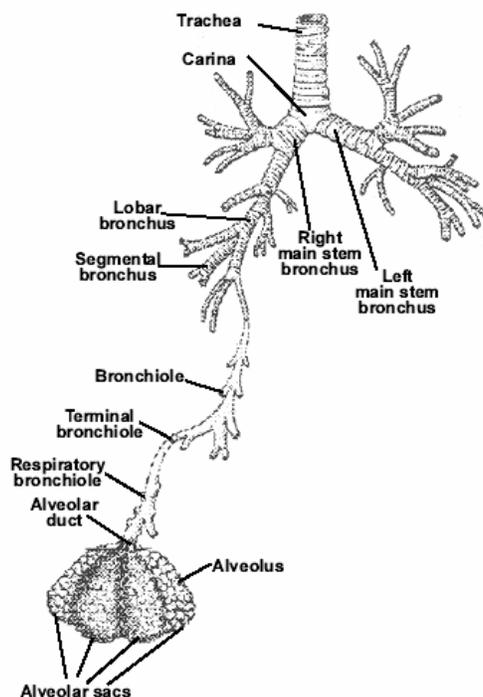


# **LUNG AND BRONCHUS CANCER**

## LUNG AND BRONCHUS CANCER

### GENERAL PROFILE<sup>4</sup>

Figure 36. Anatomy of the Respiratory Tract<sup>5</sup>



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

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

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

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

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

## **HIGHLIGHTS**

- Nevadan females had a higher ratio than males when the incidence and mortality age-adjusted rates for Lung and Bronchus Cancer were compared. Females had a ratio of 1.37 while the ratio for males was 1.25. This means that for every 100 deaths due to Lung and Bronchus Cancer there would be 137 female cases while only 125 cases for every male death.
- The median age at diagnosis of Lung and Bronchus Cancer for Nevada residents, both male and female was 69 years of age from 1999 to 2003. The median age at time of death due to Lung and Bronchus Cancer was 70 years for Nevada residents, both male and female, during this same period.

## **INCIDENCE**

- There were 7,840 cases of Lung and Bronchus Cancer reported in Nevada from 1999 to 2003, which was the highest of any type of cancer during this period. Clark County had a statistically significant higher incidence rate of Lung and Bronchus Cancer (82.7) during this period, with both Washoe County and All Other Counties, as a region having slightly lower rates of 73.7 and 73.4, respectively. Furthermore, Nevada, as a whole, as well as its three regions had statistically significant higher rates than the national rate of 61.0 (per 100,000 – 2000 US Standard population).
- Whites and Blacks, as racial/ethnic groups, accounted for 94.6% of all reported Lung and Bronchus Cancer cases during the 1999 to 2003 period. Their higher age-adjusted incidence rates, 86.3 and 79.4 respectively, showed statistical significance over Asians, Hispanics and Native Americans who had age-adjusted incidence rates of 39.9, 31.3 and 2.4 (per 100,000 – 2000 US Standard population), respectively, during this same period.
- The higher age-adjusted incidence rate [90.9, C.I. (88.0-93.90)] for males was statistically significant at the 95% CL over the rate for females, [70.6, C.I. (68.3-73.0)], during the 1999 to 2003 period for Lung and Bronchus Cancer. However, both had statistically significant higher rates when compared to their national counterparts. The percentage point difference was considerably more for females who were 43.8% greater than the national rate, 49.1 (48.6-49.5), while the percentage point difference for Males was still a considerable 14.9% over the national rate, 79.1 (78.4-79.7), during this period.

## **INPATIENT HOSPITAL DISCHARGES**

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for over 194.4 million dollars from 1999 to 2003. Nevadans in the 55-64 and 65-74 age groups accounted for 65.6% of the total charges during this period. The overall daily billed amount for these discharges was approximately \$4,999 in Nevada during this period.
- There were 4,883 Inpatient Discharges for Lung and Bronchus Cancer to Nevada residents in Nevada from 1999 to 2003. Clark County (51.9) had the highest age-adjusted

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

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

## **MORTALITY**

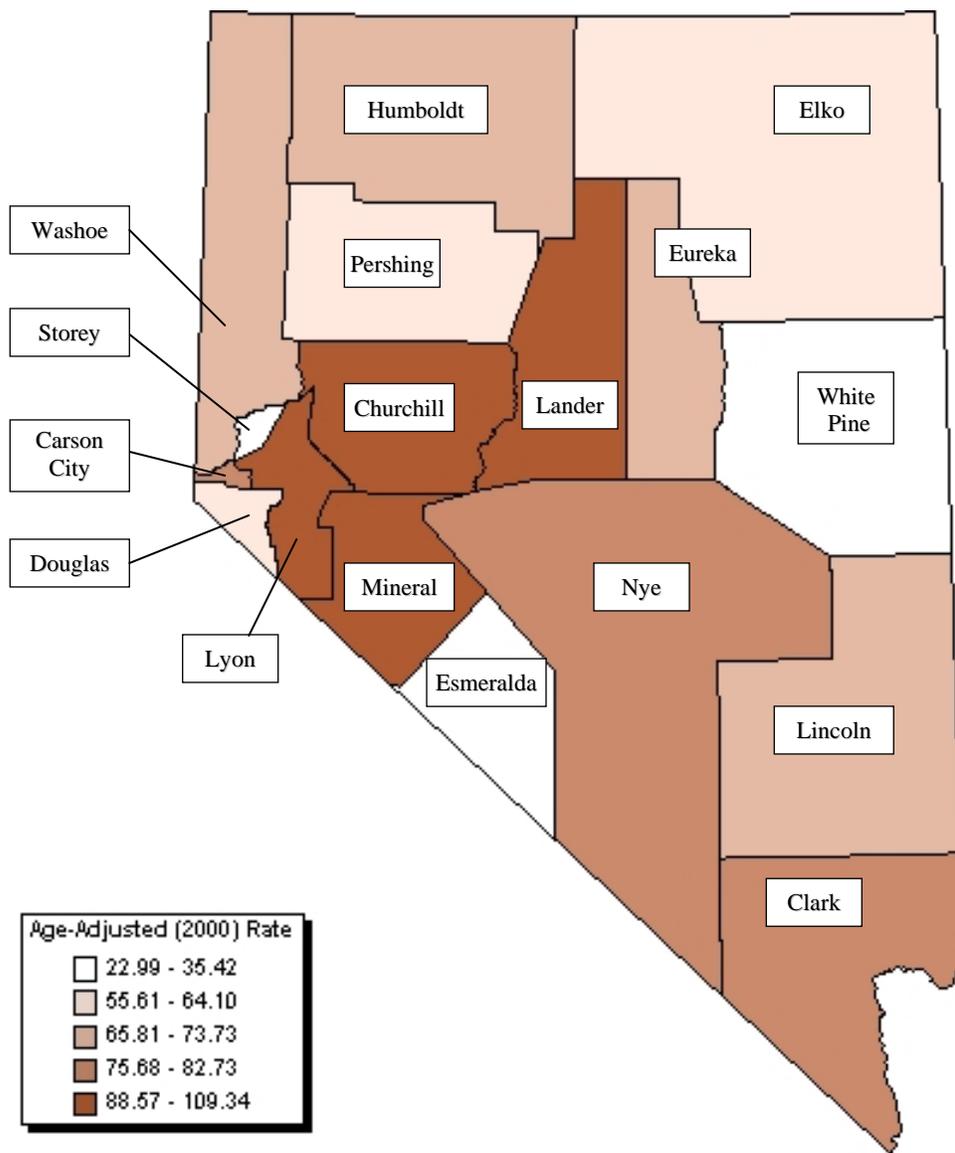
- There were 5,895 resident deaths due to Lung and Bronchus Cancer from 1999 to 2003. Clark County had a higher age-adjusted mortality rate (61.5) than Washoe County (60.2) and All Other Counties, as a region, (59.8) during the 1999 to 2003 period.
- Nevadan males had a 40.2% higher statistically significant age-adjusted mortality rate 72.5 for Lung and Bronchus Cancer when compared to the female rate of 51.7 (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.
- Whites and Blacks, as racial/ethnic groups, accounted for 95.6% of all reported Lung and Bronchus Cancer mortality cases during the 1999 to 2003 period. Their higher age-adjusted mortality rates, 66.4 and 60.3 respectively, showed statistical significance over Native Americans, Asians, and Hispanics who had age-adjusted incidence rates of 26.2, 25.9 and 20.1 (per 100,000 – 2000 US Standard population), respectively, during this same period.

## **SURVIVAL RATE**

- Females had a higher one-year survival rate (44.0%) than males (38.0%) for Lung and Bronchus Cancer in Nevada from 1999 to 2003. This trend was similar for the median survival time with females and males at 0.89 and 0.81 years, respectively. However, the difference decreased by the five-year survival rate where females only had a slightly higher rate at 19.5% with males at 17.5% during this period.
- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (51.7%), while Hispanics had the highest five-year survival rate (29.4%) of those groups that had a rate calculated for Nevada from 1999 to 2003.
- The Lung and Bronchus Cancer Survival Rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 78.1% and 50.9%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 54.7% and 23.1% for the one year period and 22.5% and 7.8% for the five year period.

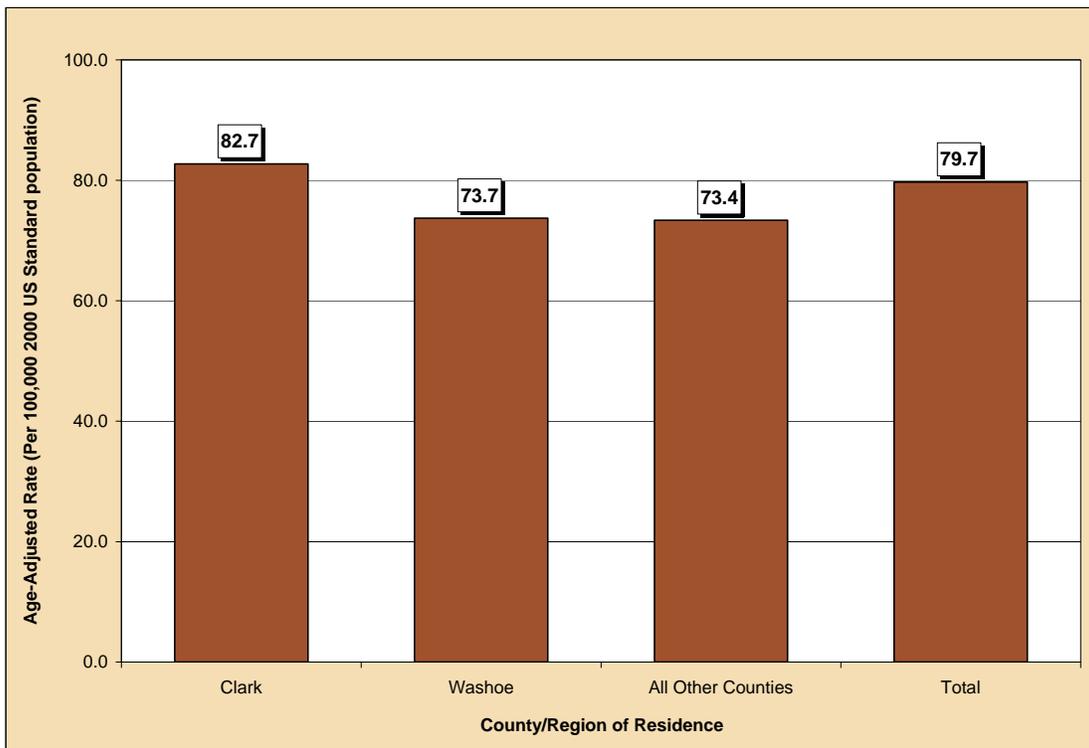
## INCIDENCE

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

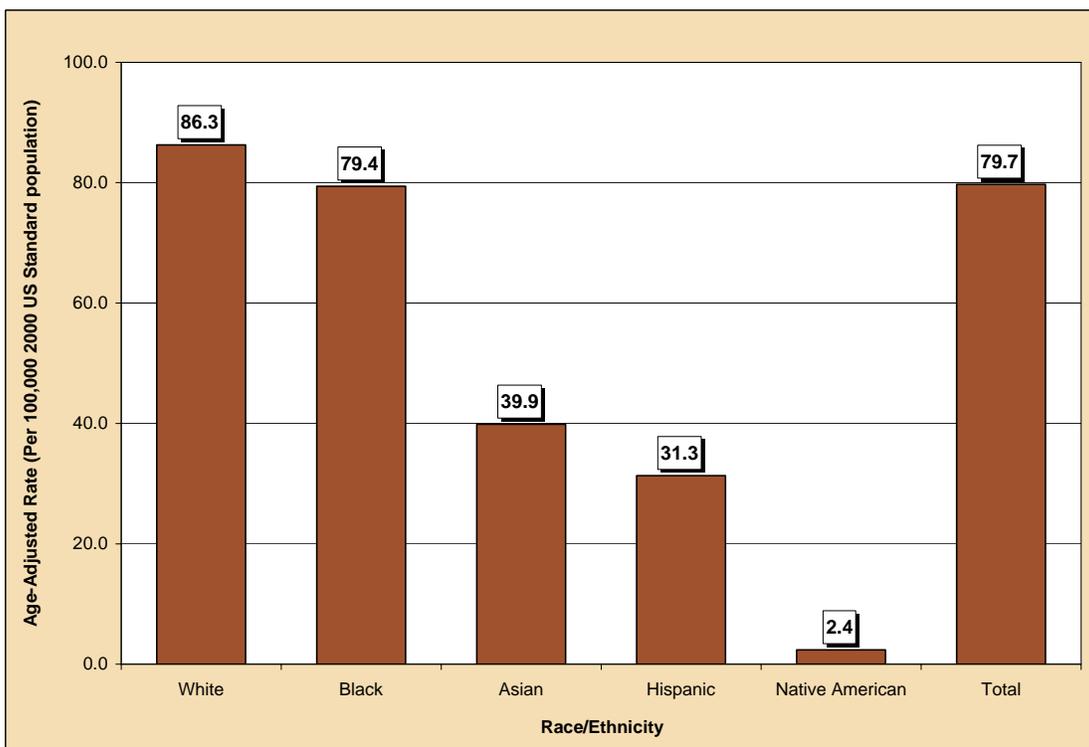


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

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



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



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

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

\* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the national (SEER) rates. See Technical Notes for more information.

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

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

\* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

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

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

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

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

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

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

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

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

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

\* Rates are per 100,000 age-specific population.

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

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

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

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

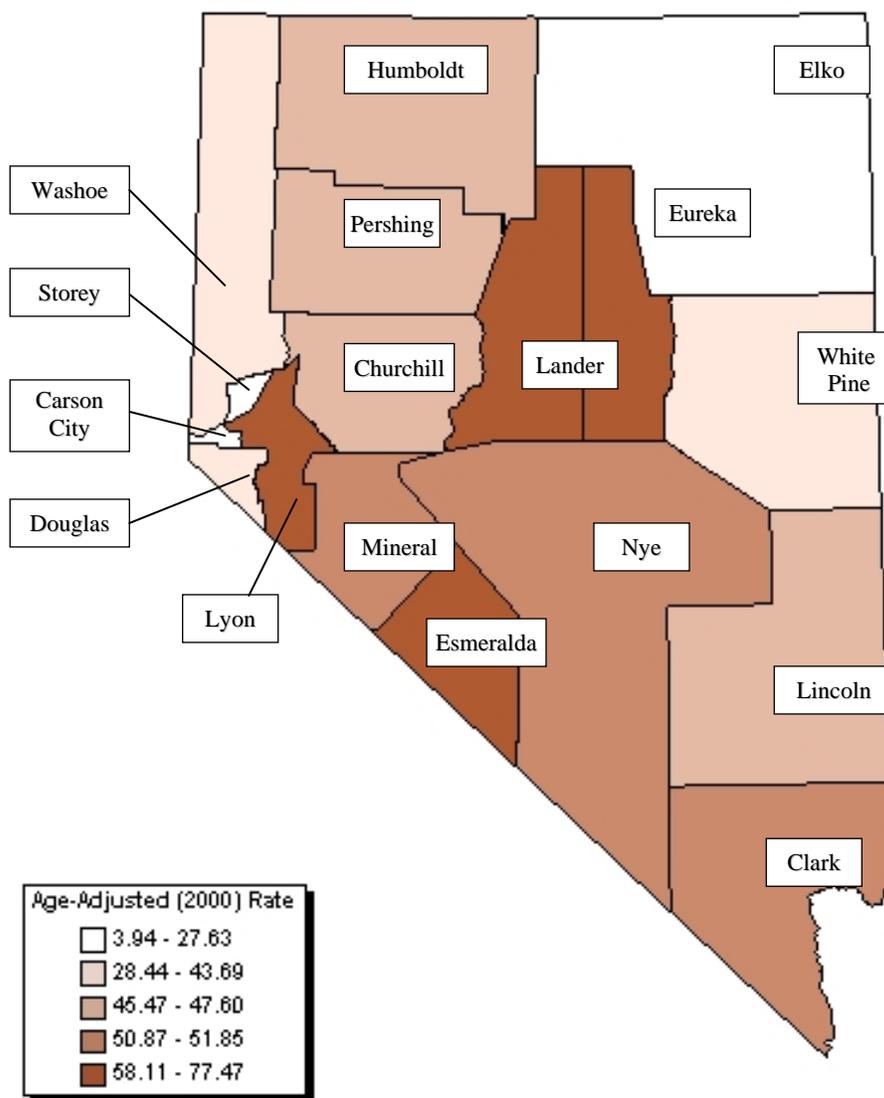
**Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003**

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

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

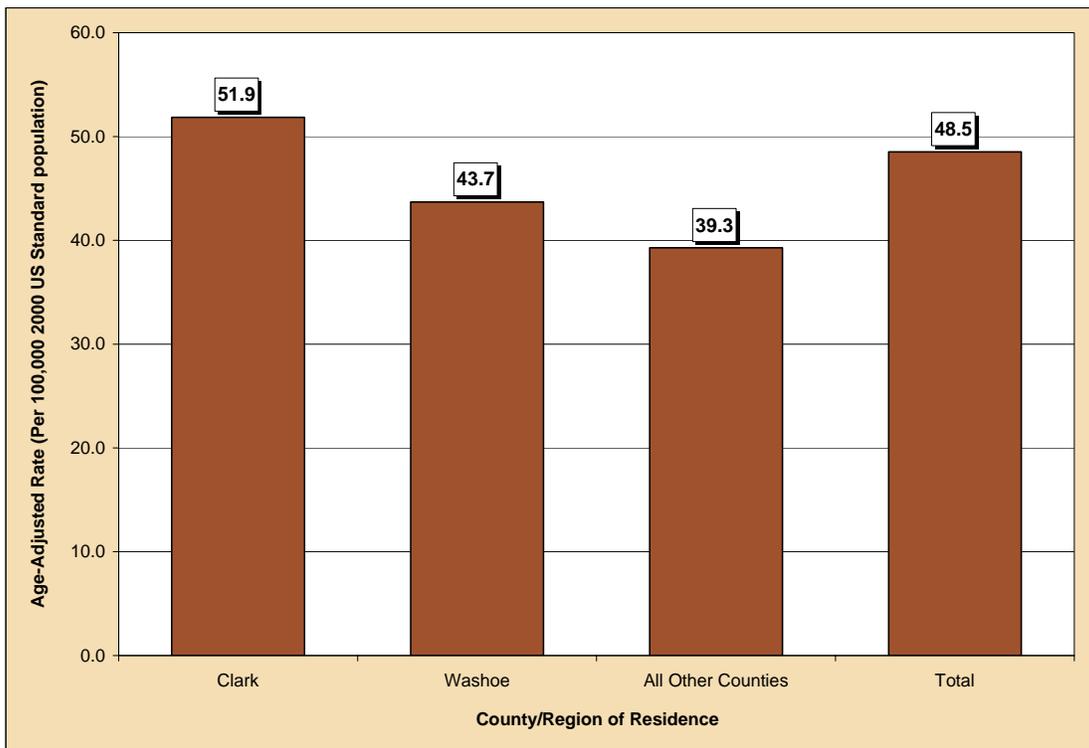
## INPATIENT HOSPITAL DISCHARGES

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

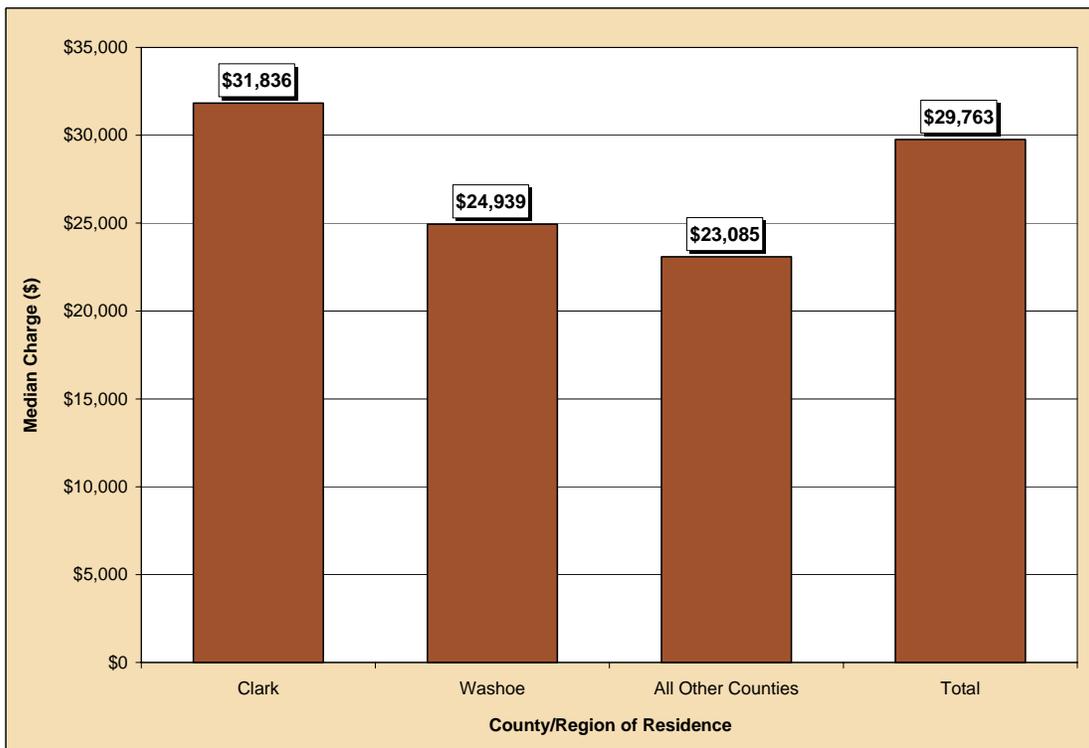


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical Notes for more information.

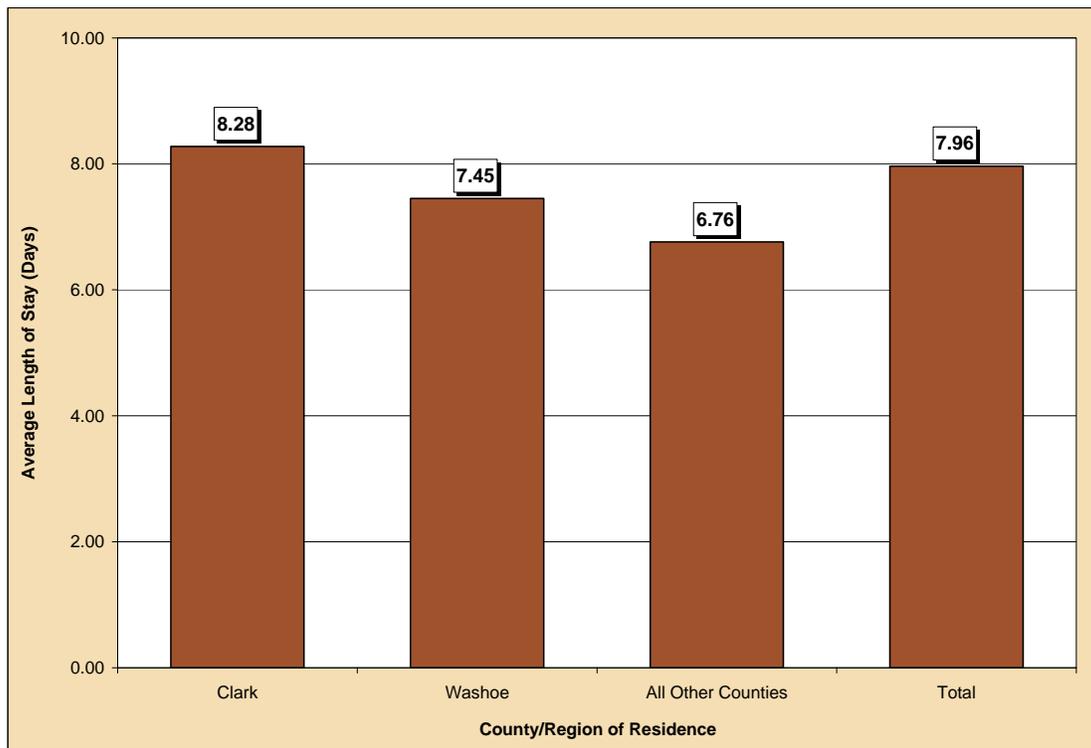
**Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003**



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



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



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

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

\* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

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

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

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

\* Rates are per 100,000 age-specific population.

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

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

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

\* Rates are per 100,000 age-specific population.

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

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

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

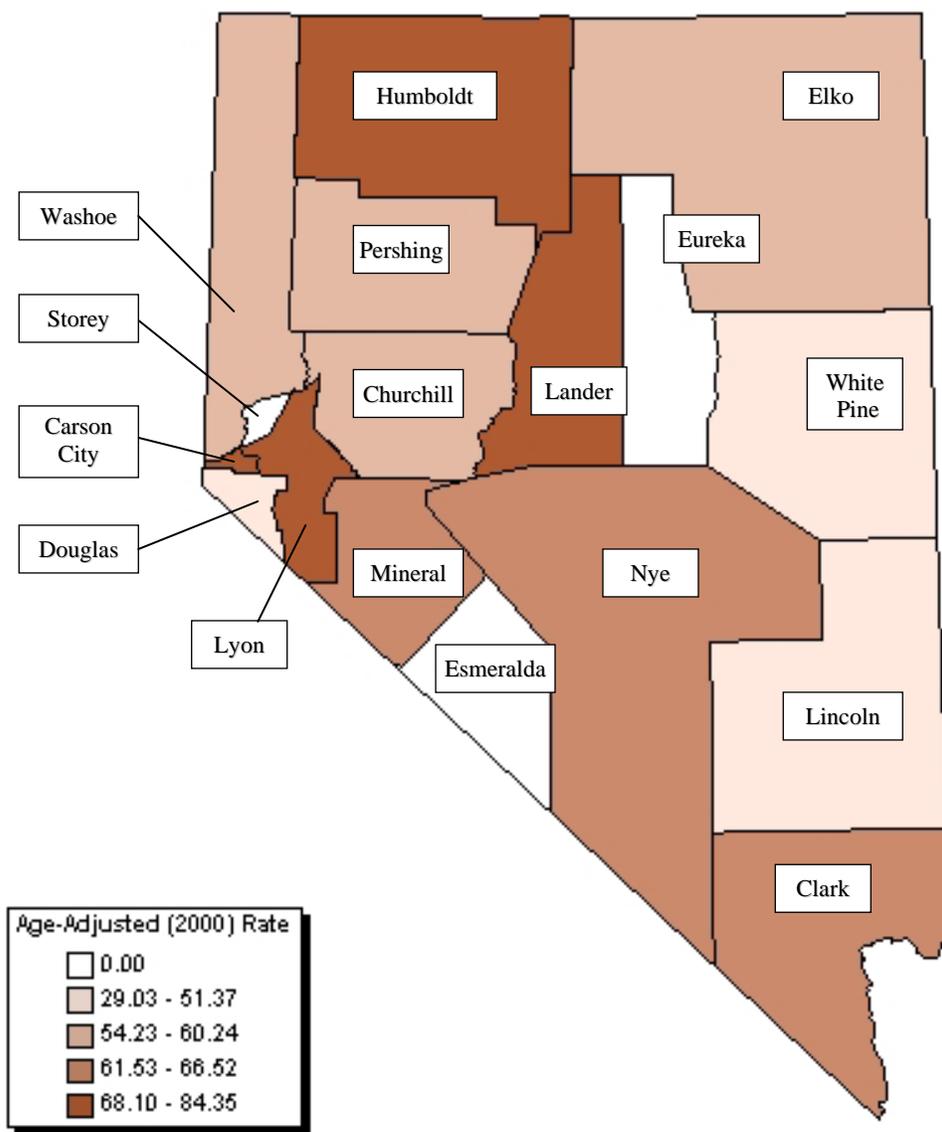
Note: The "----" is used for rates calculated on numbers less than ten. \*Rates are per 100,000 population. \*\*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

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

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

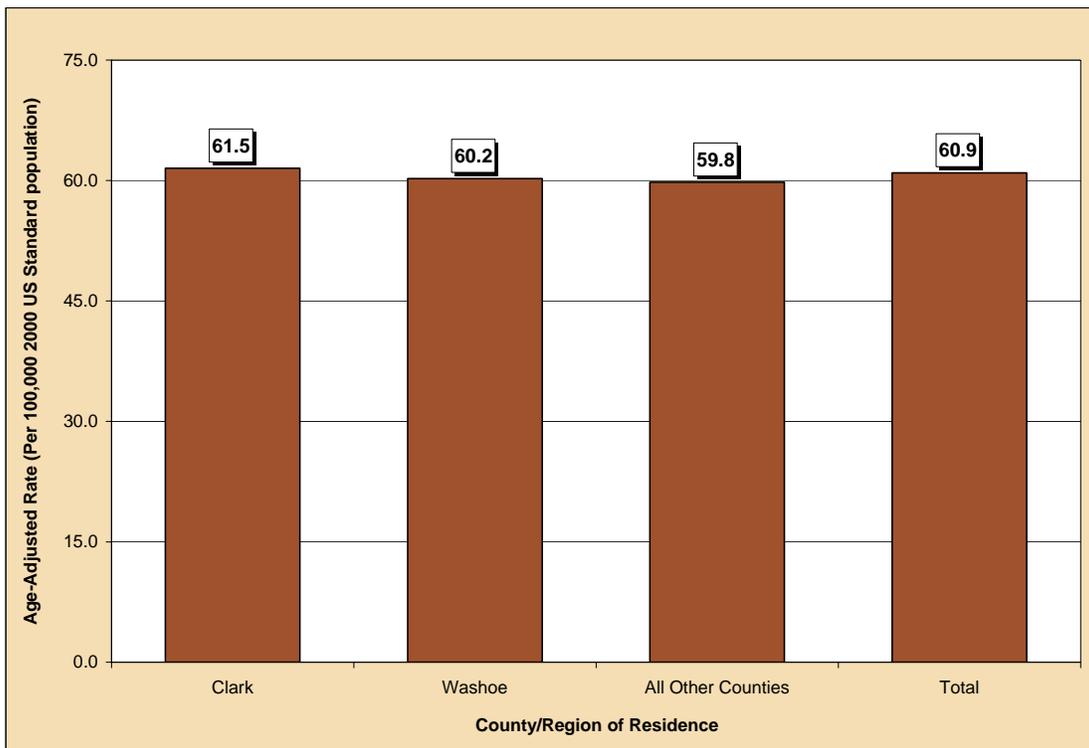
## MORTALITY

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

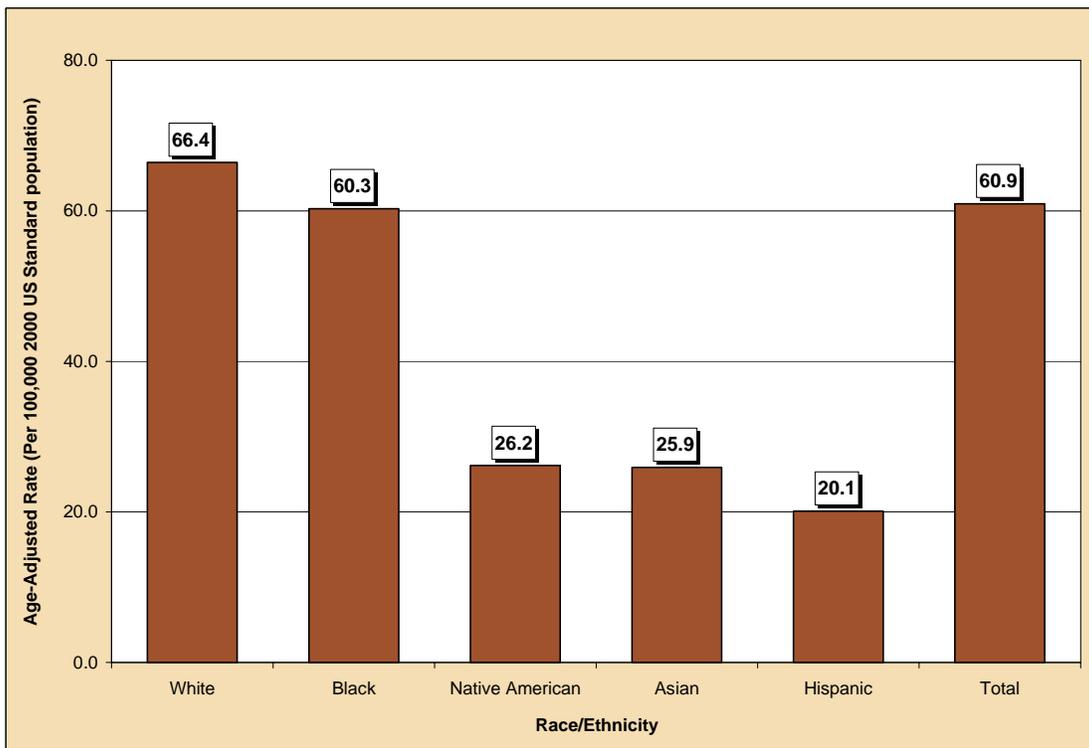


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical Notes for more information.

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



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



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

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

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

\*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

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

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

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

\* Rates are per 100,000 age-specific population.

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

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

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

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

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

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

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

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

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

\* Rates are per 100,000 age-specific population.

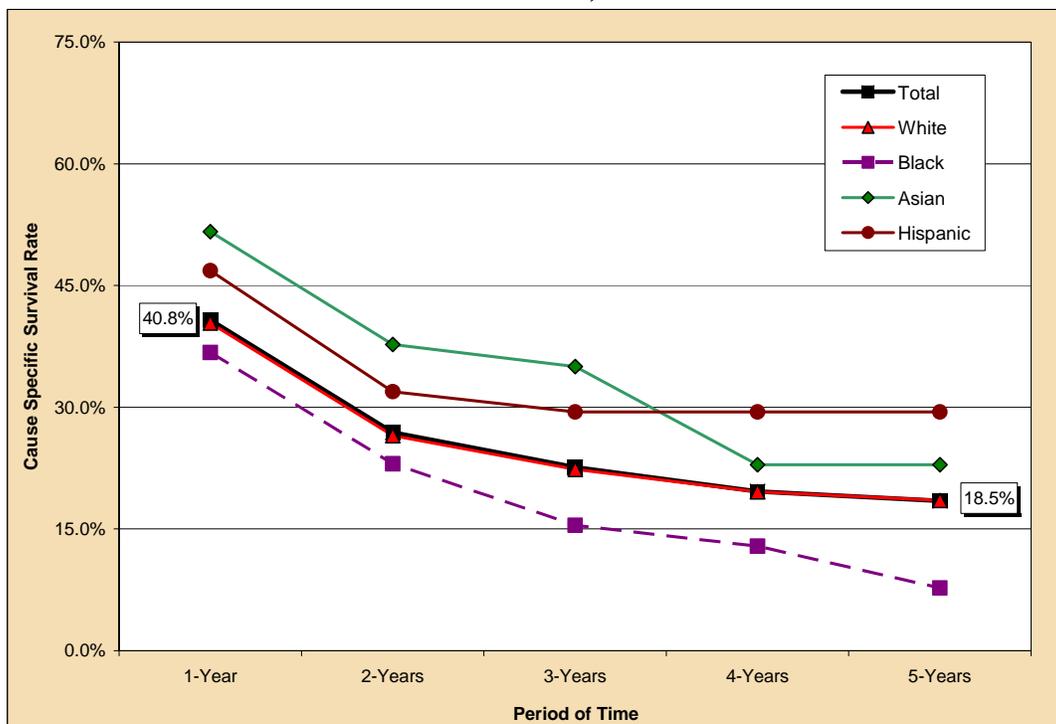
**Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003**

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

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

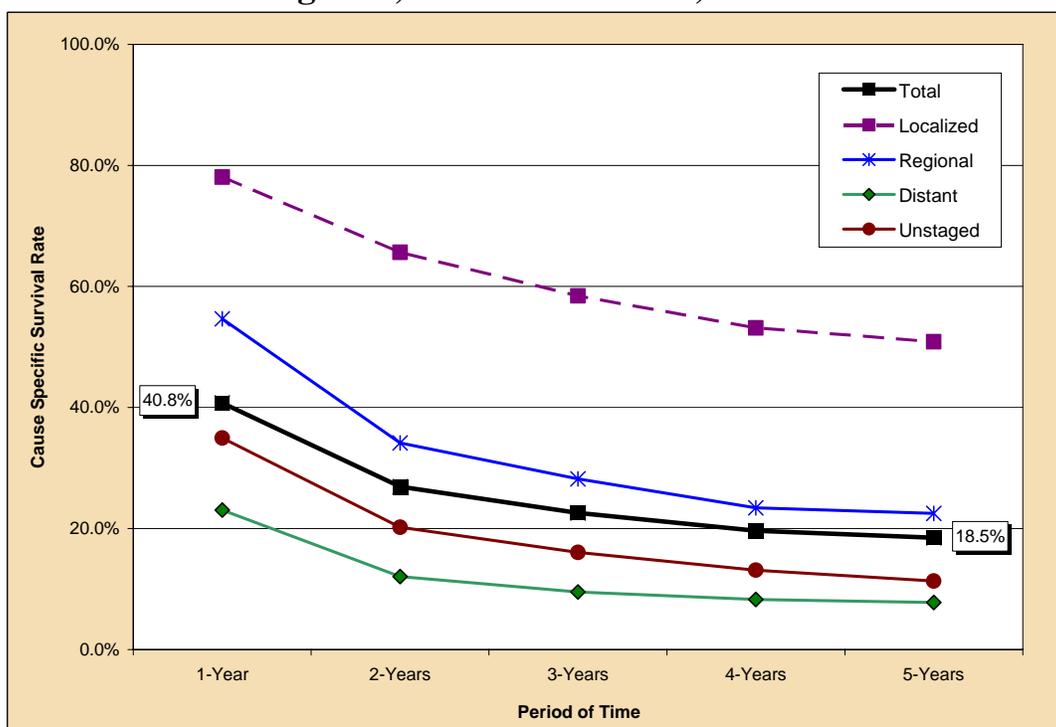
### SURVIVAL RATE

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



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

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



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

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

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

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

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

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