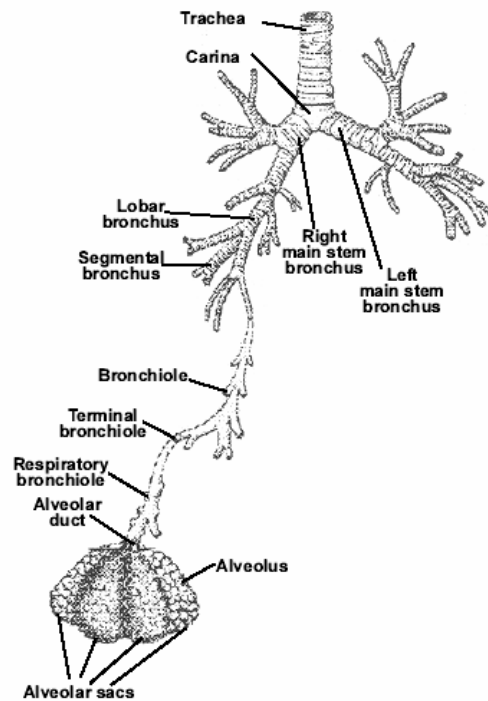


LUNG AND BRONCHUS CANCER

LUNG AND BRONCHUS CANCER

GENERAL PROFILE⁴

Figure 36. Anatomy of the Respiratory Tract⁵



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 common 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 also important risk factors.

Signs and Symptoms: Common signs and symptoms include: a cough that doesn't go away and worsens 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 1.27. This means that for every death due to Lung and Bronchus Cancer there would be 1.37 female cases, while only 1.27 cases for every male death.
- The median age at diagnosis of Lung and Bronchus Cancer for both female and male Nevada residents was 69 years of age from 1997 to 2001. The median age at time of death due to Lung and Bronchus Cancer was 70 years of age for both female and male Nevada residents.

INCIDENCE

- There were 7,336 cases of Lung and Bronchus Cancer reported in Nevada from 1997 to 2001, 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 (85.4) during this period, with both Washoe County and All Other Counties as a region, slightly lower at rates of 74.3 and 74.7, respectively. However Nevada as a whole, as well as the three regions separately, had statistically significant higher rates than the National rate of 61.7 (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 1997 to 2001 period. Their higher age-adjusted incidence rates, 88.3 and 78.5 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 43.5, 44.1 and 32.9 (per 100,000 – 2000 US Standard population), respectively, during this same period.
- The higher age-adjusted incidence rate for males was statistically significant at 94.4 (91.3-97.6) over the rate for females (69.3-74.2) during the 1997 to 2001 period. However, both had statistically significant higher rates when compared to their national counterparts. The difference was considerably more for females, whose rate was 46.2% greater than the National rate, while the rate difference for Males was still a considerable 21.3% over the National rate during this period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for nearly 159 million dollars from 1997 to 2001. Nevadans in the 55-64 and 65-74 year age groups accounted for 63.2% of the total charges during this period. The median total bill charged for Lung and Bronchus Cancer discharges was approximately \$26,950 in Nevada during this period. Clark County had the highest median total billed charge, \$34,568, when compared to the amounts for Washoe County and All Other Counties of \$27,029 and \$25,091.

- There were 4,965 Inpatient Discharges for Lung and Bronchus Cancer in Nevada from 1997 to 2001. Clark County (58.1) had the highest age-adjusted inpatient discharge rate for Lung and Bronchus Cancer in Nevada, which showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 54.3, 49.5 and 43.6 (per 100,000 – 2000 US Standard population), respectively.

MORTALITY

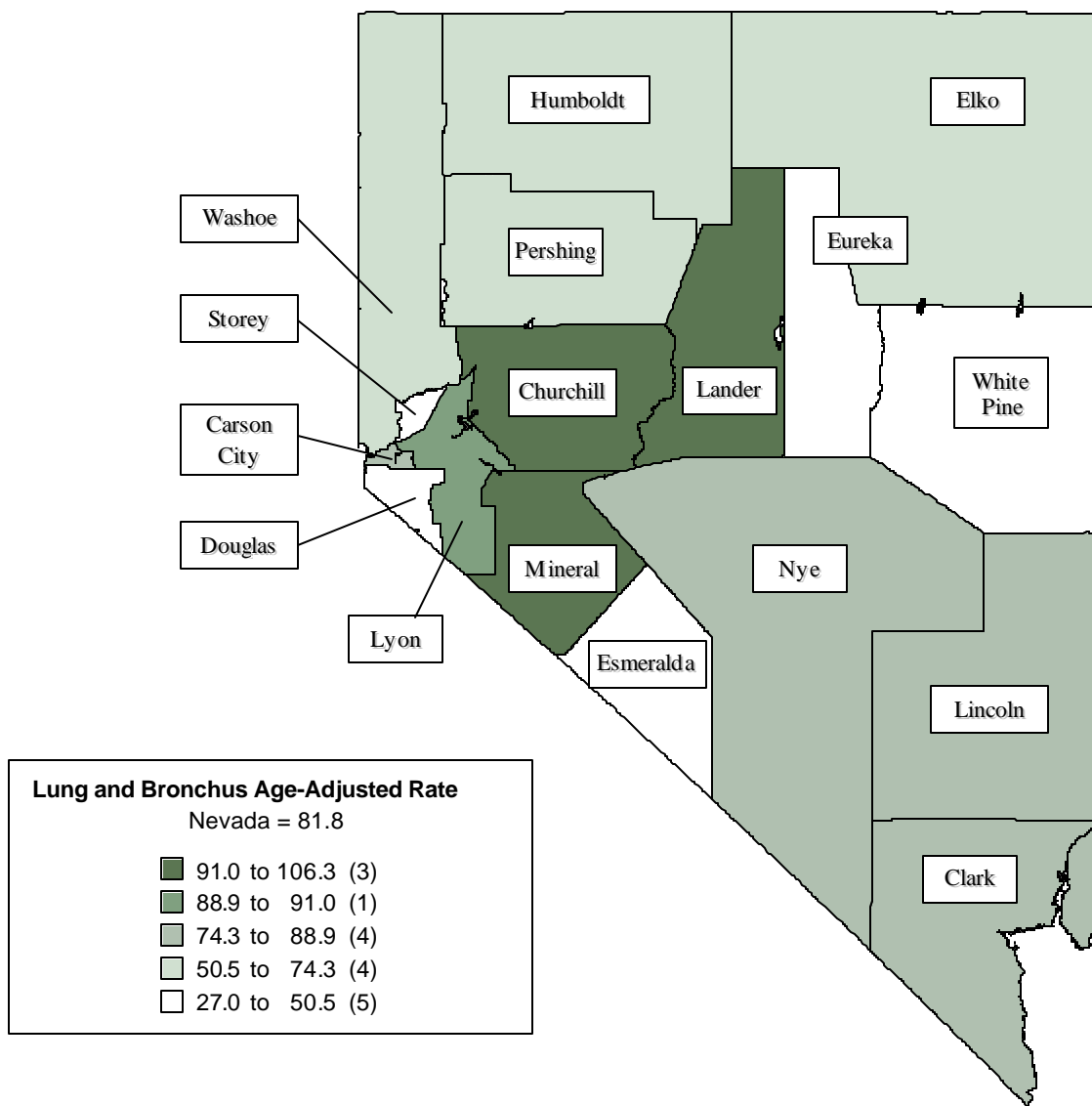
- There were 5,582 resident deaths due to Lung and Bronchus Cancer from 1997 to 2001. Clark County had a higher age-adjusted mortality rate (65.6) than Washoe County (62.2) and All Other Counties, as a region, (57.6) during the 1997 to 2001 period.
- Nevada males had a 59.0% higher statistically significant age-adjusted mortality rate (76.8) for Lung and Bronchus Cancer when compared to the female rate of 53.1 (per 100,000 – 2000 US Standard population) for the 1997 to 2001 period.
- Whites and Blacks, as racial/ethnic groups, accounted for 96.2% of all reported Lung and Bronchus Cancer cases during the 1997 to 2001 period. Their higher age-adjusted mortality rates, 68.9 and 67.4 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 30.6, 30.1 and 15.9 (per 100,000 – 2000 US Standard population), respectively, during this same period.

SURVIVAL RATE

- Females had a higher one-year survival rate (52.9%) than males (47.2%) for Lung and Bronchus Cancer in Nevada from 1997 to 2001. This trend was similar for the median survival time with females and males at 1.17 and 0.95 years, respectively. However, the difference decreased by the third-year survival rate where females had a slightly lower rate (25.7%) than males (25.9%) during the 1997-2001 period.
- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (62.1%) as well as the highest five-year survival rate (47.0%) of those groups that had a rate calculated for Nevada from 1997 to 2001.
- 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 76.2% and 50.6%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 62.8% and 29.7% for the one year period and 34.6% and 10.8% for the five year period.

INCIDENCE

Figure 37. Lung and Bronchus Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 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, 1997-2001

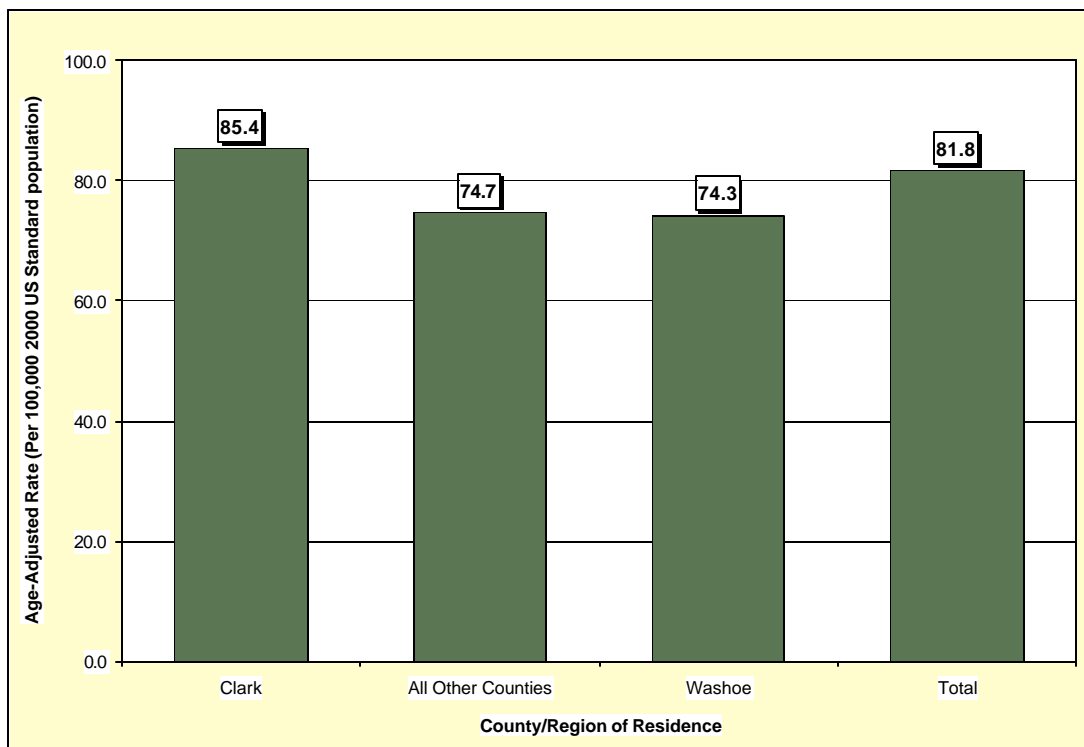


Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

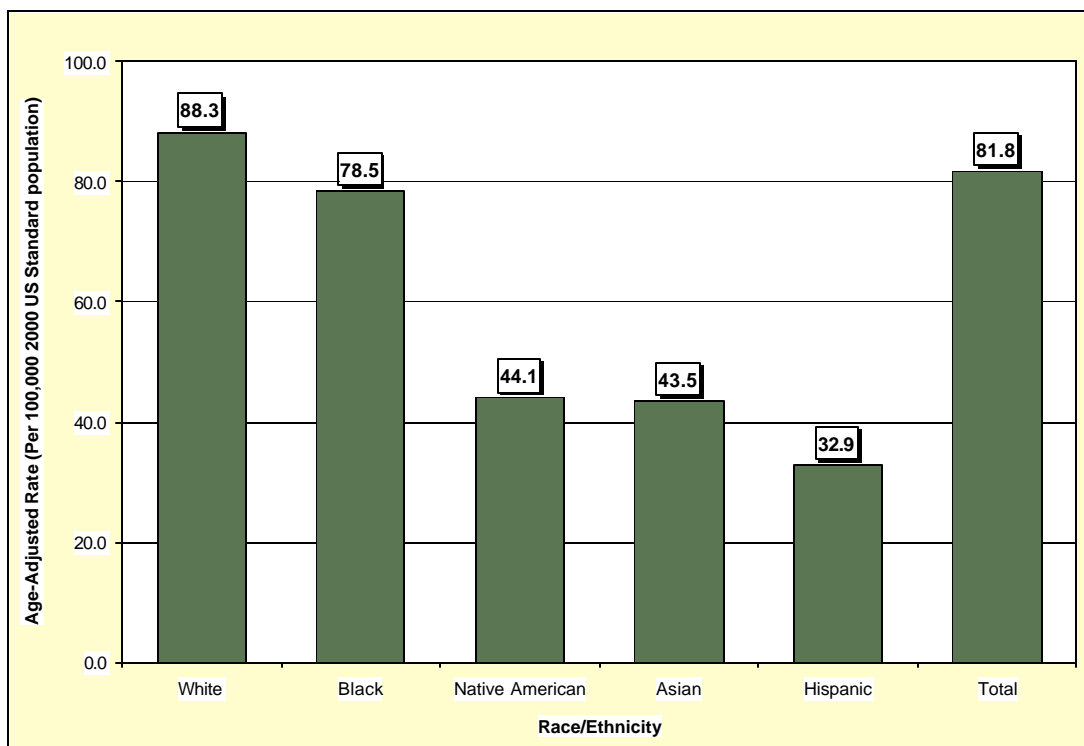


Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,336	5,117	1,102	1,113	4	105,298
Rate*	81.8	85.4	74.3	74.7	---	61.7
95% C.I.	(79.9-83.7)	(83.0-87.9)	(69.9-78.9)	(70.3-79.3)	---	(61.3-62.1)
Gender						
Male	3,970	2,766	576	625	3	58,192
Rate*	94.4	98.6	84.7	87.7	---	79.1
95% C.I.	(91.3-97.6)	(94.6-102.7)	(77.6-92.4)	(80.8-95.4)	---	(78.5-79.8)
Female	3,366	2,351	526	488	1	47,106
Rate*	71.7	74.9	66.6	63.7	---	49.1
95% C.I.	(69.3-74.2)	(71.9-78.1)	(61.0-72.6)	(58.1-69.7)	---	(48.7-49.6)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	6,629	4,557	1,018	1,051	3	86,163
Rate*	88.3	94.5	77.7	76.8	---	62.4
95% C.I.	(86.2-90.5)	(91.8-97.4)	(73.0-82.7)	(72.1-81.7)	---	(62.0-62.8)
Black	330	271	34	24	1	11,314
Rate*	78.5	69.7	153.5	296.6	---	79.8
95% C.I.	(69.9-88.2)	(61.3-79.5)	(105.0-218.7)	(189.4-447.8)	---	(78.4-81.4)
Native American	41	19	11	11	0	467
Rate*	44.1	48.7	58.2	31.3	---	33.1
95% C.I.	(31.1-61.7)	(28.2-84.2)	(27.6-115.8)	(15.3-58.3)	---	(30.0-30.0)
Asian	137	104	25	8	0	7,156
Rate*	43.5	39.8	53.4	---	---	42.4
95% C.I.	(34.5-55.2)	(30.3-52.9)	(30.7-93.0)	---	---	(41.4-43.4)
Hispanic	183	151	14	18	0	4,919
Rate*	32.9	35.0	23.3	32.1	---	32.2
95% C.I.	(27.6-39.1)	(28.8-42.7)	(11.4-44.5)	(18.3-54.7)	---	(31.3-33.2)
Other/Unknown	16	15	0	1	0	198

* Rates are per 100,000 population and age-adjusted to the 2001 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 (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,336	5,117	1,102	1,113	4	105,298
Rate*	75.3	76.8	65.7	79.6	---	56.9
95% C.I.	(73.6-77.1)	(74.7-78.9)	(61.8-69.5)	(75.0-84.3)	---	(56.5-57.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	52
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.3)
25-34	13	11	1	1	0	262
Rate*	0.9	1.0	---	---	---	0.9
95% C.I.	(0.4-1.4)	(0.4-1.6)	---	---	---	(0.8-1.0)
35-44	129	98	15	16	0	2,325
Rate*	8.3	9.4	5.3	7.1	---	7.4
95% C.I.	(6.9-9.7)	(7.5-11.2)	(2.6-8.0)	(3.6-10.5)	---	(7.1-7.7)
45-54	627	442	100	84	1	9,343
Rate*	48.8	52.2	42.3	41.8	---	40.8
95% C.I.	(45.0-52.7)	(47.3-57.1)	(34.0-50.6)	(32.9-50.8)	---	(40.0-41.7)
55-64	1,699	1,202	238	256	3	21,791
Rate*	185.4	193.4	158.5	177.2	---	155.6
95% C.I.	(176.6-194.3)	(182.5-204.3)	(138.4-178.7)	(155.5-198.9)	---	(153.6-157.7)
65-74	2,806	1,954	412	440	0	35,790
Rate*	436.9	451.8	401.9	410.4	---	310.2
95% C.I.	(420.7-453.1)	(431.7-471.8)	(363.1-440.7)	(372.1-448.8)	---	(307.0-313.4)
75-84	1,738	1,195	273	270	0	28,880
Rate*	494.8	511.7	472.1	450.7	---	397.3
95% C.I.	(471.5-518.0)	(482.7-540.7)	(416.1-528.1)	(397.0-504.5)	---	(392.7-401.9)
85+	314	211	58	45	0	6,843
Rate*	411.9	451.9	374.0	320.7	---	275.9
95% C.I.	(366.3-457.4)	(390.9-512.8)	(277.7-470.2)	(227.0-414.4)	---	(269.4-282.5)
Unknown	7	1	5	1	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, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	253	101.6	(89.1-114.1)	85.4	(75.1-96.8)
Churchill	112	92.9	(75.7-110.1)	97.3	(80.0-117.7)
Clark	5,117	76.8	(74.7-78.9)	85.4	(83.0-87.9)
Douglas	123	60.0	(49.4-70.6)	50.5	(41.6-61.1)
Elko	73	31.5	(24.3-38.8)	56.0	(42.8-72.7)
Esmeralda	3	---	---	---	---
Eureka	4	---	---	---	---
Humboldt	45	53.6	(37.9-69.3)	74.1	(53.2-101.7)
Lander	20	64.0	(35.9-92.0)	106.3	(63.1-169.6)
Lincoln	20	98.7	(55.5-142.0)	75.6	(46.0-125.8)
Lyon	185	108.8	(93.1-124.4)	91.0	(78.2-105.7)
Mineral	36	136.4	(91.9-181.0)	97.2	(67.5-140.4)
Nye	204	129.8	(112.0-147.6)	88.9	(76.5-103.5)
Pershing	16	56.2	(28.7-83.8)	67.9	(38.6-112.5)
Storey	5	---	---	---	---
Washoe	1,102	65.7	(61.8-69.5)	74.3	(69.9-78.9)
White Pine	14	33.3	(15.9-50.8)	27.1	(14.8-48.0)
Unknown	4	---	---	---	---
Total	7,336	75.3	(73.6-77.1)	81.8	(79.9-83.7)

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	3,544	3,085	0	6,629
	Rate*	99.5	79.4	---	88.3
	95% C.I.	(96.1-103.1)	(76.6-82.2)	---	(86.2-90.5)
Black	Incidence	200	130	0	330
	Rate*	98.9	59.7	---	78.5
	95% C.I.	(84.6-116.5)	(49.6-71.7)	---	(69.9-88.2)
Native American	Incidence	20	21	0	41
	Rate*	50.0	41.2	---	44.1
	95% C.I.	(28.7-87.6)	(25.0-64.9)	---	(31.1-61.7)
Asian	Incidence	75	62	0	137
	Rate*	59.0	31.9	---	43.5
	95% C.I.	(43.0-81.6)	(22.3-46.6)	---	(34.5-55.2)
Hispanic	Incidence	121	62	0	183
	Rate*	47.9	20.9	---	32.9
	95% C.I.	(38.0-60.9)	(15.5-28.0)	---	(27.6-39.1)
Other/Unknown		10	6	0	16
Total	Incidence	3,970	3,366	0	7,336
	Rate*	94.4	71.7	---	81.8
	95% C.I.	(91.3-97.6)	(69.3-74.2)	---	(79.9-83.7)

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	2	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	9	4	0	13
Rate*	---	---	---	0.9
95% C.I.	---	---	---	(0.4-1.4)
35-44	62	67	0	129
Rate*	7.7	8.9	---	8.3
95% C.I.	(5.8-9.6)	(6.8-11.1)	---	(6.9-9.7)
45-54	319	308	0	627
Rate*	49.1	48.6	---	48.8
95% C.I.	(43.7-54.5)	(43.2-54.0)	---	(45.0-52.7)
55-64	935	764	0	1,699
Rate*	205.5	165.7	---	185.4
95% C.I.	(192.3-218.7)	(153.9-177.4)	---	(176.6-194.3)
65-74	1,576	1,230	0	2,806
Rate*	497.2	378.1	---	436.9
95% C.I.	(472.7-521.8)	(357.0-399.3)	---	(420.7-453.1)
75-84	908	830	0	1,738
Rate*	572.8	430.6	---	494.8
95% C.I.	(535.5-610.0)	(401.3-459.9)	---	(471.5-518.0)
85+	156	158	0	314
Rate*	630.4	306.9	---	411.9
95% C.I.	(531.5-729.3)	(259.0-354.7)	---	(366.3-457.4)
Unknown	4	3	0	7
Total	3,970	3,366	0	7,336
Rate*	80.2	70.3	---	75.3
95% C.I.	(77.7-82.7)	(67.9-72.7)	---	(73.6-77.1)

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, 1997-2001

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	1	2	0	0	3
	Percent	---	33.3%	66.7%	---	---	100.0%
25-34	Number	0	4	2	6	1	13
	Percent	---	30.8%	15.4%	46.2%	7.7%	100.0%
35-44	Number	0	15	31	68	15	129
	Percent	---	11.6%	24.0%	52.7%	11.6%	100.0%
45-54	Number	0	72	124	292	139	627
	Percent	---	11.5%	19.8%	46.6%	22.2%	100.0%
55-64	Number	0	263	344	671	421	1,699
	Percent	---	15.5%	20.2%	39.5%	24.8%	100.0%
65-74	Number	0	496	573	920	817	2,806
	Percent	---	17.7%	20.4%	32.8%	29.1%	100.0%
75-84	Number	0	289	282	534	633	1,738
	Percent	---	16.6%	16.2%	30.7%	36.4%	100.0%
85+	Number	0	35	42	70	167	314
	Percent	---	11.1%	13.4%	22.3%	53.2%	100.0%
Unknown	Number	0	1	1	2	3	7
	Percent	---	14.3%	14.3%	28.6%	42.9%	100.0%
Total	Number	0	1,176	1,401	2,563	2,196	7,336
	Percent	---	16.0%	19.1%	34.9%	29.9%	100.0%

Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,082	50	2	20	18	4	1,176
	Percent	16.3%	15.2%	4.9%	14.6%	9.8%	25.0%	16.0%
Regional	Number	1,265	66	8	25	32	5	1,401
	Percent	19.1%	20.0%	19.5%	18.2%	17.5%	31.3%	19.1%
Distant	Number	2,301	112	20	52	73	5	2,563
	Percent	34.7%	33.9%	48.8%	38.0%	39.9%	31.3%	34.9%
Unstaged	Number	1,981	102	11	40	60	2	2,196
	Percent	29.9%	30.9%	26.8%	29.2%	32.8%	12.5%	29.9%
Total	Number	6,629	330	41	137	183	16	7,336
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

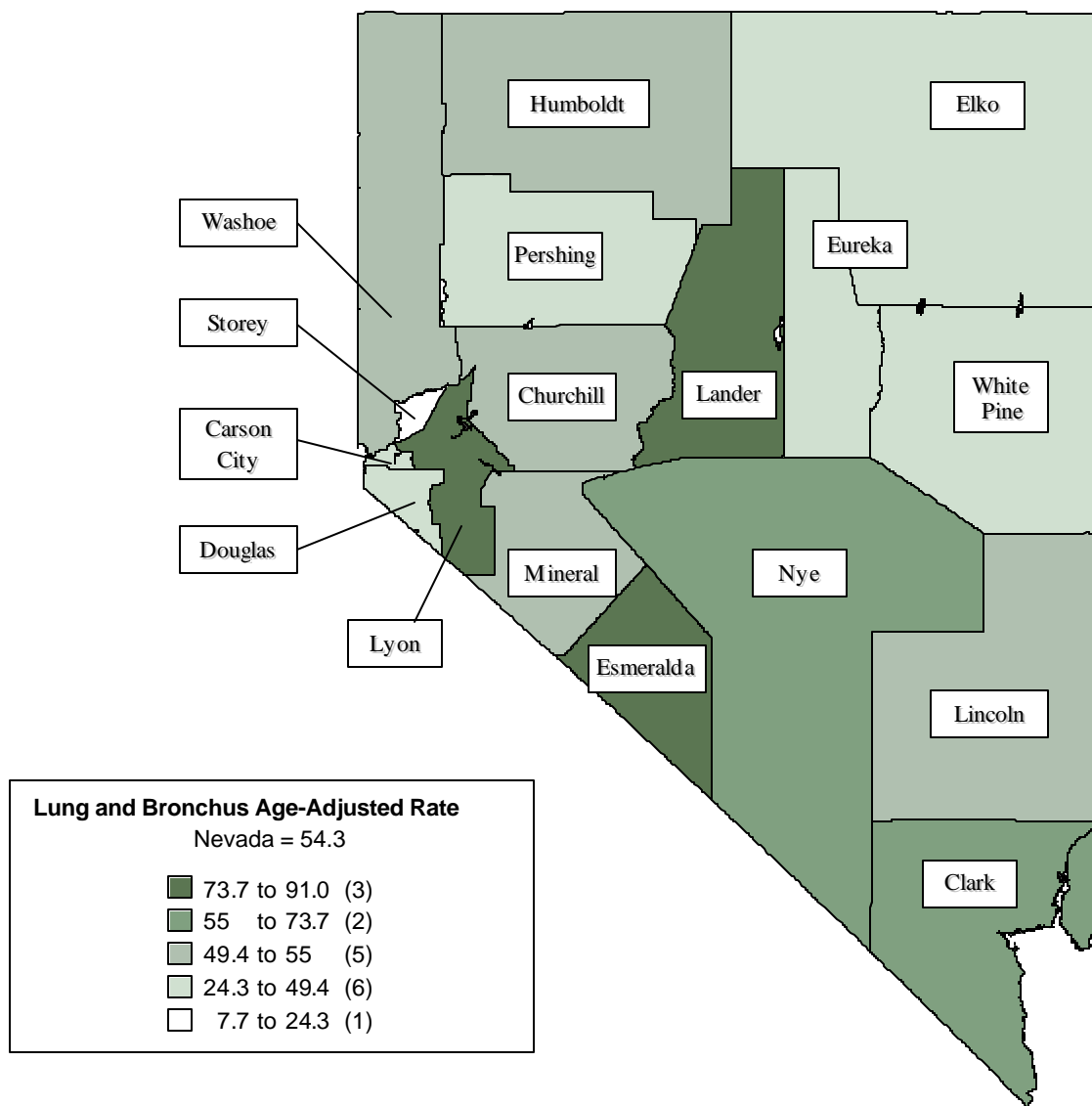
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	3,540	69.0	3,083	69.0	6,623	69.0
Black	200	66.0	129	68.0	329	66.0
Native American	20	71.0	21	65.0	41	68.0
Asian	75	70.0	62	66.0	137	67.0
Hispanic	121	68.0	62	68.0	183	68.0
Other/Unknown	10	57.5	6	73.5	16	71.5
Total	3,966	69.0	3,363	69.0	7,329	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 (2001) Inpatient Hospital Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 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, 1997-2001

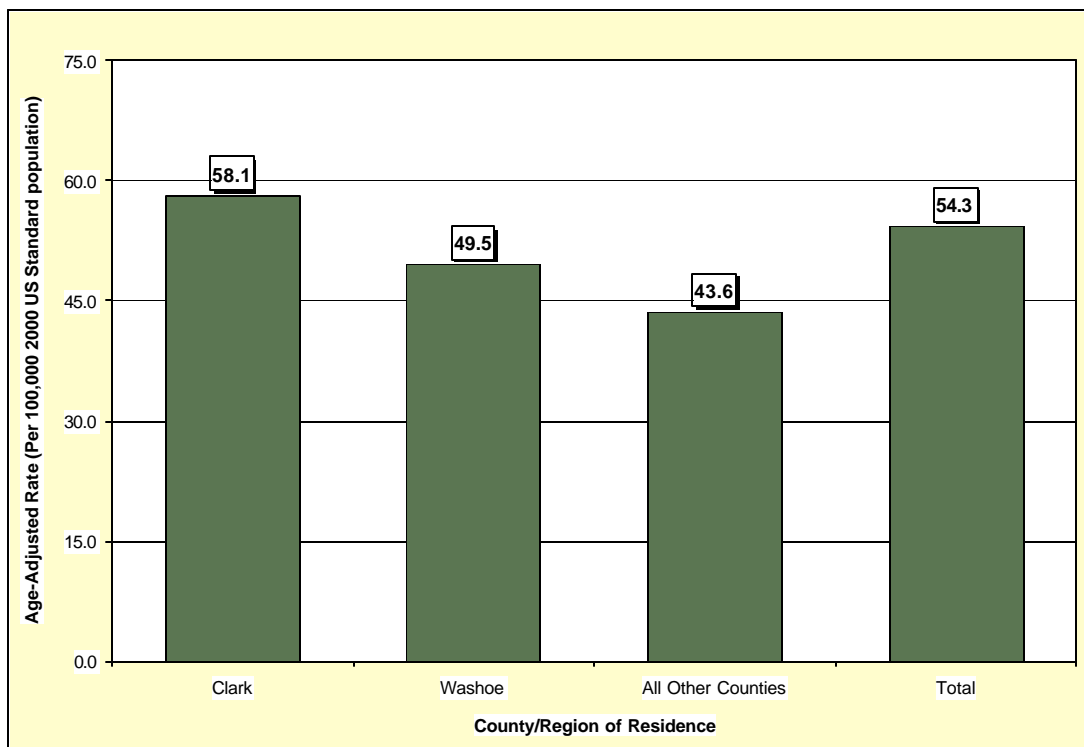


Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

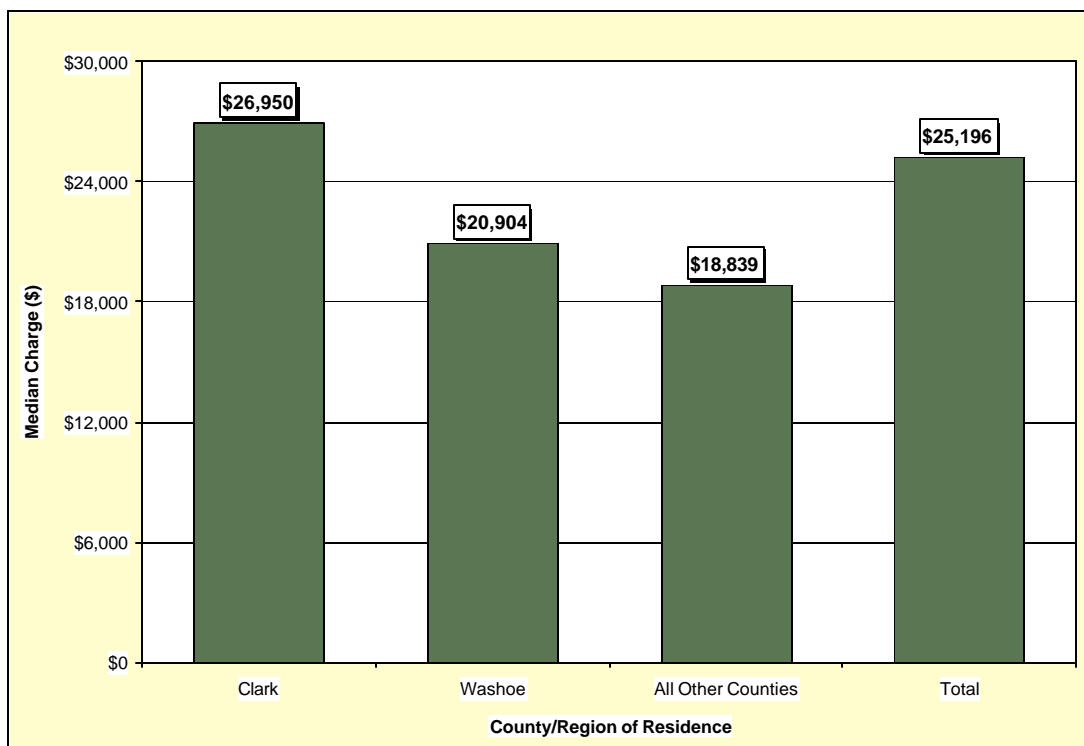


Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

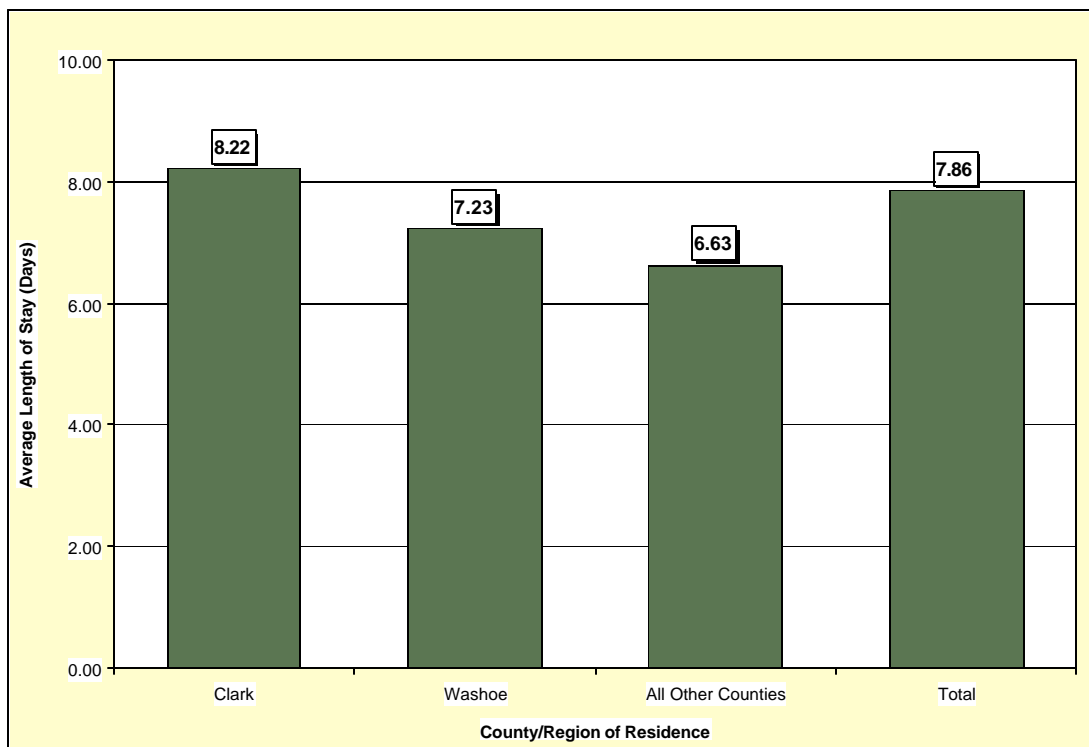


Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,965	3,562	748	654	1
Rate*	54.3	58.1	49.5	43.6	---
95% C.I.	(52.8-55.8)	(56.2-60.1)	(46.0-53.2)	(40.3-47.2)	---
Gender					
Male	2,601	1,909	341	350	1
Rate*	59.9	65.7	48.1	48.9	---
95% C.I.	(57.5-62.4)	(62.6-69.0)	(43.0-53.9)	(43.7-54.7)	---
Female	2,364	1,653	407	304	0
Rate*	49.8	51.9	51.2	39.5	---
95% C.I.	(47.8-51.9)	(49.5-54.6)	(46.3-56.4)	(35.1-44.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$159,839,368	\$20,217,725	\$20,217,725	\$16,409,825	\$79,089
Average Charges	\$32,193	\$34,568	\$27,029	\$25,091	\$79,089
Median Charges	\$25,196	\$26,950	\$20,904	\$18,839	\$79,089
Discharge Length of Stay (LOS) (Days)					
Total LOS	39,033	29,277	5,408	4,337	11
Average LOS	7.9	8.2	7.2	6.6	11.0
Median LOS	6.0	6.0	6.0	5.0	11.0

* Rates are per 100,000 population and are age-adjusted to the 2001 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, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,965	3,562	748	654	1
Rate*	51.0	53.5	44.6	46.8	---
95% C.I.	(49.6-52.4)	(51.7-55.2)	(41.4-47.8)	(43.2-50.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	5	5	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	8	7	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	124	95	14	15	0
Rate*	8.0	9.1	4.9	5.3	---
95% C.I.	(6.6-9.4)	(7.3-10.9)	(2.4-7.5)	(2.6-8.0)	---
45-54	480	357	74	49	0
Rate*	37.4	42.2	31.3	20.7	---
95% C.I.	(34.0-40.7)	(37.8-46.5)	(24.2-38.4)	(14.9-26.5)	---
55-64	1,267	932	182	153	0
Rate*	138.3	149.9	121.2	101.9	---
95% C.I.	(130.7-145.9)	(140.3-159.6)	(103.6-138.9)	(85.8-118.1)	---
65-74	1,870	1,323	281	265	1
Rate*	291.2	305.9	274.1	258.5	---
95% C.I.	(278.0-304.4)	(289.4-322.4)	(242.1-306.2)	(227.4-289.6)	---
75-84	1,071	748	174	149	0
Rate*	304.9	320.3	300.9	257.7	---
95% C.I.	(286.6-323.1)	(297.3-343.2)	(256.2-345.6)	(216.3-299.0)	---
85+	140	95	23	22	0
Rate*	183.6	203.4	148.3	141.9	---
95% C.I.	(153.2-214.1)	(162.5-244.4)	(87.7-208.9)	(82.6-201.1)	---
Unknown	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. 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, 1997-2001

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	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	51	73	124
Rate*	6.3	9.7	8.0
95% C.I.	(4.6-8.1)	(7.5-12.0)	(6.6-9.4)
45-54	235	245	480
Rate*	36.1	38.7	37.4
95% C.I.	(31.5-40.8)	(33.8-43.5)	(34.0-40.7)
55-64	688	579	1,267
Rate*	151.2	125.5	138.3
95% C.I.	(139.9-162.5)	(115.3-135.8)	(130.7-145.9)
65-74	1,009	861	1,870
Rate*	318.3	264.7	291.2
95% C.I.	(298.7-338.0)	(247.0-282.4)	(278.0-304.4)
75-84	540	531	1,071
Rate*	340.6	275.5	304.9
95% C.I.	(311.9-369.4)	(252.0-298.9)	(286.6-323.1)
85+	70	70	140
Rate*	282.9	135.9	183.6
95% C.I.	(216.6-349.1)	(104.1-167.8)	(153.2-214.1)
Unknown	0	0	0
Total	2,601	2,364	4,965
Rate*	52.5	49.4	51.0
95% C.I.	(50.5-54.6)	(47.4-51.4)	(49.6-52.4)

* 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, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	92	36.9	(29.4-44.5)	30.2	(24.3-37.3)
Churchill	62	51.4	(38.6-64.2)	52.9	(40.5-68.4)
Clark	3,562	53.5	(51.7-55.2)	58.1	(56.2-60.1)
Douglas	72	35.1	(27.0-43.2)	30.3	(23.4-39.2)
Elko	31	13.4	(8.7-18.1)	24.4	(16.0-36.3)
Esmeralda	7	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	33	39.3	(25.9-52.7)	50.6	(34.1-73.8)
Lander	17	54.4	(28.5-80.2)	91.0	(51.4-151.0)
Lincoln	14	69.1	(32.9-105.3)	53.6	(29.1-99.6)
Lyon	147	86.4	(72.5-100.4)	73.7	(62.1-87.3)
Mineral	18	68.2	(36.7-99.7)	52.6	(30.7-89.2)
Nye	133	84.6	(70.2-99.0)	55.0	(45.8-66.5)
Pershing	9	---	---	---	---
Storey	2	---	---	---	---
Washoe	748	44.6	(41.4-47.8)	49.5	(46.0-53.2)
White Pine	14	33.3	(15.9-50.8)	27.0	(14.7-47.9)
Unknown	1	---	---	---	---
Total	4,965	51.0	(49.6-52.4)	54.3	(52.8-55.8)

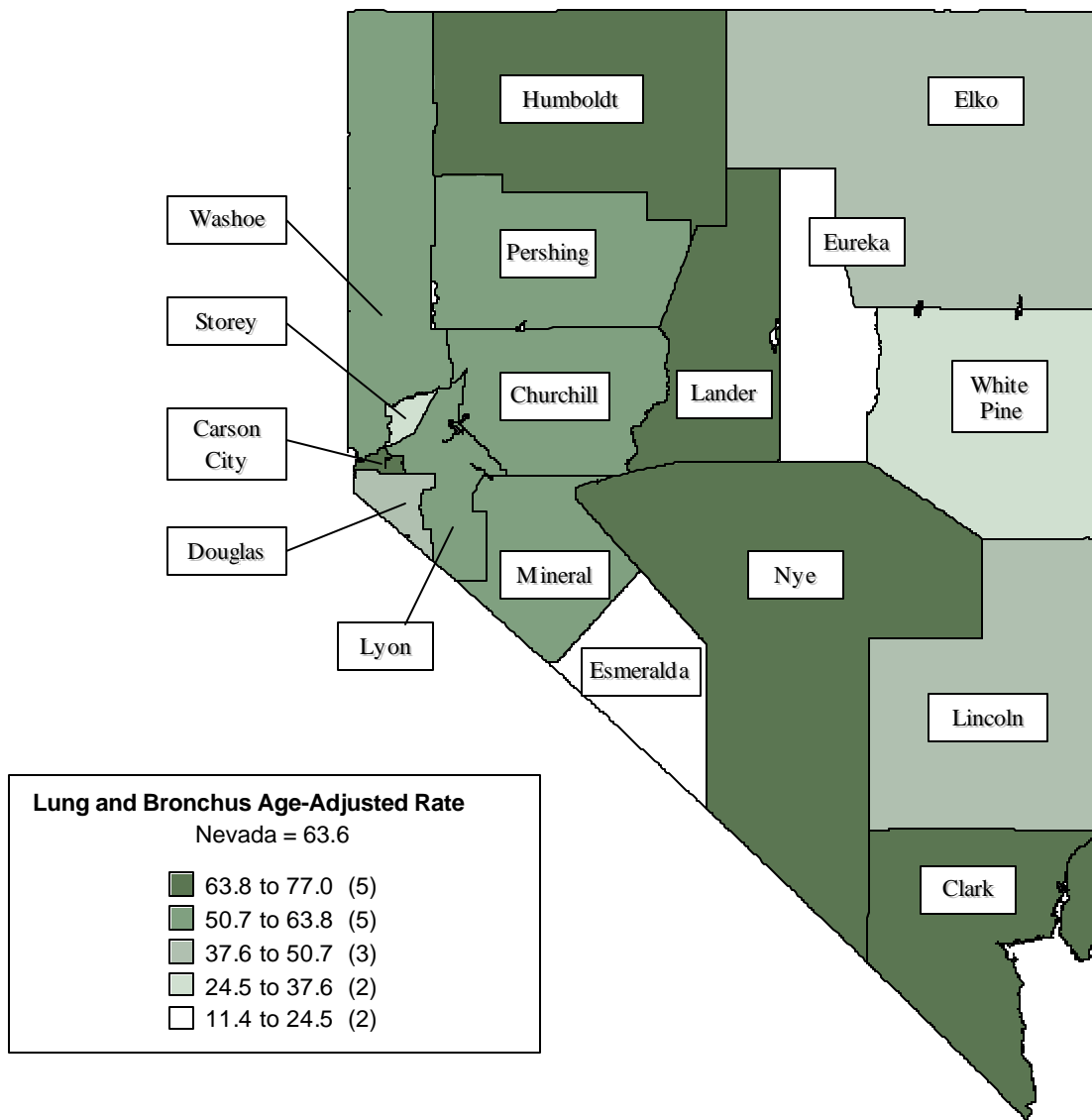
Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	5	139,302	27,860	24,201	34	6.8	4.0
25-34	8	717,499	89,687	31,627	80	10.0	7.0
35-44	124	3,367,700	27,159	21,990	911	7.3	6.0
45-54	480	14,947,683	31,141	26,808	3,858	8.0	6.0
55-64	1,267	43,958,433	34,695	26,574	10,517	8.3	6.0
65-74	1,870	61,873,412	33,087	26,117	14,549	7.8	6.0
75-84	1,071	31,475,587	29,389	22,868	8,063	7.5	6.0
85+	140	3,359,752	23,998	18,403	1,021	7.3	6.0
Unknown	0	---	---	---	---	---	---
Total	4,965	457,600	4,895	30,481	121	4,895.0	8.0

MORTALITY

Figure 44. Lung and Bronchus Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 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, 1997-2001

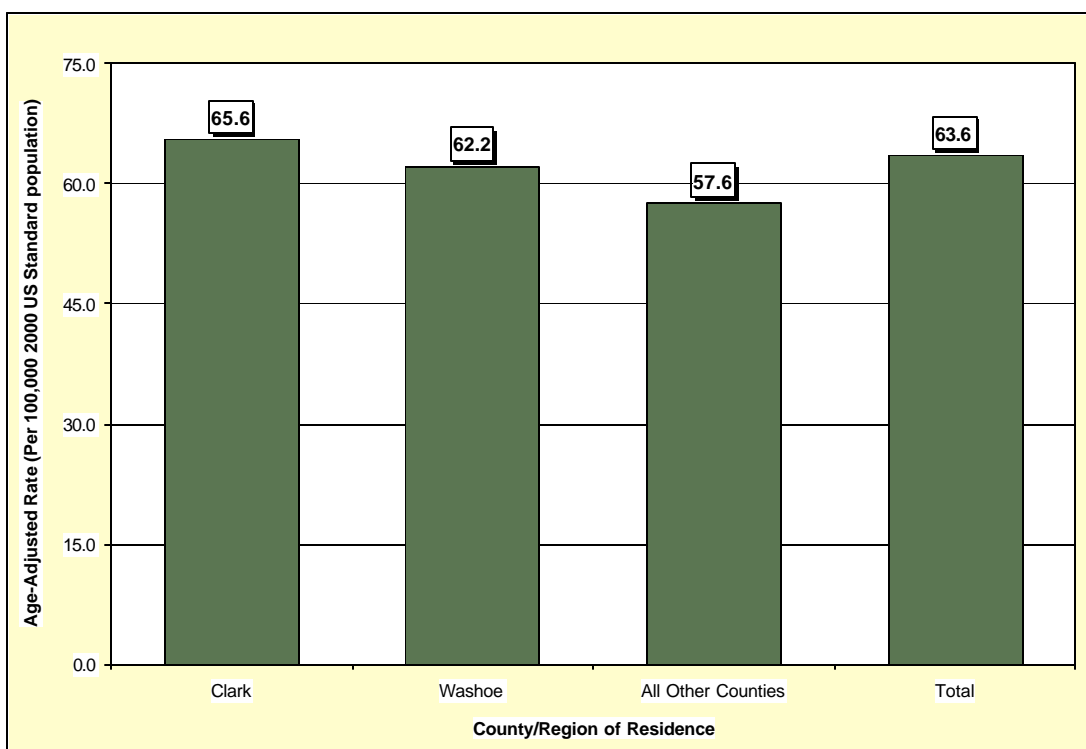


Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

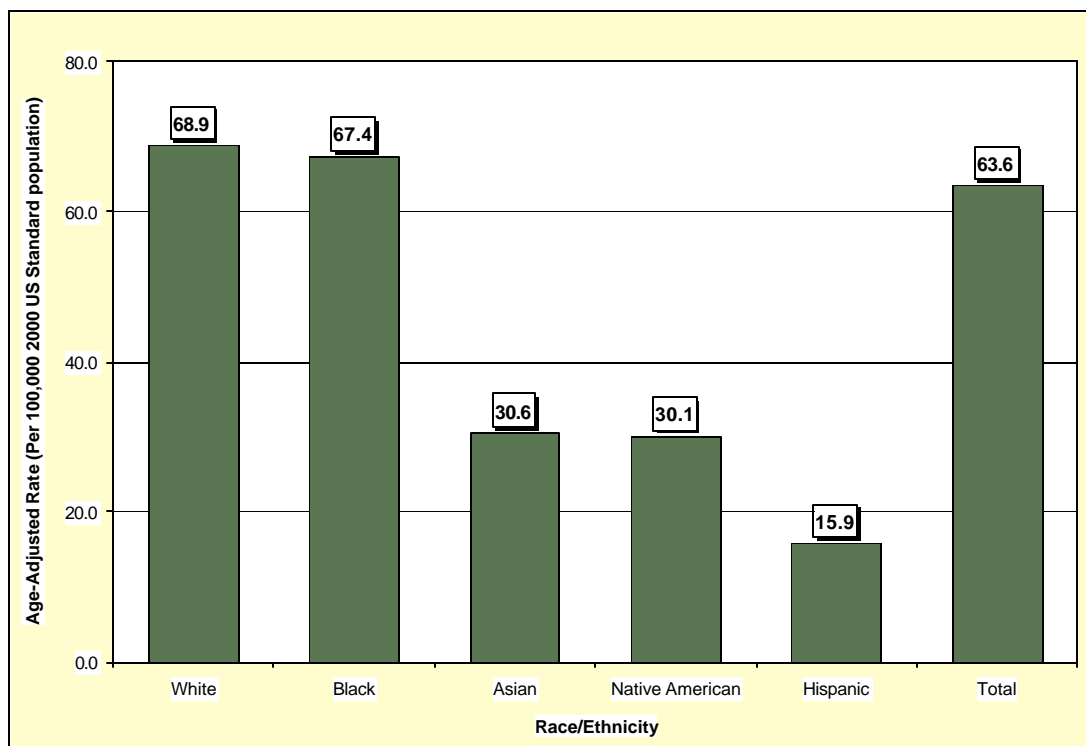


Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,582	3,823	911	848
Rate*	63.6	65.6	62.2	57.6
95% C.I.	(61.9-65.3)	(63.4-67.8)	(58.1-66.4)	(53.8-61.8)
Gender				
Male	3,125	2,146	488	491
Rate*	76.8	79.7	73.2	70.1
95% C.I.	(73.9-79.8)	(76.0-83.5)	(66.6-80.6)	(63.8-77.1)
Female	2,457	1,677	423	357
Rate*	53.1	54.5	53.9	46.9
95% C.I.	(51.0-55.2)	(51.9-57.2)	(48.9-59.3)	(42.2-52.1)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	5,091	3,403	859	829
Rate*	68.9	72.1	66.2	61.1
95% C.I.	(67.0-70.8)	(69.6-74.6)	(61.8-70.9)	(57.0-65.5)
Black	277	257	18	2
Rate*	67.4	67.3	81.7	---
95% C.I.	(59.3-76.6)	(58.9-76.9)	(47.5-133.1)	---
Native American	26	11	7	8
Rate*	30.1	33.8	---	---
95% C.I.	(19.2-46.0)	(15.9-68.0)	---	---
Asian	95	75	19	1
Rate*	30.6	31.2	37.5	---
95% C.I.	(23.2-40.7)	(22.4-43.9)	(21.4-70.0)	---
Hispanic	89	75	7	7
Rate*	15.9	17.3	---	---
95% C.I.	(12.3-20.5)	(13.1-23.0)	---	---
Other/Unknown	4	2	1	1

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

*Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,582	3,823	911	848
Rate*	57.3	57.4	54.3	60.7
95% C.I.	(55.8-58.8)	(55.6-59.2)	(50.7-57.8)	(56.6-64.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	75	55	12	8
Rate*	4.8	5.3	4.2	---
95% C.I.	(3.7-5.9)	(3.9-6.6)	(1.8-6.6)	---
45-54	428	303	69	56
Rate*	33.3	35.8	29.2	27.9
95% C.I.	(30.2-36.5)	(31.8-39.8)	(22.3-36.1)	(20.6-35.2)
55-64	1,173	804	186	183
Rate*	128.0	129.4	123.9	126.7
95% C.I.	(120.7-135.4)	(120.4-138.3)	(106.1-141.7)	(108.3-145.0)
65-74	2,063	1,408	336	319
Rate*	321.2	325.5	327.8	297.6
95% C.I.	(307.4-335.1)	(308.5-342.5)	(292.7-362.8)	(264.9-330.2)
75-84	1,520	1,027	253	240
Rate*	432.7	439.7	437.5	400.6
95% C.I.	(410.9-454.5)	(412.8-466.6)	(383.6-491.4)	(350.0-451.3)
85+	316	220	54	42
Rate*	414.5	471.1	348.2	299.3
95% C.I.	(368.8-460.2)	(408.9-533.4)	(255.3-441.1)	(208.8-389.9)
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, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	210	84.3	(72.9-95.7)	70.1	(60.9-80.5)
Churchill	64	53.1	(40.1-66.1)	56.5	(43.4-72.8)
Clark	3,823	57.4	(55.6-59.2)	65.6	(63.4-67.8)
Douglas	115	56.1	(45.9-66.4)	47.4	(38.8-57.9)
Elko	61	26.4	(19.7-33.0)	47.6	(35.4-63.2)
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	40	47.6	(32.9-62.4)	69.3	(48.7-96.8)
Lander	14	44.8	(21.3-68.2)	76.9	(40.7-133.9)
Lincoln	12	59.2	(25.7-92.8)	43.7	(22.6-86.6)
Lyon	124	72.9	(60.1-85.7)	60.9	(50.5-73.2)
Mineral	20	75.8	(42.6-109.0)	55.4	(33.6-91.5)
Nye	151	96.1	(80.7-111.4)	66.4	(55.7-79.4)
Pershing	13	45.7	(20.9-70.5)	53.5	(28.3-94.2)
Storey	8	---	---	---	---
Washoe	911	54.3	(50.7-57.8)	62.2	(58.1-66.4)
White Pine	13	30.9	(14.1-47.8)	25.7	(13.7-46.4)
Unknown	0	---	---	---	---
Total	5,582	57.3	(55.8-58.8)	63.6	(61.9-65.3)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	2,831	2,260	5,091
	Rate*	81.8	58.6	68.9
	95% C.I.	(78.6-85.1)	(56.2-61.1)	(67.0-70.8)
Black	Mortality	167	110	277
	Rate*	89.5	50.3	67.4
	95% C.I.	(74.9-107.8)	(41.1-61.3)	(59.3-76.6)
Native American	Mortality	16	10	26
	Rate*	46.7	20.5	30.1
	95% C.I.	(24.3-86.6)	(9.6-39.5)	(19.2-46.0)
Asian	Mortality	48	47	95
	Rate*	35.5	26.9	30.6
	95% C.I.	(24.2-53.5)	(17.7-41.5)	(23.2-40.7)
Hispanic	Mortality	62	27	89
	Rate*	23.9	9.2	15.9
	95% C.I.	(17.2-33.9)	(5.7-14.5)	(12.3-20.5)
Other/Unknown		1	3	4
Total	Mortality	3,125	2,457	5,582
	Rate*	76.8	53.1	63.6
	95% C.I.	(73.9-79.8)	(51.0-55.2)	(61.9-65.3)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 59. Lung and Bronchus Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

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	2	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	34	41	75
Rate*	4.2	5.5	4.8
95% C.I.	(2.8-5.6)	(3.8-7.1)	(3.7-5.9)
45-54	225	203	428
Rate*	34.6	32.0	33.3
95% C.I.	(30.1-39.1)	(27.6-36.4)	(30.2-36.5)
55-64	701	472	1,173
Rate*	154.1	102.3	128.0
95% C.I.	(142.7-165.5)	(93.1-111.6)	(120.7-135.4)
65-74	1,181	882	2,063
Rate*	372.6	271.1	321.2
95% C.I.	(351.4-393.9)	(253.3-289.0)	(307.4-335.1)
75-84	818	702	1,520
Rate*	516.0	364.2	432.7
95% C.I.	(480.6-551.4)	(337.3-391.1)	(410.9-454.5)
85+	162	154	316
Rate*	654.6	299.1	414.5
95% C.I.	(553.8-755.4)	(251.8-346.3)	(368.8-460.2)
Unknown	2	0	2
Total	3,125	2,457	5,582
Rate*	63.1	51.3	57.3
95% C.I.	(60.9-65.3)	(49.3-53.3)	(55.8-58.8)

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

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

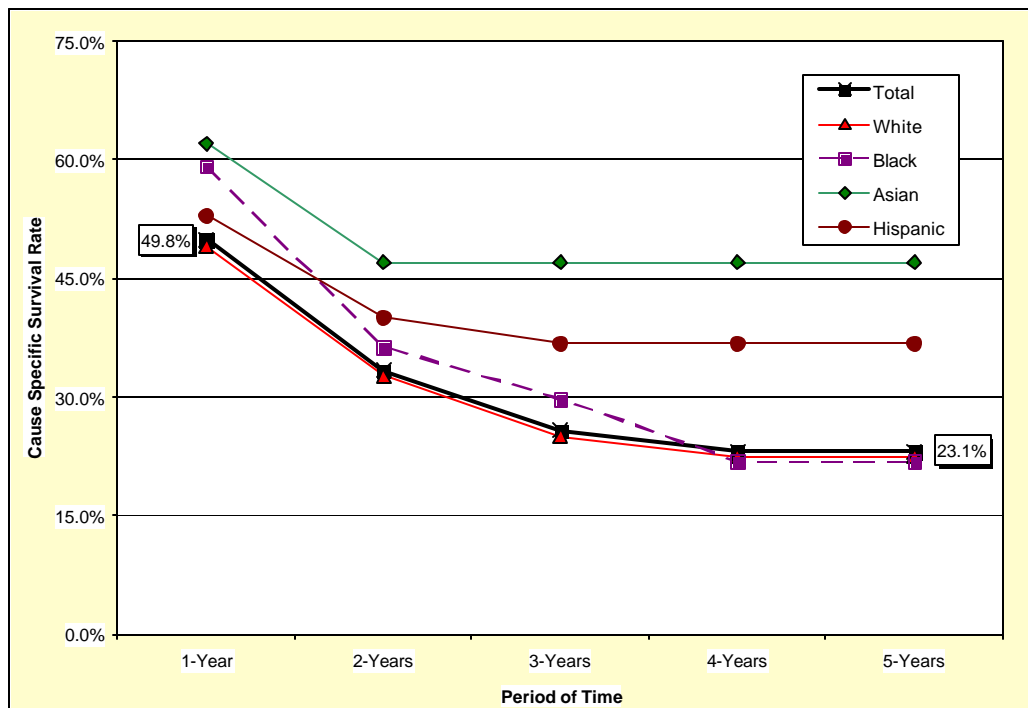
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	2,830	70.0	2,260	71.0	5,090	70.0
Black	166	66.5	110	67.5	276	67.0
Native American	16	69.0	10	68.5	26	68.5
Asian	48	67.0	47	68.0	95	67.0
Hispanic	62	66.0	27	65.0	89	66.0
Other/Unknown	1	---	3	---	4	---
Total	3,123	70.0	2,457	70.0	5,580	70.0

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

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1997-2001



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, 1997-2001

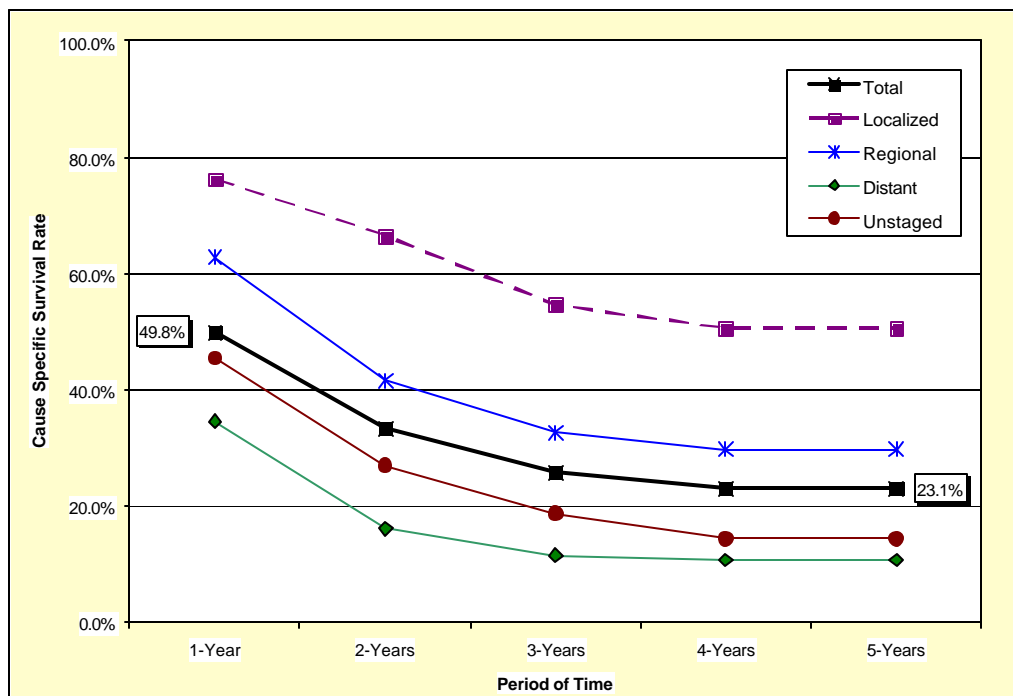


Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	5,168	49.8%	33.3%	25.8%	23.1%	23.1%	1.00
Male	2,774	47.2%	31.7%	25.9%	23.3%	23.3%	0.95
Female	2,394	52.9%	35.3%	25.7%	22.8%	22.8%	1.17
Race/Ethnicity							
White	4,642	49.1%	32.7%	25.0%	22.5%	22.5%	0.98
Male	2,451	46.5%	31.2%	25.5%	22.9%	22.9%	0.93
Female	2,191	52.0%	34.5%	24.6%	22.1%	22.1%	1.11
Black	245	59.2%	36.4%	29.8%	21.8%	21.8%	1.40
Male	151	52.7%	30.2%	21.1%	15.9%	15.9%	1.12
Female	94	70.1%	46.7%	46.7%	33.4%	33.4%	1.86
Native American	24	---	---	---	---	---	---
Male	11	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Asian	100	62.1%	47.0%	47.0%	47.0%	47.0%	1.80
Male	53	61.0%	40.7%	40.7%	---	---	1.54
Female	47	---	---	---	---	---	---
Hispanic	144	52.9%	40.1%	36.7%	36.7%	36.7%	1.23
Male	99	48.2%	38.3%	38.3%	38.3%	38.3%	0.97
Female	45	---	---	---	---	---	---

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, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	5,168	2,774	2,394
	One Year	49.8%	47.2%	52.9%
	5 Years	23.1%	23.3%	22.8%
	Median Survival	1.00	0.95	1.17
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	861	443	418
	One Year	76.2%	74.3%	78.3%
	5 Years	50.6%	56.1%	44.9%
	Median Survival	>5 years	>5 years	3.22
Regional	Cases	1,038	547	491
	One Year	62.8%	63.8%	61.8%
	5 Years	29.7%	28.9%	30.8%
	Median Survival	1.61	1.57	1.66
Distant	Cases	1,887	1,046	841
	One Year	34.6%	31.0%	39.2%
	5 Years	10.8%	10.7%	11.2%
	Median Survival	0.76	0.72	0.82
Unstaged	Cases	1,382	738	644
	One Year	45.5%	42.9%	48.5%
	5 Years	14.4%	13.4%	16.1%
	Median Survival	0.92	0.88	0.97

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.