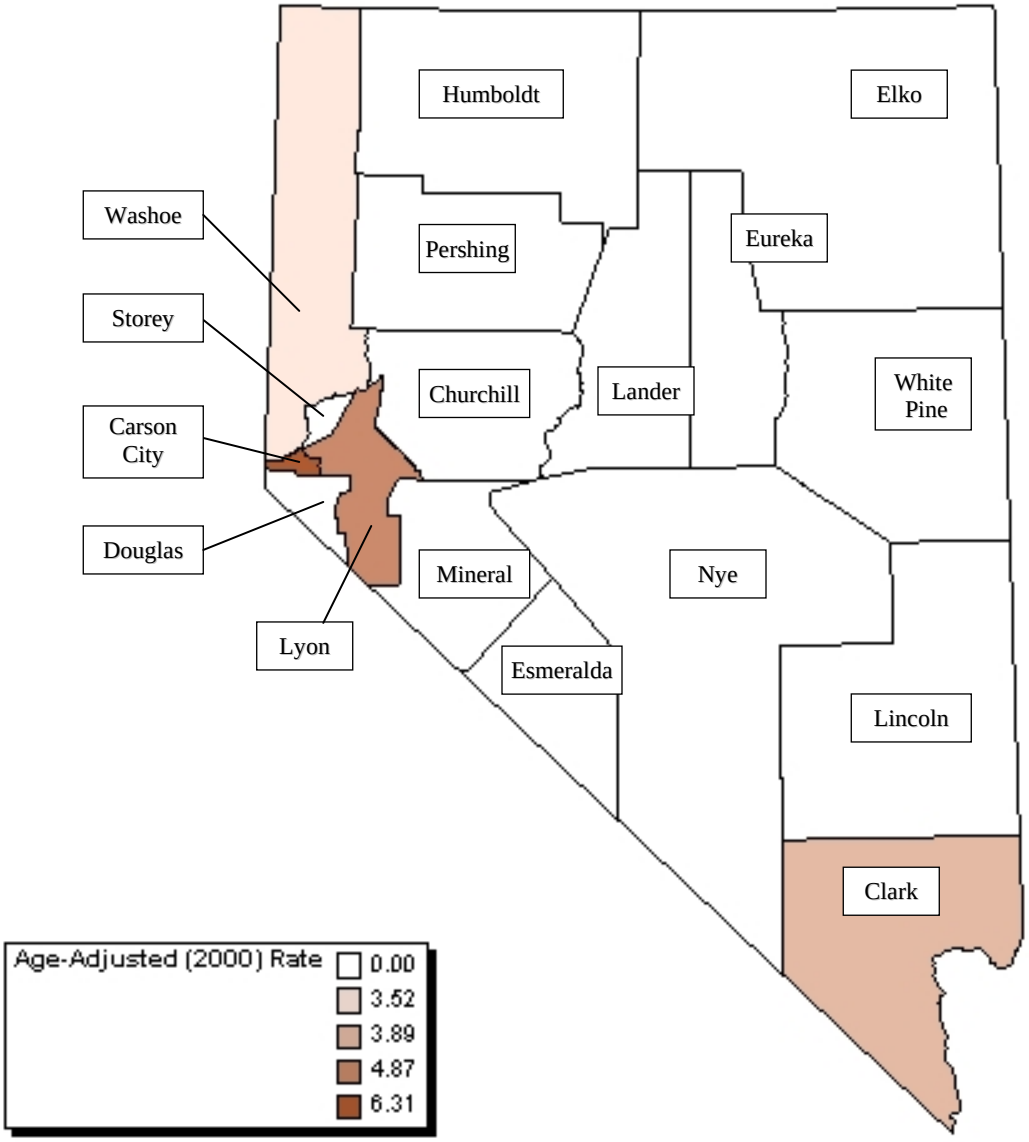
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 183. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	10	---	---	---	---	---	---
5-14	3	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	9	---	---	---	---	---	---
35-44	64	1,817,155	28,393	25,482	307	4.8	4.0
45-54	166	5,495,508	33,105	23,764	903	5.4	4.0
55-64	270	9,237,659	34,214	25,314	1,665	6.2	4.0
65-74	279	9,287,589	33,289	25,763	1,593	5.7	5.0
75-84	162	6,774,974	41,821	26,254	1,102	6.8	5.0
85+	21	640,374	30,494	23,437	134	6.4	5.0
Unknown	0	---	---	---	---	---	---
Total	985	34,031,099	34,549	25,312	5,849	5.9	4.0

MORTALITY

Figure 122. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 123. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

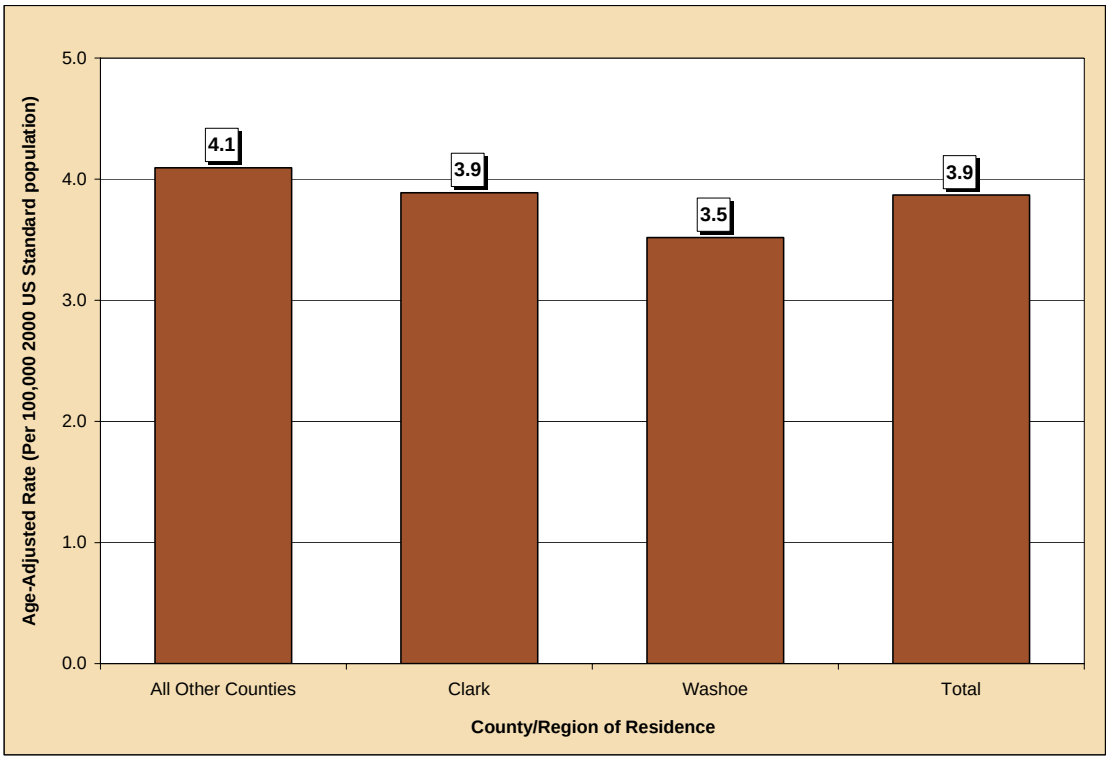


Figure 124. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

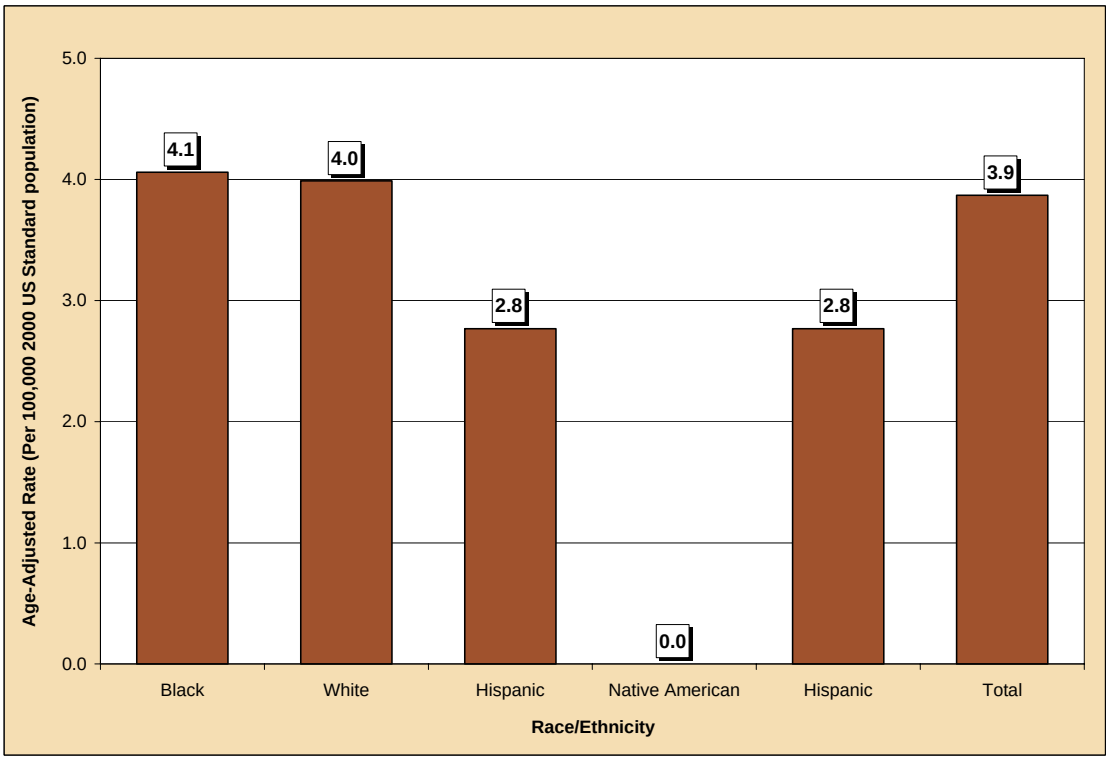


Table 184. Kidney and Renal Pelvis Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	377	258	55	64
Rate*	3.9	3.9	3.5	4.1
95% C.I.	(3.5-4.3)	(3.4-4.4)	(2.6-4.6)	(3.1-5.3)
Gender				
Male	257	257	257	257
Rate*	5.6	5.7	4.9	5.8
95% C.I.	(4.9-6.4)	(4.8-6.7)	(3.4-7.2)	(4.1-8.1)
Female	120	120	120	120
Rate*	2.4	2.4	2.3	2.5
95% C.I.	(2.0-2.9)	(1.9-3.0)	(1.4-3.6)	(1.5-3.9)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	318	215	48	55
Rate*	4.0	4.1	3.5	3.9
95% C.I.	(3.6-4.5)	(3.6-4.7)	(2.6-4.7)	(2.9-5.1)
Black	20	18	2	0
Rate*	4.1	4.0	---	---
95% C.I.	(2.4-6.9)	(2.3-7.0)	---	---
Native American	5	0	2	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	9	8	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	23	16	2	5
Rate*	2.8	2.4	---	---
95% C.I.	(1.7-4.5)	(1.3-4.3)	---	---
Other/Unknown	2	1	0	1

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 185. Kidney and Renal Pelvis Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	377	258	55	64
Rate*	3.9	3.9	3.5	4.1
95% C.I.	(3.5-4.3)	(3.4-4.4)	(2.6-4.6)	(3.1-5.3)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	9	7	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	36	24	8	4
Rate*	2.5	2.5	---	---
95% C.I.	(1.71-3.36)	(1.51-3.53)	---	---
55-64	110	73	16	21
Rate*	10.7	10.4	9.7	13.2
95% C.I.	(8.70-12.69)	(7.98-12.72)	(4.96-14.50)	(7.57-18.88)
65-74	103	71	11	21
Rate*	15.0	15.1	10.5	18.7
95% C.I.	(12.08-17.87)	(11.56-18.57)	(4.31-16.76)	(10.71-26.73)
75-84	91	68	14	9
Rate*	23.2	25.6	22.8	---
95% C.I.	(18.43-27.97)	(19.53-31.71)	(10.84-34.70)	---
85+	26	14	5	7
Rate*	29.6	25.2	---	---
95% C.I.	(18.19-40.91)	(11.99-38.36)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 186. Kidney and Renal Pelvis Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	18	7.1	(3.83-10.40)	6.3	(3.7-10.1)
Churchill	7	---	---	---	---
Clark	258	3.5	(3.09-3.95)	3.9	(3.4-4.4)
Douglas	6	---	---	---	---
Elko	6	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	2	---	---	---	---
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	10	5.4	(2.05-8.74)	4.9	(2.3-9.3)
Mineral	0	---	---	---	---
Nye	8	---	---	---	---
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	55	3.1	(2.32-3.98)	3.5	(2.6-4.6)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	377	3.6	(3.23-3.95)	3.9	(3.5-4.3)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 187. Kidney and Renal Pelvis Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	216	102	0	318
	Rate*	5.7	2.5	---	4.0
	95% C.I.	(5.0-6.6)	(2.0-3.0)	---	(3.6-4.5)
Black	Incidence	11	9	0	20
	Rate*	4.1	---	---	4.1
	95% C.I.	(2.0-7.9)	---	---	(2.4-6.9)
Native American	Incidence	1	4	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	9	0	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Hispanic	Incidence	19	4	0	23
	Rate*	4.9	---	---	2.8
	95% C.I.	(2.8-8.5)	---	---	(1.7-4.5)
Other/Unknown		1	1	0	2
Total	Incidence	257	120	0	377
	Rate*	5.6	2.4	---	3.9
	95% C.I.	(4.9-6.4)	(2.0-2.9)	---	(3.5-4.3)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 188. Kidney and Renal Pelvis Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	7	2	9
Rate*	---	---	---
95% C.I.	---	---	---
45-54	28	8	36
Rate*	3.89	---	2.53
95% C.I.	(2.45-5.33)	---	(1.71-3.36)
55-64	84	26	110
Rate*	16.53	5.00	10.70
95% C.I.	(13.00-20.07)	(3.08-6.92)	(8.70-12.69)
65-74	68	35	103
Rate*	20.04	10.04	14.97
95% C.I.	(15.28-24.80)	(6.72-13.37)	(12.08-17.87)
75-84	55	36	91
Rate*	31.03	16.75	23.20
95% C.I.	(22.83-39.23)	(11.28-22.22)	(18.43-27.97)
85+	14	12	26
Rate*	48.14	20.37	29.55
95% C.I.	(22.92-73.35)	(8.85-31.90)	(18.19-40.91)
Unknown	0	0	0
Total	257	120	377
Rate*	4.82	2.32	3.59
95% C.I.	(4.23-5.41)	(1.91-2.74)	(3.23-3.95)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

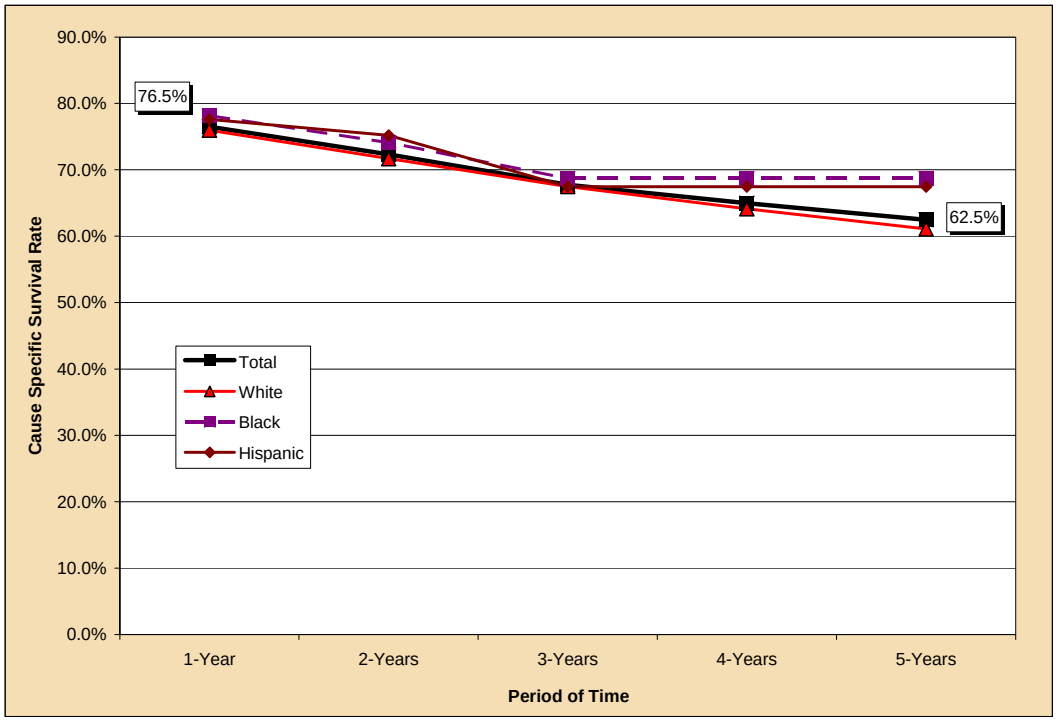
Table 189. Median Age at Death from Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	216	66.0	102	73.0	318	69.0
Black	11	62.0	9	67.0	20	64.0
Native American	1	---	4	---	5	64.0
Asian	9	61.0	0	---	9	61.0
Hispanic	19	59.0	4	---	23	59.0
Other/Unknown	1	---	1	---	2	---
Total	257	66.0	120	72.0	377	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 125. Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 126. Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

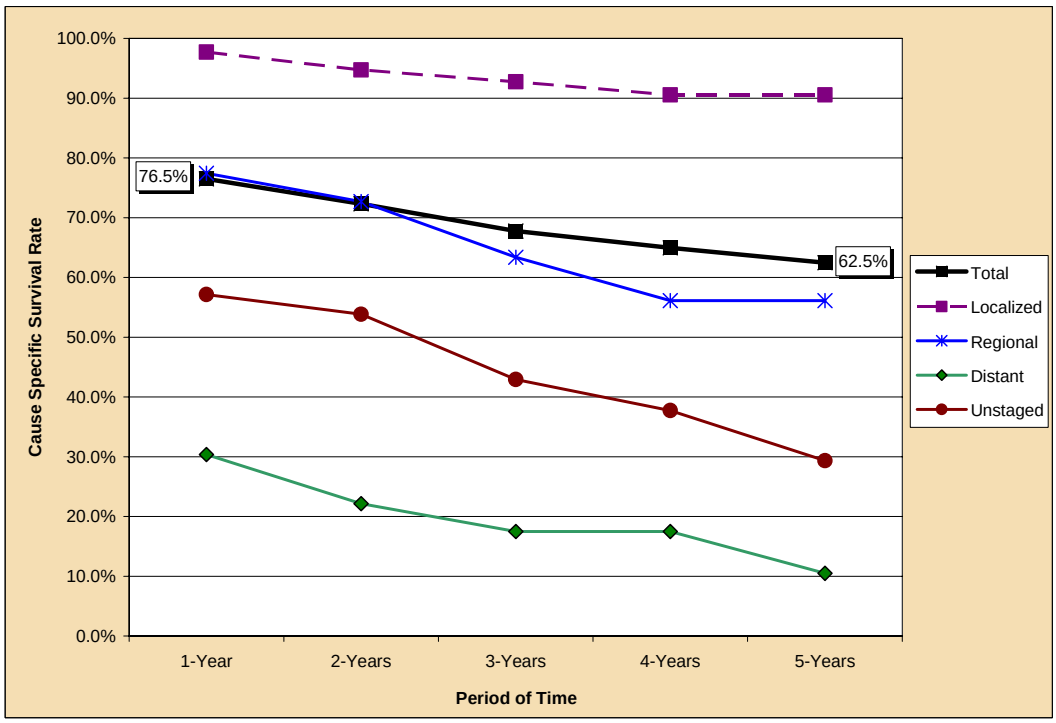


Table 190. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	982	76.5%	72.3%	67.8%	65.0%	62.5%	> 5 YEARS
Male	626	75.3%	71.6%	66.6%	63.4%	61.5%	> 5 YEARS
Female	356	78.7%	73.6%	69.9%	67.7%	64.1%	> 5 YEARS
Race/Ethnicity							
White	811	76.0%	71.7%	67.5%	64.1%	61.1%	> 5 YEARS
Male	521	75.0%	70.8%	66.3%	62.5%	60.2%	> 5 YEARS
Female	290	77.8%	73.3%	69.7%	67.0%	62.7%	> 5 YEARS
Black	63	78.2%	74.1%	68.7%	68.7%	68.7%	> 5 YEARS
Male	39	---	---	---	---	---	.
Female	24	---	---	---	---	---	.
Native American	3	---	---	---	---	---	.
Male	2	---	---	---	---	---	.
Female	1	---	---	---	---	---	.
Asian	21	---	---	---	---	---	.
Male	13	---	---	---	---	---	.
Female	8	---	---	---	---	---	.
Hispanic	72	77.6%	75.2%	67.5%	67.5%	67.5%	> 5 YEARS
Male	44	---	---	---	---	---	.
Female	28	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 191. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	982	626	356
	One Year	76.5%	75.3%	78.7%
	5 Years	62.5%	61.5%	64.1%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	532	329	203
	One Year	97.7%	97.3%	98.3%
	5 Years	90.6%	89.3%	92.6%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	136	89	47
	One Year	77.4%	77.2%	---
	5 Years	56.1%	59.0%	---
	Median Survival	> 5 YEARS	> 5 YEARS	.
Distant	Cases	178	119	59
	One Year	30.4%	29.8%	31.5%
	5 Years	10.5%	17.1%	0.0%
	Median Survival	0.72	0.71	0.73
Unstaged	Cases	136	89	47
	One Year	57.1%	56.9%	---
	5 Years	29.3%	28.7%	---
	Median Survival	2.35	2.61	.

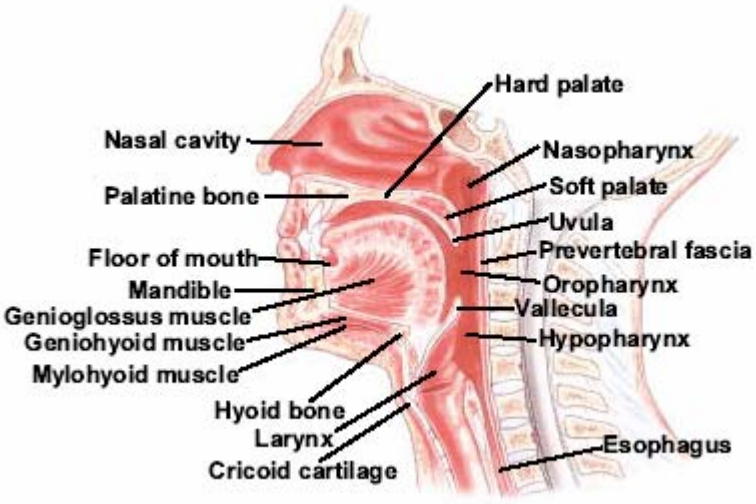
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LIP, ORAL CAVITY AND PHARYNYX CANCER

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE[4]

Figure 127. Anatomy of the Oral Cavity[5]



General Anatomy: The oral cavity includes many parts: the lips; the lining inside the lips and cheeks, called the buccal mucosa; the teeth; the bottom (floor) of the mouth under the tongue; the front two-thirds of the tongue; the bony top of the mouth (hard palate); the gums; and the small area behind the wisdom teeth. The oropharynx includes the back one-third of the tongue, the soft palate, the tonsils, and the part of the throat behind the mouth. Salivary glands throughout the oral cavity make saliva, which keeps the mouth moist and helps digest food.

Risk Factors: Tobacco use (especially smokeless tobacco), chronic and/or heavy alcohol use, sun exposure (Lip), history of leukoplakia (whitish patch inside the mouth associated with tobacco use), and erythroplakia (reddish patches usually in those over 60 years old)

Signs and Symptoms: Oral cancer usually occurs in people over the age of 45 but can develop at any age. These are some symptoms to watch for: A sore on the lip or in the mouth that does not heal, a lump on the lip or in the mouth or throat, a white or red patch on the gums, tongue, or lining of the mouth, unusual bleeding, pain, or numbness in the mouth, a sore throat that does not go away, or a feeling that something is caught in the throat, difficulty or pain with chewing or swallowing, swelling of the jaw that causes dentures to fit poorly or become uncomfortable, a change in the voice, and/or, pain in the ear.

Diagnosing the Cancer: Health exam, dental x-rays, head and chest x-rays, computed tomography (CAT) scan, ultrasonography, magnetic resonance imaging (MRI).

Treatment: Surgery, radiation therapy, chemotherapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.1, to the age-adjusted mortality rate, 2.9 (per 100,000 – 2000 US Standard population), for Lip, Oral Cavity and Pharynx Cancer was 3.83 during the 1999 to 2003 period, which means that for every 100 deaths due to this type of cancer there were 383 cases in Nevada of Lip, Oral Cavity and Pharynx Cancer during this period.

- Nevadan males had a higher ratio (4.02) than females (3.44) when the age-adjusted incidence and age-adjusted mortality rates for Lip, Oral Cavity and Pharynx Cancer were compared. For every 100 male deaths due to this type of cancer there were 402 male cases while there were only 344 female cases for every 100 female deaths from 1999 to 2003.

- The median age at diagnosis of Lip, Oral Cavity and Pharynx Cancer for Nevada residents was 62 years of age from 1999 to 2003 while the median age for males and females was 61 and 65 years, respectively. The median age at time of death due to Lip, Oral Cavity and Pharynx Cancer was 69 years statewide, 67 years of age for males and 72 years of age for females.

INCIDENCE

- Nevada's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer (11.1) was only slightly higher than the national rate of 10.5 (per 100,000 – 2000 US Standard population) from 1999 to 2003.

- The statistically significant age-adjusted incidence rate for male Lip, Oral Cavity and Pharynx Cancer, 16.5 (15.3-17.7), was more than double the rate for females, 6.2 (5.5-6.9), per 100,000 – 2000 US Standard population, during the 1999 to 2003 period.

- Regional comparisons showed that Clark County's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer, 11.3, was slightly higher than the rates for Washoe County and All Other Counties who had rates of 11.1 and 10.5 (per 100,000 – 2000 US Standard population) from 1999 to 2003.

- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate, 12.1 and were followed by Blacks, Asians and Hispanics with rates of 9.2, 7.6 and 3.3 (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 530 Lip, Oral Cavity and Pharynx Cancer inpatient discharges in Nevada from 1999 to 2003. The statistically significant age-adjusted inpatient discharge rate for males, 7.2 (6.4-8.0), was more than twice the inpatient discharge rate for females, 3.1 (2.6-3.6), per 100,000 – 2000 US Standard population, in Nevada during this period.

- Total billed charges for hospital inpatient discharges from Lip, Oral Cavity and Pharynx Cancer in Nevada totaled 21.4 million dollars from 1999 to 2003. Clark County had the highest median total charge ($24,031) and the longest average length of stay (7 days) during this time; once regional comparisons were made.

- The overall average billed charge per day for a inpatient hospital discharge for Lip, Oral Cavity and Pharynx Cancer in Nevada was approximately $5,876 from 1999 to 2003.

MORTALITY

- There were 277 deaths due to Lip, Oral Cavity and Pharynx Cancer in Nevada from 1999 to 2003. While the All Other Counties region had the highest age-adjusted mortality rate, 3.6, and was followed by Washoe County and Clark County with rates of 2.8 and 2.7, respectively, statistical analysis shows that there is not a statistically significant difference between the three regions.

- Males had a statistically significant higher age-adjusted mortality rate due to Lip, Oral Cavity and Pharynx Cancer, 4.1 (3.5-4.8), than their female counterparts who had an age-adjusted mortality rate of 1.8 (1.4-2.2), per 100,000 – 2000 US Standard population, during the 1999 to 2003 period.

SURVIVAL RATE

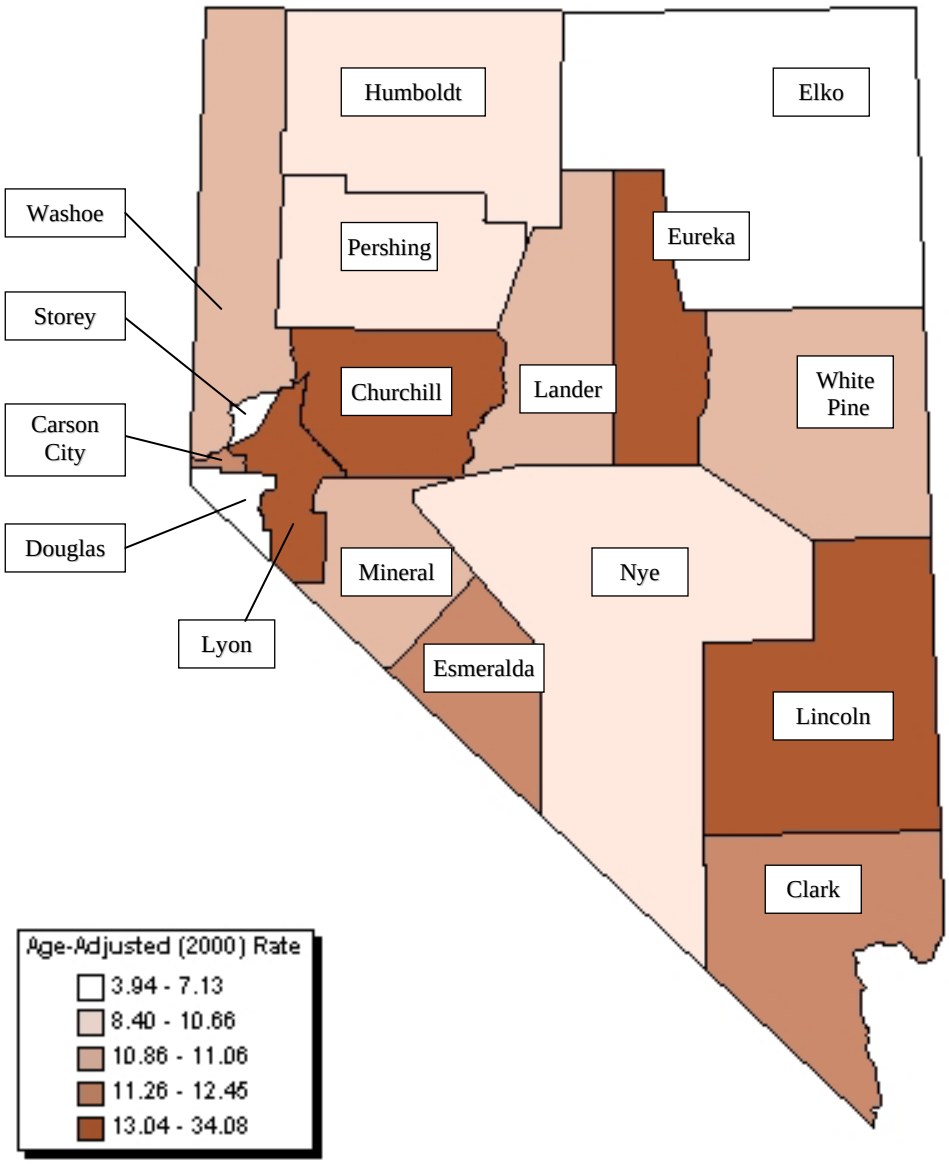
- While males in Nevada had a slightly lower one-year survival rate (76.4%) than females (79.3%) for Lip, Oral Cavity and Pharynx Cancer during the 1999 to 2003 period, their five-year survival rate was slightly higher (55.3%) than the five-year rate for females (54.2%).

- The one-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 91.7%, while those diagnosed at the regional, distant and unstaged stages had rates of 77.1%, 42.5% and 71.9%, respectively.

- The five-year survival rate for Lip, Oral Cavity and Pharynx Cancer with those at the localized stage was 71.6%, and was followed by those at the regional, distant and unstaged stages with rates of 53.1%, 26.8% and 44.4%, respectively.

INCIDENCE

Figure 128. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 129. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

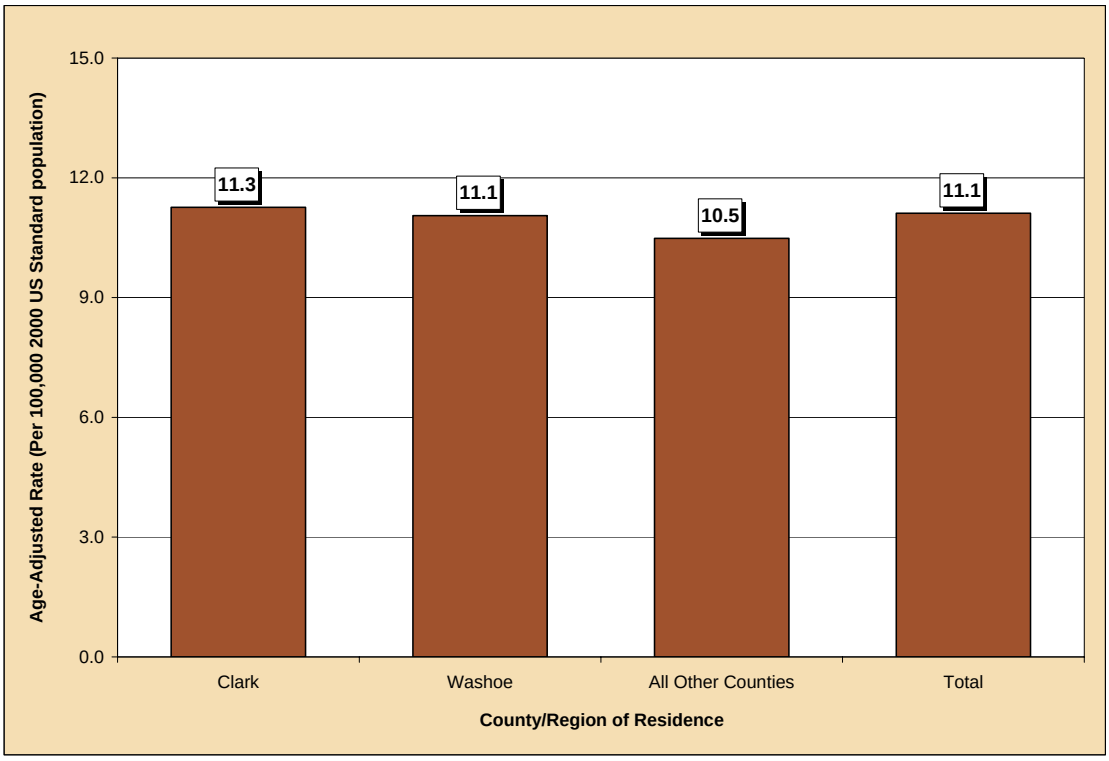


Figure 130. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

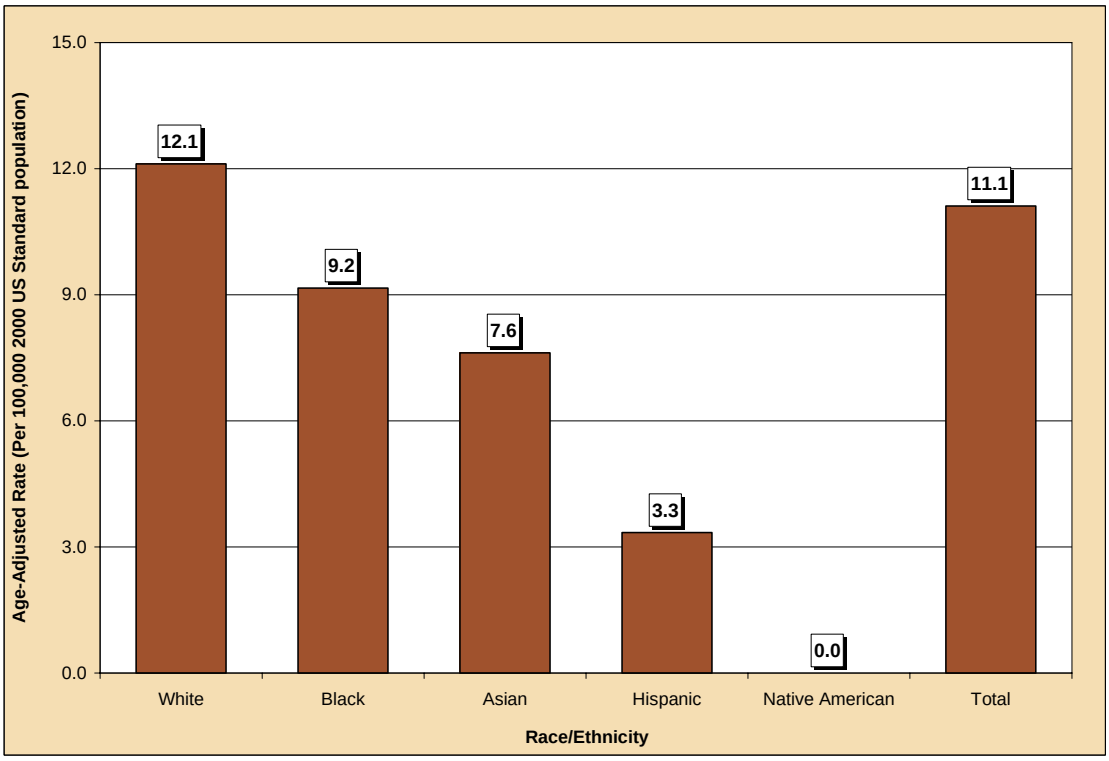


Table 192. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,141	790	183	168	0	18,869
Rate*	11.1	11.1	11.1	11.1	---	10.5
95% C.I.	(10.5-11.8)	(10.5-11.8)	(10.5-11.8)	(10.5-11.8)	---	(10.4-10.7)
Gender						
Male	819	819	819	819	0	12,413
Rate*	16.5	16.5	16.5	16.5	---	15.7
95% C.I.	(15.3-17.7)	(15.3-17.7)	(15.3-17.7)	(15.3-17.7)	---	(15.4-16.0)
Female	322	322	322	322	0	6,199
Rate*	6.2	6.2	6.2	6.2	---	6.4
95% C.I.	(5.5-6.9)	(5.5-6.9)	(5.5-6.9)	(5.5-6.9)	---	(6.3-6.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	994	662	168	164	0	14,890
Rate*	12.1	12.1	12.1	12.1	---	10.7
95% C.I.	(11.4-12.9)	(11.4-12.9)	(11.4-12.9)	(11.4-12.9)	---	(10.5-10.8)
Black	50	44	5	1	0	1,888
Rate*	9.2	9.2	---	---	---	11.9
95% C.I.	(6.7-12.6)	(6.7-12.6)	---	---	---	(11.3-12.5)
Native American	0	0	0	0	0	121
Rate*	---	---	---	---	---	6.8
95% C.I.	---	---	---	---	---	(5.6-5.6)
Asian	37	33	3	1	0	1,618
Rate*	7.6	7.6	---	---	---	8.7
95% C.I.	(5.0-12.4)	(5.0-12.4)	---	---	---	(8.3-9.2)
Hispanic	34	28	5	1	0	1,190
Rate*	3.3	3.3	---	---	---	6.4
95% C.I.	(2.2-5.1)	(2.2-5.1)	---	---	---	(6.0-6.8)
Other/Unknown	26	23	2	1	0	151

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 193. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,141	790	183	168	0	18,869
Rate*	11.1	11.3	11.1	10.5	---	10.5
95% C.I.	(10.5-11.8)	(10.5-12.1)	(9.5-12.8)	(8.9-12.3)	---	(10.4-10.7)
Age Group						
<1	0	0	0	0	0	3
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.3)
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	5	4	0	1	0	52
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	6	3	3	0	0	123
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.5)
25-34	15	10	1	4	0	454
Rate*	1.0	0.9	---	---	---	1.5
95% C.I.	(0.47-1.45)	(0.33-1.41)	---	---	---	(1.4-1.7)
35-44	64	51	8	5	0	1,470
Rate*	3.9	4.4	---	---	---	4.7
95% C.I.	(2.92-4.81)	(3.22-5.65)	---	---	---	(4.4-4.9)
45-54	218	143	41	34	0	3,809
Rate*	15.3	15.0	16.2	15.8	---	14.7
95% C.I.	(13.30-17.38)	(12.56-17.48)	(11.24-21.16)	(10.46-21.06)	---	(14.3-15.2)
55-64	353	250	56	47	0	4,312
Rate*	34.3	35.4	34.1	29.6	---	27.3
95% C.I.	(30.74-37.90)	(31.05-39.84)	(25.15-42.99)	(21.14-38.07)	---	(26.5-28.1)
65-74	286	202	39	45	0	4,324
Rate*	41.6	42.9	37.3	40.1	---	39.0
95% C.I.	(36.76-46.40)	(36.96-48.78)	(25.62-49.06)	(28.40-51.84)	---	(37.9-40.2)
75-84	158	106	25	27	0	3,224
Rate*	40.3	39.9	40.7	41.3	---	42.2
95% C.I.	(34.00-46.56)	(32.34-47.54)	(24.72-56.60)	(25.73-56.89)	---	(40.8-43.7)
85+	36	21	10	5	0	1,093
Rate*	40.9	37.8	60.2	---	---	40.8
95% C.I.	(27.55-54.28)	(21.61-53.90)	(22.88-97.50)	---	---	(38.4-43.3)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 194. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	37	14.6	(9.91-19.33)	12.5	(8.8-17.3)
Churchill	22	17.9	(10.42-25.38)	18.1	(11.3-28.0)
Clark	790	10.8	(10.03-11.53)	11.3	(10.5-12.1)
Douglas	17	7.9	(4.16-11.70)	6.0	(3.4-9.9)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	7	---	---	---	---
Lander	2	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	29	15.6	(9.95-21.34)	13.0	(8.7-19.0)
Mineral	3	---	---	---	---
Nye	25	14.8	(8.97-20.53)	10.7	(6.7-16.8)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	183	10.5	(8.96-11.99)	11.1	(9.5-12.8)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	1,141	10.9	(10.24-11.50)	11.1	(10.5-11.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 195. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	717	277	0	994
	Rate*	17.8	6.7	---	12.1
	95% C.I.	(16.5-19.3)	(5.9-7.5)	---	(11.4-12.9)
Black	Incidence	34	16	0	50
	Rate*	13.3	5.8	---	9.2
	95% C.I.	(8.7-21.5)	(3.3-9.8)	---	(6.7-12.6)
Native American	Incidence	0	0	0	0
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	24	13	0	37
	Rate*	12.9	3.8	---	7.6
	95% C.I.	(7.2-24.3)	(2.0-6.6)	---	(5.0-12.4)
Hispanic	Incidence	24	10	0	34
	Rate*	4.5	2.1	---	3.3
	95% C.I.	(2.7-7.7)	(0.9-4.6)	---	(2.2-5.1)
Other/Unknown		20	6	0	26
Total	Incidence	819	322	0	1,141
	Rate*	16.5	6.2	---	11.1
	95% C.I.	(15.3-17.7)	(5.5-6.9)	---	(10.5-11.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 196. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	4	1	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	5	0	6
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	5	0	15
Rate*	1.23	---	---	0.96
95% C.I.	(0.47-1.99)	---	---	(0.47-1.45)
35-44	46	18	0	64
Rate*	5.36	2.26	---	3.87
95% C.I.	(3.81-6.91)	(1.22-3.30)	---	(2.92-4.81)
45-54	169	49	0	218
Rate*	23.47	6.99	---	15.34
95% C.I.	(19.93-27.01)	(5.03-8.95)	---	(13.30-17.38)
55-64	277	76	0	353
Rate*	54.52	14.60	---	34.32
95% C.I.	(48.10-60.95)	(11.32-17.89)	---	(30.74-37.90)
65-74	193	93	0	286
Rate*	56.87	26.69	---	41.58
95% C.I.	(48.85-64.90)	(21.26-32.11)	---	(36.76-46.40)
75-84	96	62	0	158
Rate*	54.16	28.84	---	40.28
95% C.I.	(43.32-64.99)	(21.66-36.02)	---	(34.00-46.56)
85+	23	13	0	36
Rate*	79.08	22.07	---	40.92
95% C.I.	(46.76-111.40)	(10.07-34.07)	---	(27.55-54.28)
Unknown	0	0	0	0
Total	819	322	0	1,141
Rate*	15.35	6.24	---	10.87
95% C.I.	(14.30-16.40)	(5.56-6.92)	---	(10.24-11.50)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 197. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	2	3	0	0	5
	Percent	---	40.0%	60.0%	---	---	100.0%
15-24	Number	---	3	3	0	0	6
	Percent	---	50.0%	50.0%	---	---	100.0%
25-34	Number	---	6	4	2	3	15
	Percent	---	40.0%	26.7%	13.3%	20.0%	100.0%
35-44	Number	---	24	21	6	13	64
	Percent	---	37.5%	32.8%	9.4%	20.3%	100.0%
45-54	Number	---	60	94	15	49	218
	Percent	---	27.5%	43.1%	6.9%	22.5%	100.0%
55-64	Number	---	120	130	39	64	353
	Percent	---	34.0%	36.8%	11.0%	18.1%	100.0%
65-74	Number	---	90	118	26	52	286
	Percent	---	31.5%	41.3%	9.1%	18.2%	100.0%
75-84	Number	---	46	52	15	45	158
	Percent	---	29.1%	32.9%	9.5%	28.5%	100.0%
85+	Number	---	9	12	2	13	36
	Percent	---	25.0%	33.3%	5.6%	36.1%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	360	437	105	239	1,141
	Percent	---	31.6%	38.3%	9.2%	20.9%	100.0%

Table 198. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	314	12	0	10	12	12	360
	Percent	31.6%	24.0%	---	27.0%	35.3%	46.2%	31.6%
Regional	Number	386	21	0	15	11	4	437
	Percent	38.8%	42.0%	---	40.5%	32.4%	15.4%	38.3%
Distant	Number	90	5	0	6	4	0	105
	Percent	9.1%	10.0%	---	16.2%	11.8%	---	9.2%
Unstaged	Number	204	12	0	6	7	10	239
	Percent	20.5%	24.0%	---	16.2%	20.6%	38.5%	20.9%
Total	Number	994	50	0	37	34	26	1,141
	Percent	100.0%	100.0%	---	100.0%	100.0%	100.0%	100.0%

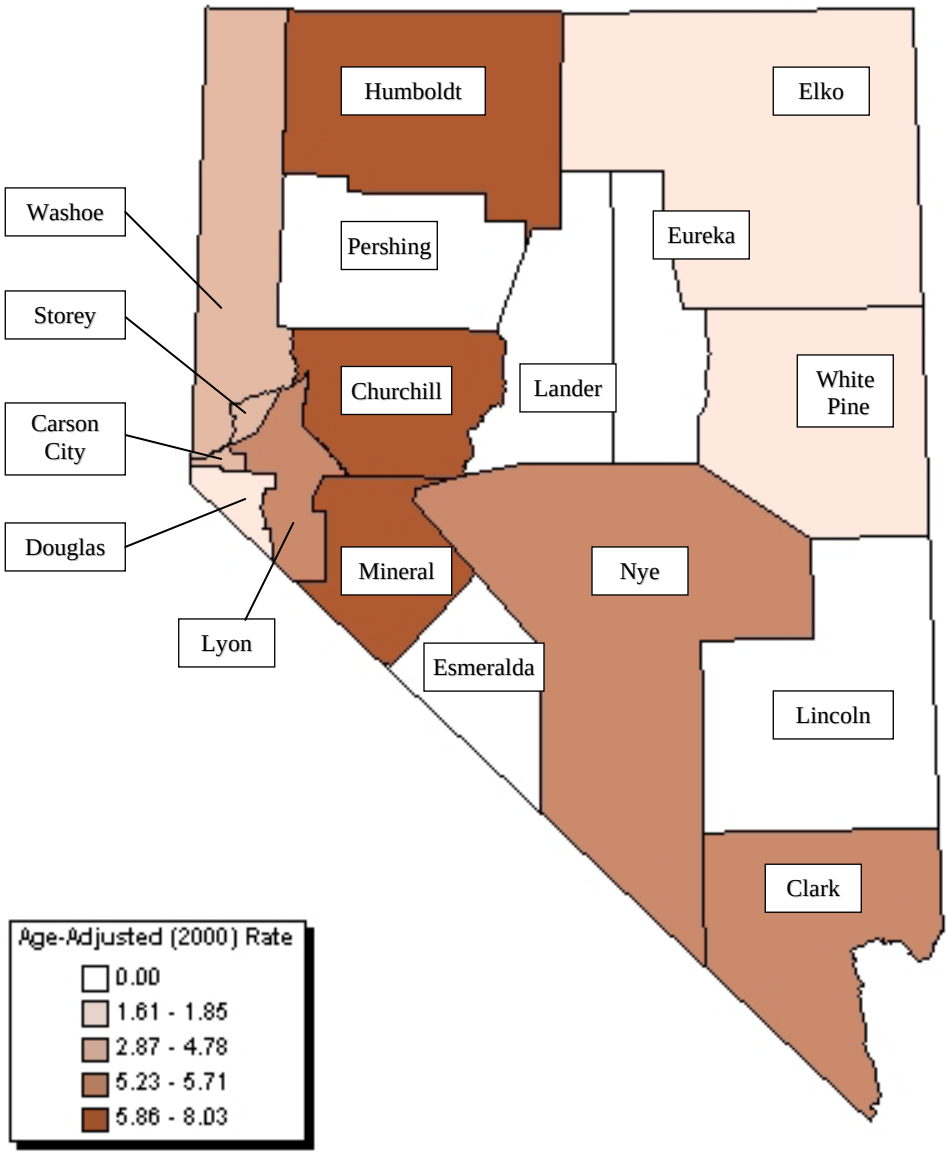
Table 199. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	717	62.0	277	65.0	994	63.0
Black	34	57.0	16	63.0	50	58.0
Native American	0	---	0	---	0	---
Asian	24	54.5	13	54.0	37	54.0
Hispanic	24	50.5	10	51.5	34	50.5
Other/Unknown	20	60.5	6	70.5	26	61.0
Total	819	61.0	322	65.0	1,141	62.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 131. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 132. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

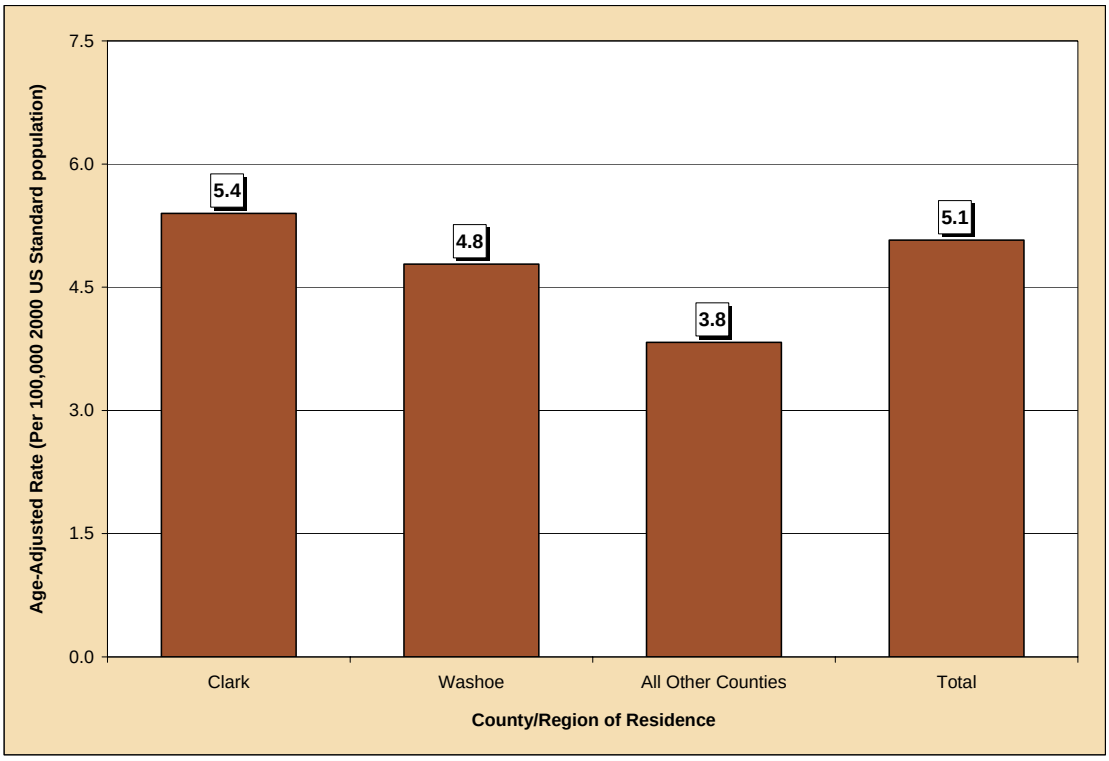


Figure 133. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

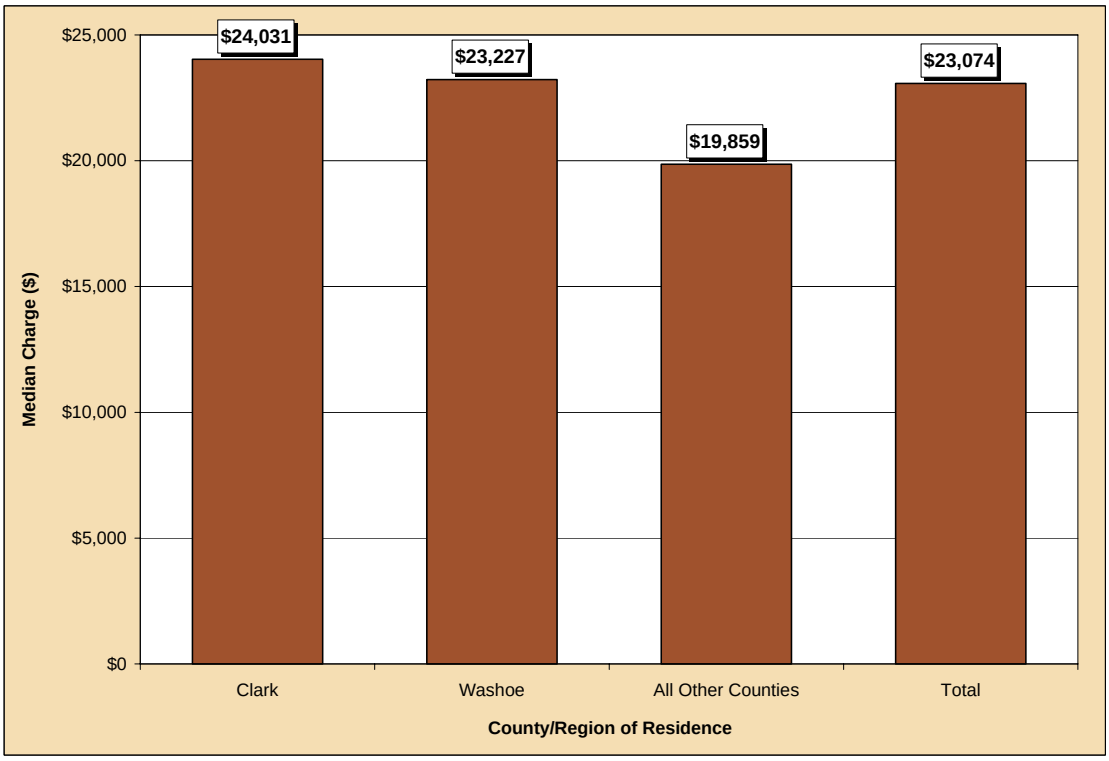


Figure 134. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

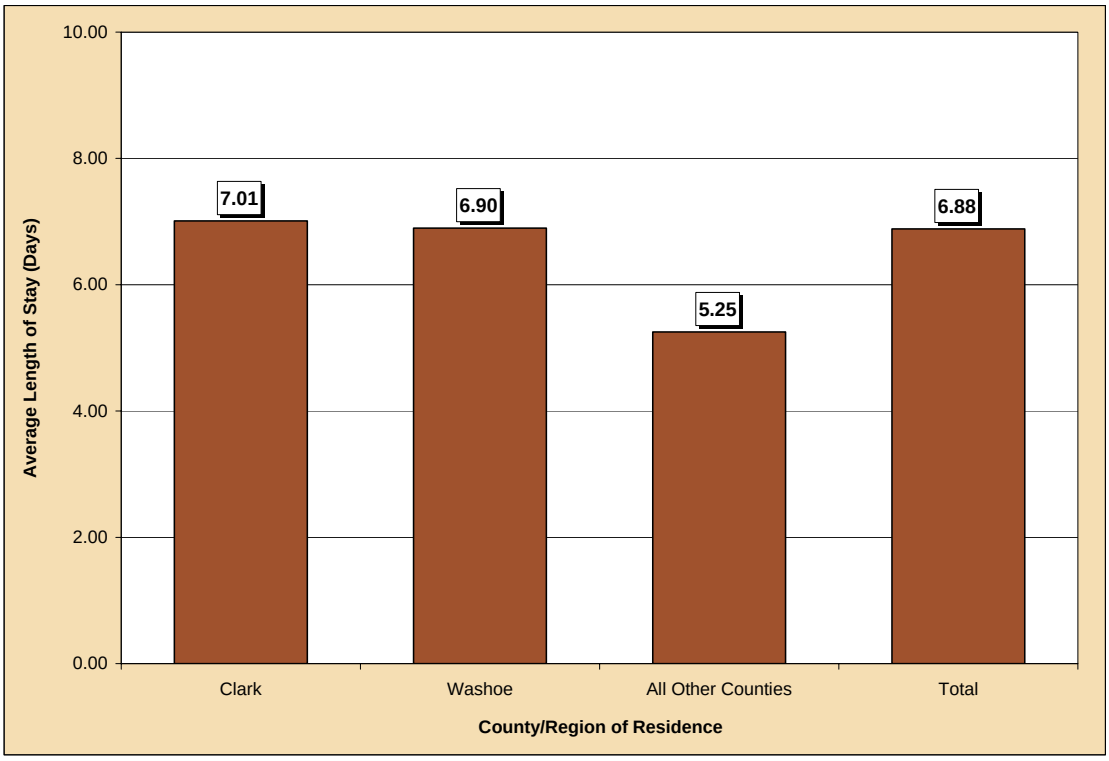


Table 200. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	530	387	78	63	2
Rate*	5.1	5.4	4.8	3.8	---
95% C.I.	(4.6-5.5)	(4.9-6.0)	(3.8-6.0)	(2.9-5.0)	---
Gender					
Male	368	272	49	45	2
Rate*	7.2	7.7	6.2	5.5	---
95% C.I.	(6.4-8.0)	(6.8-8.8)	(4.5-8.5)	(4.0-7.7)	---
Female	162	115	29	18	0
Rate*	3.1	3.2	3.5	2.2	---
95% C.I.	(2.6-3.6)	(2.6-3.9)	(2.3-5.0)	(1.3-3.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$21,439,623	$16,253,233	$2,689,883	$1,913,012	---
Average Charges	$40,452	$41,998	$34,486	$30,365	---
Median Charges	$23,074	$24,031	$23,227	$19,859	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,649	2,713	538	331	---
Average LOS	6.9	7.0	6.9	5.3	---
Median LOS	4.0	4.0	5.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 201. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	530	387	78	63
Rate*	5.0	5.3	4.5	4.4
95% C.I.	(4.62-5.48)	(4.76-5.81)	(3.47-5.45)	(3.34-5.52)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	5	5	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	31	25	4	2
Rate*	1.9	2.2	---	---
95% C.I.	(1.21-2.53)	(1.32-3.03)	---	---
45-54	89	64	11	14
Rate*	6.3	6.7	4.4	6.5
95% C.I.	(4.96-7.56)	(5.07-8.37)	(1.78-6.91)	(3.09-9.89)
55-64	179	128	23	27
Rate*	17.4	18.2	14.0	17.0
95% C.I.	(14.85-19.95)	(15.00-21.29)	(8.27-19.71)	(10.59-23.42)
65-74	147	113	22	11
Rate*	21.4	24.0	21.1	9.8
95% C.I.	(17.92-24.83)	(19.56-28.40)	(12.26-29.87)	(4.01-15.60)
75-84	62	41	14	7
Rate*	15.8	15.5	22.8	---
95% C.I.	(11.87-19.74)	(10.72-20.18)	(10.84-34.70)	---
85+	10	5	3	2
Rate*	11.4	---	---	---
95% C.I.	(4.32-18.41)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 202. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
5-14	2	1	3
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	2	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
35-44	22	9	31
Rate*	2.56	---	1.87
95% C.I.	(1.49-3.63)	---	(1.21-2.53)
45-54	72	17	89
Rate*	10.00	2.43	6.26
95% C.I.	(7.69-12.31)	(1.27-3.58)	(4.96-7.56)
55-64	140	39	179
Rate*	27.56	7.49	17.40
95% C.I.	(22.99-32.12)	(5.14-9.85)	(14.85-19.95)
65-74	94	53	147
Rate*	27.70	15.21	21.37
95% C.I.	(22.10-33.30)	(11.11-19.30)	(17.92-24.83)
75-84	26	36	62
Rate*	14.67	16.75	15.81
95% C.I.	(9.03-20.31)	(11.28-22.22)	(11.87-19.74)
85+	7	3	10
Rate*	---	---	11.37
95% C.I.	---	---	(4.32-18.41)
Unknown	0	0	0
Total	368	162	530
Rate*	6.90	3.14	5.05
95% C.I.	(6.19-7.60)	(2.65-3.62)	(4.62-5.48)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 203. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	12	4.7	(2.06-7.43)	3.9	(2.0-6.9)
Churchill	7	---	---	---	---
Clark	387	5.3	(4.76-5.81)	5.4	(4.9-6.0)
Douglas	5	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	7	---	---	---	---
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	13	7.0	(3.20-10.82)	5.7	(3.0-9.9)
Mineral	2	---	---	---	---
Nye	12	7.1	(3.07-11.09)	5.2	(2.6-10.3)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	78	4.5	(3.47-5.45)	4.8	(3.8-6.0)
White Pine	1	---	---	---	---
Unknown	2	---	---	---	---
Total	530	5.0	(4.62-5.48)	5.1	(4.6-5.5)

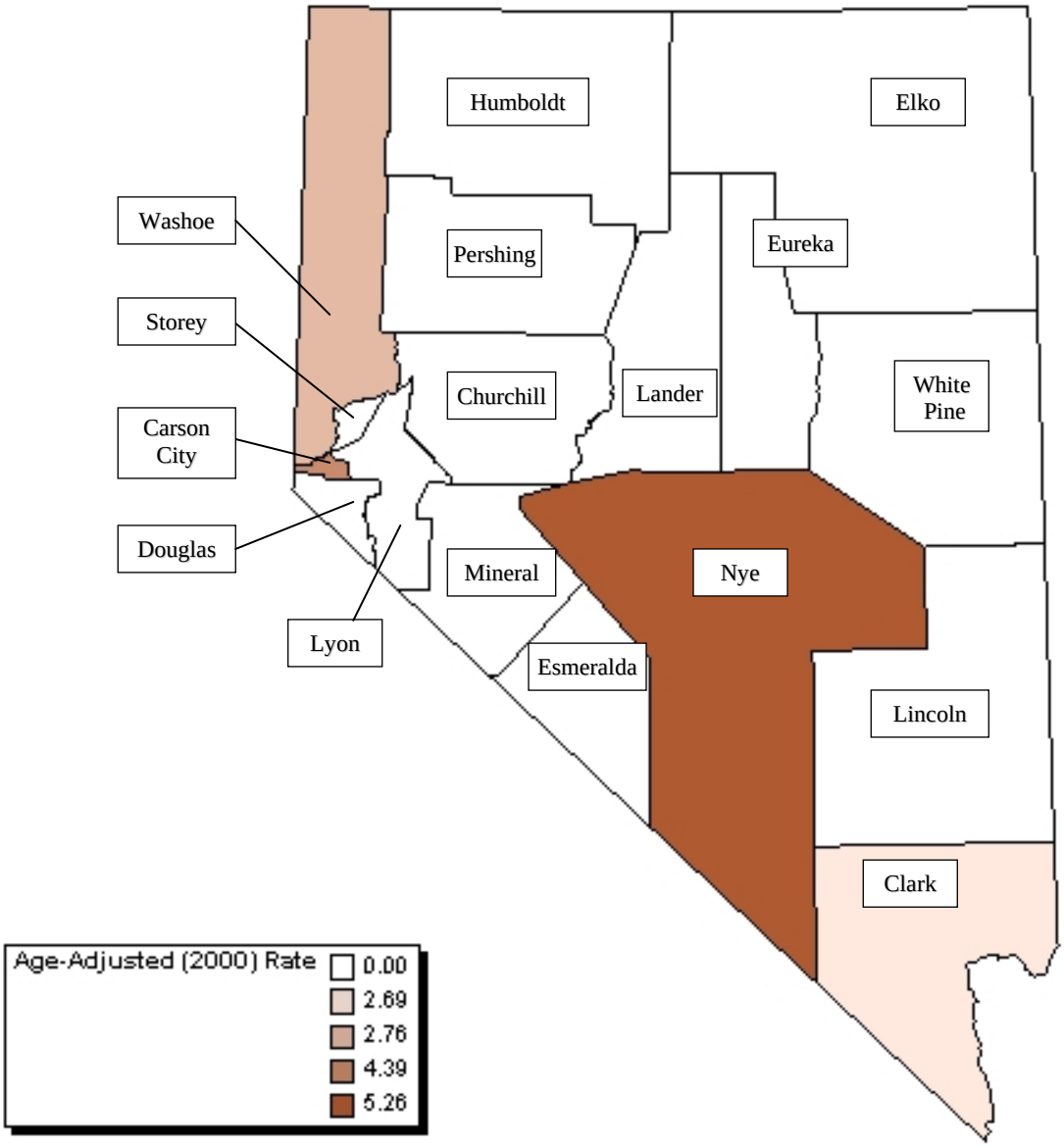
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 204. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	1	---	---	---	---	---	---
5-14	3	---	---	---	---	---	---
15-24	3	---	---	---	---	---	---
25-34	5	---	---	---	---	---	---
35-44	31	793,245	25,589	19,429	155	5.0	3.0
45-54	89	3,223,672	36,221	22,218	522	5.9	4.0
55-64	179	8,018,065	44,794	23,066	1,487	8.3	4.0
65-74	147	6,481,332	44,091	24,822	965	6.6	4.0
75-84	62	2,116,523	34,137	21,158	358	5.8	4.0
85+	10	---	---	---	---	---	---
Unknown	0	---	---	---	---	---	---
Total	530	21,439,623	40,452	23,074	3,649	6.9	4.0

MORTALITY

Figure 135. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 136. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

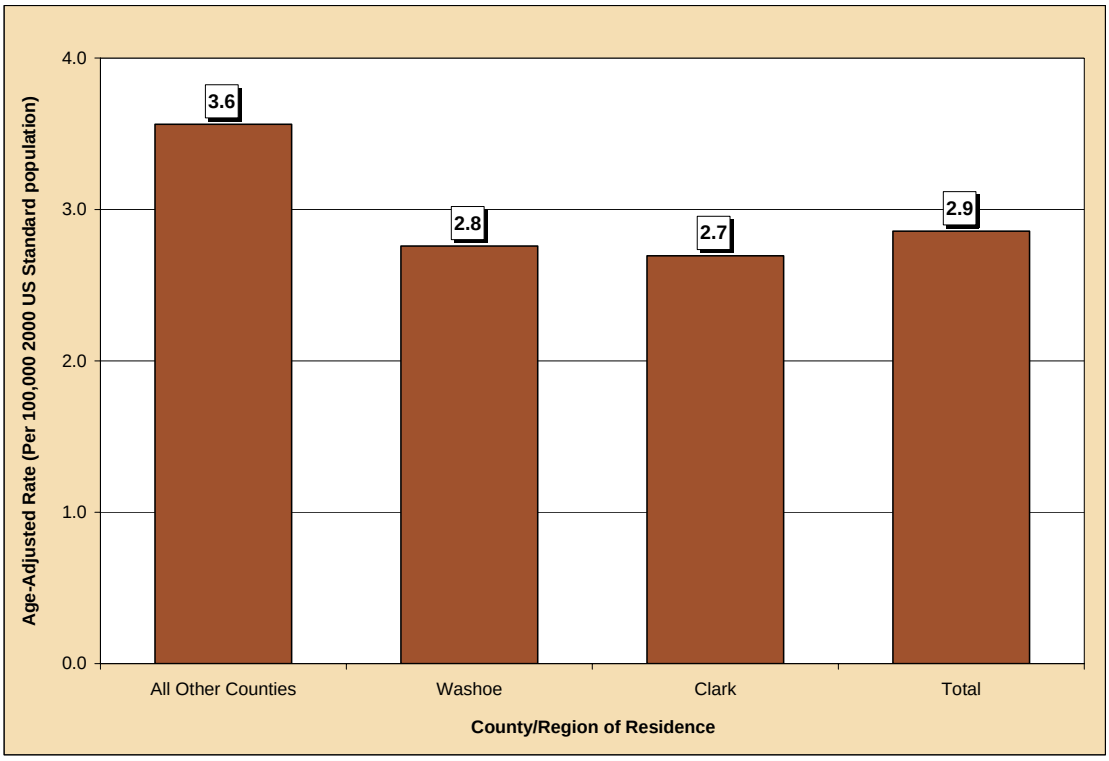


Figure 137. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

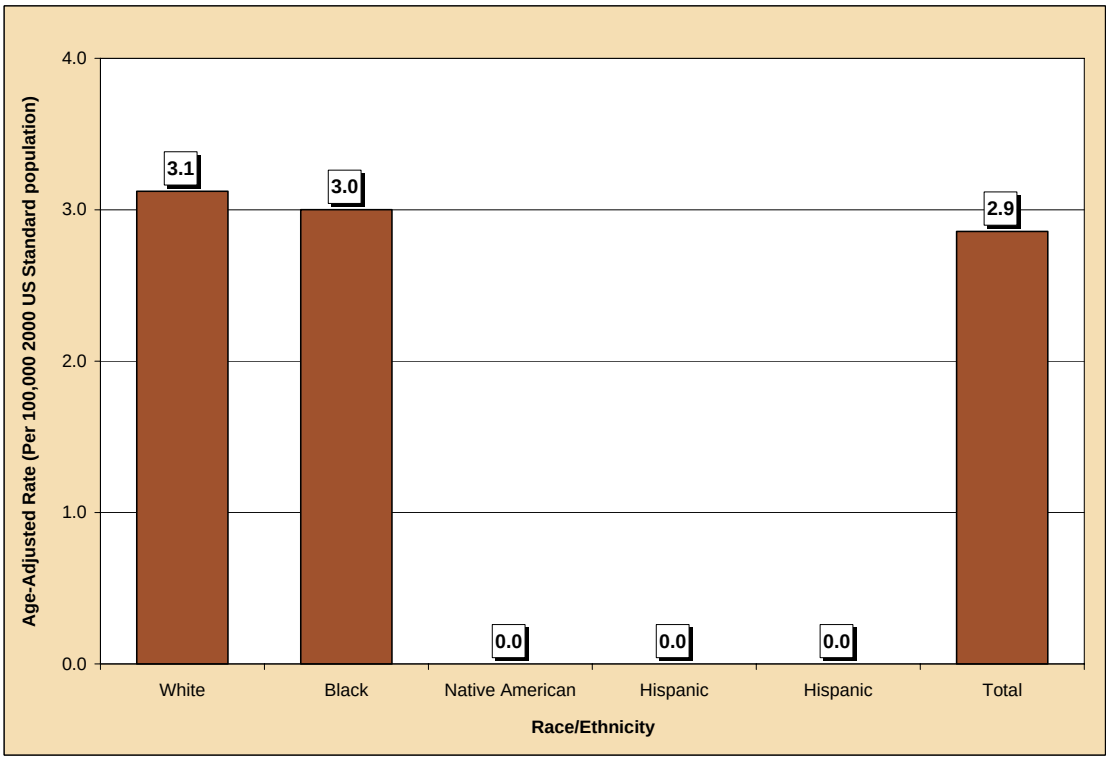


Table 205. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	277	181	41	55
Rate*	2.9	2.7	2.8	3.6
95% C.I.	(2.5-3.2)	(2.3-3.1)	(2.0-3.8)	(2.7-4.7)
Gender				
Male	190	190	190	190
Rate*	4.1	3.9	3.3	5.6
95% C.I.	(3.5-4.8)	(3.2-4.8)	(2.1-5.2)	(4.0-7.8)
Female	87	87	87	87
Rate*	1.8	1.7	2.2	1.6
95% C.I.	(1.4-2.2)	(1.3-2.2)	(1.3-3.5)	(0.8-2.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	249	159	36	54
Rate*	3.1	3.0	2.8	3.8
95% C.I.	(2.7-3.6)	(2.5-3.5)	(1.9-3.9)	(2.9-5.1)
Black	15	13	2	0
Rate*	3.0	2.7	---	---
95% C.I.	(1.6-5.1)	(1.4-4.8)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	7	7	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	5	2	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 206. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	277	181	41	55
Rate*	2.9	2.7	2.8	3.6
95% C.I.	(2.5-3.2)	(2.3-3.1)	(2.0-3.8)	(2.7-4.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	5	4	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	29	16	4	9
Rate*	2.0	1.7	---	---
95% C.I.	(1.30-2.78)	(0.86-2.50)	---	---
55-64	66	46	8	12
Rate*	6.4	6.5	---	7.6
95% C.I.	(4.87-7.97)	(4.64-8.41)	---	(3.28-11.83)
65-74	88	61	12	15
Rate*	12.8	12.9	11.5	13.4
95% C.I.	(10.12-15.47)	(9.70-16.19)	(4.99-17.99)	(6.61-20.14)
75-84	67	43	11	13
Rate*	17.1	16.2	17.9	19.9
95% C.I.	(12.99-21.17)	(11.36-21.05)	(7.32-28.46)	(9.08-30.70)
85+	19	8	6	5
Rate*	21.6	---	---	---
95% C.I.	(11.88-31.31)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 207. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	13	5.1	(2.34-7.93)	4.4	(2.3-7.7)
Churchill	2	---	---	---	---
Clark	181	2.5	(2.11-2.83)	2.7	(2.3-3.1)
Douglas	5	---	---	---	---
Elko	5	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	2	---	---	---	---
Lander	0	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	6	---	---	---	---
Mineral	0	---	---	---	---
Nye	11	6.5	(2.65-10.33)	5.3	(2.5-10.5)
Pershing	1	---	---	---	---
Storey	3	---	---	---	---
Washoe	41	2.3	(1.63-3.06)	2.8	(2.0-3.8)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	277	2.6	(2.33-2.95)	2.9	(2.5-3.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 208. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	176	73	0	249
	Rate*	4.6	1.8	---	3.1
	95% C.I.	(3.9-5.4)	(1.4-2.3)	---	(2.7-3.6)
Black	Incidence	8	7	0	15
	Rate*	---	---	---	3.0
	95% C.I.	---	---	---	(1.6-5.1)
Native American	Incidence	0	1	0	1
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	3	4	0	7
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Hispanic	Incidence	3	2	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Other/Unknown		0	0	0	0
Total	Incidence	190	87	0	277
	Rate*	4.1	1.8	---	2.9
	95% C.I.	(3.5-4.8)	(1.4-2.2)	---	(2.5-3.2)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 209. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	1	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
45-54	20	9	29
Rate*	2.78	---	2.04
95% C.I.	(1.56-3.99)	---	(1.30-2.78)
55-64	57	9	66
Rate*	11.22	---	6.42
95% C.I.	(8.31-14.13)	---	(4.87-7.97)
65-74	61	27	88
Rate*	17.98	7.75	12.79
95% C.I.	(13.46-22.49)	(4.83-10.67)	(10.12-15.47)
75-84	37	30	67
Rate*	20.87	13.95	17.08
95% C.I.	(14.15-27.60)	(8.96-18.95)	(12.99-21.17)
85+	10	9	19
Rate*	34.38	---	21.60
95% C.I.	(13.07-55.69)	---	(11.88-31.31)
Unknown	0	0	0
Total	190	87	277
Rate*	3.56	1.69	2.64
95% C.I.	(3.06-4.07)	(1.33-2.04)	(2.33-2.95)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

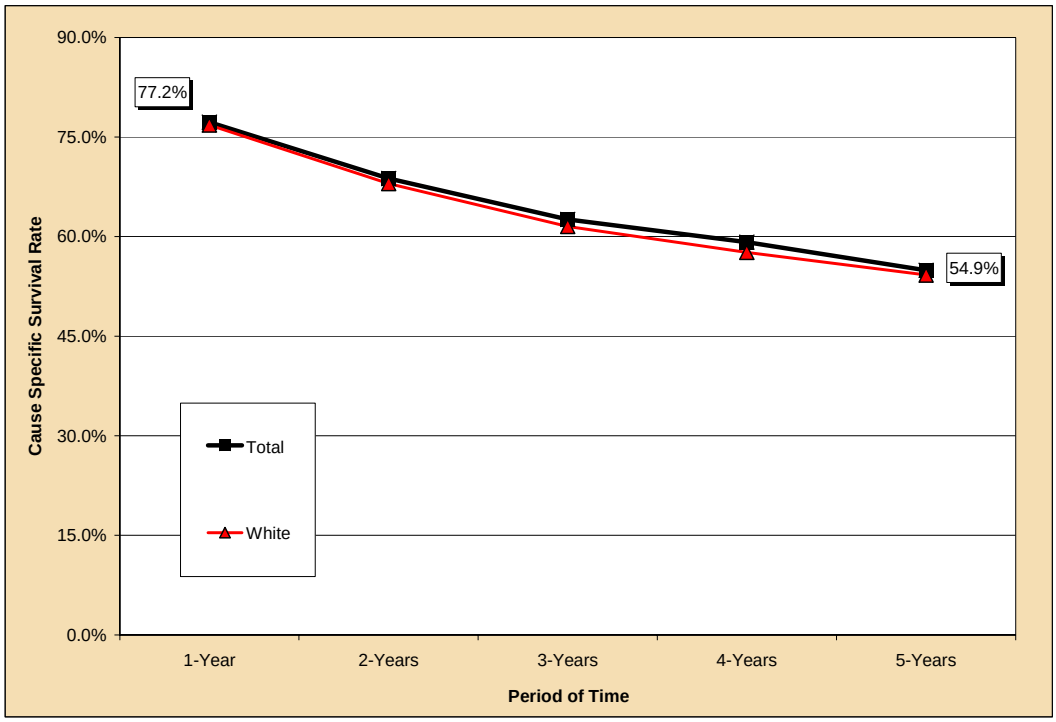
Table 210. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	176	67.0	73	74.0	249	70.0
Black	8	58.5	7	73.0	15	64.0
Native American	0	---	1	---	1	---
Asian	3	---	4	---	7	57.0
Hispanic	3	---	2	---	5	70.0
Other/Unknown	0	---	0	---	0	---
Total	190	67.0	87	72.0	277	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 138. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 139. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

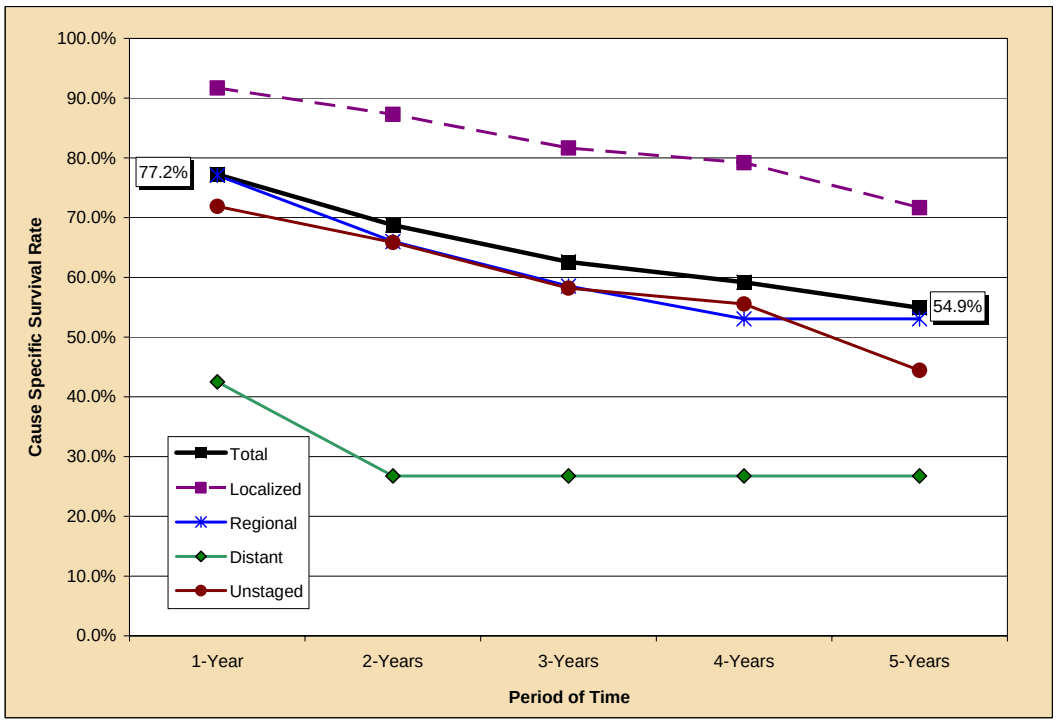


Table 211. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	935	77.2%	68.7%	62.6%	59.2%	54.9%	> 5 YEARS
Male	675	76.4%	68.7%	61.6%	57.4%	55.3%	> 5 YEARS
Female	260	79.3%	69.0%	65.1%	63.7%	54.2%	> 5 YEARS
Race/Ethnicity							
White	803	76.8%	68.0%	61.5%	57.6%	54.2%	> 5 YEARS
Male	583	75.9%	68.0%	60.7%	56.0%	53.6%	> 5 YEARS
Female	220	79.3%	68.2%	63.7%	62.0%	55.8%	> 5 YEARS
Black	42	---	---	---	---	---	.
Male	29	---	---	---	---	---	.
Female	13	---	---	---	---	---	.
Native American	0	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	34	---	---	---	---	---	.
Male	21	---	---	---	---	---	.
Female	13	---	---	---	---	---	.
Hispanic	32	---	---	---	---	---	.
Male	23	---	---	---	---	---	.
Female	9	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 212. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	935	675	260
	One Year	77.2%	76.4%	79.3%
	5 Years	54.9%	55.3%	54.2%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	296	200	96
	One Year	91.7%	91.6%	91.9%
	5 Years	71.6%	75.7%	64.6%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	368	273	95
	One Year	77.1%	75.2%	82.5%
	5 Years	53.1%	49.8%	64.9%
	Median Survival	> 5 YEARS	3.97	> 5 YEARS
Distant	Cases	87	67	20
	One Year	42.5%	43.1%	---
	5 Years	26.8%	29.4%	---
	Median Survival	0.87	0.88	.
Unstaged	Cases	184	135	49
	One Year	71.9%	74.4%	---
	5 Years	44.4%	52.3%	---
	Median Survival	4.50	> 5 YEARS	.

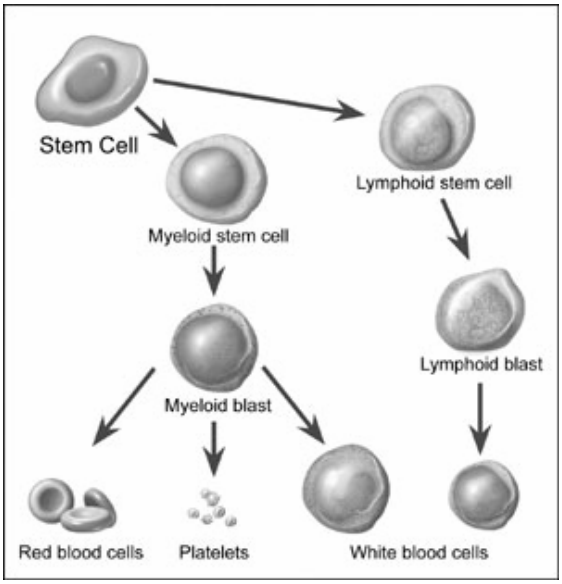
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LEUKEMIA

LEUKEMIA

GENERAL PROFILE[4]

Figure 140. Anatomy of Stem Cell Maturation



General Anatomy: Blood cells form in the bone marrow, which is the soft material in the center of most bones. Immature blood cells are called stem cells and blasts. Most blood cells mature in the bone marrow and then move into the blood vessels. The bone marrow makes different types of blood cells; each with a special function: White blood cells fight infection, red blood cells carry oxygen to body tissues, and platelets help form blood clots to speed healing. In people with leukemia, the bone marrow produces abnormal white blood cells. At first, leukemia cells function almost normally. In time, they may crowd out normal white blood cells, red blood cells, and platelets.

Risk Factors: Very high levels of radiation, working with certain chemicals (e.g. Benzene, Formaldehyde), chemotherapy, down syndrome, human T-cell leukemia virus-I (HTLV-I), and myelodysplastic syndrome.

Signs and Symptoms: Fevers or night sweats, frequent infections, feeling weak or tired, headache, bleeding and bruising easily (bleeding gums, purplish patches in the skin, or tiny red spots under the skin), pain in the bones or joints, swelling or discomfort in the abdomen (from an enlarged spleen), swollen lymph nodes, especially in the neck or armpit, and weight loss.

Diagnosing the Cancer: Health exams, blood tests (High level of white blood cells, low levels of red blood cells and platelets), bone marrow aspiration, bone marrow biopsy, cytogenetics, spinal tap, and chest x-ray.

Treatment: chemotherapy (intrathecal), biological therapy, radiation therapy, or stem cell transplantation (Bone Marrow, Peripheral stem cell and Umbilical cord blood transplantations).

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.8, to the age-adjusted mortality rate, 7.3 (per 100,000 – 2000 US Standard population), for Leukemia was 1.62 during the 1999 to 2003 period, which means that for every 162 Leukemia cases during this period, there was 100 Leukemia deaths in Nevada.

- Nevadan females had a slighlty higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Leukemia were compared. For every 100 female deaths due to Leukemia there were 165 female cases while only 161 male cases for every 100 male Leukemia deaths in Nevada from 1999 to 2003.

- The median age at diagnosis of Leukemia was 68 years of age for Nevada residents from 1999 to 2003; the median age at time of death was 72 years.

INCIDENCE

- There were 1,131 cases of Leukemia in Nevada from 1999 to 2003. While regional comparisons showed Clark County (12.7) as having a higher incidence rate than All Other Counties (10.9), Washoe County (9.8) and the national (1998-2002) incidence rate 12.2 (per 100,000 – 2000 US Standard population) from 1999 to 2003, statistical analysis shows a significant difference only for the Washoe County region.

- The age-adjusted incidence rate for male Leukemia, 14.8 (13.6-16.1), was statistically significant over the rate for females, 9.4 (8.5-10.3), during the 1999 to 2003 period.

- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate (12.6) from Leukemia during the 1999 to 2003 period. They were followed by Blacks, Asians and Hispanics, who had rates of 11.0, 7.0. 6.0, (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- Statistical regional comparisons indicate that Clark County had the highest age-adjusted inpatient discharge rate for Leukemia, 11.2 (10.4-12.0), and was followed by All Other Counties, 9.3 (7.8-11.1), and Washoe County, 8.5 (7.1-10.1), per 100,000 – 2000 US Standard population) from 1999 to 2003.

- Clark County had the highest median total charge ($43,569) for Leukemia that was considerably higher than the median billed charges for All Other Counties ($22,666) and Washoe County ($20,225), as a region, during the 1999 to 2003 period.

- Total billed charges for hospital inpatient discharges from Leukemia in Nevada totaled approximately 83.3 million dollars from 1999 to 2003. The overall average billed charge per day for an inpatient hospital discharge for Leukemia was approximately $5,817 in Nevada during this time.

MORTALITY

- There were 667 Leukemia deaths from 1999 to 2003. While All Other Counties, as a region, had a higher age-adjusted mortality rate, 8.5, than Clark County, 7.2 and Washoe County, 7.5 (per 100,000 – 2000 US Standard population), none of the rates show that there is any statistically significant difference that exists between the three regions.

- Males had a statistically higher age-adjusted mortality rate due to Leukemia, 9.2 (8.2-10.2), than their female counterparts' rate of 5.7 (5.0-6.4), in Nevada from 1999 to 2003.

SURVIVAL RATE

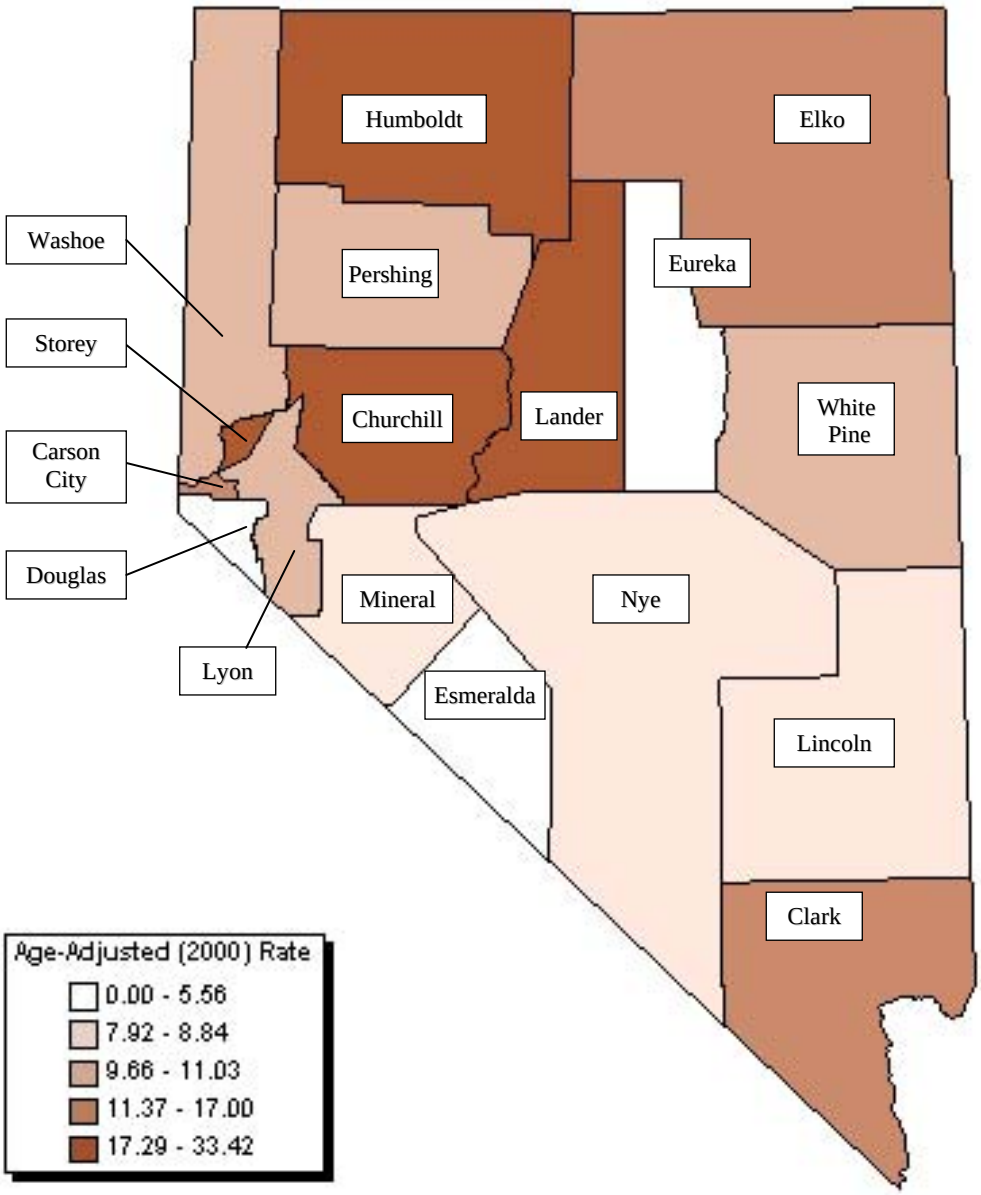
- The one-year survival rate for Leukemia in Nevada was 59.6% during the 1999 to 2003 period, while the five-year survival rate was 38.6% during this same time. The median survival rate in Nevada for Leukemia was 2.45 years.

- Females in Nevada diagnosed with Leukemia had a slightly higher one-year survival rate (61.2%) than males (58.7%) during the 1999 to 2003 period, and this difference remained at the five-year survival rate (41.3%) when compared to the rate for males (35.4%) during this time.

- Nevadan males' median survival time for Leukemia was 2.11 years versus 2.78 years for their female counterparts during the 1999 to 2003 period.

INCIDENCE

Figure 141. Leukemia Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 142. Leukemia Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

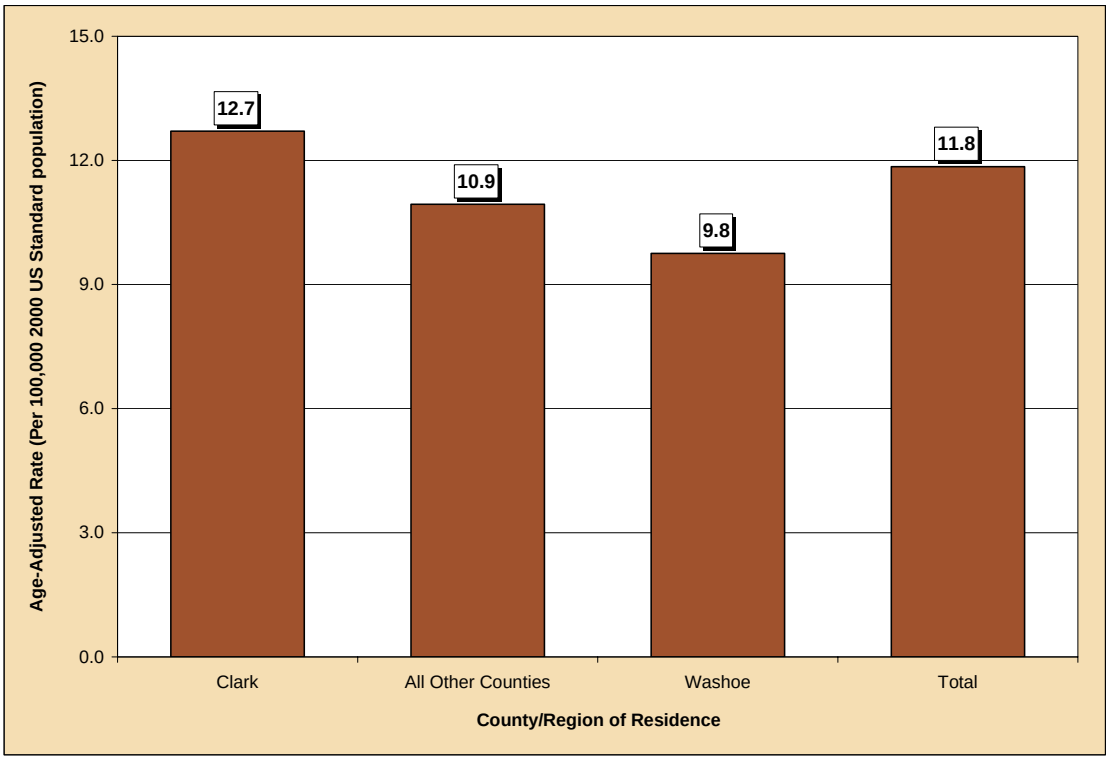


Figure 143. Leukemia Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

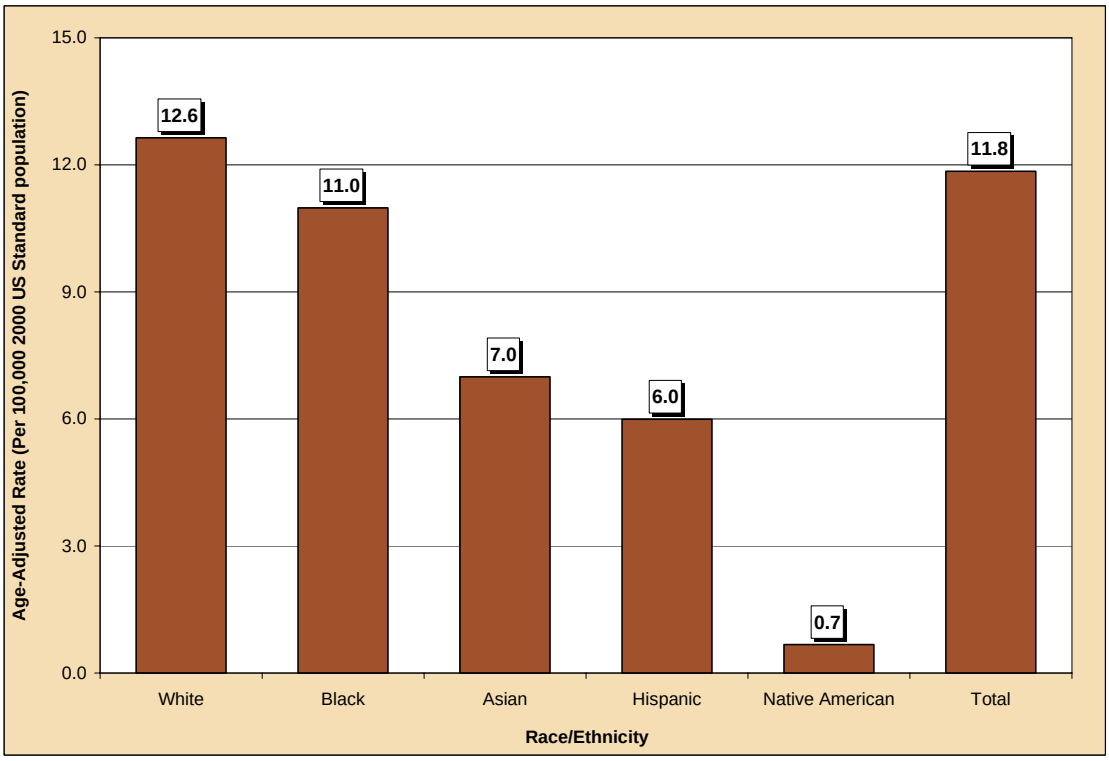


Table 213. Leukemia Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,131	820	152	158	1	21,832
Rate*	11.8	11.8	11.8	11.8	---	12.2
95% C.I.	(11.2-12.6)	(11.2-12.6)	(11.2-12.6)	(11.2-12.6)	---	(12.0-12.3)
Gender						
Male	664	664	664	664	1	12,187
Rate*	14.8	14.8	14.8	14.8	---	15.9
95% C.I.	(13.6-16.1)	(13.6-16.1)	(13.6-16.1)	(13.6-16.1)	---	(15.6-16.2)
Female	466	466	466	466	0	9,205
Rate*	9.4	9.4	9.4	9.4	---	9.4
95% C.I.	(8.5-10.3)	(8.5-10.3)	(8.5-10.3)	(8.5-10.3)	---	(9.2-9.6)
Other/Unknown	1	0	0	1	0	0
Race/Ethnicity						
White	951	669	134	148	0	18,176
Rate*	12.6	12.6	12.6	12.6	---	12.9
95% C.I.	(11.8-13.5)	(11.8-13.5)	(11.8-13.5)	(11.8-13.5)	---	(12.7-13.1)
Black	54	49	3	2	0	1,530
Rate*	11.0	11.0	---	---	---	9.9
95% C.I.	(8.0-15.0)	(8.0-15.0)	---	---	---	(9.4-10.5)
Native American	1	0	0	1	0	112
Rate*	---	---	---	---	---	5.0
95% C.I.	---	---	---	---	---	(4.0-4.0)
Asian	29	25	4	0	0	1,376
Rate*	7.0	7.0	---	---	---	7.5
95% C.I.	(4.1-12.1)	(4.1-12.1)	---	---	---	(7.1-8.0)
Hispanic	70	53	9	7	1	2,307
Rate*	6.0	6.0	---	---	---	9.1
95% C.I.	(4.3-8.7)	(4.3-8.7)	---	---	---	(8.7-9.6)
Other/Unknown	26	24	2	0	0	224

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 214. Leukemia Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,131	820	152	158	1	21,832
Rate*	11.8	12.7	9.8	10.9	---	12.2
95% C.I.	(11.2-12.6)	(11.8-13.7)	(8.2-11.5)	(9.1-13.8)	---	(12.0-12.3)
Age Group						
<1	5	3	1	1	0	122
Rate*	---	---	---	---	---	4.3
95% C.I.	---	---	---	---	---	(3.6-5.2)
1-4	39	27	5	7	0	965
Rate*	6.4	6.2	---	---	---	8.7
95% C.I.	(4.40-8.42)	(3.83-8.47)	---	---	---	(8.2-9.3)
5-14	33	21	8	4	0	989
Rate*	2.2	2.0	---	---	---	3.4
95% C.I.	(1.46-2.96)	(1.15-2.88)	---	---	---	(3.2-3.7)
15-24	26	18	3	5	0	708
Rate*	1.8	1.7	---	---	---	2.7
95% C.I.	(1.08-2.42)	(0.93-2.54)	---	---	---	(2.5-2.9)
25-34	36	27	4	4	1	838
Rate*	2.3	2.4	---	---	---	2.8
95% C.I.	(1.55-3.06)	(1.46-3.24)	---	---	---	(2.6-3.0)
35-44	66	50	11	5	0	1,283
Rate*	4.0	4.4	3.9	---	---	4.1
95% C.I.	(3.03-4.95)	(3.14-5.56)	(1.59-6.17)	---	---	(3.9-4.3)
45-54	94	63	14	17	0	2,121
Rate*	6.6	6.6	5.5	7.9	---	8.2
95% C.I.	(5.28-7.95)	(4.98-8.25)	(2.63-8.43)	(4.13-11.63)	---	(7.9-8.6)
55-64	190	142	25	23	0	3,038
Rate*	18.5	20.1	15.2	14.5	---	19.3
95% C.I.	(15.85-21.10)	(16.82-23.44)	(9.25-21.17)	(8.57-20.41)	---	(18.6-20.0)
65-74	282	205	34	43	0	4,480
Rate*	41.0	43.5	32.6	38.3	---	40.5
95% C.I.	(36.21-45.78)	(37.55-49.46)	(21.61-43.50)	(26.88-49.79)	---	(39.3-41.7)
75-84	271	195	37	39	0	5,075
Rate*	69.1	73.5	60.2	59.7	---	66.3
95% C.I.	(60.86-77.32)	(63.16-83.79)	(40.78-79.56)	(40.94-78.40)	---	(64.5-68.2)
85+	89	69	10	10	0	2,213
Rate*	101.2	124.1	60.2	63.5	---	82.6
95% C.I.	(80.14-122.17)	(94.78-153.33)	(22.88-97.50)	(24.14-102.86)	---	(79.2-86.1)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 215. Leukemia Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	33	13.0	(8.59-17.49)	11.4	(7.8-16.2)
Churchill	22	17.9	(10.42-25.38)	18.2	(11.4-28.2)
Clark	820	11.2	(10.42-11.96)	12.7	(11.8-13.7)
Douglas	14	6.5	(3.11-9.95)	5.6	(2.9-10.2)
Elko	18	7.9	(4.26-11.56)	17.0	(7.0-41.7)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	11	13.6	(5.55-21.60)	17.3	(8.3-32.9)
Lander	4	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	20	10.8	(6.06-15.52)	9.7	(5.9-15.3)
Mineral	3	---	---	---	---
Nye	20	11.8	(6.63-16.97)	7.9	(4.8-12.8)
Pershing	3	---	---	---	---
Storey	3	---	---	---	---
Washoe	152	8.7	(7.32-10.08)	9.8	(8.2-11.5)
White Pine	5	---	---	---	---
Unknown	1	---	---	---	---
Total	1,131	10.8	(10.15-11.40)	11.8	(11.2-12.6)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 216. Leukemia Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	564	386	1	951
	Rate*	15.7	10.0	---	12.6
	95% C.I.	(14.4-17.2)	(9.0-11.1)	---	(11.8-13.5)
Black	Incidence	29	25	0	54
	Rate*	14.7	9.0	---	11.0
	95% C.I.	(8.8-24.4)	(5.6-13.9)	---	(8.0-15.0)
Native American	Incidence	0	1	0	1
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	13	16	0	29
	Rate*	5.5	7.9	---	7.0
	95% C.I.	(2.8-10.2)	(3.7-16.3)	---	(4.1-12.1)
Hispanic	Incidence	44	26	0	70
	Rate*	9.5	3.3	---	6.0
	95% C.I.	(5.8-16.4)	(2.0-5.4)	---	(4.3-8.7)
Other/Unknown		14	12	0	26
Total	Incidence	664	466	1	1,131
	Rate*	14.8	9.4	---	11.8
	95% C.I.	(13.6-16.1)	(8.5-10.3)	---	(11.2-12.6)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 217. Leukemia Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	2	3	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	22	17	0	39
Rate*	7.07	5.71	---	6.41
95% C.I.	(4.12-10.02)	(3.00-8.43)	---	(4.40-8.42)
5-14	16	17	0	33
Rate*	2.08	2.34	---	2.21
95% C.I.	(1.06-3.10)	(1.23-3.46)	---	(1.46-2.96)
15-24	15	11	0	26
Rate*	1.95	1.54	---	1.75
95% C.I.	(0.96-2.93)	(0.63-2.45)	---	(1.08-2.42)
25-34	16	20	0	36
Rate*	1.97	2.67	---	2.31
95% C.I.	(1.00-2.93)	(1.50-3.85)	---	(1.55-3.06)
35-44	36	30	0	66
Rate*	4.19	3.77	---	3.99
95% C.I.	(2.82-5.56)	(2.42-5.11)	---	(3.03-4.95)
45-54	58	36	0	94
Rate*	8.05	5.14	---	6.62
95% C.I.	(5.98-10.13)	(3.46-6.81)	---	(5.28-7.95)
55-64	115	74	1	190
Rate*	22.64	14.22	---	18.47
95% C.I.	(18.50-26.77)	(10.98-17.46)	---	(15.85-21.10)
65-74	186	96	0	282
Rate*	54.81	27.55	---	41.00
95% C.I.	(46.93-62.69)	(22.04-33.06)	---	(36.21-45.78)
75-84	158	113	0	271
Rate*	89.13	52.56	---	69.09
95% C.I.	(75.24-103.03)	(42.87-62.25)	---	(60.86-77.32)
85+	40	49	0	89
Rate*	137.53	83.19	---	101.16
95% C.I.	(94.91-180.15)	(59.90-106.49)	---	(80.14-122.17)
Unknown	0	0	0	0
Total	664	466	1	1,131
Rate*	12.45	9.03	---	10.77
95% C.I.	(11.50-13.39)	(8.21-9.84)	---	(10.15-11.40)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 218. Leukemia Incidence by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	4	1	5
	Percent	---	---	---	80.0%	20.0%	100.0%
1-4	Number	---	0	0	39	0	39
	Percent	---	---	---	100.0%	---	100.0%
5-14	Number	---	0	0	33	0	33
	Percent	---	---	---	100.0%	---	100.0%
15-24	Number	---	0	0	26	0	26
	Percent	---	---	---	100.0%	---	100.0%
25-34	Number	---	0	0	36	0	36
	Percent	---	---	---	100.0%	---	100.0%
35-44	Number	---	0	0	64	2	66
	Percent	---	---	---	97.0%	3.0%	100.0%
45-54	Number	---	0	0	94	0	94
	Percent	---	---	---	100.0%	---	100.0%
55-64	Number	---	0	0	189	1	190
	Percent	---	---	---	99.5%	0.5%	100.0%
65-74	Number	---	0	0	274	8	282
	Percent	---	---	---	97.2%	2.8%	100.0%
75-84	Number	---	0	0	257	14	271
	Percent	---	---	---	94.8%	5.2%	100.0%
85+	Number	---	0	0	82	7	89
	Percent	---	---	---	92.1%	7.9%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	0	0	1,098	33	1,131
	Percent	---	---	---	97.1%	2.9%	100.0%

Table 219. Leukemia Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	72	3	0	0	1	0	76
	Percent	240.0%	150.0%	---	---	100.0%	---	230.3%
Regional	Number	195	13	0	11	16	0	237
	Percent	20.5%	24.1%	---	37.9%	22.9%	---	21.0%
Distant	Number	921	52	1	29	69	26	1,098
	Percent	96.8%	96.3%	100.0%	100.0%	98.6%	100.0%	97.1%
Unstaged	Number	30	2	0	10	1	0	33
	Percent	3.2%	3.7%	---	#DIV/0!	1.4%	---	2.9%
Total	Number	951	54	1	29	70	26	1,131
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

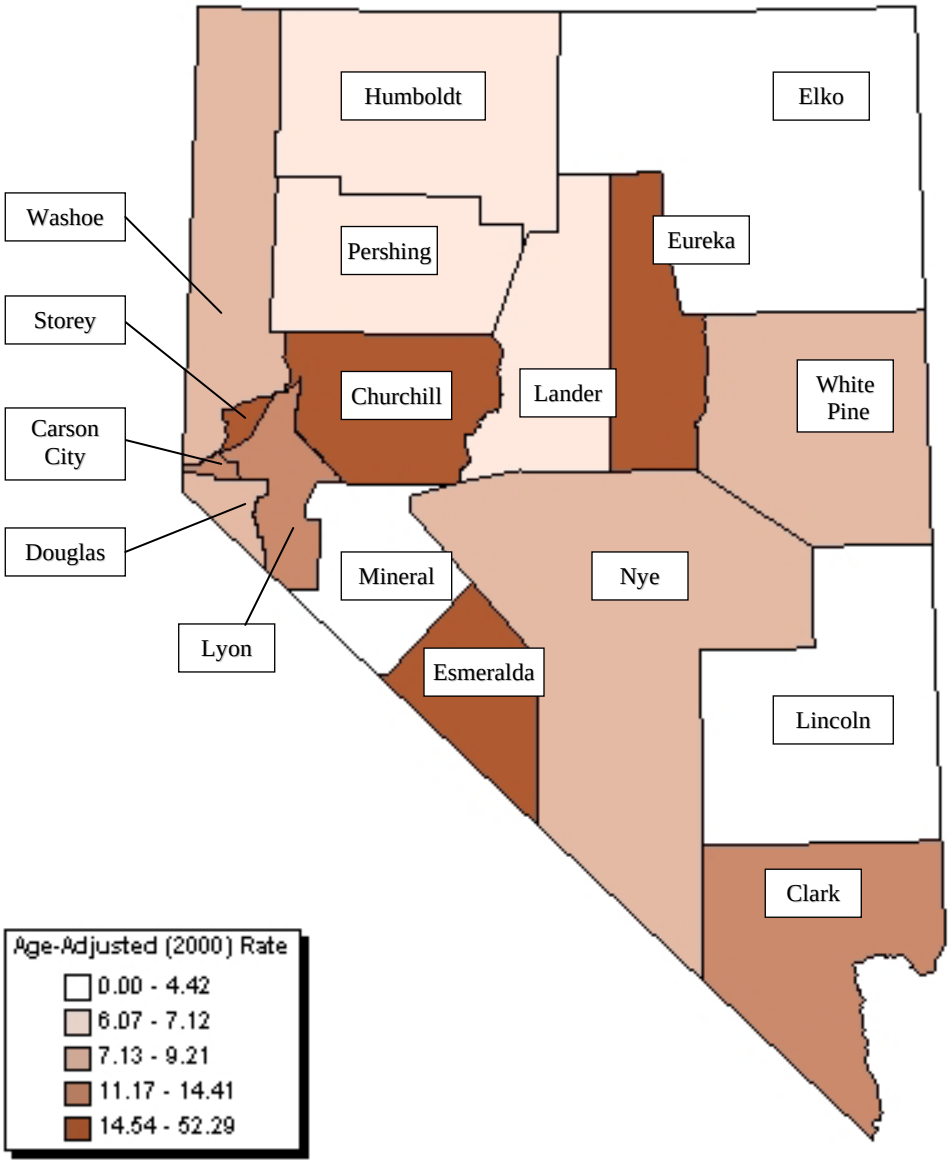
Table 220. Median Age at Diagnosis of Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	564	69.0	386	70.0	950	69.0
Black	29	62.0	25	62.0	54	62.0
Native American	---	---	1	---	1	---
Asian	13	56.0	16	57.5	29	57.0
Hispanic	44	40.0	26	25.5	70	32.5
Other/Unknown	14	63.0	12	63.5	26	63.0
Total	664	68.0	466	67.0	1,130	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 144. Leukemia Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 145. Leukemia Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

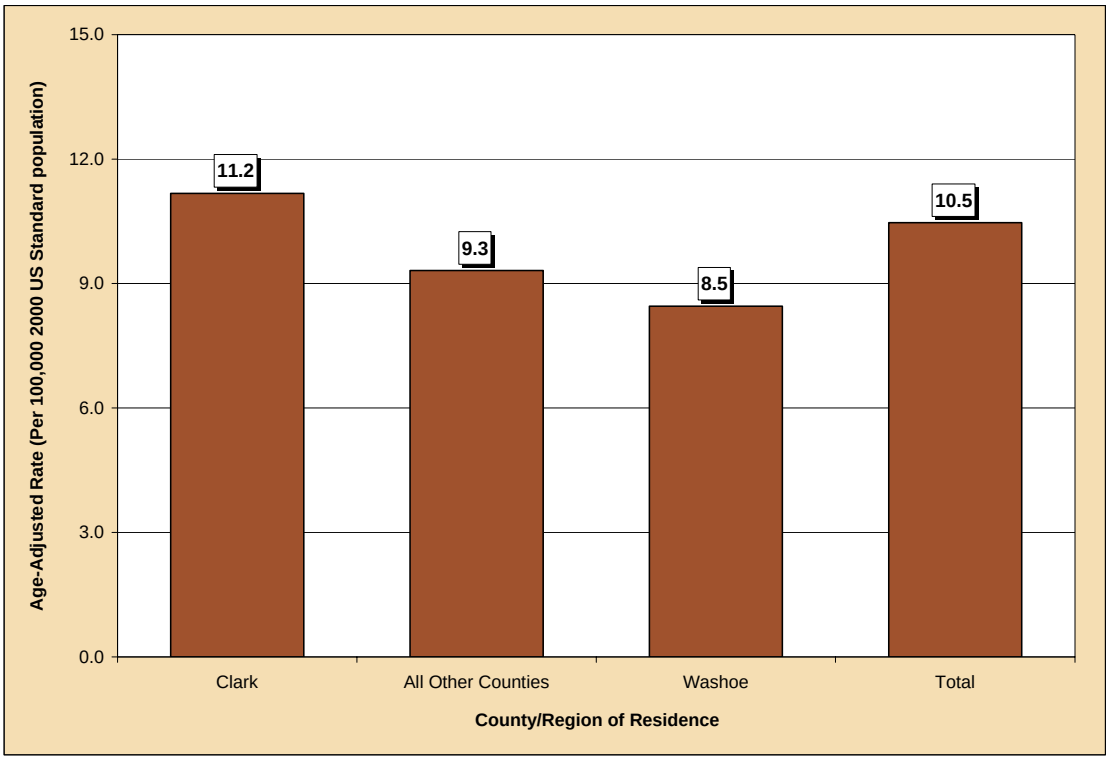


Figure 146. Median Charges for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

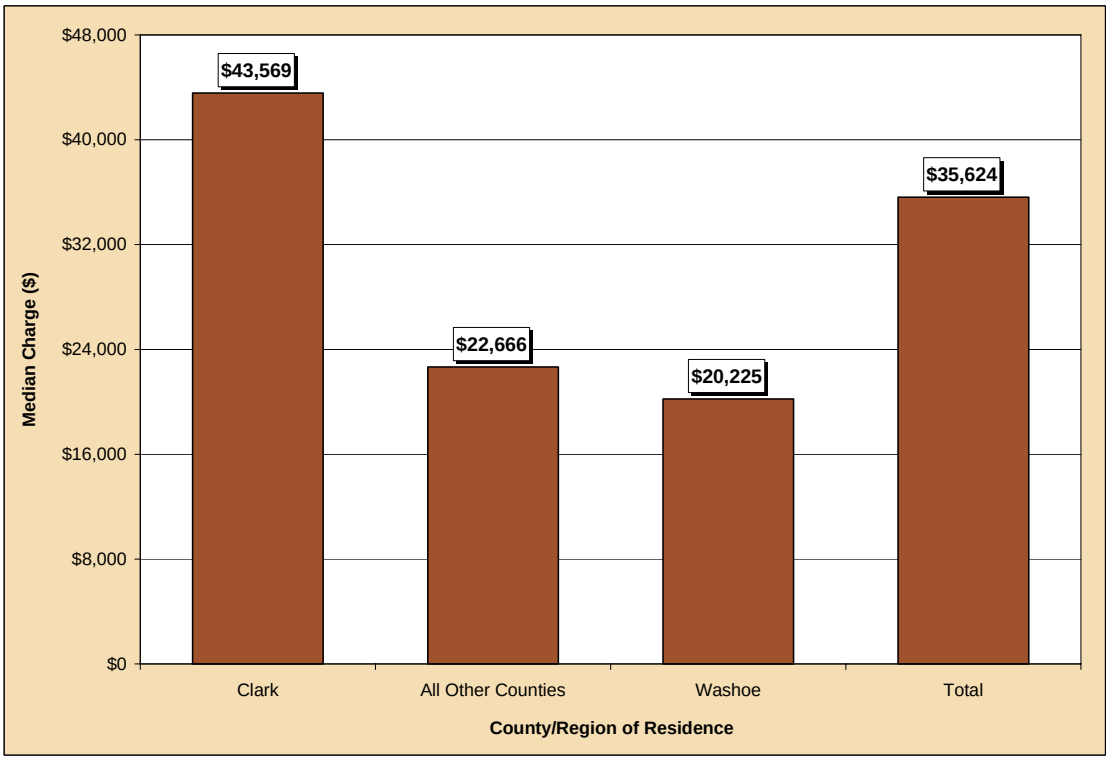


Figure 147. Average Length of Stay for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

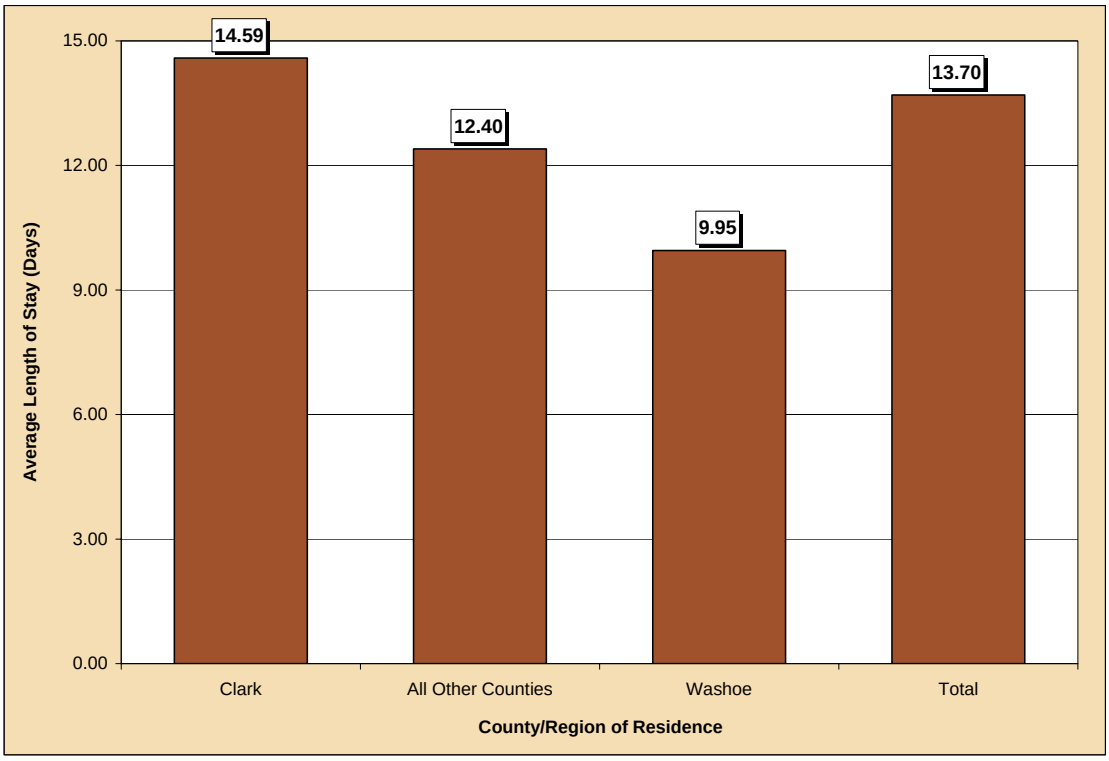


Table 221. Leukemia Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,045	772	135	138	0
Rate*	10.5	11.2	8.5	9.3	---
95% C.I.	(9.8-11.1)	(10.4-12.0)	(7.1-10.1)	(7.8-11.1)	---
Gender					
Male	605	455	74	76	0
Rate*	12.5	13.6	10.0	10.0	---
95% C.I.	(11.5-13.6)	(12.3-15.1)	(7.8-12.9)	(7.8-12.7)	---
Female	439	316	61	62	0
Rate*	8.6	9.0	7.3	8.5	---
95% C.I.	(7.8-9.5)	(8.0-10.1)	(5.6-9.4)	(6.5-11.0)	---
Other/Unknown	1	1	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$83,257,779	$67,551,913	$6,859,516	$8,846,350	---
Average Charges	$79,673	$87,502	$50,811	$64,104	---
Median Charges	$35,624	$43,569	$20,225	$22,666	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	14,314	11,260	1,343	1,711	---
Average LOS	13.7	14.6	9.9	12.4	---
Median LOS	7.0	8.0	6.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 222. Leukemia Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	1,045	772	135	138
Rate*	10.0	10.5	7.7	9.7
95% C.I.	(9.35-10.56)	(9.79-11.28)	(6.42-9.03)	(8.08-11.32)
Age Group				
<1	5	5	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	73	61	4	8
Rate*	12.0	13.9	---	---
95% C.I.	(9.24-14.75)	(10.41-17.38)	---	---
5-14	124	108	12	4
Rate*	8.3	10.4	4.9	---
95% C.I.	(6.84-9.76)	(8.41-12.32)	(2.13-7.68)	---
15-24	56	40	4	12
Rate*	3.8	3.9	---	6.2
95% C.I.	(2.78-4.76)	(2.66-5.06)	---	(2.68-9.67)
25-34	74	59	6	9
Rate*	4.7	5.1	---	---
95% C.I.	(3.66-5.82)	(3.83-6.45)	---	---
35-44	62	52	7	3
Rate*	3.8	4.5	---	---
95% C.I.	(2.81-4.68)	(3.29-5.75)	---	---
45-54	101	64	14	23
Rate*	7.1	6.7	5.5	10.7
95% C.I.	(5.72-8.49)	(5.07-8.37)	(2.63-8.43)	(6.30-15.02)
55-64	155	105	27	23
Rate*	15.1	14.9	16.4	14.5
95% C.I.	(12.70-17.44)	(12.04-17.73)	(10.23-22.62)	(8.57-20.41)
65-74	187	139	22	26
Rate*	27.2	29.5	21.1	23.2
95% C.I.	(23.29-31.08)	(24.59-34.40)	(12.26-29.87)	(14.27-32.09)
75-84	162	110	31	21
Rate*	41.3	41.5	50.4	32.1
95% C.I.	(34.94-47.66)	(33.70-49.19)	(32.67-68.16)	(18.39-45.87)
85+	46	29	8	9
Rate*	52.3	52.1	---	---
95% C.I.	(37.17-67.39)	(33.16-71.12)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 223. Leukemia Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	2	3	5
Rate*	---	---	---
95% C.I.	---	---	---
1-4	43	30	73
Rate*	13.82	10.08	11.99
95% C.I.	(9.69-17.95)	(6.48-13.69)	(9.24-14.75)
5-14	73	50	124
Rate*	9.50	6.89	8.30
95% C.I.	(7.32-11.68)	(4.98-8.80)	(6.84-9.76)
15-24	39	17	56
Rate*	5.06	2.38	3.77
95% C.I.	(3.47-6.65)	(1.25-3.51)	(2.78-4.76)
25-34	32	42	74
Rate*	3.94	5.62	4.74
95% C.I.	(2.57-5.30)	(3.92-7.32)	(3.66-5.82)
35-44	34	28	62
Rate*	3.96	3.52	3.75
95% C.I.	(2.63-5.29)	(2.21-4.82)	(2.81-4.68)
45-54	73	28	101
Rate*	10.14	3.99	7.11
95% C.I.	(7.81-12.46)	(2.52-5.47)	(5.72-8.49)
55-64	89	66	155
Rate*	17.52	12.68	15.07
95% C.I.	(13.88-21.16)	(9.62-15.74)	(12.70-17.44)
65-74	108	79	187
Rate*	31.82	22.67	27.19
95% C.I.	(25.82-37.83)	(17.67-27.67)	(23.29-31.08)
75-84	92	70	162
Rate*	51.90	32.56	41.30
95% C.I.	(41.30-62.51)	(24.93-40.19)	(34.94-47.66)
85+	20	26	46
Rate*	68.77	44.14	52.28
95% C.I.	(38.63-98.90)	(27.18-61.11)	(37.17-67.39)
Unknown	0	0	0
Total	605	439	1,045
Rate*	11.34	8.50	9.96
95% C.I.	(10.44-12.25)	(7.71-9.30)	(9.35-10.56)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 224. Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	33	13.0	(8.59-17.49)	12.2	(8.4-17.3)
Churchill	18	14.6	(7.88-21.41)	14.5	(8.6-23.6)
Clark	772	10.5	(9.79-11.28)	11.2	(10.4-12.0)
Douglas	20	9.3	(5.24-13.42)	9.2	(5.5-14.8)
Elko	2	---	---	---	---
Esmeralda	2	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	29	15.6	(9.95-21.34)	14.4	(9.6-21.1)
Mineral	0	---	---	---	---
Nye	17	10.0	(5.26-14.80)	7.1	(4.0-12.6)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	135	7.7	(6.42-9.03)	8.5	(7.1-10.1)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	1,045	10.0	(9.35-10.56)	10.5	(9.8-11.1)

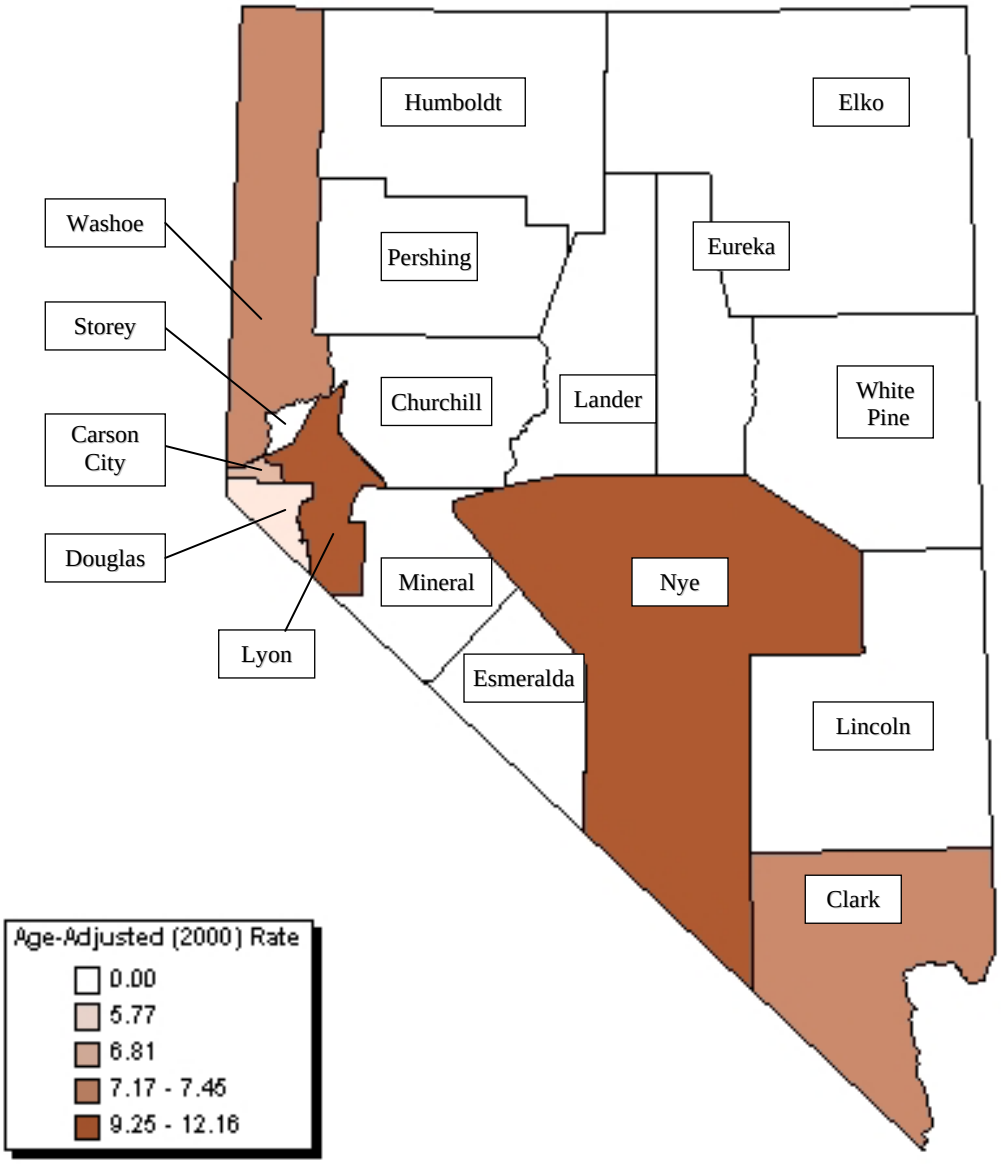
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 225. Leukemia Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	5	---	---	---	---	---	---
1-4	73	4,072,295	55,785	32,574	787	10.8	7.0
5-14	124	6,673,428	53,818	25,107	1,070	8.6	5.5
15-24	56	4,578,201	81,754	53,272	850	15.2	8.5
25-34	74	8,938,792	120,794	60,156	1,327	17.9	11.0
35-44	62	6,451,884	104,063	100,951	1,188	19.2	13.0
45-54	101	9,202,603	91,115	51,628	1,731	17.1	10.0
55-64	155	15,759,247	101,673	46,441	2,569	16.6	9.0
65-74	187	16,462,365	88,034	43,702	2,763	14.8	8.0
75-84	162	9,248,063	57,087	27,126	1,682	10.4	7.0
85+	46	1,082,544	23,534	18,796	273	5.9	5.0
Unknown	0	---	---	---	---	---	---
Total	1,045	83,257,779	79,673	35,624	14,314	13.7	7.0

MORTALITY

Figure 148. Leukemia Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 149. Leukemia Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

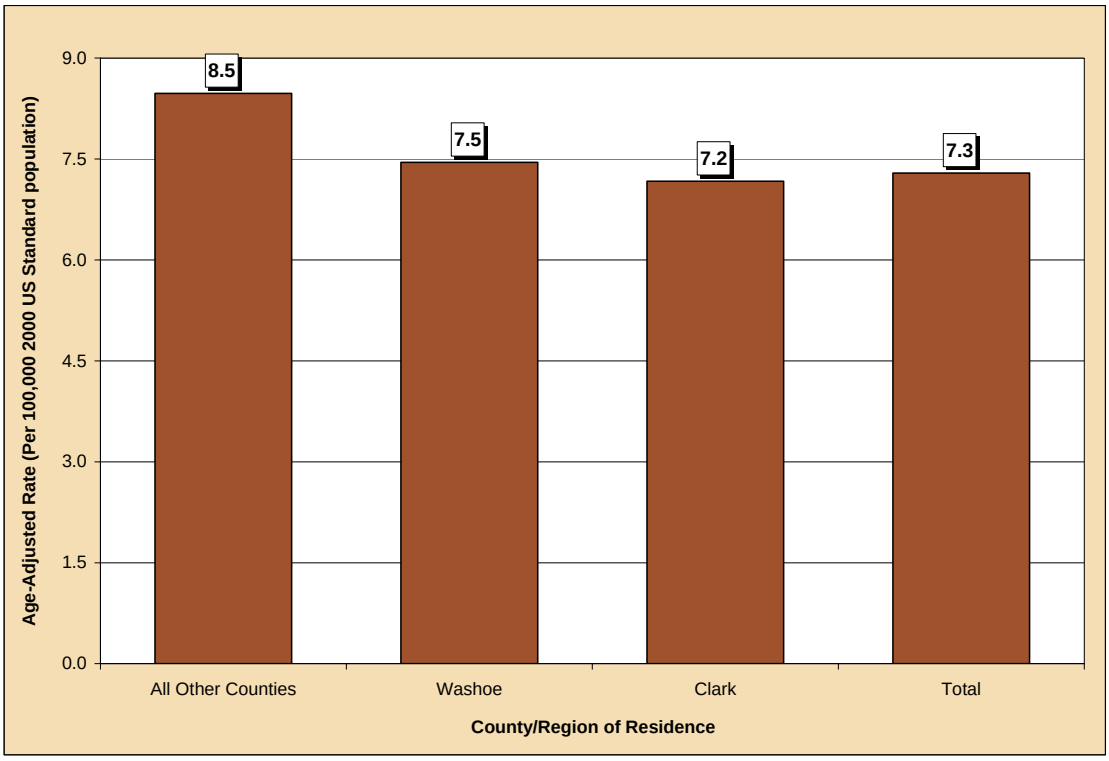


Figure 150. Leukemia Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

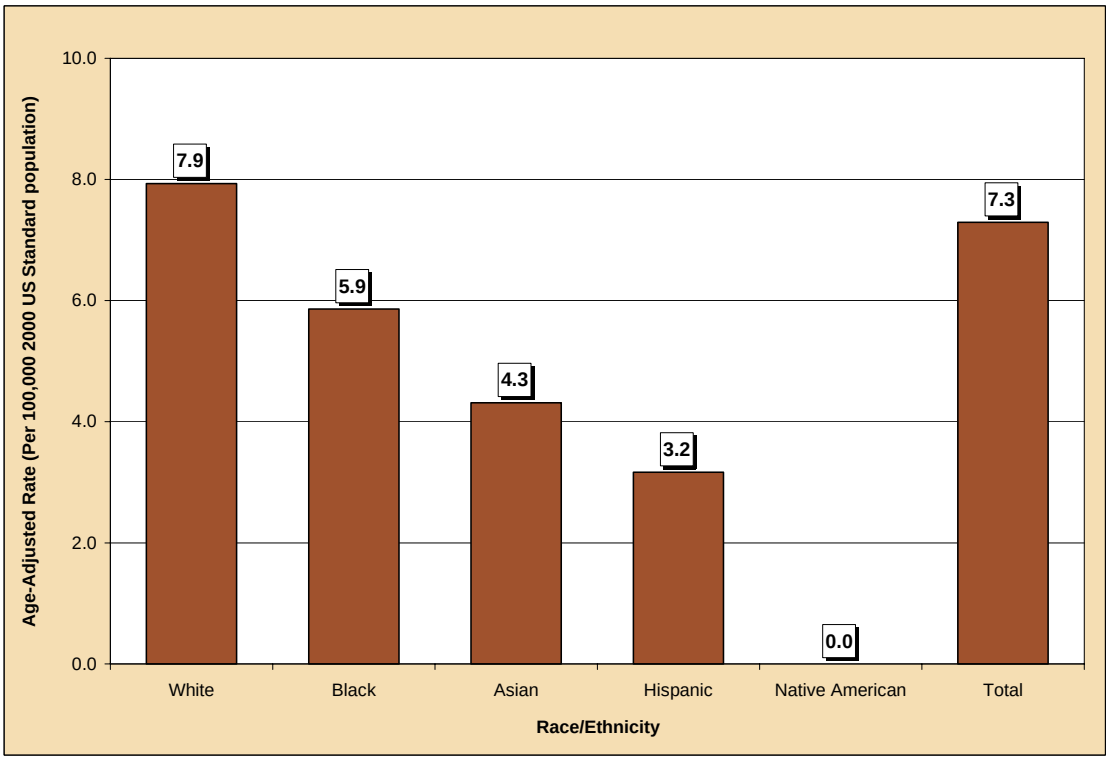


Table 226. Leukemia Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	667	444	110	113
Rate*	7.3	7.2	7.5	8.5
95% C.I.	(6.7-7.9)	(6.5-7.9)	(6.1-9.0)	(6.6-11.4)
Gender				
Male	391	391	391	391
Rate*	9.2	9.4	8.1	11.2
95% C.I.	(8.2-10.2)	(8.2-10.8)	(6.0-10.8)	(8.0-16.6)
Female	276	276	276	276
Rate*	5.7	5.4	6.8	5.5
95% C.I.	(5.0-6.4)	(4.7-6.3)	(5.1-8.8)	(4.0-7.5)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	591	383	102	106
Rate*	7.9	8.0	7.9	8.3
95% C.I.	(7.3-8.6)	(7.2-8.8)	(6.5-9.7)	(6.5-11.4)
Black	29	27	1	1
Rate*	5.9	5.8	---	---
95% C.I.	(3.8-9.0)	(3.7-9.2)	---	---
Native American	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	18	15	3	0
Rate*	4.3	3.5	---	---
95% C.I.	(2.2-8.8)	(1.9-6.2)	---	---
Hispanic	27	18	4	5
Rate*	3.2	2.7	---	---
95% C.I.	(1.9-5.0)	(1.5-4.9)	---	---
Other/Unknown	0	0	0	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 227. Leukemia Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	667	444	110	113
Rate*	7.3	7.2	7.5	8.5
95% C.I.	(6.7-7.9)	(6.5-7.9)	(6.1-9.0)	(6.6-11.4)
Age Group				
<1	3	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	5	3	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	11	8	1	2
Rate*	0.7	---	---	---
95% C.I.	(0.30-1.18)	---	---	---
25-34	12	8	2	2
Rate*	0.8	---	---	---
95% C.I.	(0.33-1.20)	---	---	---
35-44	28	24	3	1
Rate*	1.7	2.1	---	---
95% C.I.	(1.07-2.32)	(1.25-2.92)	---	---
45-54	54	36	10	8
Rate*	3.8	3.8	4.0	---
95% C.I.	(2.79-4.81)	(2.55-5.02)	(1.50-6.40)	---
55-64	101	62	18	21
Rate*	9.8	8.8	11.0	13.2
95% C.I.	(7.90-11.74)	(6.60-10.98)	(5.89-16.01)	(7.57-18.88)
65-74	157	111	18	28
Rate*	22.8	23.6	17.2	25.0
95% C.I.	(19.25-26.40)	(19.17-27.94)	(9.27-25.20)	(15.72-34.21)
75-84	213	137	40	36
Rate*	54.3	51.6	65.1	55.1
95% C.I.	(47.01-61.60)	(42.98-60.27)	(44.89-85.21)	(37.09-73.07)
85+	75	48	15	12
Rate*	85.2	86.3	90.3	76.2
95% C.I.	(65.95-104.54)	(61.89-110.71)	(44.59-135.98)	(33.09-119.32)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 228. Leukemia Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	20	7.9	(4.44-11.37)	6.8	(4.1-10.6)
Churchill	9	---	---	---	---
Clark	444	6.1	(5.50-6.62)	7.2	(6.5-7.9)
Douglas	14	6.5	(3.11-9.95)	5.8	(3.1-10.4)
Elko	9	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	2	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	21	11.3	(6.48-16.17)	12.2	(6.3-24.8)
Mineral	1	---	---	---	---
Nye	22	13.0	(7.56-18.40)	9.3	(5.6-15.1)
Pershing	1	---	---	---	---
Storey	2	---	---	---	---
Washoe	110	6.3	(5.12-7.47)	7.5	(6.1-9.0)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	667	6.4	(5.87-6.84)	7.3	(6.7-7.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 229. Leukemia Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	343	248	0	591
	Rate*	9.8	6.3	---	7.9
	95% C.I.	(8.7-11.0)	(5.5-7.2)	---	(7.3-8.6)
Black	Incidence	18	11	0	29
	Rate*	8.3	4.2	---	5.9
	95% C.I.	(4.4-16.1)	(2.1-7.8)	---	(3.8-9.0)
Native American	Incidence	1	1	0	2
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	10	8	0	18
	Rate*	4.7	---	---	4.3
	95% C.I.	(2.1-9.5)	---	---	(2.2-8.8)
Hispanic	Incidence	19	8	0	27
	Rate*	5.0	---	---	3.2
	95% C.I.	(2.7-8.7)	---	---	(1.9-5.0)
Other/Unknown		0	0	0	0
Total	Incidence	391	276	0	667
	Rate*	9.2	5.7	---	7.3
	95% C.I.	(8.2-10.2)	(5.0-6.4)	---	(6.7-7.9)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 230. Leukemia Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	3	0	3
Rate*	---	---	---
95% C.I.	---	---	---
1-4	2	3	5
Rate*	---	---	---
95% C.I.	---	---	---
5-14	2	6	8
Rate*	---	---	---
95% C.I.	---	---	---
15-24	9	2	11
Rate*	---	---	0.74
95% C.I.	---	---	(0.30-1.18)
25-34	8	4	12
Rate*	---	---	0.77
95% C.I.	---	---	(0.33-1.20)
35-44	11	17	28
Rate*	1.28	2.13	1.69
95% C.I.	(0.52-2.04)	(1.12-3.15)	(1.07-2.32)
45-54	38	16	54
Rate*	5.28	2.28	3.80
95% C.I.	(3.60-6.95)	(1.16-3.40)	(2.79-4.81)
55-64	62	39	101
Rate*	12.20	7.49	9.82
95% C.I.	(9.17-15.24)	(5.14-9.85)	(7.90-11.74)
65-74	97	60	157
Rate*	28.58	17.22	22.83
95% C.I.	(22.90-34.27)	(12.86-21.57)	(19.25-26.40)
75-84	130	83	213
Rate*	73.34	38.61	54.30
95% C.I.	(60.73-85.95)	(30.30-46.91)	(47.01-61.60)
85+	29	46	75
Rate*	99.71	78.10	85.24
95% C.I.	(63.42-136.00)	(55.53-100.67)	(65.95-104.54)
Unknown	0	0	0
Total	391	276	667
Rate*	7.33	5.35	6.35
95% C.I.	(6.60-8.06)	(4.71-5.98)	(5.87-6.84)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

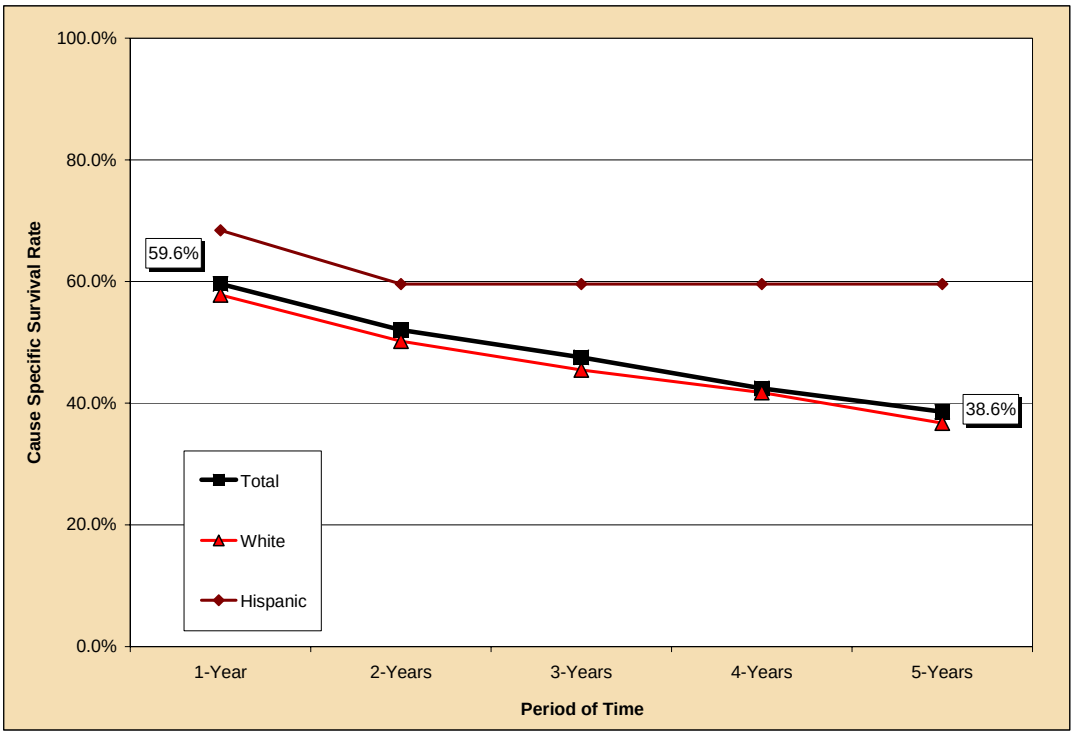
Table 231. Median Age at Death from Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	343	72.0	248	74.0	591	73.0
Black	18	60.5	11	70.0	29	64.0
Native American	1	---	1	---	2	---
Asian	10	63.5	8	57.0	18	60.5
Hispanic	19	63.0	8	50.5	27	61.0
Other/Unknown	0	---	0	---	0	---
Total	391	71.0	276	73.0	667	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 151. Survival Rates for Leukemia by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 152. Survival Rates for Leukemia by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

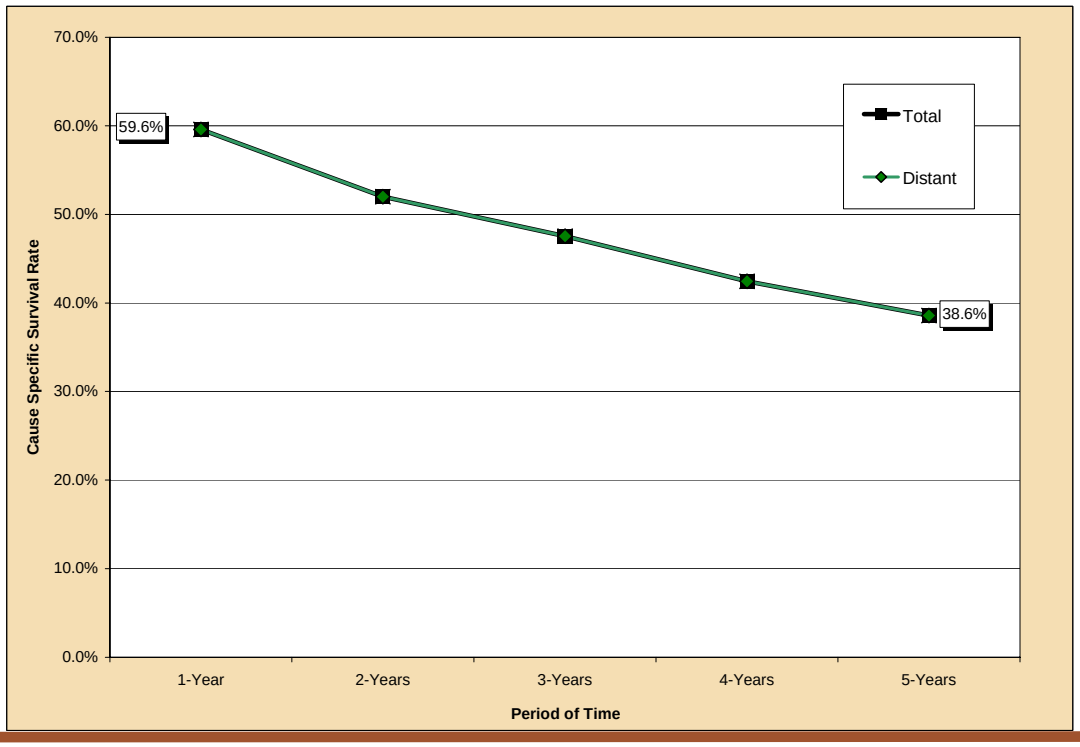


Table 232. Cause-Specific Survival Rates for Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	881	59.6%	52.0%	47.5%	42.5%	38.6%	2.45
Male	528	58.7%	50.4%	46.8%	43.3%	35.4%	2.11
Female	352	61.2%	54.6%	48.8%	41.3%	41.3%	2.78
Race/Ethnicity							
White	726	57.8%	50.2%	45.5%	41.8%	36.7%	2.04
Male	441	56.6%	48.8%	45.4%	42.3%	31.7%	1.85
Female	284	59.8%	52.5%	45.6%	41.1%	41.1%	2.36
Black	41	---	---	---	---	---	.
Male	20	---	---	---	---	---	.
Female	21	---	---	---	---	---	.
Native American	1	---	---	---	---	---	.
Male	0	---	---	---	---	---	---
Female	1	---	---	---	---	---	.
Asian	28	---	---	---	---	---	.
Male	13	---	---	---	---	---	.
Female	15	---	---	---	---	---	.
Hispanic	63	68.4%	59.6%	59.6%	59.6%	59.6%	> 5 YEARS
Male	41	---	---	---	---	---	.
Female	22	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 233. Cause-Specific Survival Rates for Leukemia by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	881	528	352
	One Year	59.6%	58.7%	61.2%
	5 Years	38.6%	35.4%	41.3%
	Median Survival	2.45	2.11	2.78
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Regional	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Distant	Cases	881	528	352
	One Year	59.6%	58.7%	61.2%
	5 Years	38.6%	35.4%	41.3%
	Median Survival	2.45	2.11	2.78
Unstaged	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---

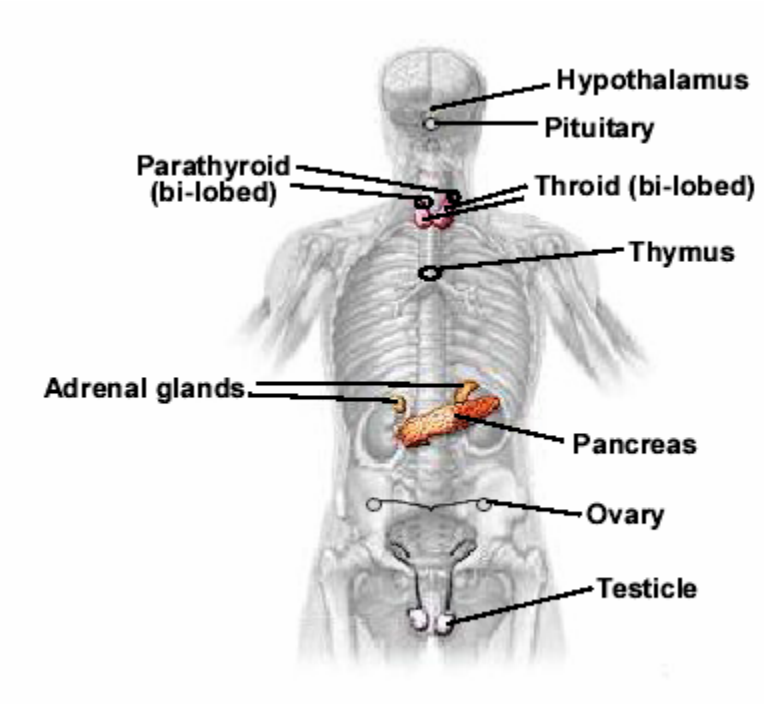
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PANCREATIC CANCER

PANCREATIC CANCER

GENERAL PROFILE[4]

Figure 153. Anatomy of the Endocrine System[5]



General Anatomy: The pancreas is a gland located deep in the abdomen between the stomach and the spine (backbone). The pancreas is about 6 inches long and is shaped like a flat pear. The pancreas makes insulin and other hormones that travel throughout the body to help the body use or store the energy that comes from food.

Risk Factors: Age, smoking, diabetes, being male, being African American, family history of pancreatic cancer, and Chronic pancreatitis.

Signs and Symptoms: Pancreatic cancer is sometimes called a "silent disease" because early pancreatic cancer often does not cause symptoms. But, as the cancer grows, symptoms may include: Pain in the upper abdomen or upper back, yellow skin and eyes, and dark urine from jaundice, weakness, loss of appetite, nausea and vomiting, and weight loss.

Diagnosing the Cancer: Physical exam, blood, stool and urine tests (Bilirubin levels), computed tomography (CAT) scan, ultrasonography (Transabdominal, Endoscopic), endoscopic retrograde cholangiopancreatography (ERCP), percutaneous transhepatic cholangiography (PTC), and fine-needle aspiration.

Treatment: Surgery (Whipple procedure, Distal pancreatectomy, Total pancreatectomy, bypass), radiation therapy, and chemotherapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.1, to the age-adjusted mortality rate, 10.3 (per 100,000 – 2000 US Standard population), for Pancreatic Cancer was 1.08 during the 1999 to 2003 period, which means that for every 108 Pancreatic Cancer cases there were 100 deaths due to this type of cancer in Nevada. Males had a slightly larger ratio at 1.08 versus 1.06 for females.

- The median age at diagnosis of Pancreatic Cancer for Nevada residents was 69.0 years of age, while the median age for males and females was 67 and 72 years during the 1999 to 2003 period. The median age at time of death due to Cancer of the Pancreas was 70 years for Nevada overall, 69 years for males and 72 years of age for females.

INCIDENCE

- There were 1,068 cases of Pancreatic Cancer reported in Nevada from 1999 to 2003. Nevada's age-adjusted incidence rate for Pancreatic Cancer (11.1) was only slightly higher than the national rate of 11.0 (per 100,000 – 2000 US Standard population) from 1999 to 2003.

- While regional comparisons showed only slight variations between the age-adjusted incidence rates of Pancreatic Cancer for Washoe County (11.5), Clark County (11.3) and All Other Counties (9.3) from 1999 to 2003, statistical analysis shows no statistically significant difference between the three regions.

- Nevadan males had a statistically significant higher incidence rate for Pancreatic Cancer, 12.4, (11.3-13.5) than females, 9.9 (9.1-10.8) during the 1999 to 2003 period.

- Blacks, as a racial/ethnic group, had the highest age-adjusted incidence rate for Pancreatic Cancer, 16.0 of any racial/ethnic group from 1999 to 2003. Whites, Hispanics, and Asians followed with rates of 11.2, 9.0, and 8.7 (per 100,000 – 2000 US Standard population) respectively, during this time.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Pancreatic Cancer inpatient hospital discharges accounted for more than 39.7 million dollars from 1999 to 2003. Nevadans in the age groups 55-64, 65-74 and 75-84 accounted for 78.7% of the total inpatient discharges and 78.2% of the total billed charges during this period. The overall daily billed amount for Pancreatic Cancer inpatient hospital discharges was approximately $5,083 in Nevada during this period.

- There were 822 inpatient hospital discharges for Pancreatic Cancer to residents in Nevada from 1999 to 2003. Washoe County had the highest age-adjusted inpatient discharge rate, 9.5, for Pancreatic Cancer and was followed by Clark County and All Other Counties with rates of 8.5 and 6.6, respectively.

- The median total billed charges in Nevada for inpatient discharges due to Cancer of the Pancreas were $27,879 during the 1999 to 2003 period.

MORTALITY

- There were 977 resident Pancreatic Cancer deaths from 1999 to 2003. Regional comparisons found no statistical differences between the three regions where All Other Counties, Clark County and Washoe County had rates of 10.6, 10.3 and 9.8 (per 100,000 – 2000 US Standard population), respectively.

- Blacks, as a racial/ethnic group, had the highest age-adjusted Pancreatic Cancer mortality rate, (14.1); followed by Whites, Asians and Hispanics with rates of 10.5, 9.1 and 7.2 (per 100,000 – 2000 US Standard population), respectively. However, statistical analysis does not show any statistical significance between any of the racial/ethnic groups.

SURVIVAL RATE

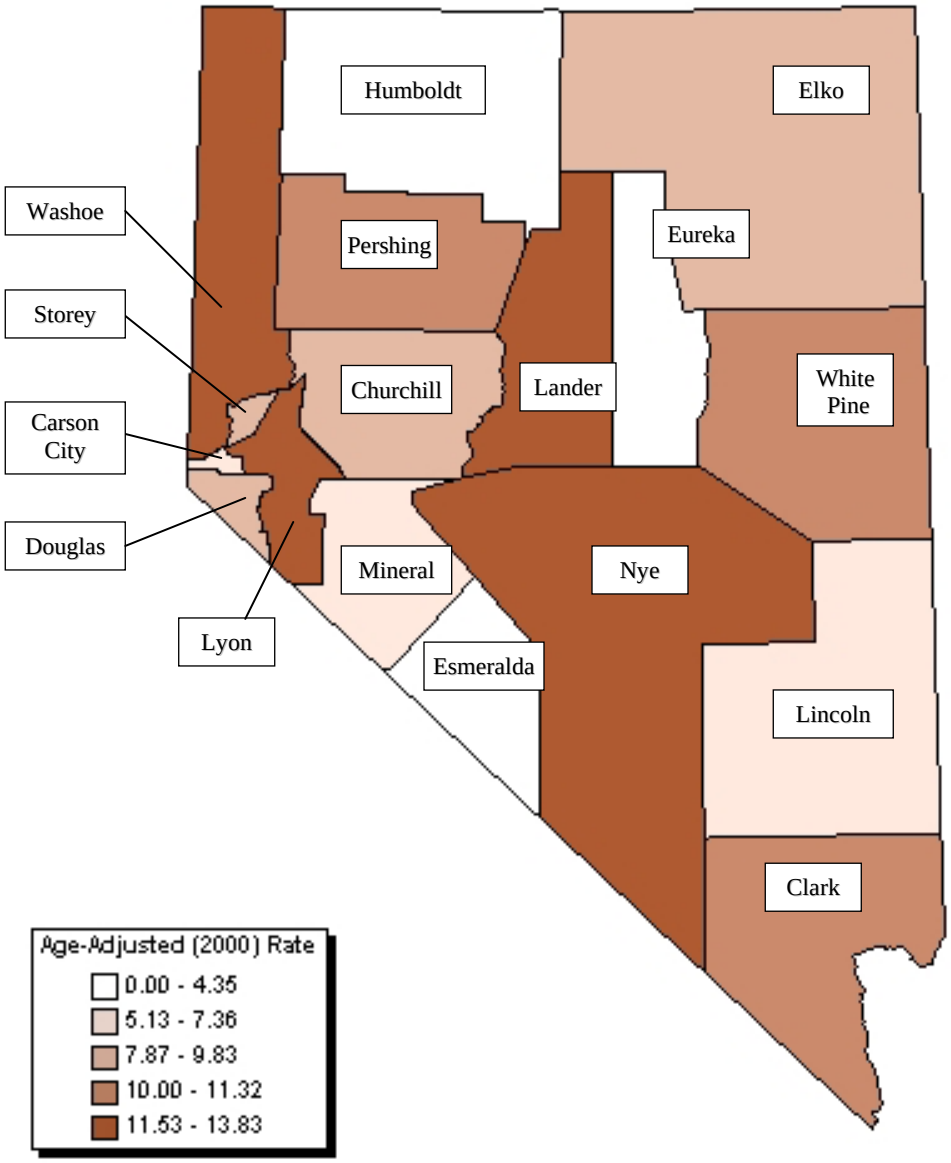
- While the one-year survival rate for Nevada males with Pancreatic Cancer (23.4%) was slightly higher than the rate for females (21.5%) during the 1999 to 2003 period, the five-year survival rate for males (7.5%) was lower than the rate for females (10.6%) from 1999 to 2003.

- The one-year survival rate for those diagnosed with Pancreatic Cancer at the regional stage was 37.3%, while those diagnosed at the distant and unstaged stages had rates of 12.2% and 21.2%, respectively, during the 1999 to 2003 period.

- From 1999 to 2003, the median survival time for Pancreatic Cancer overall was 0.64 years. Those diagnosed at the regional, distant and unstaged levels had median survival times of 0.80, 0.57 and 0.63 years, respectively.

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

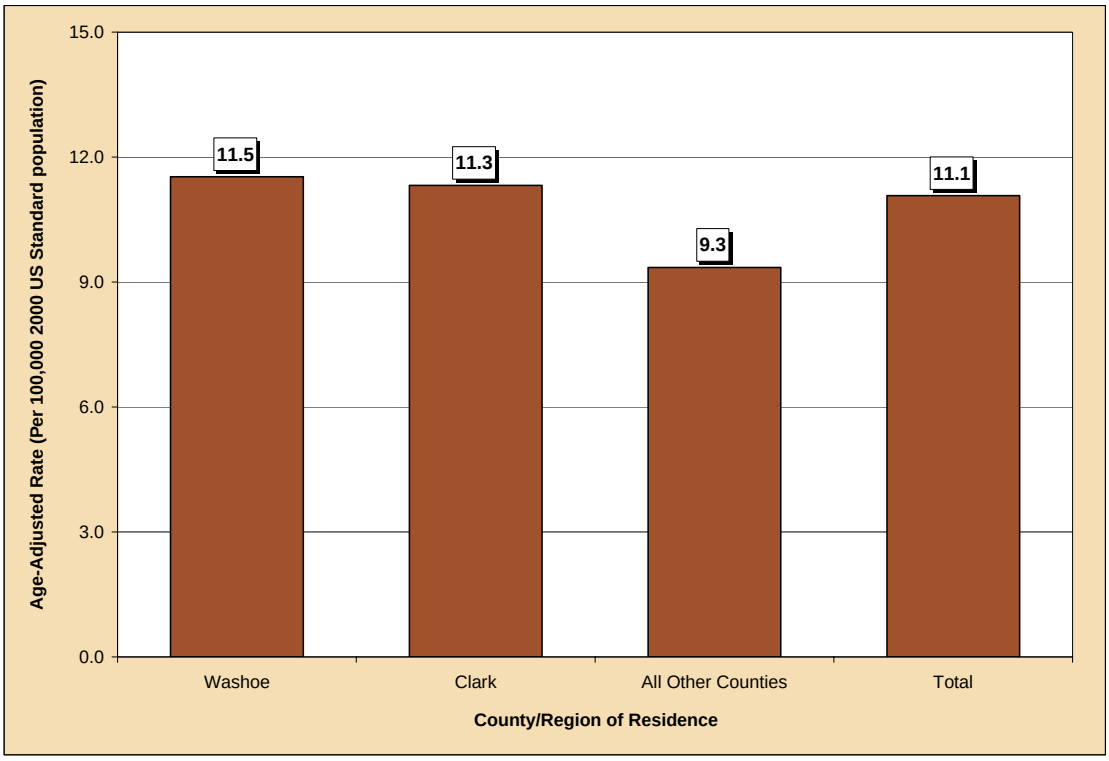


Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

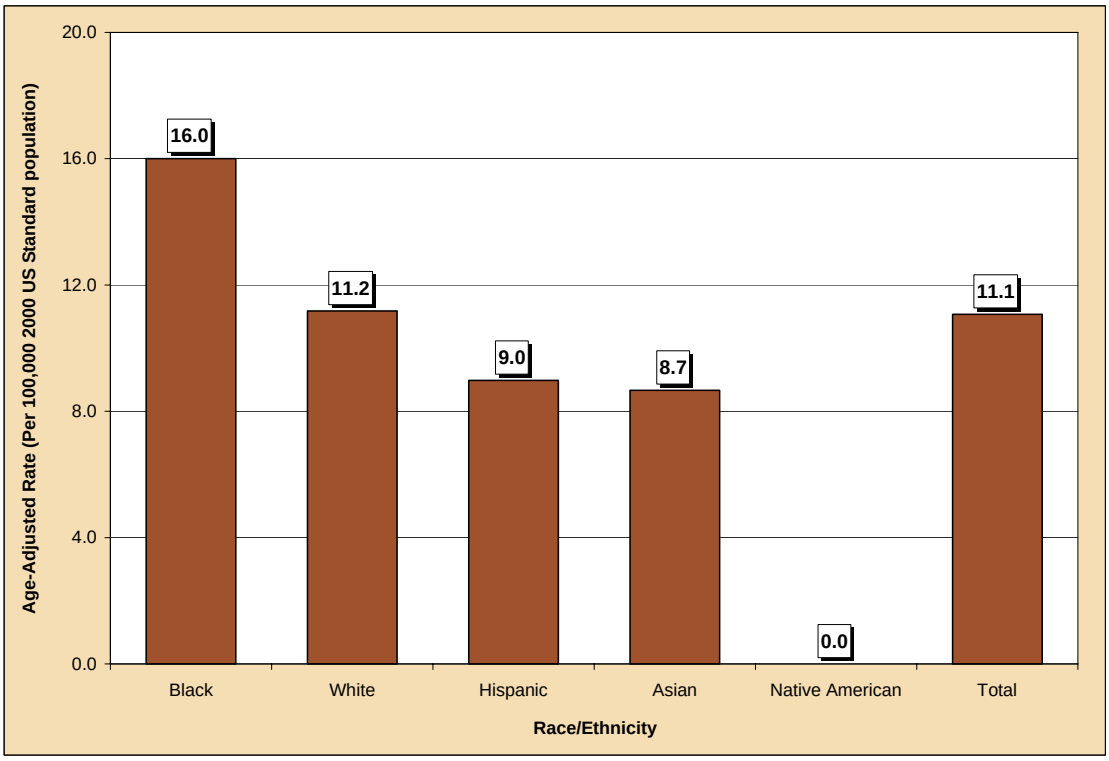


Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,068	747	177	143	1	19,201
Rate*	11.1	11.1	11.1	11.1	---	11.0
95% C.I.	(10.4-11.8)	(10.4-11.8)	(10.4-11.8)	(10.4-11.8)	---	(10.9-11.2)
Gender						
Male	566	566	566	566	0	9,191
Rate*	12.4	12.4	12.4	12.4	---	12.6
95% C.I.	(11.3-13.5)	(11.3-13.5)	(11.3-13.5)	(11.3-13.5)	---	(12.3-12.8)
Female	501	501	501	501	1	9,550
Rate*	9.9	9.9	9.9	9.9	---	9.7
95% C.I.	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	---	(9.5-9.9)
Other/Unknown	1	0	1	0	0	0
Race/Ethnicity						
White	889	598	156	134	1	14,999
Rate*	11.2	11.2	11.2	11.2	---	10.8
95% C.I.	(10.4-12.0)	(10.4-12.0)	(10.4-12.0)	(10.4-12.0)	---	(10.6-11.0)
Black	79	71	7	1	0	2,116
Rate*	16.0	16.0	---	---	---	15.4
95% C.I.	(12.5-20.5)	(12.5-20.5)	---	---	---	(14.7-16.1)
Native American	0	0	0	0	0	121
Rate*	---	---	---	---	---	8.3
95% C.I.	---	---	---	---	---	(6.8-6.8)
Asian	36	31	3	2	0	1,524
Rate*	8.7	8.7	---	---	---	9.3
95% C.I.	(5.5-14.0)	(5.5-14.0)	---	---	---	(8.9-9.8)
Hispanic	57	42	10	5	0	1,470
Rate*	9.0	9.0	9.0	---	---	9.7
95% C.I.	(6.4-12.6)	(6.4-12.6)	(6.4-12.6)	---	---	(9.2-10.2)
Other/Unknown	7	5	1	1	0	30

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

Table 235. Pancreatic Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,068	747	177	143	1	19,201
Rate*	11.1	11.3	11.5	9.3	---	11.0
95% C.I.	(10.4-11.8)	(10.5-12.2)	(9.9-13.4)	(7.9-11.1)	---	(10.9-11.2)
Age Group						
<1	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
1-4	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	2	2	0	0	0	19
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	6	4	1	1	0	80
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	28	18	8	2	0	513
Rate*	1.7	1.6	---	---	---	1.6
95% C.I.	(1.07-2.32)	(0.84-2.29)	---	---	---	(1.5-1.8)
45-54	115	79	22	14	0	1,872
Rate*	8.1	8.3	8.7	6.5	---	7.3
95% C.I.	(6.61-9.57)	(6.47-10.13)	(5.06-12.32)	(3.09-9.89)	---	(6.9-7.6)
55-64	240	166	38	36	0	3,357
Rate*	23.3	23.5	23.1	22.7	---	21.3
95% C.I.	(20.38-26.29)	(19.95-27.11)	(15.77-30.47)	(15.27-30.08)	---	(20.6-22.1)
65-74	322	238	43	40	1	5,354
Rate*	46.8	50.5	41.2	35.7	---	48.3
95% C.I.	(41.70-51.93)	(44.09-56.92)	(28.87-53.48)	(24.61-46.71)	---	(47.1-49.7)
75-84	282	201	47	34	0	5,651
Rate*	71.9	75.7	76.4	52.0	---	73.9
95% C.I.	(63.50-80.29)	(65.27-86.21)	(54.58-98.29)	(34.53-69.51)	---	(72.0-75.9)
85+	73	39	18	16	0	2,349
Rate*	83.0	70.1	108.3	101.6	---	87.7
95% C.I.	(63.94-102.00)	(48.11-92.12)	(58.29-158.39)	(51.82-151.39)	---	(84.2-91.3)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	22	8.7	(5.06-12.33)	7.4	(4.6-11.3)
Churchill	11	9.0	(3.66-14.24)	9.8	(4.8-18.1)
Clark	747	10.2	(9.46-10.92)	11.3	(10.5-12.2)
Douglas	18	8.4	(4.52-12.28)	8.3	(4.7-13.7)
Elko	13	5.7	(2.61-8.82)	7.9	(3.7-15.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	27	14.6	(9.07-20.06)	12.9	(8.4-19.1)
Mineral	2	---	---	---	---
Nye	33	19.5	(12.83-26.11)	13.8	(9.3-20.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	177	10.1	(8.64-11.62)	11.5	(9.9-13.4)
White Pine	5	---	---	---	---
Unknown	1	---	---	---	---
Total	1,068	10.2	(9.56-10.78)	11.1	(10.4-11.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	475	413	1	889
	Rate*	12.5	9.9	---	11.2
	95% C.I.	(11.3-13.7)	(9.0-11.0)	---	(10.4-12.0)
Black	Incidence	39	40	0	79
	Rate*	16.1	15.9	---	16.0
	95% C.I.	(11.0-24.7)	(11.3-22.2)	---	(12.5-20.5)
Native American	Incidence	0	0	0	0
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	14	22	0	36
	Rate*	8.2	9.0	---	8.7
	95% C.I.	(3.6-19.2)	(5.1-16.6)	---	(5.5-14.0)
Hispanic	Incidence	35	22	0	57
	Rate*	13.7	6.0	---	9.0
	95% C.I.	(8.2-22.6)	(3.6-10.1)	---	(6.4-12.6)
Other/Unknown		3	4	0	7
Total	Incidence	566	501	1	1,068
	Rate*	12.4	9.9	---	11.1
	95% C.I.	(11.3-13.5)	(9.1-10.8)	---	(10.4-11.8)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	0	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	3	3	0	6
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	14	0	28
Rate*	1.63	1.76	---	1.69
95% C.I.	(0.78-2.49)	(0.84-2.68)	---	(1.07-2.32)
45-54	77	38	0	115
Rate*	10.69	5.42	---	8.09
95% C.I.	(8.30-13.08)	(3.70-7.15)	---	(6.61-9.57)
55-64	138	101	1	240
Rate*	27.16	19.41	---	23.34
95% C.I.	(22.63-31.70)	(15.62-23.19)	---	(20.38-26.29)
65-74	175	147	0	322
Rate*	51.57	42.18	---	46.81
95% C.I.	(43.93-59.21)	(35.36-49.00)	---	(41.70-51.93)
75-84	128	154	0	282
Rate*	72.21	71.63	---	71.89
95% C.I.	(59.70-84.72)	(60.32-82.95)	---	(63.50-80.29)
85+	29	44	0	73
Rate*	99.71	74.71	---	82.97
95% C.I.	(63.42-136.00)	(52.63-96.78)	---	(63.94-102.00)
Unknown	0	0	0	0
Total	566	501	1	1,068
Rate*	10.61	9.70	---	10.17
95% C.I.	(9.74-11.48)	(8.85-10.55)	---	(9.56-10.78)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 239. Pancreatic Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	---	0	1	1	0	2
	Percent	---	---	50.0%	50.0%	---	100.0%
25-34	Number	---	0	1	2	3	6
	Percent	---	---	16.7%	33.3%	50.0%	100.0%
35-44	Number	---	0	9	14	5	28
	Percent	---	---	32.1%	50.0%	17.9%	100.0%
45-54	Number	---	8	39	44	24	115
	Percent	---	7.0%	33.9%	38.3%	20.9%	100.0%
55-64	Number	---	7	62	100	71	240
	Percent	---	2.9%	25.8%	41.7%	29.6%	100.0%
65-74	Number	---	26	71	122	103	322
	Percent	---	8.1%	22.0%	37.9%	32.0%	100.0%
75-84	Number	---	25	42	88	127	282
	Percent	---	8.9%	14.9%	31.2%	45.0%	100.0%
85+	Number	---	10	12	20	31	73
	Percent	---	13.7%	16.4%	27.4%	42.5%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	76	237	391	364	1,068
	Percent	---	7.1%	22.2%	36.6%	34.1%	100.0%

Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/ Unknown	Total
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	72	3	0	0	1	0	76
	Percent	8.1%	3.8%	---	---	1.8%	---	7.1%
Regional	Number	195	13	0	11	16	2	237
	Percent	21.9%	16.5%	---	30.6%	28.1%	28.6%	22.2%
Distant	Number	313	35	0	15	25	3	391
	Percent	35.2%	44.3%	---	41.7%	43.9%	42.9%	36.6%
Unstaged	Number	309	28	0	10	15	2	364
	Percent	34.8%	35.4%	---	27.8%	26.3%	28.6%	34.1%
Total	Number	889	79	0	36	57	7	1,068
	Percent	100.0%	100.0%	---	100.0%	100.0%	100.0%	100.0%

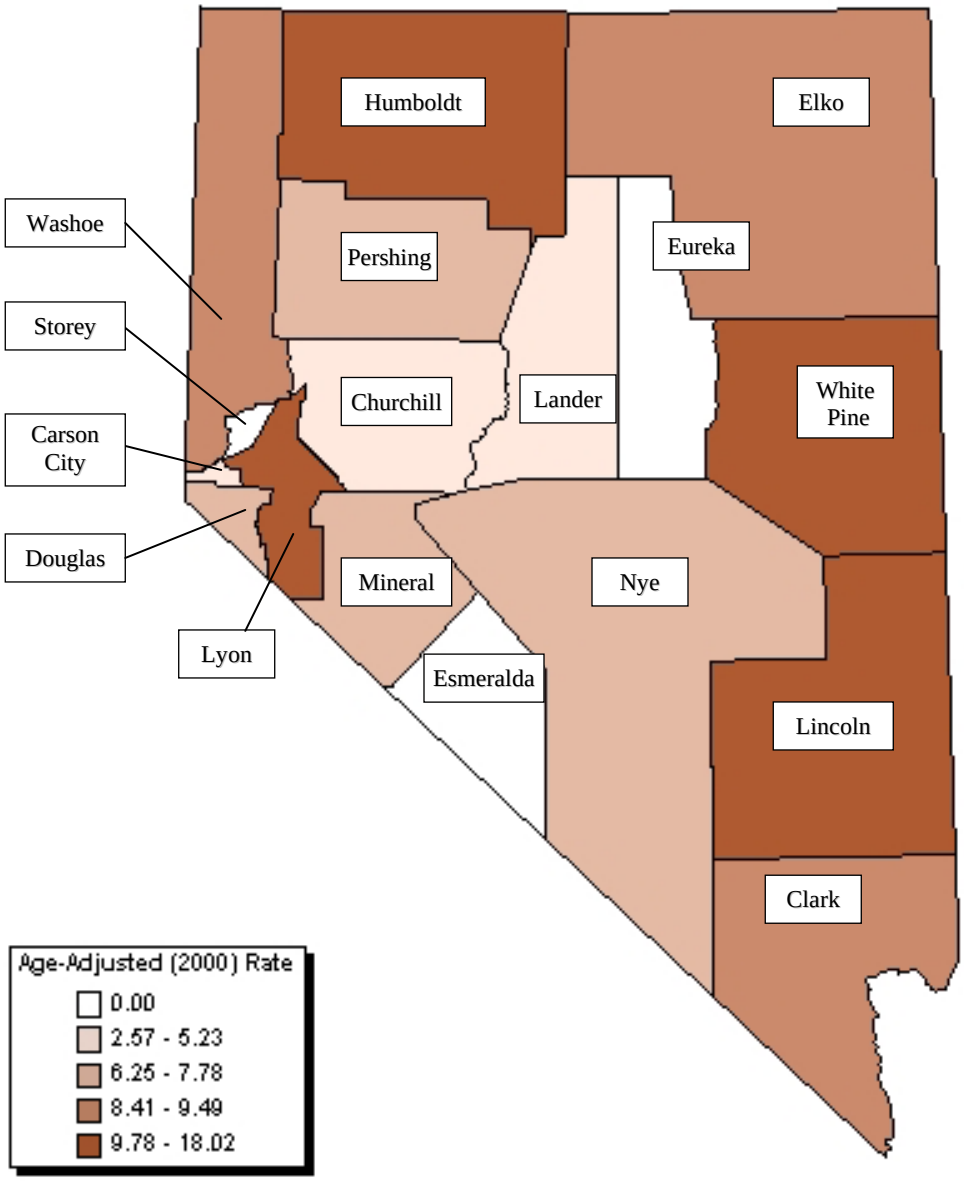
Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	475	68.0	413	73.0	888	70.0
Black	39	63.0	40	68.0	79	66.0
Native American	---	---	---	---	---	---
Asian	14	62.5	22	66.0	36	65.0
Hispanic	35	64.0	22	64.5	57	64.0
Other/Unknown	3	---	4	---	7	66.0
Total	566	67.0	501	72.0	1,067	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 157. Pancreatic Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

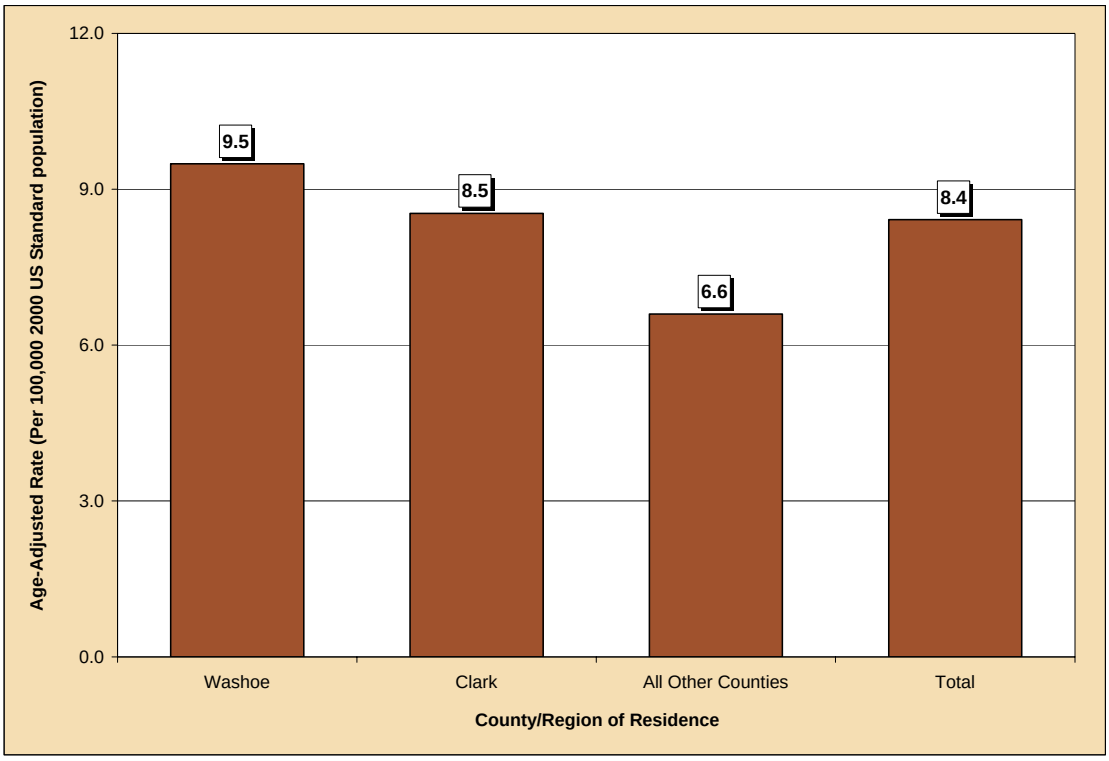


Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

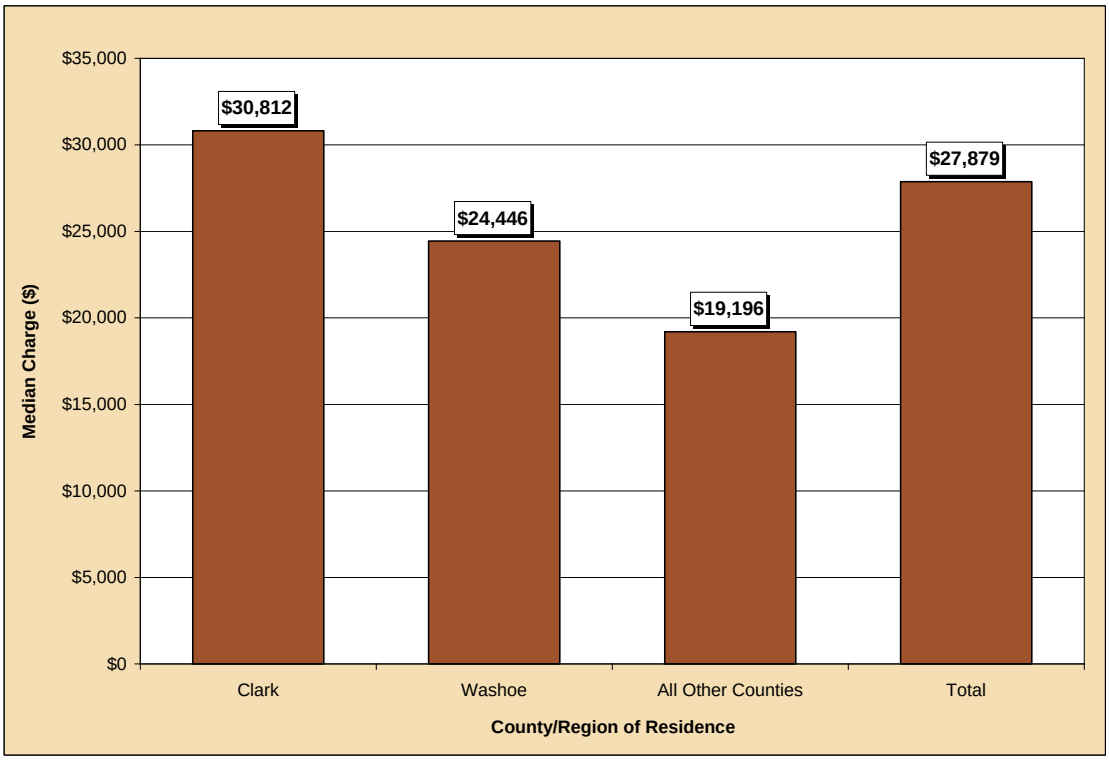


Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

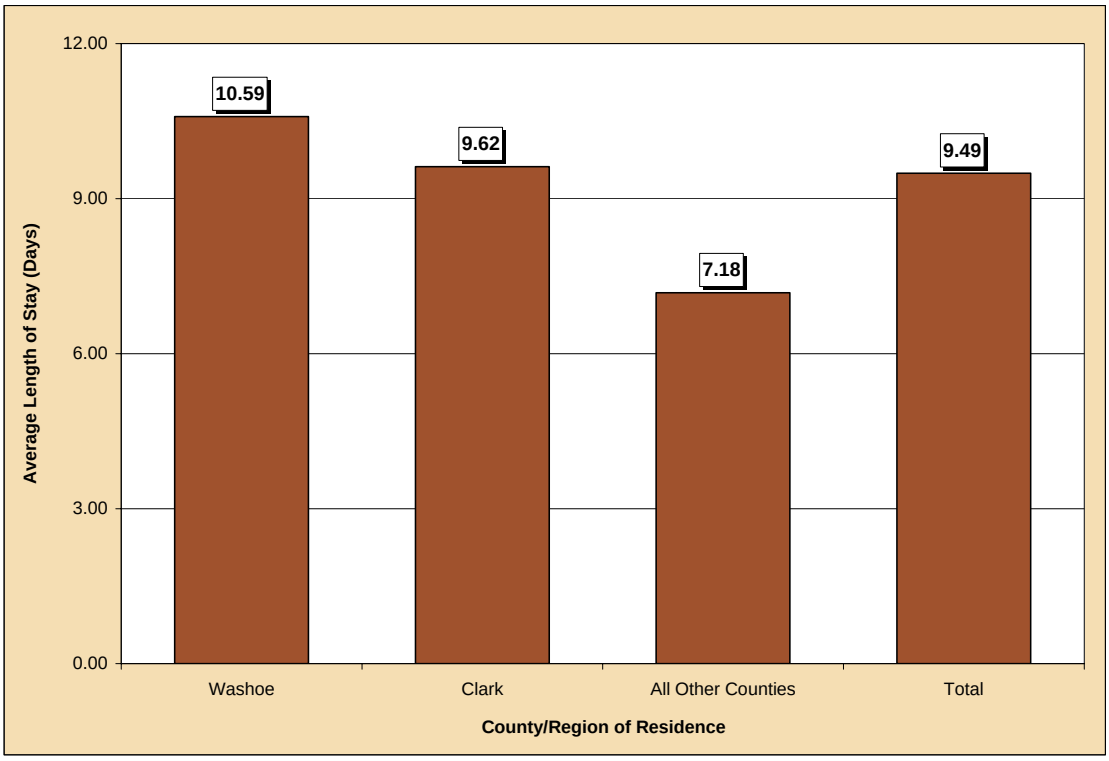


Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	822	573	148	101	0
Rate*	8.4	8.5	9.5	6.6	---
95% C.I.	(7.8-9.0)	(7.8-9.3)	(8.0-11.2)	(5.4-8.1)	---
Gender					
Male	429	306	70	53	0
Rate*	9.2	9.5	9.4	7.4	---
95% C.I.	(8.3-10.2)	(8.4-10.8)	(7.2-12.3)	(5.5-10.0)	---
Female	393	267	78	48	0
Rate*	7.7	7.7	9.4	6.0	---
95% C.I.	(7.0-8.5)	(6.8-8.7)	(7.5-11.8)	(4.4-8.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$39,665,508	$29,403,506	$6,978,031	$3,283,971	---
Average Charges	$48,255	$51,315	$47,149	$32,515	---
Median Charges	$27,879	$30,812	$24,446	$19,196	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	7,803	5,511	1,567	725	---
Average LOS	9.5	9.6	10.6	7.2	---
Median LOS	7.0	7.0	8.0	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 243. Pancreatic Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	822	573	148	101
Rate*	7.8	7.8	8.5	7.1
95% C.I.	(7.30-8.37)	(7.18-8.46)	(7.11-9.83)	(5.72-8.49)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	4	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	27	13	11	3
Rate*	1.6	1.1	3.9	---
95% C.I.	(1.02-2.25)	(0.52-1.75)	(1.59-6.17)	---
45-54	88	64	16	8
Rate*	6.2	6.7	6.3	---
95% C.I.	(4.90-7.49)	(5.07-8.37)	(3.22-9.42)	---
55-64	194	134	37	23
Rate*	18.9	19.0	22.5	14.5
95% C.I.	(16.21-21.52)	(15.78-22.21)	(15.26-29.76)	(8.57-20.41)
65-74	262	194	36	32
Rate*	38.1	41.2	34.5	28.5
95% C.I.	(33.48-42.70)	(35.38-46.96)	(23.21-45.73)	(18.64-38.41)
75-84	191	136	31	24
Rate*	48.7	51.2	50.4	36.7
95% C.I.	(41.79-55.60)	(42.63-59.86)	(32.67-68.16)	(22.03-51.41)
85+	50	24	15	11
Rate*	56.8	43.2	90.3	69.9
95% C.I.	(41.08-72.58)	(25.89-60.41)	(44.59-135.98)	(28.57-111.13)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	4	0	4
Rate*	---	---	---
95% C.I.	---	---	---
25-34	4	2	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	13	14	27
Rate*	1.51	1.76	1.63
95% C.I.	(0.69-2.34)	(0.84-2.68)	(1.02-2.25)
45-54	55	33	88
Rate*	7.64	4.71	6.19
95% C.I.	(5.62-9.66)	(3.10-6.31)	(4.90-7.49)
55-64	111	83	194
Rate*	21.85	15.95	18.86
95% C.I.	(17.78-25.91)	(12.52-19.38)	(16.21-21.52)
65-74	133	129	262
Rate*	39.19	37.02	38.09
95% C.I.	(32.53-45.85)	(30.63-43.41)	(33.48-42.70)
75-84	89	102	191
Rate*	50.21	47.45	48.69
95% C.I.	(39.78-60.64)	(38.24-56.65)	(41.79-55.60)
85+	20	30	50
Rate*	68.77	50.94	56.83
95% C.I.	(38.63-98.90)	(32.71-69.16)	(41.08-72.58)
Unknown	0	0	0
Total	429	393	822
Rate*	8.04	7.61	7.83
95% C.I.	(7.28-8.80)	(6.86-8.36)	(7.30-8.37)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 245. Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	6	---	---	---	---
Clark	573	7.8	(7.18-8.46)	8.5	(7.8-9.3)
Douglas	13	6.1	(2.77-9.36)	6.2	(3.2-11.3)
Elko	12	5.3	(2.29-8.26)	8.4	(3.9-16.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	1	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	24	12.9	(7.77-18.13)	11.6	(7.4-17.7)
Mineral	3	---	---	---	---
Nye	18	10.6	(5.71-15.53)	7.8	(4.5-13.4)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	148	8.5	(7.11-9.83)	9.5	(8.0-11.2)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	822	7.8	(7.30-8.37)	8.4	(7.8-9.0)

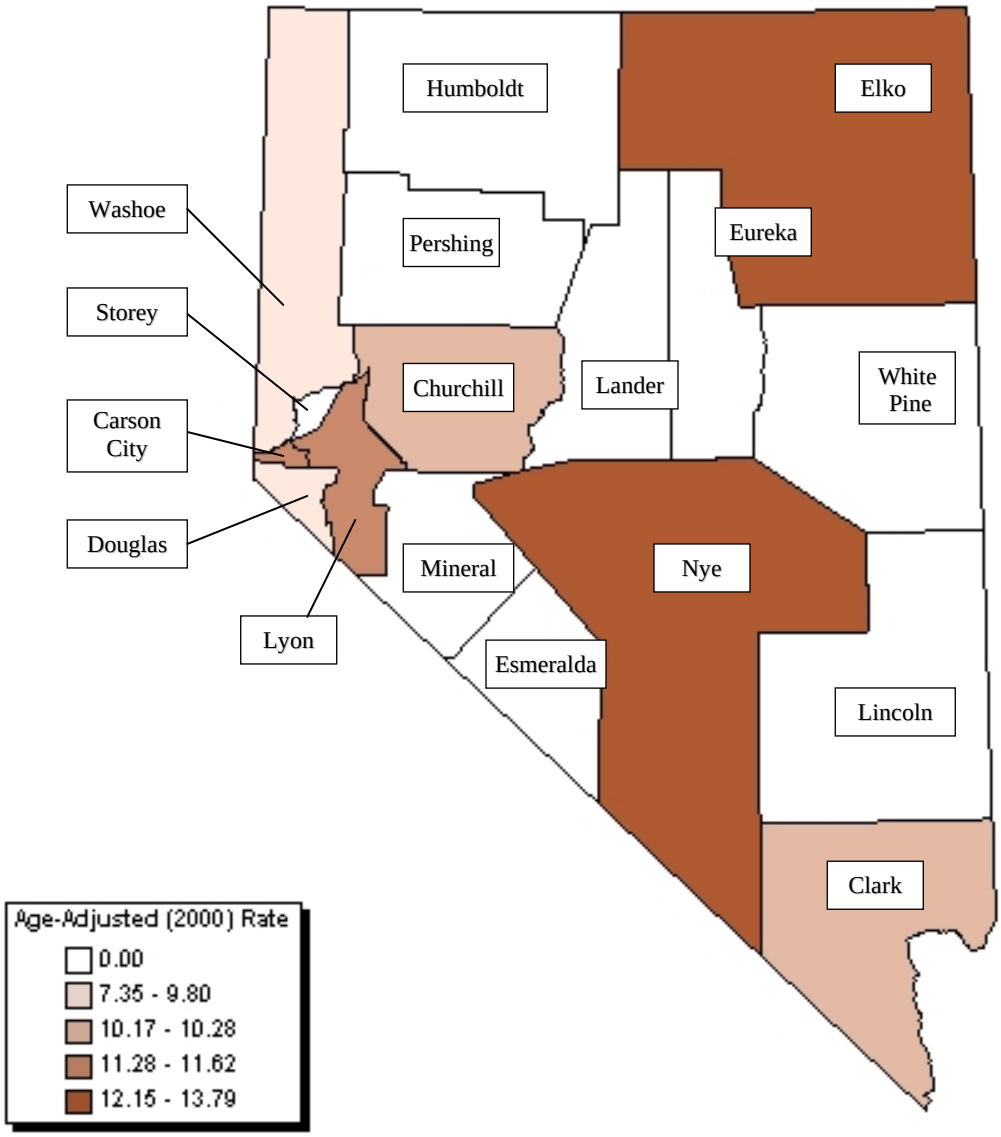
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges ($)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	4	---	---	---	---	---	---
25-34	6	---	---	---	---	---	---
35-44	27	1,633,744	60,509	30,112	289	10.7	8.0
45-54	88	4,616,261	52,458	25,121	858	9.8	7.0
55-64	194	9,381,260	48,357	29,830	1,905	9.8	7.0
65-74	262	13,408,008	51,176	28,665	2,531	9.7	7.0
75-84	191	8,209,694	42,983	27,252	1,697	8.9	7.0
85+	50	1,596,206	31,924	23,958	372	7.4	6.5
Unknown	0	---	---	---	---	---	---
Total	822	39,665,508	48,255	27,879	7,803	9.5	7.0

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

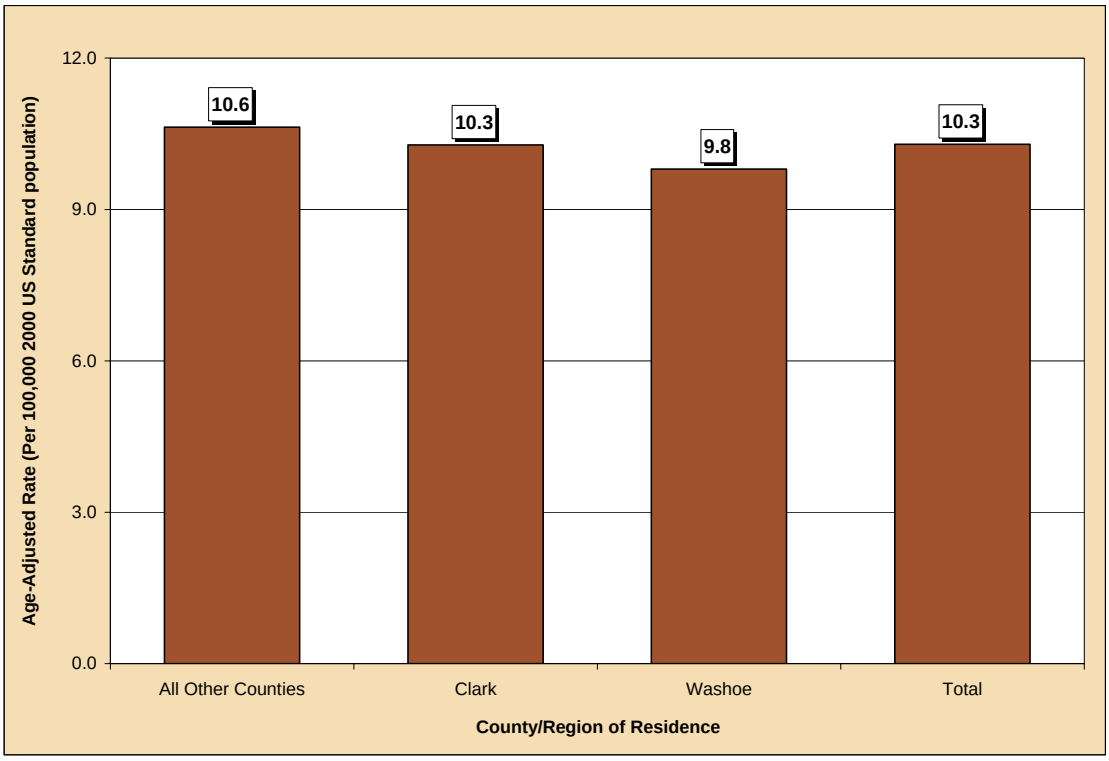


Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

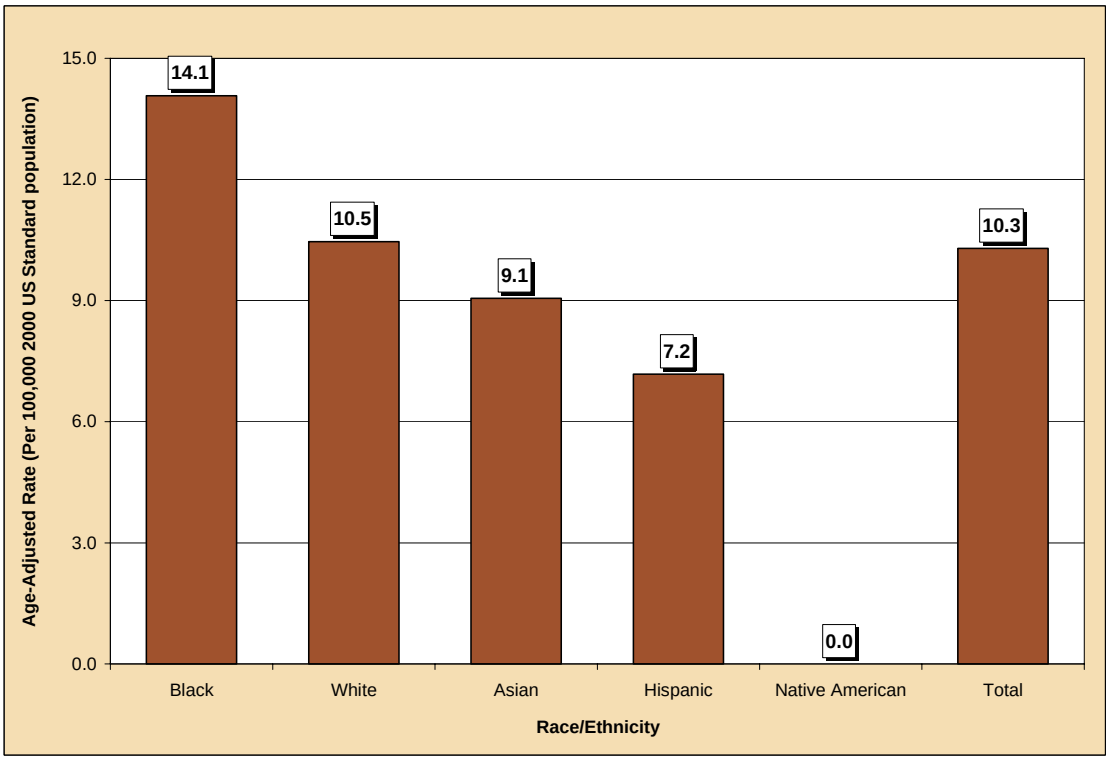


Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	977	669	145	163
Rate*	10.3	10.3	9.8	10.6
95% C.I.	(9.6-11.0)	(9.5-11.1)	(8.2-11.6)	(9.0-12.5)
Gender				
Male	509	509	509	509
Rate*	11.5	11.7	9.2	12.3
95% C.I.	(10.4-12.6)	(10.5-13.2)	(6.9-12.1)	(9.8-15.5)
Female	468	468	468	468
Rate*	9.3	9.1	10.2	9.3
95% C.I.	(8.5-10.2)	(8.1-10.1)	(8.1-12.7)	(7.3-11.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	827	552	127	148
Rate*	10.5	10.6	9.7	10.5
95% C.I.	(9.7-11.2)	(9.7-11.6)	(8.1-11.6)	(8.9-12.5)
Black	64	58	5	1
Rate*	14.1	13.6	---	---
95% C.I.	(10.6-18.6)	(10.1-18.4)	---	---
Native American	6	1	1	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	31	26	3	2
Rate*	9.1	9.4	---	---
95% C.I.	(5.5-14.9)	(5.3-16.7)	---	---
Hispanic	46	29	9	8
Rate*	7.2	5.2	---	---
95% C.I.	(4.9-10.5)	(3.2-8.5)	---	---
Other/Unknown	3	3	0	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 248. Pancreatic Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	977	669	145	163
Rate*	10.3	10.3	9.8	10.6
95% C.I.	(9.6-11.0)	(9.5-11.1)	(8.2-11.6)	(9.0-12.5)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	2	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	17	11	4	2
Rate*	1.0	1.0	---	---
95% C.I.	(0.54-1.52)	(0.39-1.52)	---	---
45-54	85	61	13	11
Rate*	6.0	6.4	5.1	5.1
95% C.I.	(4.71-7.25)	(4.80-8.01)	(2.34-7.93)	(2.09-8.11)
55-64	201	142	25	34
Rate*	19.5	20.1	15.2	21.4
95% C.I.	(16.84-22.24)	(16.82-23.44)	(9.25-21.17)	(14.22-28.61)
65-74	307	215	38	54
Rate*	44.6	45.6	36.4	48.1
95% C.I.	(39.64-49.63)	(39.53-51.72)	(24.82-47.95)	(35.30-60.98)
75-84	284	196	43	45
Rate*	72.4	73.9	69.9	68.9
95% C.I.	(63.98-80.83)	(63.51-84.19)	(49.03-90.83)	(48.73-88.97)
85+	78	41	21	16
Rate*	88.7	73.7	126.4	101.6
95% C.I.	(68.98-108.33)	(51.15-96.28)	(72.34-180.46)	(51.82-151.39)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

Table 249. Pancreatic Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	35	13.8	(9.25-18.41)	11.6	(8.1-16.3)
Churchill	12	9.8	(4.24-15.29)	10.2	(5.2-18.4)
Clark	669	9.1	(8.44-9.82)	10.3	(9.5-11.1)
Douglas	17	7.9	(4.16-11.70)	7.4	(4.1-12.5)
Elko	15	6.6	(3.26-9.93)	12.2	(6.3-22.0)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	24	12.9	(7.77-18.13)	11.3	(7.2-17.2)
Mineral	3	---	---	---	---
Nye	34	20.1	(13.32-26.80)	13.8	(9.3-20.4)
Pershing	3	---	---	---	---
Storey	4	---	---	---	---
Washoe	145	8.3	(6.95-9.65)	9.8	(8.2-11.6)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	977	9.3	(8.72-9.89)	10.3	(9.6-11.0)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity		Gender			
		Male	Female	Other/ Unknown	Total
White	Incidence	441	386	0	827
	Rate*	11.8	9.3	---	10.5
	95% C.I.	(10.6-13.0)	(8.4-10.3)	---	(9.7-11.2)
Black	Incidence	30	34	0	64
	Rate*	13.9	14.5	---	14.1
	95% C.I.	(8.6-22.9)	(9.9-20.7)	---	(10.6-18.6)
Native American	Incidence	4	2	0	6
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	10	21	0	31
	Rate*	8.8	9.4	---	9.1
	95% C.I.	(3.1-21.3)	(5.3-17.3)	---	(5.5-14.9)
Hispanic	Incidence	23	23	0	46
	Rate*	9.4	6.1	---	7.2
	95% C.I.	(4.9-17.4)	(3.6-10.2)	---	(4.9-10.5)
Other/Unknown		1	2	0	3
Total	Incidence	509	468	0	977
	Rate*	11.5	9.3	---	10.3
	95% C.I.	(10.4-12.6)	(8.5-10.2)	---	(9.6-11.0)

Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	7	10	17
Rate*	---	1.26	1.03
95% C.I.	---	(0.48-2.03)	(0.54-1.52)
45-54	56	29	85
Rate*	7.78	4.14	5.98
95% C.I.	(5.74-9.81)	(2.63-5.64)	(4.71-7.25)
55-64	113	88	201
Rate*	22.24	16.91	19.54
95% C.I.	(18.14-26.34)	(13.38-20.44)	(16.84-22.24)
65-74	168	139	307
Rate*	49.51	39.89	44.63
95% C.I.	(42.02-56.99)	(33.26-46.52)	(39.64-49.63)
75-84	130	154	284
Rate*	73.34	71.63	72.40
95% C.I.	(60.73-85.95)	(60.32-82.95)	(63.98-80.83)
85+	33	45	78
Rate*	113.46	76.40	88.65
95% C.I.	(74.75-152.18)	(54.08-98.73)	(68.98-108.33)
Unknown	0	0	0
Total	509	468	977
Rate*	9.54	9.06	9.31
95% C.I.	(8.71-10.37)	(8.24-9.89)	(8.72-9.89)

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

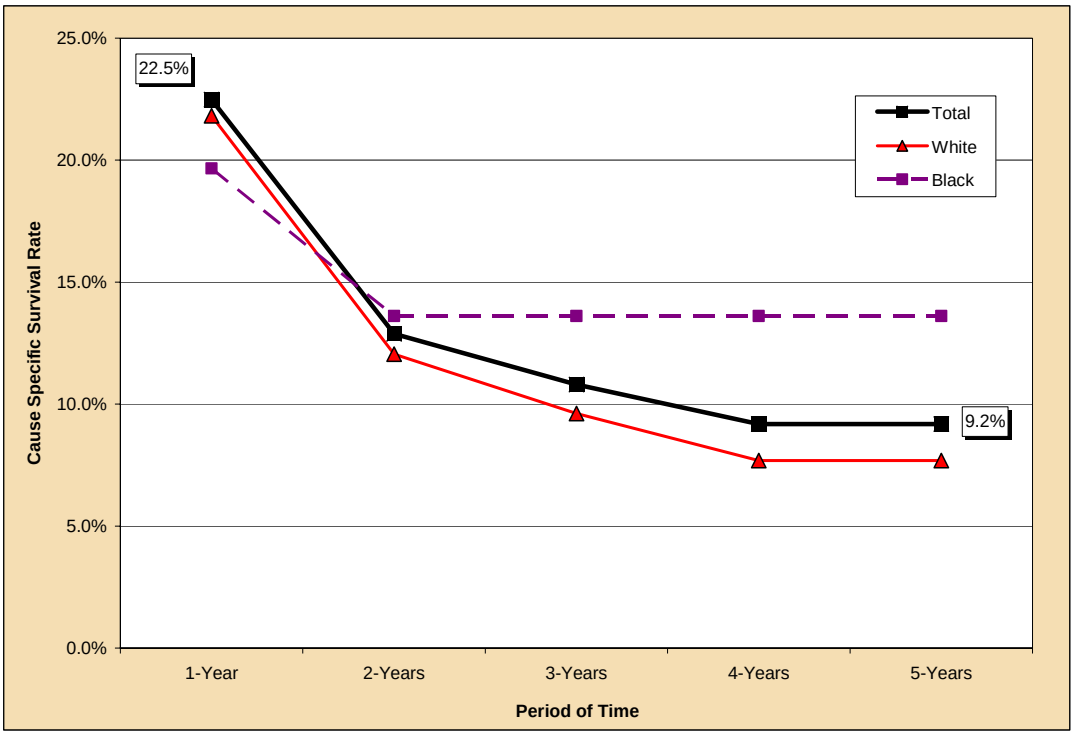
Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	441	69.0	386	73.0	827	71.0
Black	30	64.5	34	69.0	64	68.0
Native American	4	---	2	---	6	69.5
Asian	10	69.0	21	69.0	31	69.0
Hispanic	23	66.0	23	63.0	46	63.5
Other/Unknown	1	---	2	---	3	---
Total	509	69.0	468	72.0	977	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 164. Survival Rates for Pancreatic Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

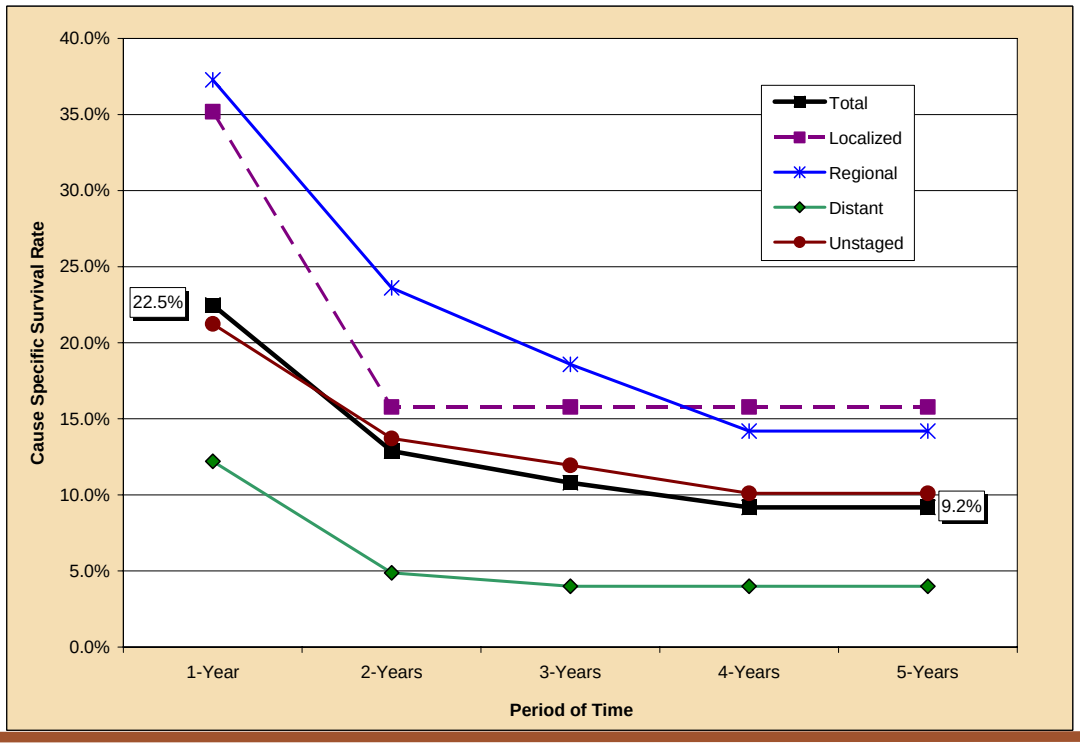


Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	861	22.5%	12.9%	10.8%	9.2%	9.2%	0.64
Male	454	23.4%	13.4%	11.0%	7.5%	7.5%	0.65
Female	407	21.5%	12.3%	10.6%	10.6%	10.6%	0.64
Race/Ethnicity							
White	712	21.8%	12.1%	9.6%	7.7%	7.7%	0.64
Male	381	22.0%	12.4%	9.7%	5.8%	5.8%	0.64
Female	331	21.7%	11.7%	9.5%	9.5%	9.5%	0.64
Black	63	19.7%	13.6%	13.6%	13.6%	13.6%	0.62
Male	29	---	---	---	---	---	.
Female	34	---	---	---	---	---	.
Native American	0	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	32	---	---	---	---	---	.
Male	13	---	---	---	---	---	.
Female	19	---	---	---	---	---	.
Hispanic	47	---	---	---	---	---	.
Male	28	---	---	---	---	---	.
Female	19	---	---	---	---	---	.

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 254. Cause-Specific Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	861	454	407
	One Year	22.5%	23.4%	21.5%
	5 Years	9.2%	7.5%	10.6%
	Median Survival	0.64	0.65	0.64
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	57	27	30
	One Year	35.2%	---	---
	5 Years	15.8%	---	---
	Median Survival	0.77	.	.
Regional	Cases	208	115	93
	One Year	37.3%	40.7%	33.0%
	5 Years	14.2%	8.9%	19.5%
	Median Survival	0.80	0.84	0.75
Distant	Cases	327	174	153
	One Year	12.2%	13.9%	10.3%
	5 Years	4.0%	0.0%	2.9%
	Median Survival	0.57	0.58	0.56
Unstaged	Cases	269	138	131
	One Year	21.2%	18.5%	24.2%
	5 Years	10.1%	9.2%	10.7%
	Median Survival	0.63	0.61	0.66

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to national rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL OTHER CANCERS

ALL OTHER CANCERS

Table 255. Cancer Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada Residents, 1999-2003

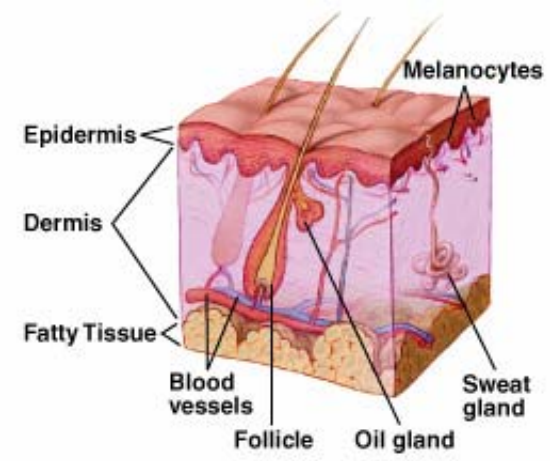
Type of Cancer		Incidence	Hospital Admissions	Mortality
Total		**44,824**	**33,951**	**17,459**
	Rate*	**470.2**	**351.8**	**204.8**
	95% C.I.	**(465.8-474.7)**	**(348.0-355.6)**	**(201.7-207.9)**
Skin		1,333	88	264
	Rate*	13.5	0.9	2.9
	95% C.I.	(12.8-14.3)	(0.7-1.2)	(2.6-3.3)
Corpus Uteri & Uterus NOS		915	853	134
	Rate*	18.2	16.8	3.0
	95% C.I.	(17.0-19.4)	(15.7-18.0)	(2.5-3.6)
Ovary		755	721	376
	Rate*	15.0	14.3	8.2
	95% C.I.	(14.0-16.2)	(13.3-15.4)	(7.4-9.0)
Thyroid Gland		843	1,167	29
	Rate*	8.2	11.3	0.3
	95% C.I.	(7.7-8.8)	(10.7-12.0)	(0.2-0.5)
Brain and Other Central Nervous System		626	824	338
	Rate*	6.4	8.3	3.7
	95% C.I.	(5.9-6.9)	(7.7-8.9)	(3.3-4.2)
Stomach		584	584	325
	Rate*	6.5	6.2	3.9
	95% C.I.	(5.9-7.0)	(5.7-6.7)	(3.5-4.4)
Liver and Intrahepatic Bile Ducts		534	358	415
	Rate*	5.6	3.7	4.8
	95% C.I.	(5.1-6.1)	(3.3-4.1)	(4.3-5.3)
Cervix Uteri		507	632	140
	Rate*	10.1	12.5	3.0
	95% C.I.	(9.2-11.0)	(11.5-13.5)	(2.5-3.5)
Esophagus		512	311	384
	Rate*	5.3	3.2	4.2
	95% C.I.	(4.9-5.8)	(2.8-3.6)	(3.8-4.7)
Larynx		375	195	124
	Rate*	3.9	2.0	1.4
	95% C.I.	(3.5-4.3)	(1.7-2.3)	(1.2-1.7)
Multiple Myeloma		426	337	261
	Rate*	4.6	3.5	3.0
	95% C.I.	(4.1-5.0)	(3.1-3.9)	(2.7-3.4)
Hodgkin's Lymphoma		248	110	38
	Rate*	2.4	1.1	0.4
	95% C.I.	(2.1-2.8)	(0.9-1.3)	(0.3-0.6)
All Other Sites		3,172	7,954	2,029
	Rate*	33.8	82.5	24.1
	95% C.I.	(32.6-35.1)	(80.7-84.4)	(23.1-25.3)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender-specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten.

SKIN CANCER

GENERAL PROFILE[4]

Figure 166. Anatomy of the Skin[4]



General Anatomy: The skin is the body's largest organ. It protects against heat, sunlight, injury, and infection. It helps regulate body temperature, stores water and fat, and produces vitamin D. The skin has two main layers: the outer epidermis and the inner dermis. The epidermis is mostly made up of flat, scalelike cells called squamous cells. Round cells called basal cells lie under the squamous cells in the epidermis. The lower part of the epidermis also contains melanocytes. The dermis contains blood vessels, lymph vessels, hair follicles, and glands. Some of these glands produce sweat, which helps regulate body temperature. Other glands produce sebum, an oily substance that helps keep the skin from drying out. Sweat and sebum reach the skin's surface through tiny openings called pores. Melanoma is one of the most common cancers and occurs when melanocytes (pigment cells) become malignant.

Risk Factors: Dysplastic nevi moles, many (more than 50) ordinary moles, fair skin, personal history of melanoma or skin cancer, family history of melanoma, weakened immune system, severe blistering sunburns, and ultraviolet (UV) radiation.

Signs and Symptoms: Asymetrical, border, color, and diameter changes in a mole, and Dysplastic Nevi moles are common signs and symptoms.

Diagnosing the Cancer: Excisional biopsy.

Treatment: Treatment options include: surgery (Sentinel lymph node biopsy, Lymph node dissection), chemotherapy (Orally or injection or Isolated limb perfusion), biological therapy, or radiation therapy.

Table 256. Skin Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,787	1,314	262	211	0	31,586
Rate*	17.7	17.7	17.7	17.7	---	17.3
95% C.I.	(16.8-18.5)	(16.8-18.5)	(16.8-18.5)	(16.8-18.5)	---	(17.1-17.5)
Gender						
Male	1,064	1,064	1,064	1,064	0	17,072
Rate*	22.1	22.1	22.1	22.1	---	21.5
95% C.I.	(20.7-23.6)	(20.7-23.6)	(20.7-23.6)	(20.7-23.6)	---	(21.1-21.8)
Female	722	722	722	722	0	13,406
Rate*	13.9	13.9	13.9	13.9	---	13.9
95% C.I.	(12.9-15.0)	(12.9-15.0)	(12.9-15.0)	(12.9-15.0)	---	(13.6-14.1)
Other/Unknown	1	1	0	0	0	0
Race/Ethnicity						
White	1,712	1,248	257	207	0	28,929
Rate*	22.1	22.1	22.1	22.1	---	20.3
95% C.I.	(21.1-23.2)	(21.1-23.2)	(21.1-23.2)	(21.1-23.2)	---	(20.1-20.6)
Black	14	13	0	1	0	157
Rate*	3.0	3.0	---	---	---	1.0
95% C.I.	(1.5-5.6)	(1.5-5.6)	---	---	---	(0.9-1.2)
Native American	3	1	1	1	0	35
Rate*	---	---	---	---	---	1.9
95% C.I.	---	---	---	---	---	(1.3-1.3)
Asian	7	7	0	0	0	294
Rate*	---	---	---	---	---	1.6
95% C.I.	---	---	---	---	---	(1.4-1.8)
Hispanic	32	29	2	1	0	899
Rate*	3.1	3.1	---	---	---	4.3
95% C.I.	(1.8-5.4)	(1.8-5.4)	---	---	---	(4.0-4.6)
Other/Unknown	19	16	2	1	0	1,068

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 257. Skin Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	93	65	12	16	0
Rate*	0.9	0.9	0.8	1.0	---
95% C.I.	(0.7-1.1)	(0.7-1.2)	(0.4-1.3)	(0.6-1.7)	---
Gender					
Male	61	43	10	8	0
Rate*	1.2	1.3	1.4	---	---
95% C.I.	(0.9-1.6)	(0.9-1.8)	(0.7-2.6)	---	---
Female	32	22	2	8	0
Rate*	0.6	0.6	---	---	---
95% C.I.	(0.4-0.9)	(0.4-1.0)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$2,038,956	$1,551,404	$293,688	$193,864	$0
Average Charges	$21,924	$23,868	$24,474	$12,117	$0
Median Charges	$14,136	$13,530	$21,745	$11,656	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	316	234	37	45	0
Average LOS	3.4	3.6	3.1	2.8	0.0
Median LOS	2.0	2.0	2.5	1.5	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 258. Skin Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

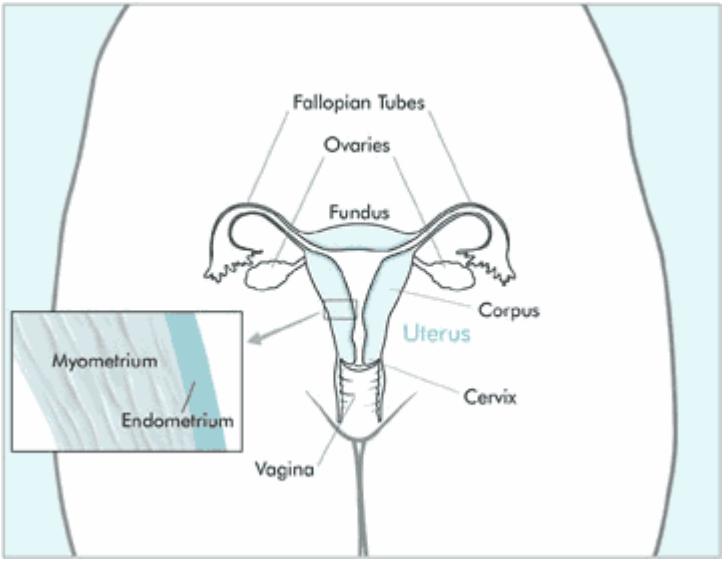
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	289	185	48	56
Rate*	2.9	2.7	3.0	3.6
95% C.I.	(2.6-3.3)	(2.3-3.2)	(2.2-4.0)	(2.7-4.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	7	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	34	19	9	6
Rate*	2.1	1.7	---	---
95% C.I.	(1.36-2.74)	(0.91-2.40)	---	---
45-54	55	33	13	9
Rate*	3.9	3.5	5.1	---
95% C.I.	(2.85-4.89)	(2.28-4.65)	(2.34-7.93)	---
55-64	60	43	4	13
Rate*	5.8	6.1	---	8.2
95% C.I.	(4.36-7.31)	(4.27-7.92)	---	(3.74-12.64)
65-74	63	39	6	18
Rate*	9.2	8.3	---	16.1
95% C.I.	(6.90-11.42)	(5.68-10.87)	---	(8.63-23.46)
75-84	52	35	10	7
Rate*	13.3	13.2	16.3	---
95% C.I.	(9.65-16.86)	(8.82-17.56)	(6.18-26.34)	---
85+	14	8	3	3
Rate*	15.9	---	---	---
95% C.I.	(7.58-24.25)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

UTERINE CANCER

GENERAL PROFILE[4]

Figure 167. Anatomical Drawing of Female Reproductive System[4]



General Anatomy: The uterus is part of a woman's reproductive system. It is the hollow, pear-shaped organ where a baby grows. The uterus is in the pelvis between the bladder and the rectum. The narrow, lower portion of the uterus is the cervix. The broad, middle part of the uterus is the body, or corpus. The dome-shaped top of the uterus is the fundus. The fallopian tubes extend from either side of the top of the uterus to the ovaries.

The wall of the uterus has two layers of tissue. The inner layer, or lining, is the endometrium. The outer layer is muscle tissue called the myometrium. In women of childbearing age, the lining of the uterus grows and thickens each month to prepare for pregnancy. If a woman does not become pregnant, the thick, bloody lining flows out of the body through the vagina. This flow is called menstruation.

Risk Factors: Age (Women over 50), Endometrial hyperplasia, Hormone replacement therapy (HRT), Obesity and related conditions, Women taking the drug Tamoxifen, Race (White Females), and Inherited form of Colorectal Cancer.

Signs and Symptoms: Unusual vaginal bleeding or discharge, difficult or painful urination, pain during intercourse, and pain in the pelvic area.

Diagnosing the Cancer: Pelvic exam, Pap test, transvaginal ultrasound, and biopsy.

Treatment: Treatment options include: surgery (Hysterectomy), radiation therapy and hormonal therapy.

Table 259. Uterine Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	984	685	157	142	0	23,466
Rate*	9.7	9.7	9.7	9.7	---	13.2
95% C.I.	(9.1-10.4)	(9.1-10.4)	(9.1-10.4)	(9.1-10.4)	---	(13.0-13.3)
Gender						
Male	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Female	984	984	984	984	0	23,226
Rate*	18.8	18.8	18.8	18.8	---	24.5
95% C.I.	(17.6-20.0)	(17.6-20.0)	(17.6-20.0)	(17.6-20.0)	---	(24.2-24.8)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	839	567	141	131	0	19,682
Rate*	20.4	20.4	20.4	20.4	---	26.1
95% C.I.	(19.0-21.8)	(19.0-21.8)	(19.0-21.8)	(19.0-21.8)	---	(25.7-26.5)
Black	39	39	0	0	0	1,536
Rate*	14.4	14.4	---	---	---	18.1
95% C.I.	(10.1-20.2)	(10.1-20.2)	---	---	---	(17.2-19.1)
Native American	5	0	2	3	0	107
Rate*	---	---	---	---	---	10.2
95% C.I.	---	---	---	---	---	(8.2-12.5)
Asian	38	27	7	4	0	1,762
Rate*	11.2	11.2	---	---	---	17.2
95% C.I.	(7.8-16.0)	(7.8-16.0)	---	---	---	(16.4-18.1)
Hispanic	50	40	6	4	0	1,742
Rate*	10.1	10.1	---	---	---	16.5
95% C.I.	(7.3-13.9)	(7.3-13.9)	---	---	---	(15.7-17.3)
Other/Unknown	13	12	1	0	0	162

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 260. Uterine Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	896	636	147	113	0
Rate*	8.8	9.1	8.9	7.2	---
95% C.I.	(8.2-9.4)	(8.4-9.8)	(7.5-10.5)	(5.9-8.7)	---
Gender					
Male	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	896	636	147	113	0
Rate*	17.0	17.6	17.2	14.0	---
95% C.I.	(15.9-18.2)	(16.3-19.1)	(14.5-20.3)	(11.6-17.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$28,200,384	$19,906,653	$4,723,380	$3,570,351	$0
Average Charges	$31,474	$31,300	$32,132	$31,596	$0
Median Charges	$25,099	$23,105	$31,437	$26,139	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	4,082	2,959	636	487	0
Average LOS	4.6	4.7	4.3	4.3	0.0
Median LOS	3.0	3.0	3.0	3.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 261. Uterine Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

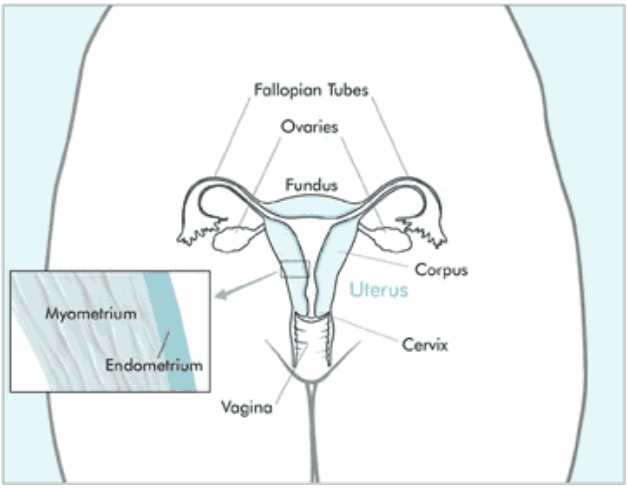
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	149	110	21	18
Rate*	3.0	3.3	2.6	2.3
95% C.I.	(2.6-3.6)	(2.7-4.0)	(1.6-4.0)	(1.4-3.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	7	7	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	20	17	2	1
Rate*	2.9	3.6	---	---
95% C.I.	(1.60-4.10)	(1.90-5.34)	---	---
55-64	24	18	3	3
Rate*	4.6	5.0	---	---
95% C.I.	(2.77-6.46)	(2.68-7.29)	---	---
65-74	36	25	6	5
Rate*	10.3	10.5	---	---
95% C.I.	(6.96-13.71)	(6.36-14.56)	---	---
75-84	37	27	5	5
Rate*	17.2	18.6	---	---
95% C.I.	(11.67-22.76)	(11.61-25.67)	---	---
85+	23	14	5	4
Rate*	39.1	37.3	---	---
95% C.I.	(23.09-55.01)	(17.74-56.78)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten.

OVARIAN CANCER

GENERAL PROFILE[4]

Figure 168. Anatomical Drawing of Female Reproductive System[4]



General Anatomy: The ovaries are a pair of organs in the female reproductive system. They are located in the pelvis, one on each side of the uterus. Each ovary is about the size and shape of an almond. The ovaries have two functions: they produce eggs and female hormones (chemicals that control the way certain cells or organs function).

Every month, during the menstrual cycle, an egg is released from one ovary in a process called ovulation. The egg travels from the ovary through the fallopian tube to the uterus. The ovaries are also the main source of the female hormones estrogen and progesterone, which influence the development of a woman's breasts, body shape, and body hair. They also regulate the menstrual cycle and pregnancy.

Risk Factors: Family History, Age (Women over 50, especially over 60), Women who never had children, Personal history of Breast or Colorectal Cancer, Use of Fertility drugs, Use of Talc, and Hormone replacement therapy (HRT).

Signs and Symptoms: General abdominal discomfort and/or pain (gas, indigestion, pressure, swelling, bloating, cramps), Nausea, diarrhea, constipation, or frequent urination, Loss of appetite, Feeling of fullness even after a light meal, Weight gain or loss with no known reason, and Abnormal bleeding from the vagina.

Diagnosing the Cancer: Pelvic exam, ultrasound, CA-125 assay blood test, lower gastrointestinal (GI) series, or barium enema (Colon and Rectum X-rays), CT (or CAT) scan, and biopsy.

Treatment: Surgery (hysterectomy with bilateral Salpingo-oophorectomy), chemotherapy, radiation therapy, and clinical trials.

Table 262. Ovarian Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	752	514	134	104	0	13,576
Rate*	7.5	7.5	7.5	7.5	---	7.6
95% C.I.	(7.0-8.1)	(7.0-8.1)	(7.0-8.1)	(7.0-8.1)	---	(7.4-7.7)
Gender						
Male	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Female	752	752	752	752	0	13,333
Rate*	14.5	14.5	14.5	14.5	---	13.9
95% C.I.	(13.5-15.6)	(13.5-15.6)	(13.5-15.6)	(13.5-15.6)	---	(13.7-14.2)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	633	430	114	89	0	11,279
Rate*	15.6	15.6	15.6	15.6	---	14.8
95% C.I.	(14.4-16.9)	(14.4-16.9)	(14.4-16.9)	(14.4-16.9)	---	(14.6-15.1)
Black	34	29	4	1	0	875
Rate*	13.6	13.6	---	---	---	10.1
95% C.I.	(9.2-19.6)	(9.2-19.6)	---	---	---	(9.4-10.8)
Native American	3	0	0	3	0	86
Rate*	---	---	---	---	---	9.0
95% C.I.	---	---	---	---	---	(7.1-11.4)
Asian	31	24	6	1	0	1,062
Rate*	9.9	9.9	---	---	---	10.3
95% C.I.	(6.6-14.6)	(6.6-14.6)	---	---	---	(9.7-10.9)
Hispanic	45	29	10	6	0	1,195
Rate*	7.8	7.8	7.8	---	---	11.2
95% C.I.	(5.5-11.2)	(5.5-11.2)	(5.5-11.2)	---	---	(10.6-11.9)
Other/Unknown	6	2	0	4	0	46

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 263. Ovarian Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	709	469	148	91	1
Rate*	6.9	6.7	8.9	5.9	---
95% C.I.	(6.4-7.5)	(6.1-7.4)	(7.5-10.6)	(4.7-7.3)	---
Gender					
Male	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	709	469	148	91	1
Rate*	13.5	13.1	17.2	11.6	---
95% C.I.	(12.6-14.6)	(11.9-14.4)	(14.6-20.3)	(9.3-14.4)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$41,821,261	$26,772,062	$10,506,016	$4,464,708	$78,475
Average Charges	$58,986	$57,083	$70,987	$49,063	$78,475
Median Charges	$37,768	$35,164	$51,756	$35,836	$78,475
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,165	3,832	1,627	683	23
Average LOS	8.7	8.2	11.0	7.5	23.0
Median LOS	6.0	6.0	9.0	6.0	23.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 264. Ovarian Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

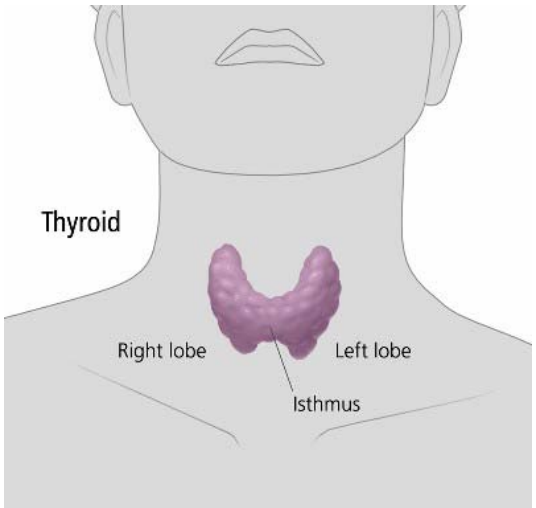
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	426	300	76	50
Rate*	8.4	8.7	9.1	6.2
95% C.I.	(7.6-9.2)	(7.7-9.7)	(7.2-11.5)	(4.6-8.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	1	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	17	14	2	1
Rate*	2.1	2.6	---	---
95% C.I.	(1.12-3.15)	(1.22-3.90)	---	---
45-54	61	48	11	2
Rate*	8.7	10.2	8.9	---
95% C.I.	(6.52-10.89)	(7.32-13.10)	(3.62-14.10)	---
55-64	87	56	15	16
Rate*	16.7	15.5	18.5	20.5
95% C.I.	(13.20-20.23)	(11.44-19.56)	(9.14-27.88)	(10.43-30.47)
65-74	115	83	21	11
Rate*	33.0	34.7	39.3	19.7
95% C.I.	(26.97-39.03)	(27.25-42.19)	(22.48-56.07)	(8.04-31.28)
75-84	113	81	18	14
Rate*	52.6	55.9	51.4	39.9
95% C.I.	(42.87-62.25)	(43.74-68.10)	(27.63-75.07)	(19.00-60.82)
85+	31	17	8	6
Rate*	52.6	45.3	---	---
95% C.I.	(34.11-71.16)	(23.74-66.76)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten.

THYROID GLAND CANCER

GENERAL PROFILE[4]

Figure 169. Anatomical Drawing of the Thyroid Gland[4]



General Anatomy: The thyroid is a gland in the neck. It has two kinds of cells that make hormones. Follicular cells make thyroid hormone, which affects heart rate, body temperature, and energy level. C cells make calcitonin, a hormone that helps control the level of calcium in the blood. The thyroid is shaped like a butterfly and lies at the front of the neck, beneath the voice box (larynx). It has two parts, or lobes. The two lobes are separated by a thin section called the isthmus. A healthy thyroid is a little larger than a quarter. It usually cannot be felt through the skin. A swollen lobe might look or feel like a lump in the front of the neck. A swollen thyroid is called a goiter. Most goiters are caused by not enough iodine in the diet.

Risk Factors: Exposure to radiation, Family history, Being female, Age (over 40), Race (Whites are more likely to be diagnosed with Thyroid Cancer than Blacks, as a racial/ethnic group,), and not enough iodine in the diet.

Signs and Symptoms: A lump, or nodule, in the front of the neck near the Adam's apple, hoarseness or difficulty speaking in a normal voice, swollen lymph nodes, especially in the neck, difficulty swallowing or breathing, or pain in the throat or neck.

Diagnosing the Cancer: Physical exam, blood tests, ultrasonography, radionuclide scanning, and fine-needle aspiration.

Treatment: surgery (Total thyroidectomy, Lobectomy), radioactive iodine, hormone treatment, external radiation, and chemotherapy.

Table 265. Thyroid Gland Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	982	699	180	103	0	14,527
Rate*	9.2	9.2	9.2	9.2	---	7.6
95% C.I.	(8.7-9.8)	(8.7-9.8)	(8.7-9.8)	(8.7-9.8)	---	(7.5-7.7)
Gender						
Male	219	219	219	219	0	3,335
Rate*	4.2	4.2	4.2	4.2	---	3.8
95% C.I.	(3.6-4.8)	(3.6-4.8)	(3.6-4.8)	(3.6-4.8)	---	(3.7-4.0)
Female	763	763	763	763	0	10,138
Rate*	14.5	14.5	14.5	14.5	---	10.5
95% C.I.	(13.5-15.6)	(13.5-15.6)	(13.5-15.6)	(13.5-15.6)	---	(10.2-10.7)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	792	536	159	97	0	10,909
Rate*	10.6	10.6	10.6	10.6	---	7.5
95% C.I.	(9.8-11.3)	(9.8-11.3)	(9.8-11.3)	(9.8-11.3)	---	(7.3-7.6)
Black	35	30	4	1	0	734
Rate*	5.5	5.5	---	---	---	4.2
95% C.I.	(3.7-8.3)	(3.7-8.3)	---	---	---	(3.8-4.5)
Native American	2	0	1	1	0	93
Rate*	---	---	---	---	---	4.0
95% C.I.	---	---	---	---	---	(3.2-3.2)
Asian	63	51	12	0	0	1,651
Rate*	11.1	11.1	11.1	---	---	8.1
95% C.I.	(8.2-16.0)	(8.2-16.0)	(8.2-16.0)	---	---	(7.7-8.5)
Hispanic	75	68	4	3	0	1,721
Rate*	4.8	4.8	---	---	---	6.3
95% C.I.	(3.6-6.2)	(3.6-6.2)	---	---	---	(6.0-6.7)
Other/Unknown	15	14	0	1	0	115

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 266. Thyroid Gland Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,401	1,148	163	90	0
Rate*	13.1	15.6	9.1	6.0	---
95% C.I.	(12.5-13.9)	(14.7-16.5)	(7.8-10.7)	(4.8-7.4)	---
Gender					
Male	295	237	32	26	0
Rate*	5.6	6.6	3.5	3.3	---
95% C.I.	(5.0-6.3)	(5.8-7.6)	(2.4-5.0)	(2.1-4.9)	---
Female	1,106	911	131	64	0
Rate*	21.0	25.0	14.9	8.7	---
95% C.I.	(19.8-22.3)	(23.4-26.7)	(12.4-17.7)	(6.7-11.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$20,510,365	$16,517,641	$2,737,823	$1,254,901	$0
Average Charges	$14,640	$14,388	$16,796	$13,943	$0
Median Charges	$11,811	$10,904	$14,243	$12,738	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,956	2,410	368	178	0
Average LOS	2.1	2.1	2.3	2.0	0.0
Median LOS	2.0	2.0	2.0	2.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 267. Thyroid Gland Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

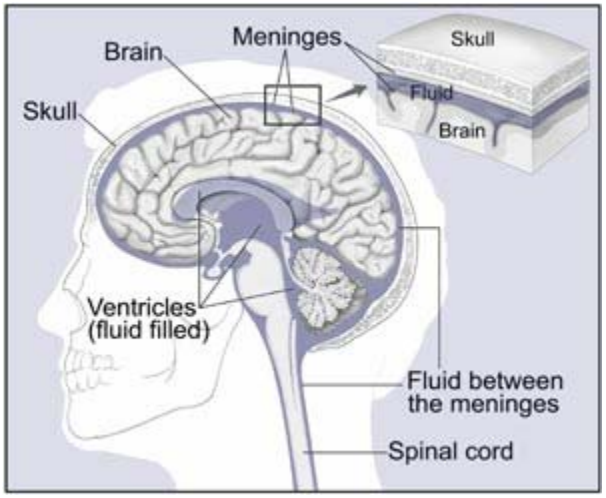
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	32	24	4	4
Rate*	0.3	0.4	0.0	0.0
95% C.I.	(0.2-0.5)	(0.2-0.6)	---	---
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	6	4	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	8	7	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
75-84	11	8	1	2
Rate*	2.8	---	---	---
95% C.I.	(1.15-4.46)	---	---	---
85+	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

BRAIN AND OTHER CENTRAL NERVOUS SYSTEM CANCER

GENERAL PROFILE[4]

Figure 170. Anatomical Drawing of the Brain and Nearby Structures[4]



General Anatomy: The brain is a soft, spongy mass of tissue. It is protected by the bones of the skull and three thin membranes called meninges. Watery fluid called cerebrospinal fluid cushions the brain. This fluid flows through spaces between the meninges and through spaces within the brain called ventricles. A network of nerves carries messages back and forth between the brain and the rest of the body. Some nerves go directly from the brain to the eyes, ears, and other parts of the head. Other nerves run through the spinal cord to connect the brain with the other parts of the body. Within the brain and spinal cord, glial cells surround nerve cells and hold them in place.

Risk Factors: Being male, being white, age (over 70 years of age), family history, and exposure to: radiation or certain chemicals: formaldehyde, vinyl chloride, and acrylonitrile.

Signs and Symptoms: Headaches (usually worse in the morning), nausea or vomiting, changes in speech, vision, or hearing, problems balancing or walking, changes in mood, personality, or ability to concentrate, problems with memory, muscle jerking or twitching (seizures or convulsions), and numbness or tingling in the arms or legs.

Diagnosing the Cancer: Physical exam, neurologic exam, computed tomography (CAT) scan, magnetic resonance imaging (MRI), angiogram, skull x-ray, spinal tap, myelogram, and biopsy.

Treatment: surgery (Craniotomy), radiation therapy (Fractionation, Hyperfractionation, Stereotactic, 3-dimensional conformal, and Proton beam), and chemotherapy

Table 268. Brain and Other Central Nervous System Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	649	417	116	116	0	11,742
Rate*	6.5	6.5	6.5	6.5	---	6.4
95% C.I.	(6.0-7.0)	(6.0-7.0)	(6.0-7.0)	(6.0-7.0)	---	(6.3-6.5)
Gender						
Male	377	377	377	377	0	6,396
Rate*	7.7	7.7	7.7	7.7	---	7.6
95% C.I.	(6.9-8.5)	(6.9-8.5)	(6.9-8.5)	(6.9-8.5)	---	(7.4-7.8)
Female	272	272	272	272	0	5,157
Rate*	5.3	5.3	5.3	5.3	---	5.3
95% C.I.	(4.7-6.0)	(4.7-6.0)	(4.7-6.0)	(4.7-6.0)	---	(5.2-5.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	539	331	98	110	0	10,116
Rate*	7.1	7.1	7.1	7.1	---	7.1
95% C.I.	(6.5-7.7)	(6.5-7.7)	(6.5-7.7)	(6.5-7.7)	---	(7.0-7.2)
Black	26	24	2	0	0	714
Rate*	4.6	4.6	---	---	---	4.0
95% C.I.	(2.9-7.4)	(2.9-7.4)	---	---	---	(3.7-4.3)
Native American	0	0	0	0	0	57
Rate*	---	---	---	---	---	2.5
95% C.I.	---	---	---	---	---	(1.8-1.8)
Asian	20	17	2	1	0	638
Rate*	3.4	3.4	---	---	---	3.3
95% C.I.	(2.1-5.6)	(2.1-5.6)	---	---	---	(3.0-3.6)
Hispanic	58	41	13	4	0	1,300
Rate*	5.1	5.1	5.1	---	---	5.1
95% C.I.	(3.5-7.7)	(3.5-7.7)	(3.5-7.7)	---	---	(4.7-5.4)
Other/Unknown	6	4	1	1	0	40

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 269. Brain and Other Central Nervous System Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	891	626	130	135	0
Rate*	8.7	8.9	7.7	8.6	---
95% C.I.	(8.1-9.3)	(8.2-9.6)	(6.4-9.2)	(7.2-10.3)	---
Gender					
Male	491	333	79	79	0
Rate*	9.6	9.5	9.3	10.1	---
95% C.I.	(8.8-10.6)	(8.5-10.7)	(7.3-11.9)	(8.0-12.9)	---
Female	400	293	51	56	0
Rate*	7.7	8.3	6.0	7.2	---
95% C.I.	(7.0-8.6)	(7.3-9.3)	(4.4-7.9)	(5.4-9.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$38,980,351	$29,411,876	$4,718,608	$4,849,867	$0
Average Charges	$43,749	$46,984	$36,297	$35,925	$0
Median Charges	$33,685	$34,865	$33,832	$29,714	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,439	4,633	922	884	0
Average LOS	7.2	7.4	7.1	6.5	0.0
Median LOS	5.0	5.0	4.0	5.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 270. Brain and Other Central Nervous System Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

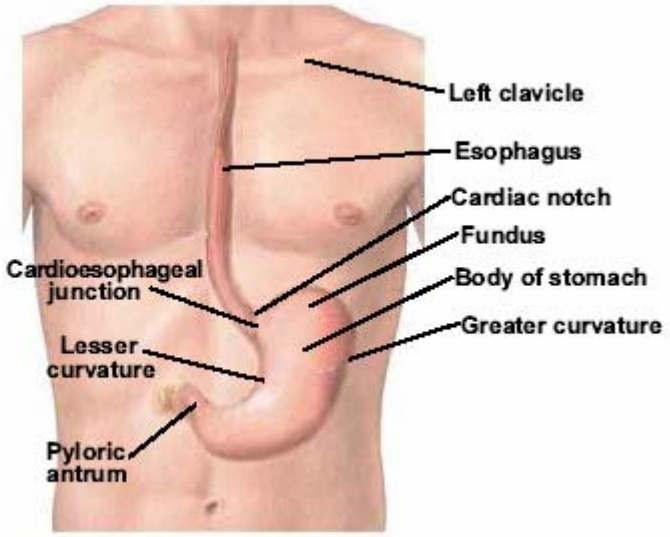
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	402	267	63	72
Rate*	4.1	3.9	4.0	4.6
95% C.I.	(3.7-4.5)	(3.5-4.5)	(3.0-5.1)	(3.6-5.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	7	4	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	8	6	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	13	10	3	0
Rate*	0.8	0.9	---	---
95% C.I.	(0.38-1.29)	(0.33-1.41)	---	---
35-44	30	18	6	6
Rate*	1.8	1.6	---	---
95% C.I.	(1.16-2.46)	(0.84-2.29)	---	---
45-54	57	41	10	6
Rate*	4.0	4.3	4.0	---
95% C.I.	(2.97-5.05)	(2.99-5.62)	(1.50-6.40)	---
55-64	84	56	11	17
Rate*	8.2	7.9	6.7	10.7
95% C.I.	(6.42-9.91)	(5.86-10.02)	(2.74-10.65)	(5.62-15.80)
65-74	96	63	14	19
Rate*	14.0	13.4	13.4	16.9
95% C.I.	(11.16-16.75)	(10.07-16.67)	(6.38-20.43)	(9.32-24.56)
75-84	80	53	8	19
Rate*	20.4	20.0	---	29.1
95% C.I.	(15.93-24.87)	(14.59-25.35)	---	(16.00-42.14)
85+	22	12	7	3
Rate*	25.0	21.6	---	---
95% C.I.	(14.56-35.45)	(9.37-33.78)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

STOMACH CANCER

GENERAL PROFILE[4]

Figure 171. Anatomical Drawing of the Esophagus and Stomach[5]



General Anatomy: The stomach is part of the digestive system. It is located in the upper abdomen, under the ribs. The upper part of the stomach connects to the esophagus, and the lower part leads into the small intestine. When food enters the stomach, muscles in the stomach wall create a rippling motion that mixes and mashes the food. At the same time, juices made by glands in the lining of the stomach help digest the food. After about 3 hours, the food becomes a liquid and moves into the small intestine, where digestion continues.

Risk Factors: While the cause of Stomach Cancer is still unknown, some people are more likely to be diagnosed with Stomach Cancer. It is more common in: people over 55 years of age, males, Blacks as a racial/ethnic group, and people who have had stomach surgery or have pernicious anemia, achlorhydria, or gastric atrophy (which generally result in lower than normal amounts of digestive juices) have an increased risk. Stomach Cancer is also more common in parts of the world like Japan, Korea, parts of Eastern Europe, and Latin America than in the United States.

Signs and Symptoms: Indigestion or a burning sensation (heartburn), discomfort or pain in the abdomen, nausea and vomiting, diarrhea or constipation, bloating of the stomach after meals, loss of appetite, weakness and fatigue, and bleeding (vomiting blood or having blood in the stool).

Diagnosing the Cancer: Fecal occult blood test, upper gastrointestinal (GI) x-ray series, and endoscopy are some of the common ways of diagnosing Stomach Cancer.

Treatment: surgery (Gastrectomy), chemotherapy, radiation therapy, and biological therapy.

Table 271. Stomach Cancer Mortality by Age Group and County/Region of Residence at Diagnosis, Nevada Residents, 1999-2003

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	607	437	99	71	0	15,338
Rate*	6.4	6.4	6.4	6.4	---	8.8
95% C.I.	(5.9-6.9)	(5.9-6.9)	(5.9-6.9)	(5.9-6.9)	---	(8.6-8.9)
Gender						
Male	399	399	399	399	0	9,157
Rate*	8.9	8.9	8.9	8.9	---	12.6
95% C.I.	(8.0-9.9)	(8.0-9.9)	(8.0-9.9)	(8.0-9.9)	---	(12.3-12.9)
Female	208	208	208	208	0	6,049
Rate*	4.2	4.2	4.2	4.2	---	6.1
95% C.I.	(3.6-4.8)	(3.6-4.8)	(3.6-4.8)	(3.6-4.8)	---	(6.0-6.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	457	314	77	66	0	10,474
Rate*	5.9	5.9	5.9	5.9	---	7.5
95% C.I.	(5.3-6.5)	(5.3-6.5)	(5.3-6.5)	(5.3-6.5)	---	(7.4-7.7)
Black	51	43	7	1	0	1,845
Rate*	10.2	10.2	---	---	---	13.6
95% C.I.	(7.5-14.0)	(7.5-14.0)	---	---	---	(12.9-14.2)
Native American	0	0	0	0	0	175
Rate*	---	---	---	---	---	11.8
95% C.I.	---	---	---	---	---	(10.0-10.0)
Asian	35	31	4	0	0	2,737
Rate*	7.3	7.3	---	---	---	16.5
95% C.I.	(5.0-10.6)	(5.0-10.6)	---	---	---	(15.9-17.2)
Hispanic	59	46	10	3	0	2,096
Rate*	8.6	8.6	8.6	---	---	13.0
95% C.I.	(6.2-12.0)	(6.2-12.0)	(6.2-12.0)	---	---	(12.4-13.6)
Other/Unknown	5	3	1	1	0	43

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 272. Stomach Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	578	433	91	54	0
Rate*	5.9	6.4	5.8	3.6	---
95% C.I.	(5.4-6.4)	(5.8-7.1)	(4.6-7.2)	(2.7-4.8)	---
Gender					
Male	395	300	58	37	0
Rate*	8.2	9.2	7.7	4.8	---
95% C.I.	(7.4-9.2)	(8.1-10.4)	(5.7-10.3)	(3.4-6.6)	---
Female	183	133	33	17	0
Rate*	3.7	3.9	4.0	2.3	---
95% C.I.	(3.1-4.2)	(3.2-4.6)	(2.8-5.7)	(1.3-3.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$37,284,333	$28,709,763	$5,332,067	$3,242,503	$0
Average Charges	$64,506	$66,304	$58,594	$60,046	$0
Median Charges	$41,956	$44,018	$37,091	$30,358	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,559	5,045	976	538	0
Average LOS	11.3	11.7	10.7	10.0	0.0
Median LOS	9.0	9.0	9.0	8.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 273. Stomach Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

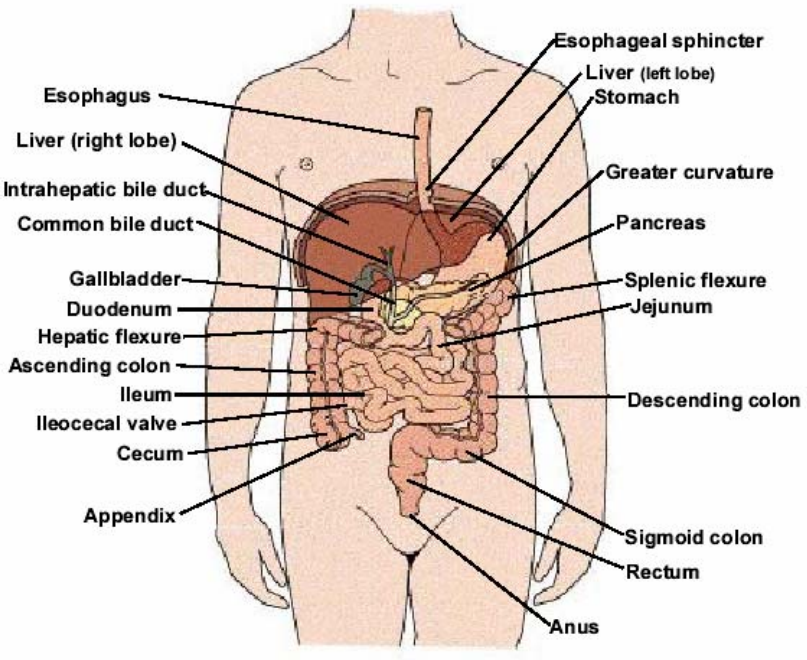
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	351	253	55	43
Rate*	3.8	4.0	3.6	2.9
95% C.I.	(3.4-4.2)	(3.5-4.6)	(2.7-4.8)	(2.1-4.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	6	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	13	12	1	0
Rate*	0.8	1.0	---	---
95% C.I.	(0.36-1.21)	(0.45-1.63)	---	---
45-54	39	28	6	5
Rate*	2.7	2.9	---	---
95% C.I.	(1.88-3.61)	(1.85-4.03)	---	---
55-64	53	35	9	9
Rate*	5.2	5.0	---	---
95% C.I.	(3.77-6.54)	(3.32-6.61)	---	---
65-74	94	69	18	7
Rate*	13.7	14.6	17.2	---
95% C.I.	(10.90-16.43)	(11.19-18.10)	(9.27-25.20)	---
75-84	106	77	15	14
Rate*	27.0	29.0	24.4	21.4
95% C.I.	(21.88-32.17)	(22.53-35.49)	(12.05-36.74)	(10.20-32.64)
85+	38	25	6	7
Rate*	43.2	45.0	---	---
95% C.I.	(29.46-56.92)	(27.33-62.57)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

LIVER AND INTRAHEPATIC BILE DUCTS CANCER

GENERAL PROFILE[4]

Figure 172. Anatomical Drawing of the Digestive System[5]



General Anatomy: The liver is the largest organ in the body. It is found behind the ribs on the right side of the abdomen. The liver has two parts, a right lobe and a smaller left lobe. The liver has many important functions that keep a person healthy. It removes harmful material from the blood. It makes enzymes and bile that help digest food. It also converts food into substances needed for life and growth. The liver gets its supply of blood from two vessels. Most of its blood comes from the hepatic portal vein. The rest comes from the hepatic artery.

Risk Factors: Chronic liver infection (hepatitis), cirrhosis, Aflatoxin (type of mold), being male, family history, and age (over 60 years of age).

Signs and Symptoms: Pain in the upper abdomen on the right side; the pain may extend to the back and shoulder, swollen abdomen (bloating), weight loss, loss of appetite and feelings of fullness, weakness or feeling very tired, nausea and vomiting, yellow skin and eyes and dark urine from jaundice, and fever.

Diagnosing the Cancer: Physical exam, blood tests, computed tomography (CAT) scan, ultrasound test, magnetic resonance imaging (MRI), angiogram, and biopsy.

Treatment: surgery (Hepatectomy, Transplantation), radio frequency ablation, percutaneous ethanol injection, cryosurgery, hepatic arterial infusion, chemoembolization, chemotherapy, and radiation therapy.

Table 274. Liver and Intrahepatic Bile Ducts Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	547	390	86	71	0	10,919
Rate*	5.5	5.5	5.5	5.5	---	6.2
95% C.I.	(5.1-6.0)	(5.1-6.0)	(5.1-6.0)	(5.1-6.0)	---	(6.1-6.3)
Gender						
Male	386	386	386	386	0	7,011
Rate*	8.1	8.1	8.1	8.1	---	9.1
95% C.I.	(7.3-9.0)	(7.3-9.0)	(7.3-9.0)	(7.3-9.0)	---	(8.9-9.3)
Female	161	161	161	161	0	3,360
Rate*	3.2	3.2	3.2	3.2	---	3.5
95% C.I.	(2.7-3.8)	(2.7-3.8)	(2.7-3.8)	(2.7-3.8)	---	(3.3-3.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	397	260	71	66	0	6,731
Rate*	5.0	5.0	5.0	5.0	---	4.8
95% C.I.	(4.5-5.5)	(4.5-5.5)	(4.5-5.5)	(4.5-5.5)	---	(4.7-5.0)
Black	39	38	1	0	0	1,081
Rate*	6.9	6.9	---	---	---	7.2
95% C.I.	(4.8-10.0)	(4.8-10.0)	---	---	---	(6.8-7.7)
Native American	0	0	0	0	0	99
Rate*	---	---	---	---	---	6.4
95% C.I.	---	---	---	---	---	(5.1-5.1)
Asian	60	52	7	1	0	2,448
Rate*	13.0	13.0	---	---	---	13.7
95% C.I.	(9.3-18.6)	(9.3-18.6)	---	---	---	(13.2-14.3)
Hispanic	48	38	7	3	0	1,519
Rate*	6.7	6.7	---	---	---	9.1
95% C.I.	(4.6-9.7)	(4.6-9.7)	---	---	---	(8.6-9.6)
Other/Unknown	3	2	0	1	0	36

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 275. Liver and Intrahepatic Bile Ducts Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	368	291	57	20	0
Rate*	3.7	4.2	3.5	1.3	---
95% C.I.	(3.3-4.1)	(3.8-4.8)	(2.7-4.6)	(0.8-2.1)	---
Gender					
Male	245	202	32	11	0
Rate*	4.9	5.9	4.2	1.3	---
95% C.I.	(4.3-5.6)	(5.1-6.9)	(2.8-6.3)	(0.6-2.4)	---
Female	123	89	25	9	0
Rate*	2.5	2.6	3.0	---	---
95% C.I.	(2.1-3.0)	(2.1-3.3)	(1.9-4.4)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$10,860,361	$9,255,081	$1,103,338	$501,942	$0
Average Charges	$29,512	$31,804	$19,357	$25,097	$0
Median Charges	$19,601	$20,878	$16,894	$12,207	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,370	1,915	335	120	0
Average LOS	6.4	6.6	5.9	6.0	0.0
Median LOS	5.0	5.0	5.0	4.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 276. Liver and Intrahepatic Bile Ducts Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

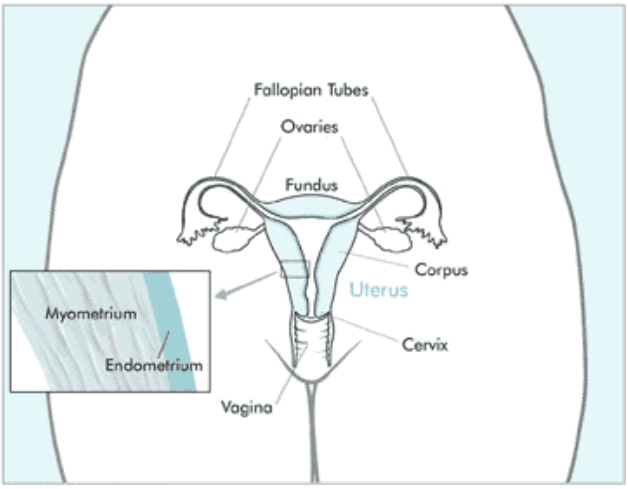
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	463	326	73	64
Rate*	4.8	5.0	4.7	4.2
95% C.I.	(4.4-5.3)	(4.4-5.6)	(3.7-6.0)	(3.2-5.4)
Age Group				
<1	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	4	3	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	15	13	0	2
Rate*	0.9	1.1	---	---
95% C.I.	(0.45-1.36)	(0.52-1.75)	---	---
45-54	71	55	13	3
Rate*	5.0	5.8	5.1	---
95% C.I.	(3.83-6.16)	(4.25-7.30)	(2.34-7.93)	---
55-64	84	63	8	13
Rate*	8.2	8.9	---	8.2
95% C.I.	(6.42-9.91)	(6.73-11.14)	---	(3.74-12.64)
65-74	140	92	30	18
Rate*	20.4	19.5	28.7	16.1
95% C.I.	(16.98-23.73)	(15.53-23.51)	(18.45-39.00)	(8.63-23.46)
75-84	112	73	18	21
Rate*	28.6	27.5	29.3	32.1
95% C.I.	(23.27-33.84)	(21.20-33.82)	(15.75-42.80)	(18.39-45.87)
85+	31	22	4	5
Rate*	35.2	39.6	---	---
95% C.I.	(22.83-47.64)	(23.03-56.08)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

CERVICAL CANCER

GENERAL PROFILE[4]

Figure 173. Anatomical Drawing of the Female Reproductive System[4]



General Anatomy: The cervix is the lower, narrow part of the uterus (womb). The uterus, a hollow, pear-shaped organ, is located in a woman's lower abdomen, between the bladder and the rectum. The cervix forms a canal that opens into the vagina, which leads to the outside of the body. Cells on the surface of the cervix sometimes appear abnormal but not cancerous. Scientists believe that some abnormal changes in cells on the cervix are the first step in a series of slow changes that can lead to cancer years later. If these changes form abnormal cells that spread deeper into the cervix or to other tissues or organs, the disease is then called cervical cancer, or invasive cervical cancer.

Risk Factors: Researchers believe that, in many cases, cervical cancer develops when two or more risk factors act together. These include: women who began having sexual intercourse before age 18, women who have had many sexual partners, women whose partners began having sexual intercourse at a young age, have had many sexual partners, or were previously married to women who had cervical cancer, some sexually transmitted human papillomaviruses (HPVs), smoking, women whose mothers were given the drug diethylstilbestrol (DES) during pregnancy to prevent miscarriage, weakened immune systems, and the use of oral contraceptives (the pill).

Signs and Symptoms: Precancerous changes of the cervix usually do not cause pain. In fact, they generally do not cause any symptoms until abnormal cervical cells become cancerous and invade nearby tissue, unless a woman has a pelvic exam and a Pap test. Symptoms include: abnormal bleeding (longer and heavier than usual), bleeding after menopause, and increased vaginal discharge is another symptom of cervical cancer.

Diagnosing the Cancer: Pap Smear tests (Early Detection), colposcopy, endocervical curettage, conization, dilation and curettage,

Treatment: Surgery (Hysterectomy), cryosurgery, cauterization, laser surgery, conization, radiation therapy, and chemotherapy.

Table 277. Cervical Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1999, 2000 and 2002

Responses	Answers						
	Yes			No			Total
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	3,565	94.8%	(93.7-96.0)	152	5.2%	(4.0-6.3)	3,717
County/Region of Residence							
Clark County	1,163	95.2%	(93.8-96.7)	47	4.8%	(3.3-6.2)	1,210
Washoe County	1,144	96.0%	(94.6-97.3)	44	4.0%	(2.7-5.4)	1,188
All Other Counties	1,258	92.1%	(88.7-95.5)	61	7.9%	(4.5-11.3)	1,319
Education							
Less than High School	367	91.1%	(86.8-95.5)	29	8.9%	(4.5-13.2)	396
High School	1,125	93.5%	(91.4-95.7)	60	6.5%	(4.3-8.6)	1,185
Some Post High School	1,202	95.9%	(94.2-97.6)	45	4.1%	(2.4-5.8)	1,247
College Graduate	864	97.4%	(95.4-99.3)	18	2.6%	(0.7-4.6)	882
Age Group							
18-24 years old	282	78.1%	(71.7-84.5)	62	21.9%	(15.5-28.3)	344
25-34 years old	632	94.6%	(92.0-97.3)	24	5.4%	(2.7-8.0)	656
35-44 years old	820	97.9%	(96.6-99.2)	14	2.1%	(0.8-3.4)	834
45-54 years old	694	99.1%	(98.2-100.0)	11	0.9%	(0.0-1.8)	705
55-64 years old	461	98.6%	(97.0-100.0)	7	1.4%	(0.0-3.0)	468
65+ years old	667	94.6%	(91.6-97.6)	34	5.4%	(2.4-8.4)	701
Income							
Less than $15,000	314	87.9%	(81.2-94.5)	28	12.1%	(5.5-18.8)	342
$15,000-$24,999	607	93.3%	(90.4-96.3)	36	6.7%	(3.7-9.6)	643
$25,000-$34,999	503	94.9%	(92.0-97.7)	24	5.1%	(2.3-8.0)	527
$35,000-$49,999	649	96.1%	(93.9-98.3)	19	3.9%	(1.7-6.1)	668
$50,000 or More	1,057	98.4%	(97.1-99.7)	12	1.6%	(0.3-2.9)	1,069

*Denominator is persons age 18-65+ and excludes missing, don't know, and refused responses.
Note: This table includes those respondents who answered "Yes" or "No" to the following question:

1) A Pap smear is a test for cancer of the cervix. Have you ever had a Pap smear?

Table 278. Cervical Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	516	385	80	51	0	8,815
Rate*	5.0	5.0	5.0	5.0	---	4.7
95% C.I.	(4.5-5.4)	(4.5-5.4)	(4.5-5.4)	(4.5-5.4)	---	(4.6-4.8)
Gender						
Male	---	---	---	---	---	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Female	516	516	516	516	0	8,968
Rate*	9.9	9.9	9.9	9.9	---	9.3
95% C.I.	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	---	(9.1-9.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	381	273	63	45	0	6,659
Rate*	10.1	10.1	10.1	10.1	---	8.9
95% C.I.	(9.1-11.2)	(9.1-11.2)	(9.1-11.2)	(9.1-11.2)	---	(8.7-9.1)
Black	33	31	2	0	0	1,143
Rate*	10.7	10.7	---	---	---	11.9
95% C.I.	(7.3-15.6)	(7.3-15.6)	---	---	---	(11.2-12.6)
Native American	1	1	0	0	0	68
Rate*	---	---	---	---	---	6.0
95% C.I.	---	---	---	---	---	(4.6-7.8)
Asian	35	31	2	2	0	1,009
Rate*	11.0	11.0	---	---	---	9.5
95% C.I.	(7.1-18.5)	(7.1-18.5)	---	---	---	(9.0-10.2)
Hispanic	57	42	11	4	0	2,085
Rate*	10.1	10.1	10.1	---	---	15.8
95% C.I.	(7.4-13.7)	(7.4-13.7)	(7.4-13.7)	---	---	(15.1-16.6)
Other/Unknown	9	7	2	0	0	104

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 279. Cervical Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	624	439	97	88	0
Rate*	5.9	6.0	5.5	5.8	---
95% C.I.	(5.5-6.4)	(5.5-6.6)	(4.5-6.8)	(4.6-7.2)	---
Gender					
Male	---	---	---	---	---
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	624	439	97	88	0
Rate*	11.9	12.2	11.0	11.6	---
95% C.I.	(11.0-12.9)	(11.1-13.4)	(8.9-13.5)	(9.3-14.4)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$18,667,789	$12,760,472	$3,345,379	$2,561,938	$0
Average Charges	$29,916	$29,067	$34,488	$29,113	$0
Median Charges	$21,730	$21,677	$26,028	$16,919	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,072	2,178	456	438	0
Average LOS	4.9	5.0	4.7	5.0	0.0
Median LOS	3.0	4.0	3.0	3.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 280. Cervical Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

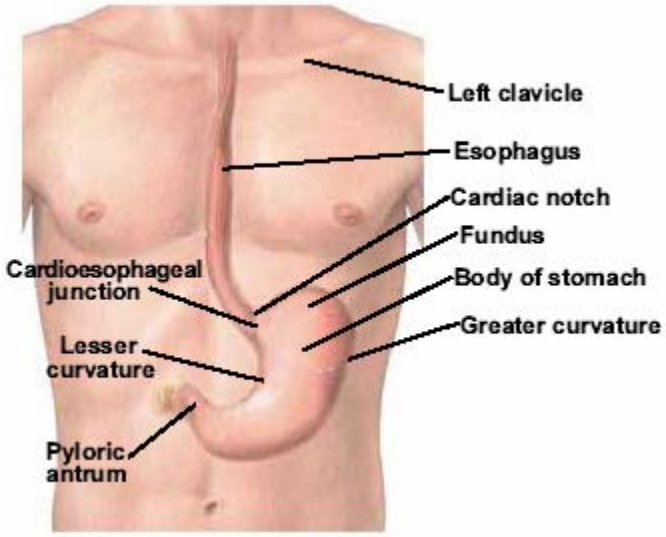
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	139	106	18	15
Rate*	2.7	3.0	2.1	1.9
95% C.I.	(2.3-3.2)	(2.5-3.7)	(1.2-3.3)	(1.0-3.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	22	18	2	2
Rate*	2.8	3.3	---	---
95% C.I.	(1.61-3.92)	(1.77-4.81)	---	---
45-54	40	30	5	5
Rate*	5.7	6.4	---	---
95% C.I.	(3.94-7.48)	(4.10-8.67)	---	---
55-64	27	19	5	3
Rate*	5.2	5.3	---	---
95% C.I.	(3.23-7.14)	(2.89-7.63)	---	---
65-74	23	15	4	4
Rate*	6.6	6.3	---	---
95% C.I.	(3.90-9.30)	(3.10-9.45)	---	---
75-84	15	14	0	1
Rate*	7.0	9.7	---	---
95% C.I.	(3.45-10.51)	(4.60-14.73)	---	---
85+	7	6	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific female population.
Note: The "---" is used for rates calculated on numbers less than ten.

ESOPHAGEAL CANCER

GENERAL PROFILE[4]

Figure 174. Anatomical Drawing of the Esophagus and Stomach[5]



General Anatomy: The esophagus is a hollow tube that carries food and liquids from the throat to the stomach. When a person swallows, the muscular walls of the esophagus contract to push food down into the stomach. Glands in the lining of the esophagus produce mucus, which keeps the passageway moist and makes swallowing easier. The esophagus is located just behind the trachea (windpipe). In an adult, the esophagus is about 10 inches long.

Risk Factors: Age, (over 60 years of age), being male, tobacco use, chronic and/or heavy alcohol use, Barrett's Esophagus (Long-term irritation from gastric reflux), medical history, and other types of irritation that cause significant irritation or damage to the lining of the esophagus (swallowing lye or other caustic substances) can increase the risk of developing esophageal cancer.

Signs and Symptoms: Difficult or painful swallowing, severe weight loss, pain in the throat or back, behind the breastbone or between the shoulder blades, hoarseness or chronic cough, vomiting, and coughing up blood are some common symptoms of Esophageal Cancer.

Diagnosing the Cancer: Barium swallow x-rays (also called an Esophagram), biopsy procedures (Esophagoscopy/Endoscopy), computed tomography (CAT) scan, bone scan, and bronchoscopy are common ways of diagnosing this type of cancer.

Treatment: Surgery (Esophagectomy), radiation therapy, chemotherapy, laser therapy, and photodynamic therapy (PDT).

Table 281. Esophageal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	522	354	83	85	0	7,891
Rate*	5.2	5.2	5.2	5.2	---	4.5
95% C.I.	(4.8-5.7)	(4.8-5.7)	(4.8-5.7)	(4.8-5.7)	---	(4.4-4.6)
Gender						
Male	402	402	402	402	0	5,759
Rate*	8.4	8.4	8.4	8.4	---	7.7
95% C.I.	(7.6-9.3)	(7.6-9.3)	(7.6-9.3)	(7.6-9.3)	---	(7.5-7.9)
Female	120	120	120	120	0	1,989
Rate*	2.3	2.3	2.3	2.3	---	2.0
95% C.I.	(1.9-2.8)	(1.9-2.8)	(1.9-2.8)	(1.9-2.8)	---	(2.0-2.1)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	465	305	77	83	0	6,244
Rate*	5.6	5.6	5.6	5.6	---	4.5
95% C.I.	(5.1-6.2)	(5.1-6.2)	(5.1-6.2)	(5.1-6.2)	---	(4.4-4.6)
Black	30	25	4	1	0	967
Rate*	6.1	6.1	---	---	---	6.7
95% C.I.	(4.0-9.3)	(4.0-9.3)	---	---	---	(6.2-7.1)
Native American	0	0	0	0	0	45
Rate*	---	---	---	---	---	3.2
95% C.I.	---	---	---	---	---	(2.3-2.3)
Asian	10	9	1	0	0	495
Rate*	1.9	---	---	---	---	2.9
95% C.I.	(0.9-3.8)	---	---	---	---	(2.6-3.2)
Hispanic	16	14	1	1	0	494
Rate*	2.4	2.4	---	---	---	3.2
95% C.I.	(1.2-4.8)	(1.2-4.8)	---	---	---	(2.9-3.5)
Other/Unknown	1	1	0	0	0	21

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 282. Esophageal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	302	218	40	44	0
Rate*	3.0	3.2	2.5	2.7	---
95% C.I.	(2.7-3.4)	(2.8-3.7)	(1.8-3.5)	(2.0-3.7)	---
Gender					
Male	232	165	33	34	0
Rate*	4.8	5.1	4.5	4.2	---
95% C.I.	(4.2-5.6)	(4.3-6.0)	(3.1-6.7)	(2.9-6.2)	---
Female	70	53	7	10	0
Rate*	1.4	1.5	---	1.2	---
95% C.I.	(1.1-1.7)	(1.1-2.0)	---	(0.6-2.3)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$15,716,160	$11,870,477	$1,649,131	$2,196,552	$0
Average Charges	$52,040	$54,452	$41,228	$49,922	$0
Median Charges	$26,542	$28,549	$25,997	$17,799	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,841	2,161	302	378	0
Average LOS	9.4	9.9	7.6	8.6	0.0
Median LOS	7.0	7.0	6.5	5.5	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 283. Esophageal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

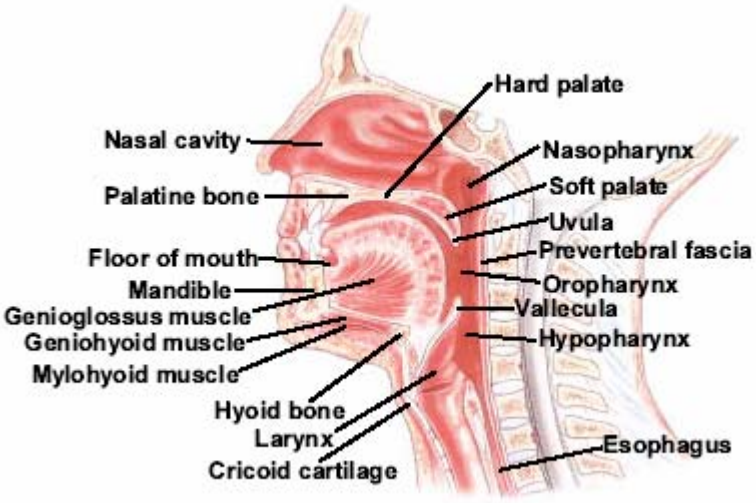
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	449	320	58	71
Rate*	4.5	4.7	3.6	4.5
95% C.I.	(4.1-5.0)	(4.2-5.3)	(2.8-4.8)	(3.5-5.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	12	10	1	1
Rate*	0.7	0.9	---	---
95% C.I.	(0.31-1.14)	(0.33-1.41)	---	---
45-54	40	30	3	7
Rate*	2.8	3.2	---	---
95% C.I.	(1.94-3.69)	(2.02-4.28)	---	---
55-64	130	97	16	17
Rate*	12.6	13.8	9.7	10.7
95% C.I.	(10.47-14.81)	(11.02-16.49)	(4.96-14.50)	(5.62-15.80)
65-74	136	88	24	24
Rate*	19.8	18.7	23.0	21.4
95% C.I.	(16.45-23.10)	(14.77-22.58)	(13.79-32.17)	(12.84-29.96)
75-84	113	82	12	19
Rate*	28.8	30.9	19.5	29.1
95% C.I.	(23.50-34.12)	(24.21-37.59)	(8.47-30.56)	(16.00-42.14)
85+	18	13	2	3
Rate*	20.5	23.4	---	---
95% C.I.	(11.01-29.91)	(10.67-36.08)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

LARYNX CANCER

GENERAL PROFILE[4]

Figure 175. Anatomy of the Oral Cavity[5]



General Anatomy: The larynx, also called the voice box, is a 2-inch-long, tube-shaped organ made of cartilage in the neck. We use the larynx when we breathe, talk, or swallow. The larynx is at the top of the windpipe (trachea).The large cartilage that forms the front of the larynx is sometimes called the Adam's apple. The vocal cords, two bands of muscle, form a "V" inside the larynx.

Risk Factors: Cancer of the larynx occurs most often in people over the age of 55, men, Blacks as a racial/ethnic group, smokers, and those who work with asbestos.

Signs and Symptoms: The symptoms of cancer of the larynx depend mainly on the size and location of the tumor. Most cancers of the larynx begin on the vocal cords. These tumors are seldom painful, but they almost always cause hoarseness or other changes in the voice. Tumors in the area above the vocal cords may cause a lump on the neck, a sore throat, or an earache. Tumors that begin in the area below the vocal cords are rare. They can make it hard to breathe, and breathing may be noisy.

A cough that doesn't go away or the feeling of a lump in the throat may also be warning signs of cancer of the larynx. As the tumor grows, it may cause pain, weight loss, bad breath, and frequent choking on food. In some cases, a tumor in the larynx can make it hard to swallow.

Diagnosing the Cancer: Direct and indirect laryngoscopy, computed tomography (CAT) scan, and magnetic resonance imaging (MRI) are some common ways of diagnosing cancer of the larynx.

Treatment: Radiation therapy, surgery (Partial or Total Laryngectomy), and chemotherapy are the most common treatment options for those diagnosed with Larynx Cancer.

Table 284. Larynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	389	264	64	61	0	6,437
Rate*	3.9	3.9	3.9	3.9	---	3.7
95% C.I.	(3.5-4.3)	(3.5-4.3)	(3.5-4.3)	(3.5-4.3)	---	(3.6-3.7)
Gender						
Male	310	310	310	310	0	5,137
Rate*	6.4	6.4	6.4	6.4	---	6.7
95% C.I.	(5.7-7.2)	(5.7-7.2)	(5.7-7.2)	(5.7-7.2)	---	(6.5-6.9)
Female	79	79	79	79	0	1,367
Rate*	1.6	1.6	1.6	1.6	---	1.5
95% C.I.	(1.2-1.9)	(1.2-1.9)	(1.2-1.9)	(1.2-1.9)	---	(1.4-1.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	356	235	61	60	0	5,203
Rate*	4.3	4.3	4.3	4.3	---	3.8
95% C.I.	(3.9-4.8)	(3.9-4.8)	(3.9-4.8)	(3.9-4.8)	---	(3.7-3.9)
Black	16	14	2	0	0	961
Rate*	3.1	3.1	---	---	---	6.5
95% C.I.	(1.7-5.2)	(1.7-5.2)	---	---	---	(6.0-6.9)
Native American	1	1	0	0	0	16
Rate*	---	---	---	---	---	0.9
95% C.I.	---	---	---	---	---	(0.5-0.5)
Asian	2	2	0	0	0	301
Rate*	---	---	---	---	---	1.8
95% C.I.	---	---	---	---	---	(1.6-2.0)
Hispanic	10	9	0	1	0	474
Rate*	1.4	---	---	---	---	2.8
95% C.I.	(0.6-2.8)	---	---	---	---	(2.6-3.1)
Other/Unknown	4	3	1	0	0	29

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 285. Larynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	182	128	25	29	0
Rate*	1.8	1.9	1.5	1.8	---
95% C.I.	(1.5-2.1)	(1.6-2.3)	(1.0-2.3)	(1.2-2.6)	---
Gender					
Male	141	104	14	23	0
Rate*	2.9	3.3	1.7	2.8	---
95% C.I.	(2.4-3.5)	(2.6-4.1)	(0.9-2.9)	(1.8-4.2)	---
Female	41	24	11	6	0
Rate*	0.8	0.7	1.3	---	---
95% C.I.	(0.6-1.1)	(0.4-1.0)	(0.7-2.4)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$9,668,616	$7,101,922	$1,075,430	$1,491,264	$0
Average Charges	$53,124	$55,484	$43,017	$51,423	$0
Median Charges	$37,195	$38,198	$33,599	$36,802	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	1,902	1,378	211	313	0
Average LOS	10.5	10.8	8.4	10.8	0.0
Median LOS	8.0	8.0	8.0	8.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 286. Larynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

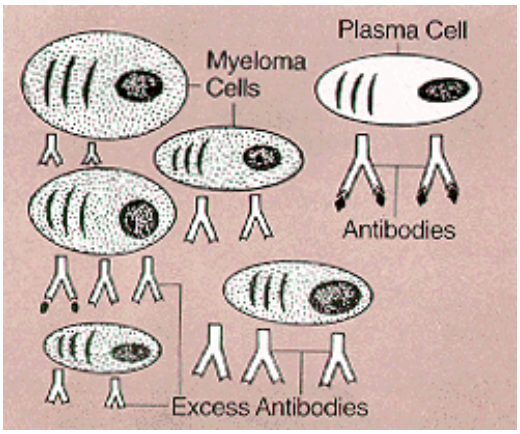
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	112	77	17	18
Rate*	1.2	1.1	1.1	1.2
95% C.I.	(0.9-1.4)	(0.9-1.4)	(0.6-1.8)	(0.7-2.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	7	5	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	40	28	8	4
Rate*	3.9	4.0	---	---
95% C.I.	(2.68-5.09)	(2.50-5.44)	---	---
65-74	28	21	1	6
Rate*	4.1	4.5	---	---
95% C.I.	(2.56-5.58)	(2.55-6.36)	---	---
75-84	25	17	4	4
Rate*	6.4	6.4	---	---
95% C.I.	(3.88-8.87)	(3.36-9.45)	---	---
85+	10	4	3	3
Rate*	11.4	---	---	---
95% C.I.	(4.32-18.41)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

MULTIPLE MYELOMA

GENERAL PROFILE[4]

Figure 176. Picture of Myeloma Cells[4]



General Anatomy: Multiple Myeloma affects certain white blood cells called plasma cells that are part of the body's immune system. Plasma cells begin their development in the bone marrow and help the immune system fight infection and disease by producing antibodies. When cancer involves plasma cells, the body keeps producing more and more of these cells. The unneeded plasma cells -- all abnormal and all exactly alike -- are called myeloma cells. Myeloma cells tend to collect in the bone marrow and in the hard, outer part of bones. Sometimes they collect in only one bone and form a single mass, or tumor, called a plasmacytoma. In most cases, however, the myeloma cells collect in many bones, often forming many tumors and causing other problems. When this happens, the disease is called multiple myeloma.

Risk Factors: While the cause is unknown most multiple myeloma patients are between 50 and 70 years of age and affects Blacks, as a racial/ethnic group, more often than whites and men more often than women. Those with a family history of multiple myeloma and those exposed to certain chemicals and radiation seem to have a slightly higher increase in the risk of developing this type of cancer. In most cases, people who develop multiple myeloma have no clear risk factors. The disease may be the result of several factors (known and/or unknown) acting together.

Signs and Symptoms: Symptoms of multiple myeloma depend on how advanced the disease is. In the earliest stage of the disease, there may be no symptoms. When symptoms do occur, patients commonly have: bone pain in the back or ribs, broken bones, weakness, fatigue, weight loss, or repeated infections. When the disease is advanced, symptoms may include nausea, vomiting, constipation, problems with urination, and weakness or numbness in the legs.

Diagnosing the Cancer: X-rays, blood and urine tests (high levels of antibody proteins), bone marrow aspiration and/or bone marrow biopsy.

Treatment: chemotherapy, radiation therapy, and secondary surgical procedures to help the individual recover from these types of therapy include: bone marrow transplantation, peripheral stem cell support, and treatment with colony-stimulating factors.

Table 287. Multiple Myeloma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	443	283	95	65	0	9,694
Rate*	4.6	4.6	4.6	4.6	---	5.6
95% C.I.	(4.2-5.0)	(4.2-5.0)	(4.2-5.0)	(4.2-5.0)	---	(5.4-5.7)
Gender						
Male	258	258	258	258	0	5,066
Rate*	5.7	5.7	5.7	5.7	---	6.9
95% C.I.	(5.0-6.6)	(5.0-6.6)	(5.0-6.6)	(5.0-6.6)	---	(6.7-7.1)
Female	185	185	185	185	0	4,463
Rate*	3.6	3.6	3.6	3.6	---	4.6
95% C.I.	(3.1-4.2)	(3.1-4.2)	(3.1-4.2)	(3.1-4.2)	---	(4.5-4.7)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	360	213	85	62	0	7,287
Rate*	4.5	4.5	4.5	4.5	---	5.2
95% C.I.	(4.1-5.0)	(4.1-5.0)	(4.1-5.0)	(4.1-5.0)	---	(5.1-5.4)
Black	42	40	2	0	0	1,536
Rate*	8.7	8.7	---	---	---	11.0
95% C.I.	(6.2-12.3)	(6.2-12.3)	---	---	---	(10.5-11.6)
Native American	1	0	0	1	0	48
Rate*	---	---	---	---	---	3.2
95% C.I.	---	---	---	---	---	(2.3-2.3)
Asian	12	8	4	0	0	589
Rate*	3.3	---	---	---	---	3.5
95% C.I.	(1.4-7.7)	---	---	---	---	(3.2-3.8)
Hispanic	21	16	4	1	0	815
Rate*	2.8	2.8	---	---	---	5.0
95% C.I.	(1.6-4.6)	(1.6-4.6)	---	---	---	(4.6-5.4)
Other/Unknown	7	6	0	1	0	79

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 288. Multiple Myeloma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	346	232	81	33	0
Rate*	3.5	3.5	5.0	2.0	---
95% C.I.	(3.1-3.9)	(3.0-4.0)	(3.9-6.2)	(1.4-2.9)	---
Gender					
Male	200	132	47	21	0
Rate*	4.3	4.3	6.1	2.6	---
95% C.I.	(3.7-5.0)	(3.6-5.3)	(4.4-8.5)	(1.6-4.0)	---
Female	146	100	34	12	0
Rate*	2.8	2.9	4.0	1.4	---
95% C.I.	(2.4-3.3)	(2.3-3.5)	(2.8-5.7)	(0.7-2.6)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$17,398,605	$12,951,910	$3,351,552	$1,095,143	$0
Average Charges	$50,285	$55,827	$41,377	$33,186	$0
Median Charges	$28,587	$31,223	$24,889	$27,264	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,388	2,281	855	252	0
Average LOS	9.8	9.8	10.6	7.6	0.0
Median LOS	7.0	7.0	8.0	7.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 289. Multiple Myeloma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

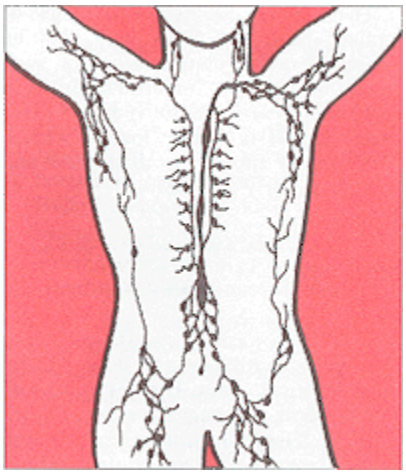
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	313	206	69	38
Rate*	3.3	3.3	4.5	2.4
95% C.I.	(3.0-3.7)	(2.9-3.8)	(3.5-5.8)	(1.7-3.4)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	27	21	4	2
Rate*	1.9	2.2	---	---
95% C.I.	(1.18-2.62)	(1.26-3.15)	---	---
55-64	70	43	14	13
Rate*	6.8	6.1	8.5	8.2
95% C.I.	(5.21-8.40)	(4.27-7.92)	(4.06-12.98)	(3.74-12.64)
65-74	86	50	25	11
Rate*	12.5	10.6	23.9	9.8
95% C.I.	(9.86-15.15)	(7.67-13.55)	(14.55-33.32)	(4.01-15.60)
75-84	98	68	21	9
Rate*	25.0	25.6	34.2	---
95% C.I.	(20.04-29.93)	(19.53-31.71)	(19.55-48.76)	---
85+	29	21	5	3
Rate*	33.0	37.8	---	---
95% C.I.	(20.96-44.96)	(21.61-53.90)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

HODGKIN'S LYMPHOMA

GENERAL PROFILE[4]

Figure 177. Anatomy of the Lymphatic System[4]



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. These vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

Hodgkin's disease, an uncommon lymphoma, accounts for less than 1 percent of all cases of cancer in the United States. This type of cancer tends to spread in a fairly orderly way from one group of lymph nodes to the next group. For example, Hodgkin's disease that arises in the lymph nodes in the neck spreads first to the nodes above the collarbones, and then to the lymph nodes under the arms and within the chest. Eventually, it can spread to almost any other part of the body.

Risk Factors: Common risk factors that are believed to be associated with the development of Hodgkin's Lymphoma are: age (between 15 and 34 and over 55 years of age), being male, family history, and certain viruses (Epstein-Barr virus).

Signs and Symptoms: A painless swelling in the lymph nodes in the neck, underarm, or groin, unexplained recurrent fevers, night sweats, unexplained weight loss, and itchy skin are some common symptoms that can be associated with Hodgkin's Lymphoma.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, and magnetic resonance imaging (MRI), and biopsy (Reed-Sternberg cells in lymph node tissue).

Treatment: Radiation therapy and chemotherapy are the most common treatments, but others include: bone marrow transplantation, peripheral stem cell transplantation, and biological therapies are being studied in clinical trials.

Table 290. Hodgkin's Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	251	182	42	27	0	5,178
Rate*	2.4	2.4	2.4	2.4	---	2.7
95% C.I.	(2.1-2.7)	(2.1-2.7)	(2.1-2.7)	(2.1-2.7)	---	(2.6-2.8)
Gender						
Male	133	133	133	133	0	2,778
Rate*	2.5	2.5	2.5	2.5	---	3.0
95% C.I.	(2.1-2.9)	(2.1-2.9)	(2.1-2.9)	(2.1-2.9)	---	(2.9-3.1)
Female	118	118	118	118	0	2,320
Rate*	2.3	2.3	2.3	2.3	---	2.4
95% C.I.	(1.9-2.7)	(1.9-2.7)	(1.9-2.7)	(1.9-2.7)	---	(2.3-2.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	204	141	39	24	0	4,313
Rate*	2.9	2.9	2.9	2.9	---	2.9
95% C.I.	(2.5-3.3)	(2.5-3.3)	(2.5-3.3)	(2.5-3.3)	---	(2.8-3.0)
Black	18	18	0	0	0	505
Rate*	2.7	2.7	---	---	---	2.4
95% C.I.	(1.6-4.5)	(1.6-4.5)	---	---	---	(2.2-2.6)
Native American	1	0	1	0	0	10
Rate*	---	---	---	---	---	0.4
95% C.I.	---	---	---	---	---	(0.2-0.2)
Asian	9	8	1	0	0	227
Rate*	---	---	---	---	---	1.1
95% C.I.	---	---	---	---	---	(1.0-1.2)
Hispanic	15	11	1	3	0	721
Rate*	0.8	0.8	---	---	---	2.4
95% C.I.	(0.4-1.6)	(0.4-1.6)	---	---	---	(2.2-2.7)
Other/Unknown	4	4	0	0	0	46

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 291. Hodgkin's Lymphoma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	107	83	15	9	0
Rate*	1.0	1.1	0.9	---	---
95% C.I.	(0.8-1.2)	(0.9-1.4)	(0.5-1.5)	---	---
Gender					
Male	59	49	8	2	0
Rate*	1.1	1.3	---	---	---
95% C.I.	(0.8-1.4)	(0.9-1.7)	---	---	---
Female	48	34	7	7	0
Rate*	0.9	0.9	---	---	---
95% C.I.	(0.7-1.2)	(0.6-1.3)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$4,584,826	$3,608,309	$630,374	$346,143	$0
Average Charges	$42,849	$43,474	$42,025	$38,460	$0
Median Charges	$27,669	$27,669	$34,998	$17,749	$0
Discharge Length of Stay (LOS) (Days)					
Total LOS	811	654	103	54	0
Average LOS	7.6	7.9	6.9	6.0	0.0
Median LOS	5.0	5.0	5.0	5.0	0.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 292. Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	33	22	6	5
Rate*	0.3	0.3	0.0	0.0
95% C.I.	(0.2-0.5)	(0.2-0.5)	---	---
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	7	3	3	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	4	3	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	10	7	2	1
Rate*	1.5	---	---	---
95% C.I.	(0.55-2.35)	---	---	---
75-84	4	3	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
85+	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

ALL OTHER SITES

Table 293. Cancer Cases for All Other Sites by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	3,283	2,244	571	468	0	57,868
Rate*	33.8	33.8	33.8	33.8	---	32.2
95% C.I.	(32.6-35.0)	(32.6-35.0)	(32.6-35.0)	(32.6-35.0)	---	(31.9-32.4)
Gender						
Male	1,891	1,891	1,891	1,891	0	30,842
Rate*	39.9	39.9	39.9	39.9	---	38.9
95% C.I.	(38.0-41.9)	(38.0-41.9)	(38.0-41.9)	(38.0-41.9)	---	(38.5-39.4)
Female	1,391	1,391	1,391	1,391	0	26,292
Rate*	27.8	27.8	27.8	27.8	---	26.8
95% C.I.	(26.3-29.3)	(26.3-29.3)	(26.3-29.3)	(26.3-29.3)	---	(26.5-27.2)
Other/Unknown	1	1	0	0	0	0
Race/Ethnicity						
White	2,745	1,806	513	426	0	47,129
Rate*	35.9	35.9	35.9	35.9	---	33.3
95% C.I.	(34.6-37.3)	(34.6-37.3)	(34.6-37.3)	(34.6-37.3)	---	(33.0-33.6)
Black	170	154	10	6	0	5,156
Rate*	31.2	31.2	31.2	---	---	33.7
95% C.I.	(26.4-37.0)	(26.4-37.0)	(26.4-37.0)	---	---	(32.7-34.6)
Native American	6	1	0	5	0	400
Rate*	---	---	---	---	---	25.0
95% C.I.	---	---	---	---	---	(22.3-22.3)
Asian	94	74	17	3	0	4,000
Rate*	21.8	21.8	21.8	---	---	22.8
95% C.I.	(16.7-28.8)	(16.7-28.8)	(16.7-28.8)	---	---	(22.1-23.6)
Hispanic	229	183	28	18	0	6,123
Rate*	22.4	22.4	22.4	22.4	---	30.5
95% C.I.	(18.7-26.9)	(18.7-26.9)	(18.7-26.9)	(18.7-26.9)	---	(29.6-31.4)
Other/Unknown	39	26	3	10	0	553

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 294. Inpatient Discharges for All Other Sites by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	8,150	5,795	1,346	1,007	2
Rate*	81.1	84.1	83.9	64.2	---
95% C.I.	(79.3-82.9)	(82.0-86.4)	(79.4-88.6)	(60.2-69.0)	---
Gender					
Male	3,696	2,595	601	498	2
Rate*	78.2	80.0	81.6	67.3	---
95% C.I.	(75.6-81.0)	(76.7-83.3)	(74.9-88.9)	(61.1-75.1)	---
Female	4,454	3,200	745	509	0
Rate*	85.4	89.7	88.1	62.6	---
95% C.I.	(82.9-87.9)	(86.6-92.9)	(81.9-94.7)	(57.2-68.3)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges ($)					
Total Charges	$298,842,867	$224,874,784	$44,897,412	$28,978,420	$92,251
Average Charges	$36,668	$38,805	$33,356	$28,777	$46,126
Median Charges	$23,985	$25,153	$23,248	$18,930	$46,126
Discharge Length of Stay (LOS) (Days)					
Total LOS	60,380	43,543	10,180	6,627	30
Average LOS	7.4	7.5	7.6	6.6	15.0
Median LOS	5.0	5.0	6.0	5.0	15.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.
Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please See Technical Notes for more information.

Table 295. All Other Sites Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	2,159	1,399	396	364
Rate*	23.3	22.2	26.6	24.6
95% C.I.	(22.3-24.3)	(21.0-23.5)	(24.0-29.5)	(22.1-27.3)
Age Group				
<1	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	6	6	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	14	10	2	2
Rate*	0.9	1.0	---	---
95% C.I.	(0.45-1.44)	(0.37-1.56)	---	---
25-34	31	24	3	4
Rate*	2.0	2.1	---	---
95% C.I.	(1.29-2.69)	(1.25-2.93)	---	---
35-44	54	37	10	7
Rate*	3.3	3.2	3.5	---
95% C.I.	(2.39-4.13)	(2.18-4.26)	(1.34-5.71)	---
45-54	193	131	33	29
Rate*	13.6	13.8	13.0	13.4
95% C.I.	(11.67-15.50)	(11.40-16.11)	(8.59-17.49)	(8.55-18.34)
55-64	407	289	62	56
Rate*	39.6	41.0	37.7	35.3
95% C.I.	(35.73-43.42)	(36.25-45.70)	(28.33-47.11)	(26.03-44.51)
65-74	594	384	111	99
Rate*	86.4	81.5	106.3	88.3
95% C.I.	(79.41-93.30)	(73.34-89.64)	(86.51-126.06)	(70.87-105.64)
75-84	617	369	128	120
Rate*	157.3	139.0	208.2	183.6
95% C.I.	(144.89-169.71)	(124.85-153.23)	(172.10-244.23)	(150.75-216.45)
85+	241	148	47	46
Rate*	273.9	266.1	282.9	292.1
95% C.I.	(239.34-308.50)	(223.22-308.96)	(202.02-363.77)	(207.69-376.52)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
Note: The "---" is used for rates calculated on numbers less than ten.

APPENDIX A – CODES USED FOR GROUPING

One of the challenges of this report was to combine information on cancer from several different sources and develop a comprehensive report that details the burden and risk of cancer in the State of Nevada. To add to the complexity of it all, each data source did not use identical coding to identify each type of cancer.

The Nevada Central Cancer Registry uses the International Classification of Diseases – Oncology (ICD-O) coding system that is then broken down into the Topography, or Primary Site, as well as the Morphology of the specific cancer. The Topography section of the ICD-O coding structure is fairly comparable to the ICD-10 mortality classification system, with very little variation between the two systems. However, there are some variations, so this report uses the ICD-O coding structure as the primary source for identifying the type of cancer for this report.

Furthermore, the cancer incidence data for 2001 and beyond that are included in this report were classified using the ICD-O3 coding classification structure, while data in previous years were classified using the ICD-O2 coding system. However, this classification change is done within the Cancer Registry. Therefore, this report only shows the classification of the ICD-O code system.

The ICD-10 structure was implemented in 1999 for the coding of the underlying cause of death. However, for this report, due to the variations between the ICD-O and ICD-10 coding structures and the fact that the ICD-O system is the primary one used, there have not been any adjustments made to account for potential coding differences that may have occurred due to the change from the ICD-9 to the ICD-10 system in 1999 for all mortality data used in this report.

The inpatient hospital discharge (UB92) database that was used to provide the inpatient hospital discharge statistics for this report uses the ICD-9 coding structure.

The following pages detail the codes used for each type of coding structure present in the data used for this report. The codes used to identify the leading types of cancer for this report are highlighted. Those not falling under any of the highlighted leading groups were categorized into the All Other Sites grouping.

Table 296. ICD-O Codes Used

Type of Cancer	ICD-O2 Codes		
	Topography	Morphology	Excluding (M = Morphology)
Total	**Sum**	**Sum**	**---**
Lip, Oral Cavity and Pharynx	Sum of subgroups		
Lip	C00		M-9590:9989
Base of Tongue	C01		M-9590:9989
Other & Unspecified Parts of Tongue	C02		M-9590:9989
Parotid Gland	C07		M-9590:9989
Other & Unspecified Major Salivary glands	C08		M-9590:9989
Floor of Mouth	C04		M-9590:9989
Gum	C03		M-9590:9989
Palate	C05		M-9590:9989
Other & Unspecified Parts of Mouth	C06		M-9590:9989
Nasopharynx	C11		M-9590:9989
Tonsil	C09		M-9590:9989
Oropharynx	C10		M-9590:9989
Pyriform Sinus	C12		M-9590:9989
Hypopharynx	C13		M-9590:9989
Other & Unspecified Oral (Buccal) Cavity & Pharynx	C14		M-9590:9989
Digestive System	Sum of Subgroups		
Esophagus	C15		M-9590:9989
Stomach	C16		M-9590:9989
Small Intestine	C17		
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum		
Colon (excluding Rectum)	Sum of Subgroups		
Cecum	C18.0		M-9590:9989
Appendix	C18.1		M-9590:9989
Ascending Colon	C18.2		M-9590:9989
Hepatic Flexure	C18.3		M-9590:9989
Transverse Colon	C18.4		M-9590:9989
Splenic Flexure	C18.5		M-9590:9989
Descending Colon	C18.6		M-9590:9989
Sigmoid Colon	C18.7		M-9590:9989
Large Intestine, NOS	C18.8-C18.9, C26.0		M-9590:9989
Rectum	C20		M-9590:9989
Rectosigmoid Junction	C19		M-9590:9989
Anus, Anal Canal and Anorectum	C21		M-9590:9989
Liver	C22.0		M-9590:9989
Intrahepatic Bile Ducts	C22.1		M-9590:9989
Gallbladder	C23		M-9590:9989
Other & Unspecified Biliary Tract	C24		M-9590:9989
Pancreas	C25		M-9590:9989
Retroperitoneum	C48.0		M-9590:9989
Peritoneum, Omentum and Mesentery	C48.1-C48.2		M-9590:9989
Other Digestive Organs	C26.8-C26.9, C48.8		M-9590:9989
Respiratory System	Sum of Subgroups		
Nasal Cavity and Middle Ear	C30		M-9590:9989
Accessory Sinuses	C31		M-9590:9989
Larynx	C32		M-9590:9989
Lung and Bronchus	C34		M-9590:9989
Pleura	C38.4		M-9590:9989
Trachea	C33		M-9590:9989
Mediastinum and Other Respiratory Organs	C38.1, C38.3, C38.8, C39		M-9590:9989
Bones, Joints and Articular Cartilage	Sum of Subgroups		
Bones, Joints & Articular Cartilage of Limbs	C40		M-9590:9989
Bones, Joints & Articular Cartilage of Other & Unspec Sites	C41		M-9590:9989
Soft Tissue (Including Heart)	Sum of Subgroups		
Heart	C38.0		M-9590:9989
Peripheral Nerves & Autonomic Nervous System	C47		M-9590:9989
Connective, Subcutaneous & Other Soft Tissues	C49		M-9590:9989

Table 296. ICD-O Codes Used (Continued)

Type of Cancer	ICD-O2 Codes		
	Topography	Morphology	Excluding (M = Morphology)
Skin (Excluding Basal And Squamous)	Sum of Subgroups		
Melanomas Of The Skin	C44	M-8720-8790	
Other Non-Epithelial Skin	C44		M-8000:8004, 8010:8045, 8050:8082, 8090:8110, 8720:8790,
Breast	C50		M-9590:9989
Female Genital System	Sum of Subgroups		
Cervix Uteri	C53		M-9590:9989
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS		
Corpus Uteri	C54		M-9590:9989
Uterus, NOS	C55		M-9590:9989
Ovary	C56		M-9590:9989
Vagina	C52		M-9590:9989
Vulva	C51		M-9590:9989
Placenta	C58		M-9590:9989
Other Female Genital Organs	C57		M-9590:9989
Male Genital System	Sum of Subgroups		
Prostate	C61		M-9590:9989
Testis	C62		M-9590:9989
Penis	C60		M-9590:9989
Other Male Genital Organs	C63		M-9590:9989
Urinary System	Sum of Subgroups		
Urinary Bladder	C67		M-9590:9989
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis		
Kidney	C64		M-9590:9989
Renal Pelvis	C65		M-9590:9989
Ureter	C66		M-9590:9989
Other Urinary Organs	C68		M-9590:9989
Eye and Orbit	C69		
Brain and Other Central Nervous System	Sum of Subgroups		
Brain	C71		M-9530:9539, 9590:9989
Meninges	C70		M-9590:9989
Spinal Cord, Cranial Nerves, & Other Parts of CNS	C72	C71 & M-9530:9539	M-9590:9989
Endocrine System	Sum of Subgroups		
Thyroid Gland	C73		
Adrenal Gland	C74		
Other Endocrine (Including Thymus)	C37, C75		M-9590:9989
Hodgkin's Lymphoma		M-9650:9667	
Non-Hodgkin's Lymphoma		M-9590-9595, 9670-9677, 9680-9688, 9690-9698, 9700-9717, 9823, 9827	C42.0, C42.1, C42.4
Multiple Myeloma		M-9731-9732	
Leukemia	Sum of subgroups		
Lymphocytic	Sum of subgroups		
Acute Lymphocytic		M-9821, 9826, 9828	
Chronic Lymphocytic	C42.0, C42.1, C42.4	M-9823	
Other Lymphocytic		M-9820, 9822, 9824-9825, 9850, 9940-9941	
Myeloid and Monocytic	Sum of subgroups		
Acute Myeloid Leukemia		9866, 9867, 9871-9874, 9910	
Acute Monocytic Leukemia		M-9891	
Chronic Myeloid Leukemia		M-9863, 9868	
Other Myeloid/Monocytic Leukemia		9880, 9890, 9892-9894, 9930	
Other	Sum of subgroups		
Other Acute		M-9801, 9931, 9932	
Aleukemic, Subleukemic and NOS		M-9800, 9802-9804, 9830, 9842, 9870, 9900	
	C42.0, C42.1, C42.4	M-9827	
Mesothelioma		M-9050-9055	
Kaposi's Sarcoma		M-9140	
Other, Ill-Defined and Unspecified Sites	All Others		

Table 297. ICD-9 and ICD-10 Codes Used

Type of Cancer	ICD-9	ICD-10
Total	**Sum**	**Sum**
Lip, Oral Cavity and Pharynx	Sum of subgroups	Sum of subgroups
Lip	140	C00
Base of Tongue	141.0	C01
Other & Unspecified Parts of Tongue	141.1-141.9	C02
Parotid Gland	142.0	C07
Other & Unspecified Major Salivary glands	142.1-142.9	C08
Floor of Mouth	144	C04
Gum	143	C03
Palate	145.2-145.5	C05
Other & Unspecified Parts of Mouth	145.0, 145.1, 145.6-145.9	C06
Nasopharynx	147	C11
Tonsil	146.0-146.2	C09
Oropharynx	146.3-146.9	C10
Pyriform Sinus	148.1	C12
Hypopharynx	148.0, 148.2-148.9	C13
Other & Unspecified Oral (Buccal) Cavity & Pharynx	149	C14
Digestive System	Sum of Subgroups	Sum of Subgroups
Esophagus	150	C15
Stomach	151	C16
Small Intestine	152	C17
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum	
Colon (excluding Rectum)	Sum of Subgroups	Sum of Subgroups
Cecum	153.4	C18.0
Appendix	153.5	C18.1
Ascending Colon	153.6	C18.2
Hepatic Flexure	153.0	C18.3
Transverse Colon	153.1	C18.4
Splenic Flexure	153.7	C18.5
Descending Colon	153.2	C18.6
Sigmoid Colon	153.3	C18.7
Large Intestine, NOS	153.8-153.9, 159.0	C18.8-C18.9, C26.0
Rectum	154.1	C20
Rectosigmoid Junction	154.0	C19
Anus, Anal Canal and Anorectum	154.2-154.8	C21
Liver	155.0, 155.2	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic Bile Ducts	155.1	C22.1
Gallbladder	156.0	C23
Other & Unspecified Biliary Tract	156.1-156.9	C24
Pancreas	157	C25
Retroperitoneum	158.0	C48.0
Peritoneum, Omentum and Mesentery	158.8-158.9	C48.1, C48.2
Other Digestive Organs	159.8, 159.9	C26.8-C26.9, C48.8
Respiratory System	Sum of Subgroups	Sum of Subgroups
Nasal Cavity and Middle Ear	160.0, 160.1	C30
Accessory Sinuses	160.2-160.9	C31
Larynx	161	C32
Lung and Bronchus	162.2-162.9	C34
Pleura	163	C38.4
Trachea	162.0	C33
Mediastinum and Other Respiratory Organs	164.2-164.9, 165	C38.1, C38.3, C38.8, C39
Bones, Joints and Articular Cartilage	Sum of Subgroups	Sum of Subgroups
Bones, Joints & Articular Cartilage of Limbs	170.4, 170.5, 170.7, 170.8	C40
Bones, Joints & Articular Cartilage of Other & Unspec Sites	170.0-170.3, 170.6, 170.9	C41
Soft Tissue (Including Heart)	Sum of Subgroups	Sum of Subgroups
Heart	164.1	C38.0
Peripheral Nerves & Autonomic Nervous System	---	C47
Connective, Subcutaneous & Other Soft Tissues	171	C49

Table 297. ICD-9 and ICD-10 Codes Used (Continued)

Type of Cancer	ICD-9	ICD-10
Skin (Excluding Basal And Squamous)	Sum of Subgroups	Sum of Subgroups
Melanomas Of The Skin	172	C43
Other Non-Epithelial Skin	173	C44
Breast	174-175	C50
Female Genital System	Sum of Subgroups	Sum of Subgroups
Cervix Uteri	180	C53
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS
Corpus Uteri	182	C54
Uterus, NOS	179	C55
Ovary	183.0	C56
Vagina	184.0	C52
Vulva	184.1-184.4	C51
Placenta	181	C58
Other Female Genital Organs	183.2-183.9, 184.8, 184.9	C57
Male Genital System	Sum of Subgroups	Sum of Subgroups
Prostate	185	C61
Testis	186	C62
Penis	187.1-187.4	C60
Other Male Genital Organs	187.5-187.9	C63
Urinary System	Sum of Subgroups	Sum of Subgroups
Urinary Bladder	188	C67
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis
Kidney	189.0	C64
Renal Pelvis	189.1	C65
Ureter	189.2	C66
Other Urinary Organs	189.3-189.9	C68
Eye and Orbit	190	C69
Brain and Other Central Nervous System	Sum of Subgroups	Sum of Subgroups
Brain	191	C71
Meninges	192.1, 192.3	C70
Spinal Cord, Cranial Nerves, & Other Parts of CNS	192.0, 192.2, 192.8, 192.9	C72
Endocrine System	Sum of Subgroups	Sum of Subgroups
Thyroid Gland	193	C73
Adrenal Gland	194.0	C74
Other Endocrine (Including Thymus)	164.0, 194.1-194.9	C37, C75
Hodgkin's Lymphoma	201	C81
Non-Hodgkin's Lymphoma	200, 202.8, 202.9, 202.0-202.2	C82-C85, C96.3
Multiple Myeloma	203.0, 238.6	C90.0, C90.2
Leukemia	Sum of subgroups	
Lymphocytic	Sum of subgroups	
Acute Lymphocytic	204.0	C91.0
Chronic Lymphocytic	204.1	C91.1
Other Lymphocytic	202.4, 204.2, 204.8-204.9	C91.2-C91.4, C91.7, C91.9
Myeloid and Monocytic	Sum of subgroups	
Acute Myeloid Leukemia	205.0, 207.0, 207.2	C92.0, C92.4-C92.5, C94.0, C94.2
Acute Monocytic Leukemia	206.0	C93.0
Chronic Myeloid Leukemia	205.1	C92.1
Other Myeloid/Monocytic Leukemia	205.2-205.3, 205.8-205.9, 206.1-206.2, 206.8-206.9	C92.2-C92.3, C92.7, C92.9, C93.1-C93.2, C93.7, C93.9
Other	Sum of subgroups	
Other Acute	208.0	C94.4, C94.5, C95.0
Aleukemic, Subleukemic and NOS	203.1, 207.1, 207.8, 208.1-208.2, 208.8-208.9	C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9
Mesothelioma	N/A	C45
Kaposi's Sarcoma	176	C46
Other, Ill-Defined and Unspecified Sites	All Others	All Others

APPENDIX B – FORMULAS

AGE-ADJUSTED RATE:

$$\frac{E_t}{S_t} \times 100{,}000$$

E_t = Total Expected Number of Events = $\sum_{i=1}^{k} E_i$

S_t = Total Standard Population = $\sum_{i=1}^{k} S_i$

CR = Crude Rate = $\frac{N_t}{P_t} \times 100{,}000$

P_t = Total State Population = $\sum_{i=1}^{k} P_i$

N_t = Total Number of Events = $\sum_{i=1}^{k} N_i$

E_i = Age-Specific Expected Number of Events = $\frac{N_i}{P_i} \times S_i$

S_i = Standard Age-Specific Population

k = Number of Age Groups

AGE-ADJUSTED RATE CONFIDENCE INTERVALS:

$$w_i = \frac{stdmil_i}{\left(pop_i \times \sum_{j=x}^{y} stdmil_j \right)}$$

$$w_m = \max(w_i)$$

$$v = \sum_{i=x}^{y} (w_i^2 \times count_i)$$

$$CI_{low} = \left(\frac{v}{2 \times rate} \right) \times \left(ChiInv\left(\frac{p}{2}, \frac{(2 \times rate^2)}{v} \right) \right) \times 100{,}000$$

$$CI_{upper} = \left(\frac{v + w_m^2}{2(rate + w_m)} \right) \times \left(ChiInv\left(1 - \frac{p}{2}, \frac{2(rate + w_m)^2}{(v + w_m^2)} \right) \right) \times 100{,}000$$

AGE-ADJUSTED RATE STANDARD ERROR:

$$SE_{AArate} = \left[\sum_{i=x}^{y} \left(\frac{stdmil_i}{\sum_{j=x}^{y} stdmil_j} \right)^2 \times \left(\frac{count_i}{population_i^2} \right) \right]^{1/2} \times 100{,}000$$

CAUSE SPECIFIC SURVIVAL RATE:

$$L_x = L_{x-1} - D_{x-1} - U_{x-1} - W_{x-1}$$

$$L_x^* = L_x - \frac{1}{2}(U_x + W_x)$$

$$P_x = 1 - \frac{D_x}{L_x^*}$$

$$CP_x = P_1, P_2, \ldots\ldots, P_x$$

L_1 = Total number of cases included in table

L_x = Number of cases alive at beginning of interval *x*

L_x^* = Adjusted number of cases alive at during interval *x*

D_x = Number of cases dying from Cancer during interval *x*

U_x = Number of cases untraced (lost to follow up) during interval *x*, where the definition for "lost to follow up" is: alive with follow up date prior to some prescribed date

W_x = Number of cases withdrawn alive during interval *x*, where the definition of "withdrawn alive" is: alive with follow up date later than some specified date (This is the same as in previous definition.)

P_x = Cause specific survival rate for interval *x*

CP_x = Cumulative cause specific survival rate

CRUDE RATE:

$$CR = \frac{NumberofEvents}{Population} \times 100{,}000$$

CRUDE RATE CONFIDENCE INTERVALS:

$$CI_{lower} = \left(\frac{100{,}000}{Population}\right) \times \left(Events - \left(1.96 \times \sqrt{Events}\right)\right)$$

$$CI_{upper} = \left(\frac{100{,}000}{Population}\right) \times \left(Events + \left(1.96 \times \sqrt{Events}\right)\right)$$

MEDIAN SURVIVAL RATE:

$$MedianSurvival = (Interval - 1) + \left(\frac{(CP_{x-1} - .5)}{(CP_{x-1} - CP_x)}\right)$$

ELSE IF: CP_x for first interval is less than .5, then median survival:

$$MedianSurvival = \frac{.5}{(1 - CP_x)}$$

ELSE IF: CP_x for interval is equal to .5, then median survival:

$$MedianSurvival = Interval$$

CP_x = Cumulative cause specific survival rate for interval x

PERCENTAGE (BRFSS) CONFIDENCE INTERVALS:

$$CI_{lower} = Weighted\% - 1.96 \times \sqrt{\frac{Weighted\% \times (1 - Weighted\%)}{Total\ Responses}}$$

$$CI_{upper} = Weighted\% + 1.96 \times \sqrt{\frac{Weighted\% \times (1 - Weighted\%)}{Total\ Responses}}$$

REFERENCES

1). Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 13 Regs Public-Use, Nov 2004 Sub for Expanded Races (1992-2002), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2005, based on the November 2004 submission.

2). Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 13 Regs excluding AK Public-Use, Nov 2004 Sub for Hispanics (1992-2002), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2005, based on the November 2004 submission.

3). "ICD-9 to ICD-10" text document, ICD Conversion Programs, Surveillance, Epidemiology and End Results (SEER), National Cancer Institute, October 2002. http://seer.cancer.gov/tools/, 2002.

4). National Cancer Institute, Surveillance, Epidemiology and End Results (SEER), February 2003. http://seer.cancer.gov/, 2003.

5). National Cancer Institute, "What you need to know about…" publications. http://cancer.gov/cancer_information/list.aspx?viewid=920AFA90-5547-4739-8D2D-89968F77A87D., 2003.

6). Young JL Jr, Roffers SD, Ries LAG, Fritz AG, Hurlbut AA (eds). SEER Summary Staging Manual - 2000: Codes and Coding Instructions, National Cancer Institute, NIH Pub. No. 01-4969, Bethesda, MD, 2001. http://seer.cancer.gov/tools/ssm/. 2003.

FEEDBACK AND SUGGESTIONS

In a continuing effort to provide an annual Cancer Report that is useful to the communities of Nevada, feedback and suggestions on the information contained in this report is welcome. An electronic form is also available for completion at: http://health2k.state.nv.us/nihds/cancer/1999-2003Report/feedback.

Please return the completed survey by mail, fax or email to:

Center for Health Data and Research
Bureau of Health Planning and Statistics
505 E. King Street, Rm 102
Carson City, NV 89701
Fax: (775) 684-4156
wyang@nvhd.state.nv.us

1. How did you first find the report?

Hard Copy ☐ Electronic Copy ☐ State Website ☐

2. Please rate the overall value of the report:

Extremely Valuable 5	4	3	2	No Value 1
☐	☐	☐	☐	☐

3. Please rate the general information included in this report:

Type of Information	Extremely Helpful 5	4	Somewhat Helpful 3	2	Not Helpful 1	Not Applicable 0
General Sections						
Overview	☐	☐	☐	☐	☐	☐
Cancer Incidence	☐	☐	☐	☐	☐	☐
Inpatient Discharge	☐	☐	☐	☐	☐	☐
Mortality	☐	☐	☐	☐	☐	☐
Survival Rate	☐	☐	☐	☐	☐	☐

(PLEASE CONTINUE SURVEY ON NEXT PAGE)

4. Please rate the information on specific types of cancer included in this report:

Type of Information	Extremely Helpful 5	4	Somewhat Helpful 3	2	Not Helpful 1	Not Applicable 0
Type of Cancer						
All Cancers	☐	☐	☐	☐	☐	☐
Lung and Bronchus	☐	☐	☐	☐	☐	☐
Breast	☐	☐	☐	☐	☐	☐
Prostate	☐	☐	☐	☐	☐	☐
Colorectal	☐	☐	☐	☐	☐	☐
Urinary Bladder	☐	☐	☐	☐	☐	☐
Non-Hodgkin's Lymphoma	☐	☐	☐	☐	☐	☐
Kidney & Renal Pelvis	☐	☐	☐	☐	☐	☐
Leukemia	☐	☐	☐	☐	☐	☐
Lip, Oral Cavity & Pharynx	☐	☐	☐	☐	☐	☐
Pancreas	☐	☐	☐	☐	☐	☐
All Other Cancers	☐	☐	☐	☐	☐	☐

Other Comments:

_____

_____

_____

_____

If you would like to be put onto the mailing list for future editions of this report, please fill out the following information and return it to the address listed at the top of this survey:

Hard Copy ☐ Email Notification ☐

Name:_____ Title:_____ Phone:_____
Business Organization or Affiliation:_____
Mailing Address:_____
City:_____ State:_____ Zip Code:_____
Email Address:_____