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

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACKNOWLEDGEMENTS</td>
<td>1</td>
</tr>
<tr>
<td>PREFACE</td>
<td>1</td>
</tr>
<tr>
<td>TABLE OF CONTENTS</td>
<td>2</td>
</tr>
<tr>
<td>LIST OF FIGURES AND TABLES</td>
<td>6</td>
</tr>
<tr>
<td>TECHNICAL NOTES</td>
<td>28</td>
</tr>
<tr>
<td>OVERVIEW</td>
<td>37</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>37</td>
</tr>
<tr>
<td>INCIDENCE</td>
<td>45</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>45</td>
</tr>
<tr>
<td>INPATIENT HOSPITAL DISCHARGES</td>
<td>58</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>58</td>
</tr>
<tr>
<td>MORTALITY</td>
<td>66</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>66</td>
</tr>
<tr>
<td>SURVIVAL RATE</td>
<td>75</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>75</td>
</tr>
<tr>
<td>ALL CANCERS</td>
<td>82</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>82</td>
</tr>
<tr>
<td>INCIDENCE</td>
<td>85</td>
</tr>
<tr>
<td>INPATIENT HOSPITAL DISCHARGES</td>
<td>93</td>
</tr>
<tr>
<td>MORTALITY</td>
<td>100</td>
</tr>
<tr>
<td>SURVIVAL RATE</td>
<td>107</td>
</tr>
<tr>
<td>LUNG AND BRONCHUS CANCER</td>
<td>111</td>
</tr>
<tr>
<td>GENERAL PROFILE</td>
<td>111</td>
</tr>
<tr>
<td>HIGHLIGHTS</td>
<td>112</td>
</tr>
<tr>
<td>INCIDENCE</td>
<td>114</td>
</tr>
<tr>
<td>INPATIENT HOSPITAL DISCHARGES</td>
<td>122</td>
</tr>
<tr>
<td>MORTALITY</td>
<td>129</td>
</tr>
<tr>
<td>SURVIVAL RATE</td>
<td>136</td>
</tr>
<tr>
<td>BREAST CANCER</td>
<td>140</td>
</tr>
</tbody>
</table>
INCIDENCE ...............................................................................................................................................264
INPATIENT HOSPITAL DISCHARGES ...............................................................................................272
MORTALITY ...........................................................................................................................................279
SURVIVAL RATE ...............................................................................................................................286

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

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

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

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

ALL OTHER CANCERS .....................................................................................................................406
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, 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 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 ......................................................................................................................................69
Table 15. Top Ten Types of Cancer Mortality by County/Region of Residence, Nevada Residents, 1999-2003 ......................................................................................................................................70
Table 16. Top Ten Types of Cancer Mortality by Age Group, Nevada Residents, 1999-2003 ......................................................................................................................................72
Table 17. Median Age at Time of Death by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1999-2003 ......................................................................................................................................73

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 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
Figure 36. Anatomy of the Respiratory Tract ........................................................................................................................................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
Figure 49. Anatomy of the Breast

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

INCIDENCE
Figure 50. Female Breast Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003
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)
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)
Table 66. Female Breast Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003
Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003
Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003
Table 69. Breast Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003
Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

INPATIENT HOSPITAL DISCHARGES
Figure 53. Female Breast Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003
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
Table 73. Female Breast Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003
Table 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003
Table 75. Female Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003
Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

MORTALITY
Figure 57. Female Breast Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003
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
Figure 62. Anatomy of the Male Urogenital System ........................................................................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
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

INPATIENT HOSPITAL DISCHARGES

Figure 66. Prostate Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003
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
Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003
Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003
Table 97. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003
Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003
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
Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003
Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1999-2003
Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003
Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1999-2003
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
Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

COLORECTAL CANCER

GENERAL PROFILE
Figure 75. Anatomy of the Digestive System

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

INCIDENCE
Figure 76. Colorectal Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003
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)
Table 109. Colorectal Cancer Cases by Age Group and County/Region of Residence, Nevada Residents (1999-2003)
Table 110. Colorectal Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003
Table 111. Colorectal Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003
Table 112. Colorectal Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003
Table 113. Colorectal Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003
Table 114. Colorectal Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003
Table 115. Median Age at Diagnosis of Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

INPATIENT HOSPITAL DISCHARGES
Figure 79. Colorectal Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003
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
Table 117. Colorectal Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003
Table 118. Colorectal Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003
Table 119. Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

14
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
Figure 88. Anatomy of the Urinary System ......................................................................................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
Figure 101. Anatomy of the Lymphatic System .................................................................261

INCIDENCE
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 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 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 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
Figure 114. Anatomy of the Urinary System ........................................................................290
INCIDENCE
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 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, Charges and Length of Stay, Nevada Residents, 1999-2003 .................................................................306

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
Figure 127. Anatomy of the Oral Cavity ..........................................................................................319

INCIDENCE
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 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 ..................................................331
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, Charges and Length of Stay, 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 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 ..............................................................................340
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
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 
Table 214. Leukemia Cases by Age Group and County/Region of Residence at Diagnosis, Nevada 
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
Figure 153. Anatomy of the Endocrine System .................................................................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 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

INPATIENT HOSPITAL DISCHARGES

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

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

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

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

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

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

MORTALITY


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

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

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

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

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

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

SURVIVAL RATE

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

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 .................................................................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

Table 270. Brain and Other Central Nervous System Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

STOMACH CANCER

Figure 171. Anatomical Drawing of the Esophagus and Stomach

Table 271. Stomach Cancer Mortality by Age Group and County/Region of Residence at Diagnosis, Nevada Residents, 1999-2003

Table 272. Stomach Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Table 273. Stomach Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

LIVER AND INTRAHEPATIC BILE DUCTS CANCER

Figure 172. Anatomical Drawing of the Digestive System

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)

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

Table 276. Liver and Intrahepatic Bile Ducts Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

CERVICAL CANCER

Figure 173. Anatomical Drawing of the Female Reproductive System

Table 277. Cervical Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1999, 2000 and 2002

Table 278. Cervical Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Table 279. Cervical Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Table 280. Cervical Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

ESOPHAGEAL CANCER

Figure 174. Anatomical Drawing of the Esophagus and Stomach

Table 281. Esophageal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Table 282. Esophageal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Table 283. Esophageal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

LARYNX CANCER

Figure 175. Anatomy of the Oral Cavity

Table 284. Larynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Table 285. Larynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003
Table 286. Larynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

MULTIPLE MYELOMA

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

HODGKIN’S LYMPHOMA

Figure 177. Anatomy of the Lymphatic System
Table 291. Hodgkin’s Lymphoma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003
Table 292. Hodgkin’s Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

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)
Table 294. Inpatient Discharges for All Other Sites by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003
Table 295. All Other Sites Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

APPENDIX A – CODES USED FOR GROUPING

Table 296. ICD-O Codes Used
Table 296. ICD-O Codes Used (Continued)
Table 297. ICD-9 and ICD-10 Codes Used
Table 297. ICD-9 and ICD-10 Codes Used (Continued)
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.