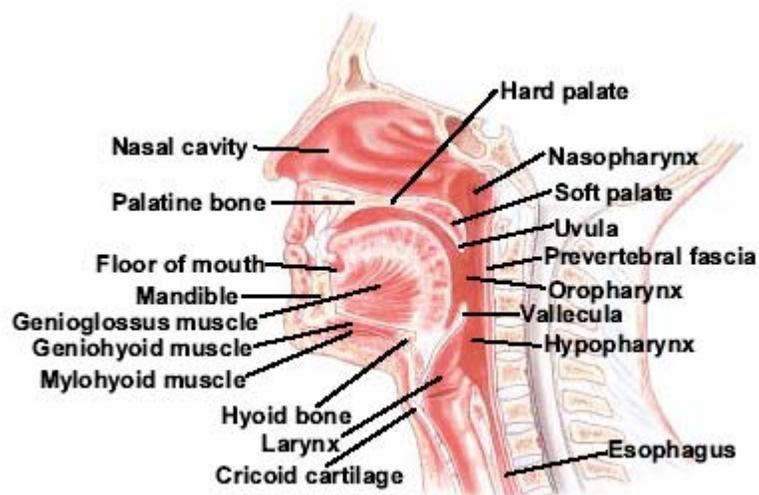


LIP, ORAL CAVITY AND PHARYNX CANCER

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE⁴

Figure 127. Anatomy of the Oral Cavity⁵



General Anatomy: The oral cavity includes many parts: the lips; the lining inside the lips and cheeks, called the buccal mucosa; the teeth; the bottom (floor) of the mouth under the tongue; the front two-thirds of the tongue; the bony top of the mouth (hard palate); the gums; and the small area behind the wisdom teeth. The oropharynx includes the back one-third of the tongue, the soft palate, the tonsils, and the part of the throat behind the mouth. Salivary glands throughout the oral cavity make saliva, which keeps the mouth moist and helps digest food.

Risk Factors: Tobacco use (especially smokeless tobacco), chronic and/or heavy alcohol use, sun exposure (Lip), history of leukoplakia (whitish patch inside the mouth associated with tobacco use), and erythroplakia (reddish patches usually in those over 60 years old)

Signs and Symptoms: Oral cancer usually occurs in people over the age of 45 but can develop at any age. These are some symptoms to watch for: A sore on the lip or in the mouth that does not heal, a lump on the lip or in the mouth or throat, a white or red patch on the gums, tongue, or lining of the mouth, unusual bleeding, pain, or numbness in the mouth, a sore throat that does not go away, or a feeling that something is caught in the throat, difficulty or pain with chewing or swallowing, swelling of the jaw that causes dentures to fit poorly or become uncomfortable, a change in the voice, and/or, pain in the ear.

Diagnosing the Cancer: Health exam, dental x-rays, head and chest x-rays, computed tomography (CAT) scan, ultrasonography, magnetic resonance imaging (MRI).

Treatment: Surgery, radiation therapy, chemotherapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 10.85, to the age-adjusted mortality rate, 3.75 (per 100,000 – 2000 US Standard population), for Lip, Oral Cavity and Pharynx Cancer was 3.75 during the 2000 to 2004 period, which means that for every 100 deaths due to this type of cancer there were 375 cases in Nevada of Lip, Oral Cavity and Pharynx Cancer during this period.
- Nevadan males had a higher ratio (3.73) than females (3.60) when the incidence and mortality age-adjusted rates for Lip, Oral Cavity and Pharynx Cancer were compared. This means that for every 100 deaths due to Lip, Oral Cavity and Pharynx Cancer there would be 373 male cases while only 360 cases for every female death for the 2000 to 2004 period.
- The median age at diagnosis of Lip, Oral Cavity and Pharynx Cancer for Nevada residents was 62 years of age from 2000 to 2004 while the median age for males and females was 61 and 65 years, respectively. The median age at time of death due to Lip, Oral Cavity and Pharynx Cancer was 69 years statewide, 67 years of age for males and 72 years of age for females.

INCIDENCE

- Nevada's incidence rate for Lip, Oral Cavity and Pharynx Cancer 10.8 was slightly higher than the national rate of 10.5 (per 100,000 – 2000 US Standard population) from 2000 to 2004.
- The statistically significant age-adjusted incidence rate for male Lip, Oral Cavity and Pharynx Cancer, 16.1 (15.0-17.3), was more than double the rate for females, 6.0 (5.3-6.7), per 100,000 – 2000 US Standard population, during the 2000 to 2004 period.
- Regional comparisons showed that Clark County's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer, 11.1, was slightly higher than the rates for Washoe County and All Other Counties who had rates of 10.6 and 10.0 (per 100,000 – 2000 US Standard population) from 2000 to 2004.
- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate, 11.8, for Lip, Oral Cavity and Pharynx Cancer during the 2000 to 2004 period and were followed by Blacks, Asians and Hispanics with rates of 8.5, 6.7 and 4.0 (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 526 Lip, Oral Cavity and Pharynx Cancer inpatient discharges in Nevada from 2000 to 2004. The statistically significant age-adjusted inpatient discharge rate for males, 5.7 (4.1-7.9), was almost twice the inpatient discharge rate for females, 2.9 (2.4-3.5), per 100,000 – 2000 US Standard population, in Nevada during this period.

- Total billed charges for hospital inpatient discharges from Lip, Oral Cavity and Pharynx Cancer in Nevada totaled 23.1 million dollars from 2000 to 2004. Clark County had the highest median total charge (\$25,921), while Washoe County had the longest average length of stay (7.1 days) during this time; once regional comparisons were made.
- The overall average billed charge per day for a inpatient hospital discharge for Lip, Oral Cavity and Pharynx Cancer in Nevada was approximately \$6,480 from 2000 to 2004.

MORTALITY

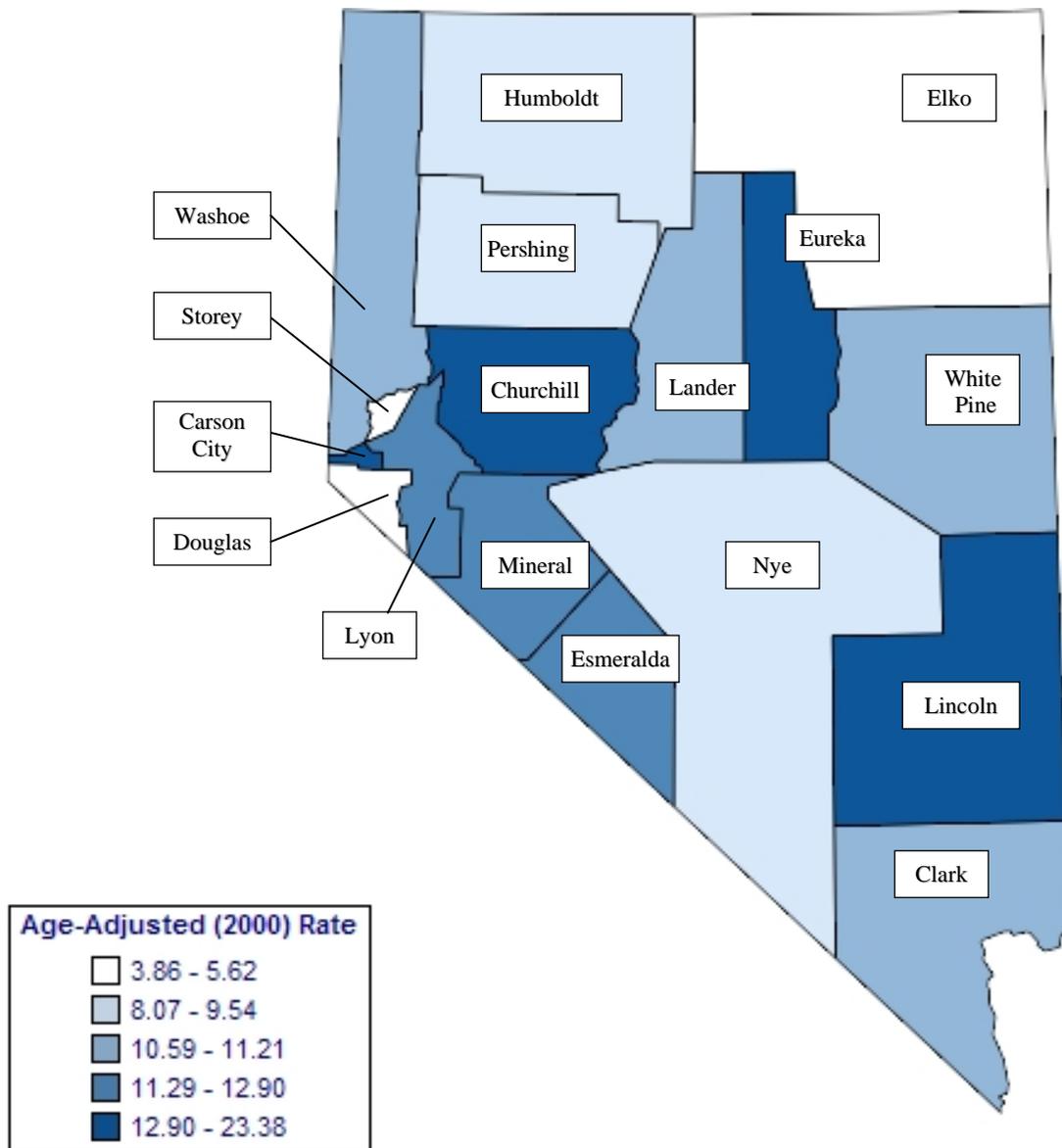
- There were 296 deaths due to Lip, Oral Cavity and Pharynx Cancer in Nevada from 2000 to 2004. While the All Other Counties region had the highest age-adjusted mortality rate, 3.2, and was followed by Clark County and Washoe County with rates of 3.0 and 2.2, respectively, statistical analysis shows that there is not a statistically significant difference between the three regions.
- Males had a statistically significant higher age-adjusted mortality rate due to Lip, Oral Cavity and Pharynx Cancer, 4.3 (3.7-5.0), than their female counterparts who had an age-adjusted mortality rate of 1.7 (1.3-2.1) (per 100,000 – 2000 US Standard population) during the 2000 to 2004 period.

SURVIVAL RATE

- Females had a slightly higher one-year survival rate (80.0%) than males (78.8%) for Lip, Oral Cavity and Pharynx Cancer in Nevada from 2000 to 2004. This difference maintained out to the five-year survival rate where females had a higher rate at 59.8% and males with a rate of 57.5% during this period.
- The one-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 90.6% for Nevada from 2000 to 2004, while those recorded at the regional, distant and unstaged stages had rates of 78.5%, 46.1% and 78.2%, respectively.
- The five-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 78.8% for Nevada from 2000 to 2004, while those recorded at the regional, distant and unstaged stages had rates of 56.3%, 27.7% and 46.1%, respectively.

INCIDENCE

Figure 128. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 2000-2004



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

Figure 129. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 2000-2004

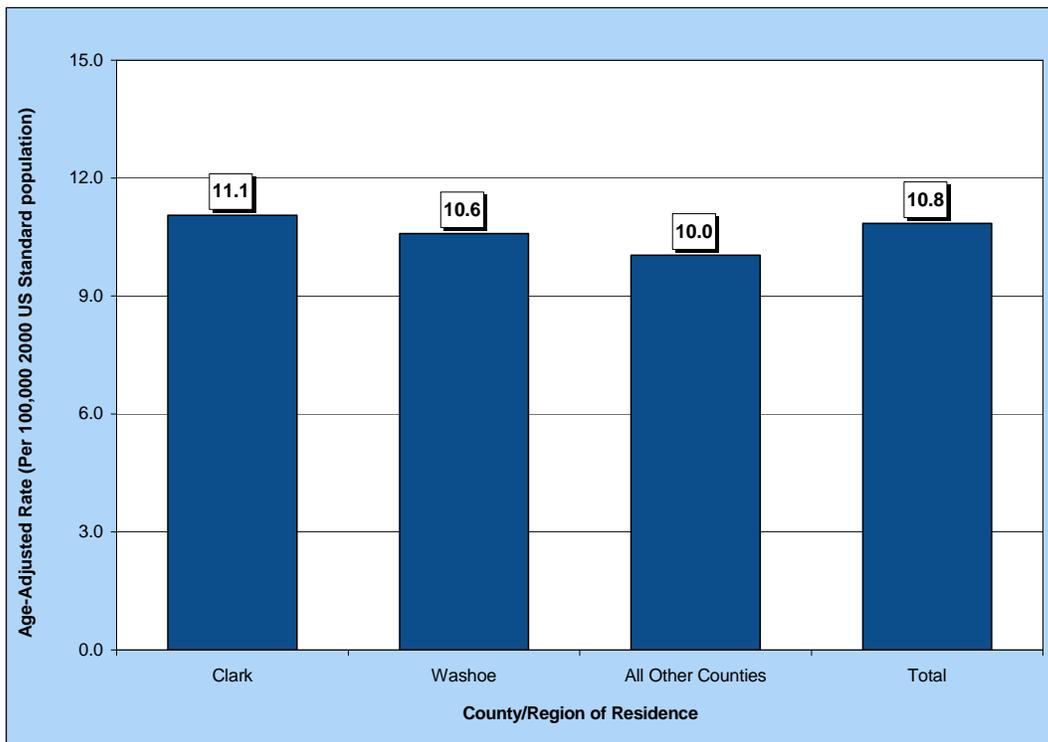


Figure 130. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 2000-2004

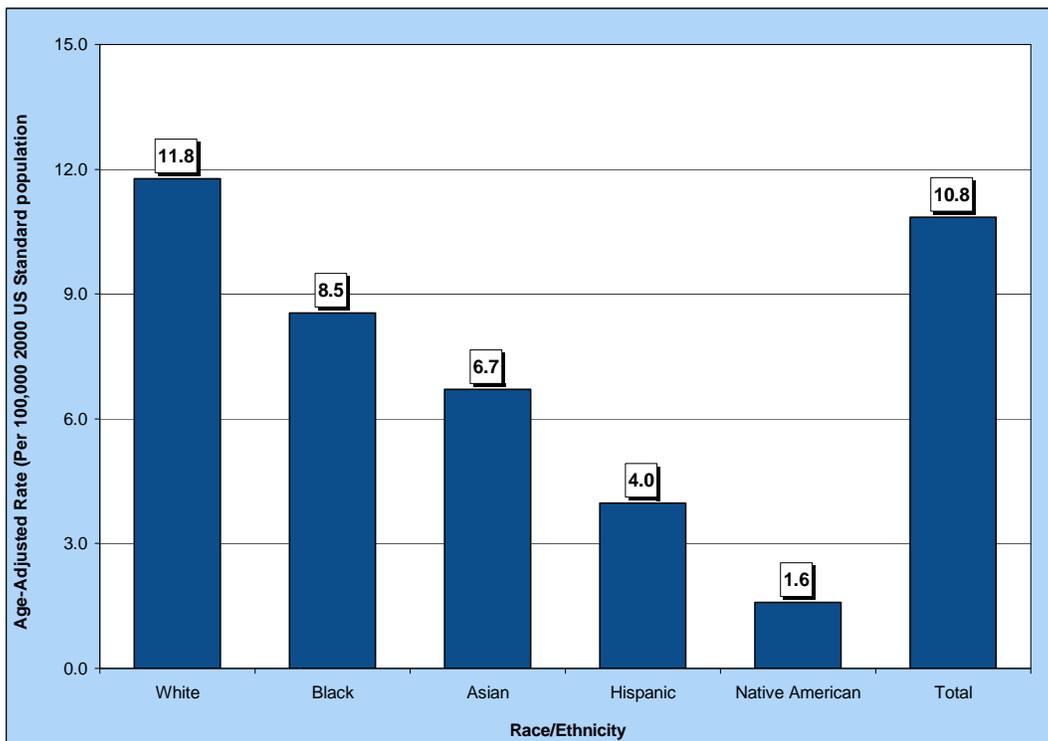


Table 192. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					SEER 17 (2000-2004)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,171	820	182	168	1	37,869
Rate*	10.8	11.1	10.6	10.0	---	10.5
95% C.I.	(10.2-11.5)	(10.3-11.9)	(9.1-12.3)	(8.6-11.7)	---	(10.4-10.6)
Gender						
Male	846	617	115	113	1	25,795
Rate*	16.1	17.2	13.9	13.4	---	15.7
95% C.I.	(15.0-17.3)	(15.8-18.8)	(11.4-17.1)	(11.0-16.3)	---	(15.5-15.9)
Female	325	203	67	55	0	12,074
Rate*	6.0	5.4	7.7	6.6	---	6.1
95% C.I.	(5.3-6.7)	(4.7-6.2)	(5.9-9.8)	(5.0-8.7)	---	(6.0-6.2)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,006	671	172	162	1	31,197
Rate*	11.8	12.0	11.7	10.8	---	10.6
95% C.I.	(11.1-12.5)	(11.1-13.0)	(10.0-13.7)	(9.2-12.6)	---	(10.5-10.7)
Black	49	44	5	0	0	3,685
Rate*	8.5	8.2	---	---	---	11.2
95% C.I.	(6.2-11.8)	(5.9-11.6)	---	---	---	(10.8-11.6)
Native American	2	0	2	0	0	194
Rate*	---	---	---	---	---	5.6
95% C.I.	---	---	---	---	---	(4.8-4.8)
Asian	35	34	0	1	0	2,413
Rate*	6.7	8.1	---	---	---	7.9
95% C.I.	(4.3-10.9)	(5.1-13.7)	---	---	---	(7.6-8.2)
Hispanic	40	34	3	3	0	2,484
Rate*	4.0	4.5	---	---	---	6.2
95% C.I.	(2.7-5.8)	(2.9-6.8)	---	---	---	(6.0-6.5)
Other/Unknown	39	37	0	2	0	380

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

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

Table 193. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					SEER 17 (2000-2004)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,171	820	182	168	1	37,869
Rate*	10.8	11.1	10.6	10.0	---	10.5
95% C.I.	(10.2-11.5)	(10.3-11.9)	(9.1-12.3)	(8.6-11.7)	---	(10.4-10.6)
Age Group						
<1	0	0	0	0	0	2
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
1-4	0	0	0	0	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	4	3	0	1	0	85
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	7	4	3	0	0	263
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	15	11	2	2	0	791
Rate*	0.9	0.9	---	---	---	1.5
95% C.I.	(0.46-1.40)	(0.38-1.46)	---	---	---	(1.4-1.6)
35-44	68	55	8	5	0	2,729
Rate*	4.0	4.6	---	---	---	4.6
95% C.I.	(3.04-4.94)	(3.37-5.79)	---	---	---	(4.4-4.7)
45-54	222	151	41	29	1	7,784
Rate*	14.9	15.0	15.6	13.0	---	15.0
95% C.I.	(12.91-16.82)	(12.59-17.37)	(10.85-20.43)	(8.26-17.70)	---	(14.7-15.4)
55-64	355	251	54	50	0	9,328
Rate*	32.5	33.4	31.1	30.0	---	28.2
95% C.I.	(29.14-35.90)	(29.27-37.53)	(22.80-39.38)	(21.72-38.37)	---	(27.6-28.8)
65-74	304	215	40	49	0	8,421
Rate*	42.4	43.5	37.5	42.4	---	38.6
95% C.I.	(37.64-47.18)	(37.65-49.27)	(25.91-49.18)	(30.53-54.27)	---	(37.7-39.4)
75-84	160	108	25	27	0	6,308
Rate*	38.9	38.6	39.5	39.8	---	41.1
95% C.I.	(32.90-44.96)	(31.32-45.88)	(24.00-54.96)	(24.78-54.80)	---	(40.1-42.1)
85+	36	22	9	5	0	2,147
Rate*	37.9	36.1	---	---	---	38.9
95% C.I.	(25.51-50.27)	(21.04-51.24)	---	---	---	(37.2-40.5)
Unknown	0	0	0	0	0	0

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

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

Table 194. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 2000-2004

County of Residence at Diagnosis	2000-2004 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	39	15.3	(10.5-20.0)	12.9	(9.2-17.8)
Churchill	21	16.8	(9.6-24.0)	16.6	(10.3-25.5)
Clark	820	10.7	(9.9-11.4)	11.1	(10.3-11.9)
Douglas	17	7.7	(4.0-11.3)	5.6	(3.2-9.4)
Elko	8	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	5	---	---	---	---
Lander	2	---	---	---	---
Lincoln	4	---	---	---	---
Lyon	31	15.8	(10.3-21.4)	12.9	(8.7-18.5)
Mineral	3	---	---	---	---
Nye	26	14.8	(9.1-20.4)	9.5	(6.1-14.6)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	182	10.1	(8.7-11.6)	10.6	(9.1-12.3)
White Pine	6	---	---	---	---
Unknown	1	---	---	---	---
Total	1,171	10.7	(10.1-11.3)	10.8	(10.2-11.5)

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

Table 195. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	725	281	0	1,006
	Rate*	17.3	6.5	---	11.8
	95% C.I.	(16.0-18.6)	(5.8-7.4)	---	(11.1-12.5)
Black	Incidence	33	16	0	49
	Rate*	12.5	5.4	---	8.5
	95% C.I.	(8.1-19.9)	(3.0-9.1)	---	(6.2-11.8)
Native American	Incidence	2	0	0	2
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	23	12	0	35
	Rate*	11.5	3.3	---	6.7
	95% C.I.	(6.5-21.6)	(1.7-5.8)	---	(4.3-10.9)
Hispanic	Incidence	31	9	0	40
	Rate*	6.4	---	---	4.0
	95% C.I.	(4.0-10.0)	---	---	(2.7-5.8)
Other/Unknown		32	7	0	39
Total	Incidence	846	325	0	1,171
	Rate*	16.1	6.0	---	10.8
	95% C.I.	(15.0-17.3)	(5.3-6.7)	---	(10.2-11.5)

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 196. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 2000-2004

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	3	1	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	4	0	7
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	5	0	15
Rate*	1.19	---	---	0.93
95% C.I.	(0.45-1.92)	---	---	(0.46-1.40)
35-44	46	22	0	68
Rate*	5.20	2.68	---	3.99
95% C.I.	(3.69-6.70)	(1.56-3.80)	---	(3.04-4.94)
45-54	172	50	0	222
Rate*	22.72	6.79	---	14.87
95% C.I.	(19.33-26.12)	(4.91-8.67)	---	(12.91-16.82)
55-64	277	78	0	355
Rate*	51.47	14.09	---	32.52
95% C.I.	(45.41-57.53)	(10.97-17.22)	---	(29.14-35.90)
65-74	215	89	0	304
Rate*	60.85	24.48	---	42.41
95% C.I.	(52.72-68.99)	(19.40-29.57)	---	(37.64-47.18)
75-84	98	62	0	160
Rate*	52.78	27.52	---	38.93
95% C.I.	(42.33-63.23)	(20.67-34.36)	---	(32.90-44.96)
85+	22	14	0	36
Rate*	69.25	22.14	---	37.89
95% C.I.	(40.31-98.19)	(10.54-33.73)	---	(25.51-50.27)
Unknown	0	0	0	0
Total	846	325	0	1,171
Rate*	15.22	6.04	---	10.70
95% C.I.	(14.2-16.2)	(5.4-6.7)	---	(10.1-11.3)

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

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

Table 197. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 2000-2004

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	---	2	2	0	0	4
	Percent	---	50.0%	50.0%	---	---	100.0%
15-24	Number	---	2	3	0	2	7
	Percent	---	28.6%	42.9%	---	28.6%	100.0%
25-34	Number	---	5	4	0	6	15
	Percent	---	33.3%	26.7%	---	40.0%	100.0%
35-44	Number	---	24	21	5	18	68
	Percent	---	35.3%	30.9%	7.4%	26.5%	100.0%
45-54	Number	---	59	83	15	65	222
	Percent	---	26.6%	37.4%	6.8%	29.3%	100.0%
55-64	Number	---	107	124	35	89	355
	Percent	---	30.1%	34.9%	9.9%	25.1%	100.0%
65-74	Number	---	80	107	22	95	304
	Percent	---	26.3%	35.2%	7.2%	31.3%	100.0%
75-84	Number	---	45	46	14	55	160
	Percent	---	28.1%	28.8%	8.8%	34.4%	100.0%
85+	Number	---	7	10	1	18	36
	Percent	---	19.4%	27.8%	2.8%	50.0%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	331	400	92	348	1,171
	Percent	---	28.3%	34.2%	7.9%	29.7%	100.0%

Table 198. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 2000-2004

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	287	11	0	12	11	10	331
	Percent	28.5%	22.4%	---	34.3%	27.5%	25.6%	28.3%
Regional	Number	351	19	0	10	14	6	400
	Percent	34.9%	38.8%	---	28.6%	35.0%	15.4%	34.2%
Distant	Number	79	5	0	5	3	0	92
	Percent	7.9%	10.2%	---	14.3%	7.5%	---	7.9%
Unstaged	Number	289	14	2	8	12	23	348
	Percent	28.7%	28.6%	100.0%	22.9%	30.0%	59.0%	29.7%
Total	Number	1,006	49	2	35	40	39	1,171
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

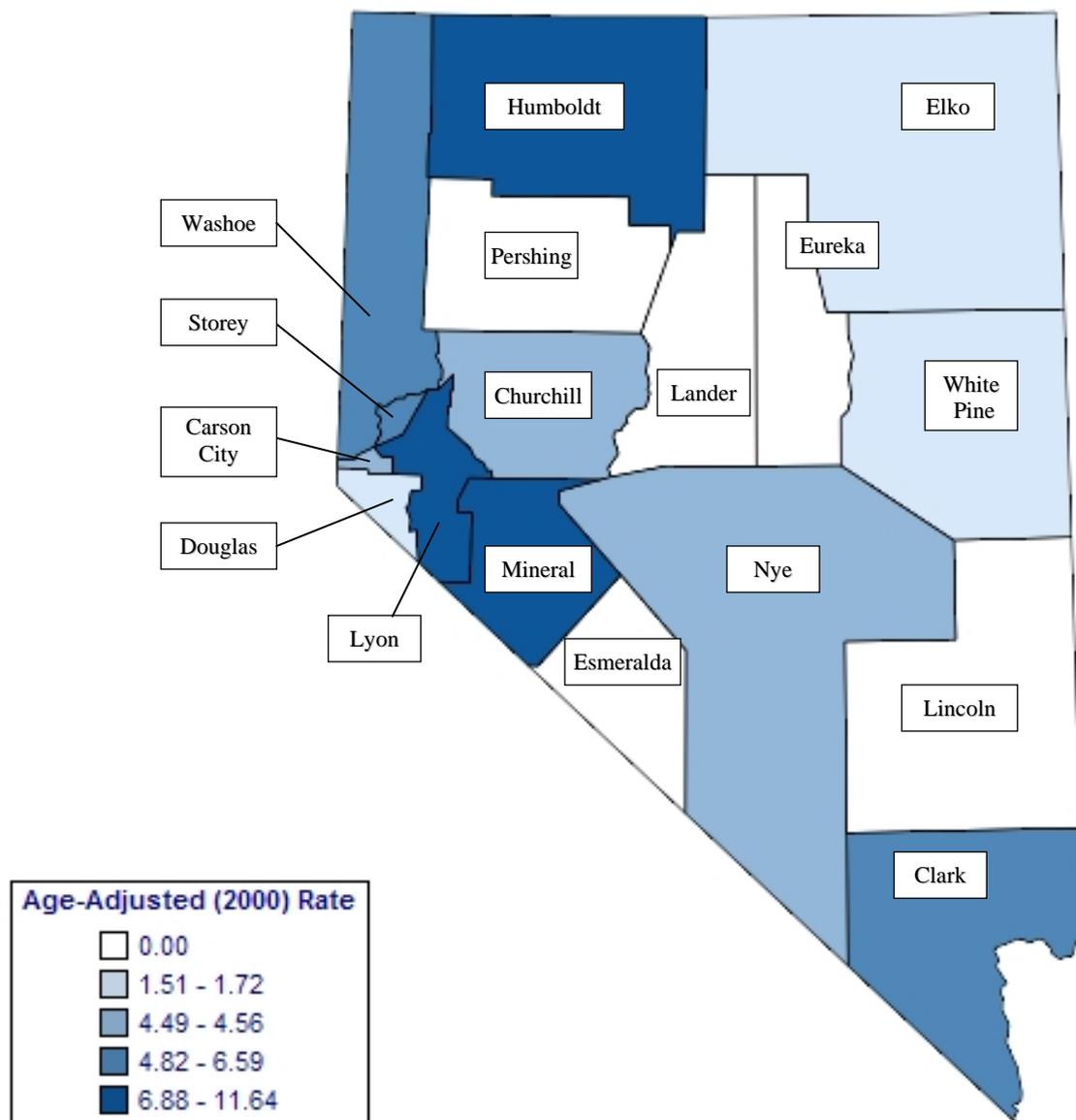
Table 199. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	725	62.0	281	65.0	1,006	63.0
Black	33	62.0	16	62.0	49	62.0
Native American	2	---	0	---	2	---
Asian	23	56.0	12	55.0	35	56.0
Hispanic	31	56.0	9	45.0	40	51.5
Other/Unknown	32	58.5	7	58.0	39	58.0
Total	846	61.0	325	65.0	1,171	62.0

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

INPATIENT HOSPITAL DISCHARGES

Figure 131. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 2000-2004



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

Figure 132. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 2000-2004

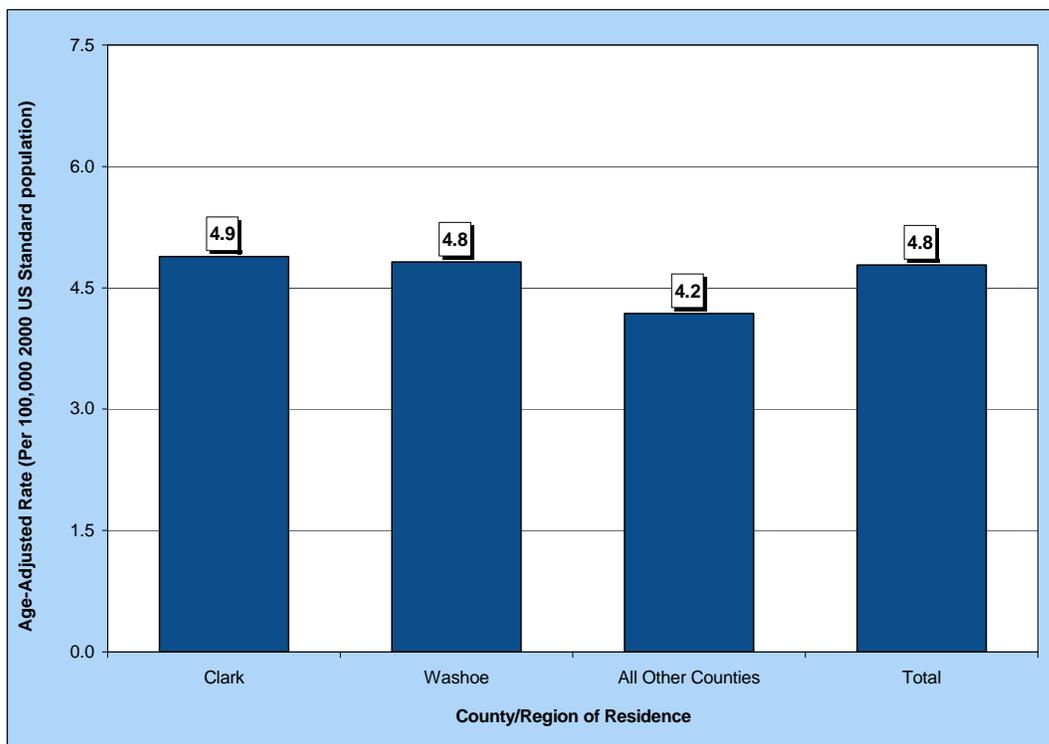


Figure 133. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

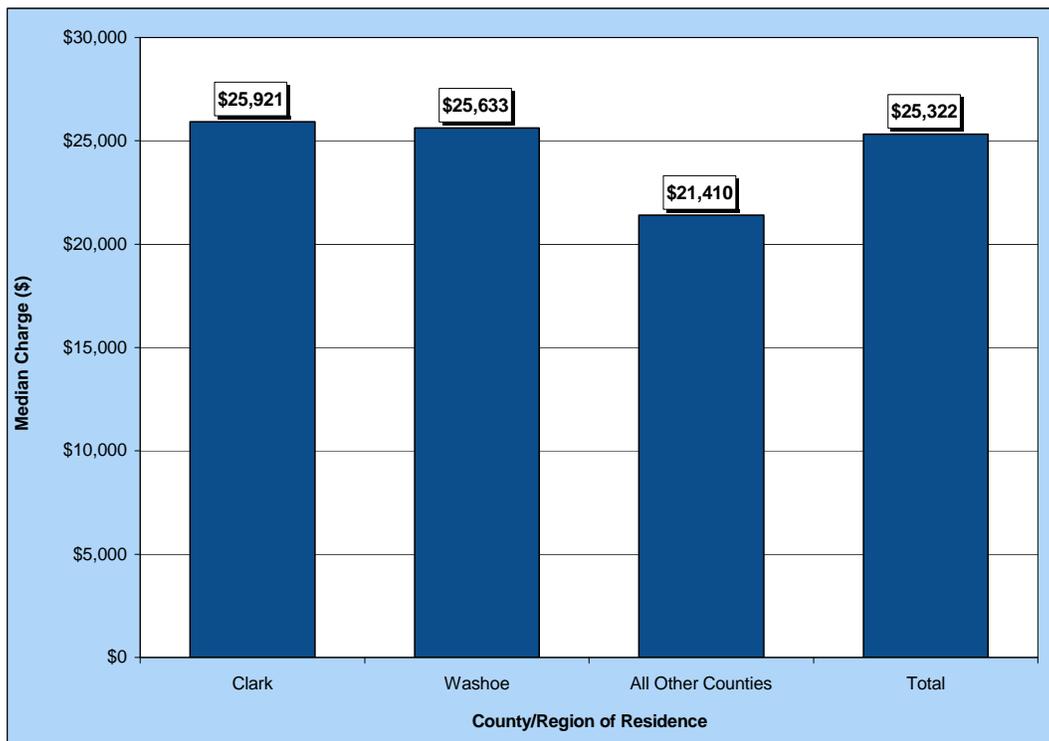


Figure 134. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

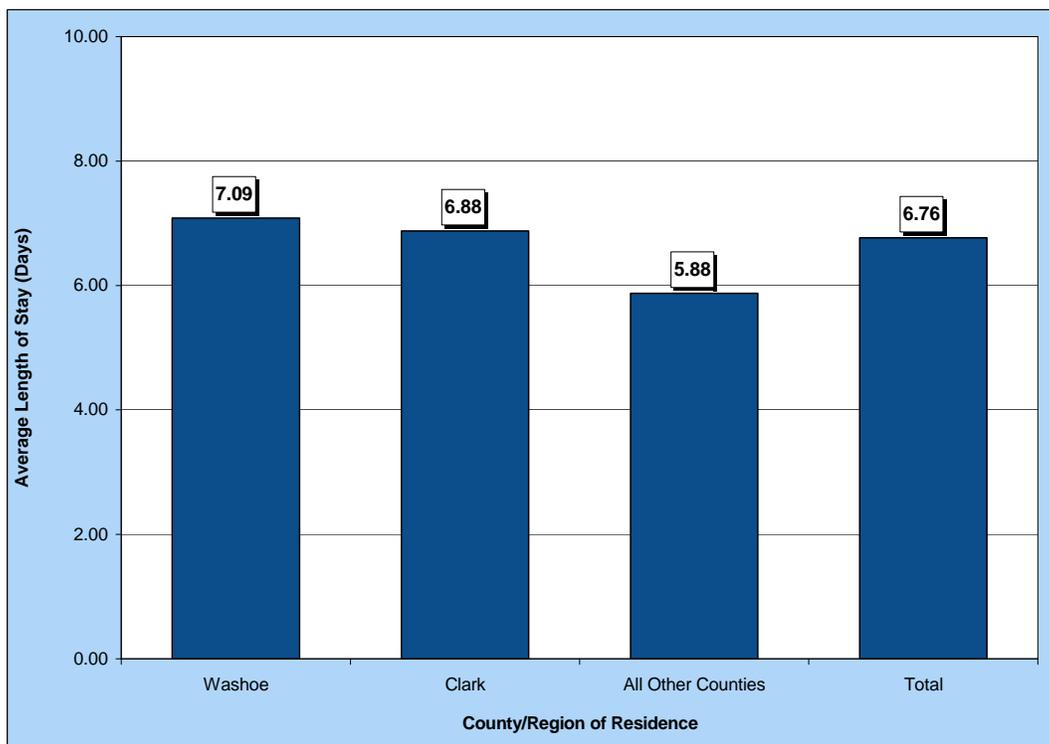


Table 200. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	526	371	82	72	1
Rate*	4.8	4.9	4.8	4.2	---
95% C.I.	(4.4-5.2)	(4.4-5.4)	(3.8-6.0)	(3.3-5.3)	---
Gender					
Male	362	259	48	54	1
Rate*	6.7	7.0	5.7	6.1	---
95% C.I.	(6.0-7.4)	(6.1-8.0)	(4.1-7.9)	(4.5-8.0)	---
Female	164	112	34	18	0
Rate*	3.0	2.9	3.9	2.2	---
95% C.I.	(2.5-3.5)	(2.4-3.5)	(2.7-5.5)	(1.3-3.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$23,050,151	\$17,108,903	\$3,326,185	\$2,597,955	\$17,108
Average Charges	\$43,822	\$46,116	\$40,563	\$36,083	\$17,108
Median Charges	\$25,322	\$25,921	\$25,633	\$21,410	\$17,108
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,557	2,552	581	423	1
Average LOS	6.8	6.9	7.1	5.9	1.0
Median LOS	4.0	4.0	4.0	3.0	1.0

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

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

Table 201. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	526	371	82	72
Rate*	4.8	4.8	4.6	5.0
95% C.I.	(4.4-5.2)	(4.3-5.3)	(3.6-5.6)	(3.8-6.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	34	24	8	2
Rate*	2.0	2.0	---	---
95% C.I.	(1.32-2.66)	(1.20-2.80)	---	---
45-54	93	62	12	19
Rate*	6.2	6.2	4.6	8.5
95% C.I.	(4.96-7.49)	(4.62-7.68)	(1.99-7.17)	(4.68-12.33)
55-64	178	124	25	29
Rate*	16.3	16.5	14.4	17.4
95% C.I.	(13.91-18.70)	(13.59-19.40)	(8.75-20.04)	(11.08-23.77)
65-74	141	108	19	13
Rate*	19.7	21.8	17.8	11.3
95% C.I.	(16.42-22.92)	(17.71-25.95)	(9.81-25.85)	(5.13-17.36)
75-84	62	40	14	8
Rate*	15.1	14.3	22.1	---
95% C.I.	(11.33-18.84)	(9.87-18.73)	(10.53-33.69)	---
85+	8	4	3	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

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

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

Table 202. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 2000-2004

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	1	2
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	2	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	4	0	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	24	10	34
Rate*	2.71	1.22	1.99
95% C.I.	(1.63-3.80)	(0.46-1.98)	(1.32-2.66)
45-54	75	18	93
Rate*	9.91	2.44	6.23
95% C.I.	(7.67-12.15)	(1.32-3.57)	(4.96-7.49)
55-64	133	45	178
Rate*	24.71	8.13	16.31
95% C.I.	(20.51-28.91)	(5.75-10.51)	(13.91-18.70)
65-74	93	48	141
Rate*	26.32	13.20	19.67
95% C.I.	(20.97-31.67)	(9.47-16.94)	(16.42-22.92)
75-84	24	38	62
Rate*	12.93	16.86	15.09
95% C.I.	(7.75-18.10)	(11.50-22.23)	(11.33-18.84)
85+	6	2	8
Rate*	---	---	---
95% C.I.	---	---	---
Unknown	0	0	0
Total	362	164	526
Rate*	6.51	3.05	4.81
95% C.I.	(5.8-7.2)	(2.6-3.5)	(4.4-5.2)

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

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

Table 203. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

County of Residence	2000-2004 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	14	5.5	(2.6-8.3)	4.6	(2.5-7.7)
Churchill	6	---	---	---	---
Clark	371	4.8	(4.3-5.3)	4.9	(4.4-5.4)
Douglas	5	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	10	12.4	(4.7-20.0)	11.6	(5.4-23.8)
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	17	8.7	(4.6-12.8)	6.9	(4.0-11.1)
Mineral	2	---	---	---	---
Nye	12	6.8	(3.0-10.7)	4.5	(2.3-8.2)
Pershing	0	---	---	---	---
Storey	2	---	---	---	---
Washoe	82	4.6	(3.6-5.6)	4.8	(3.8-6.0)
White Pine	1	---	---	---	---
Unknown	1	---	---	---	---
Total	526	4.8	(4.4-5.2)	4.8	(4.4-5.2)

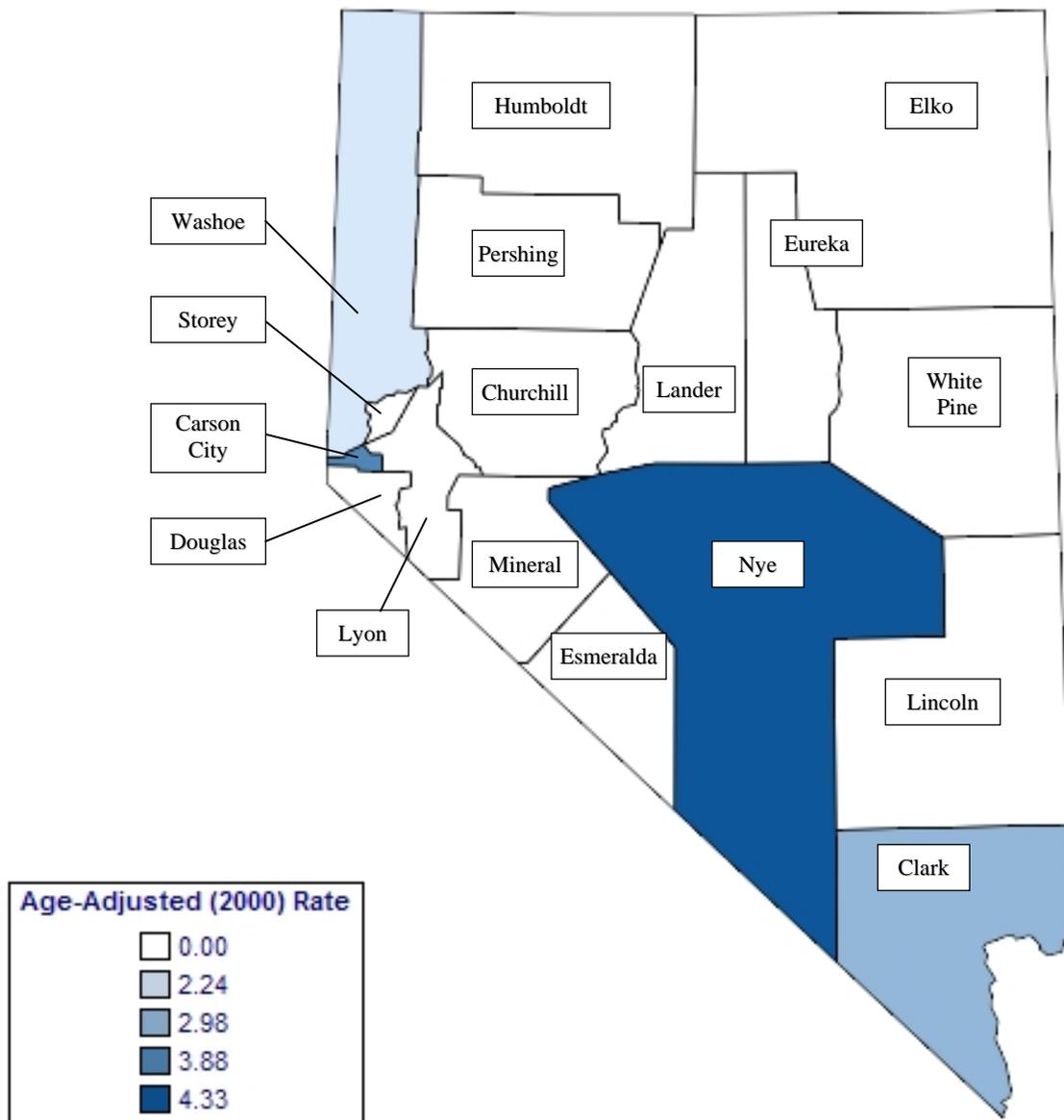
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 204. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 2000-2004

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	1	---	---	---	---	---	---
5-14	2	---	---	---	---	---	---
15-24	3	---	---	---	---	---	---
25-34	4	---	---	---	---	---	---
35-44	34	1,185,901	34,879	23,664	201	5.9	3.5
45-54	93	3,986,681	42,868	24,849	592	6.4	4.0
55-64	178	8,416,354	47,283	26,145	1,434	8.1	4.0
65-74	141	6,895,896	48,907	30,936	926	6.6	4.0
75-84	62	2,098,619	33,849	20,942	305	4.9	3.0
85+	8	---	---	---	---	---	---
Unknown	0	---	---	---	---	---	---
Total	526	23,050,151	43,822	25,322	3,557	6.8	4.0

MORTALITY

Figure 135. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 2000-2004



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

Figure 136. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 2000-2004

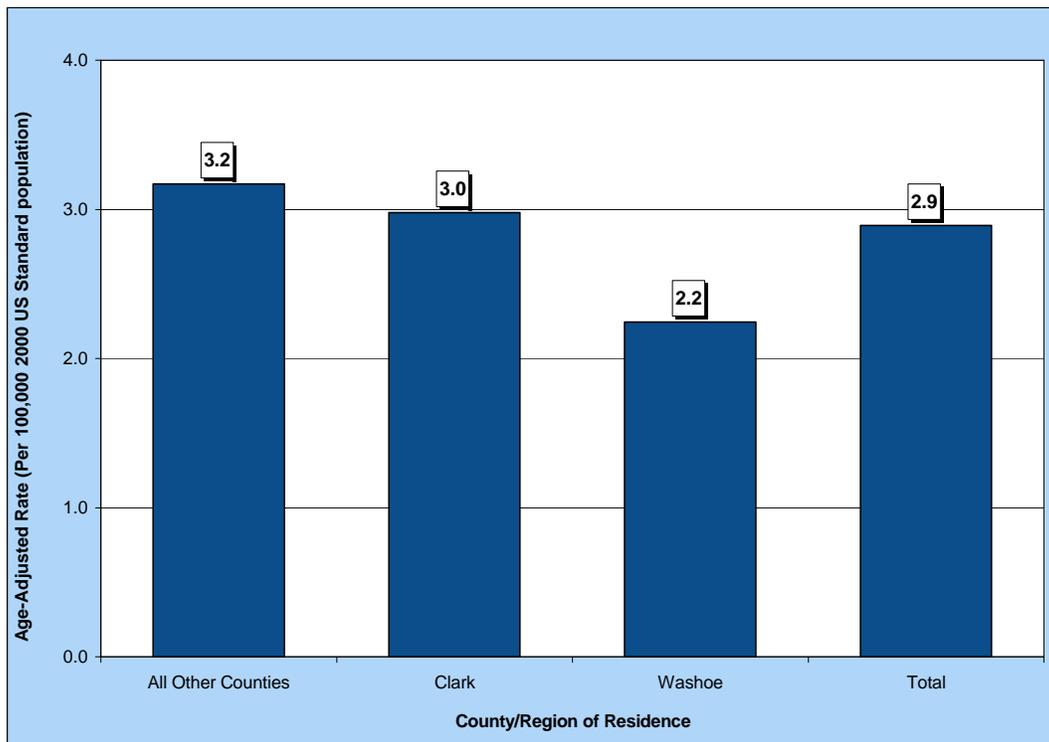


Figure 137. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 2000-2004

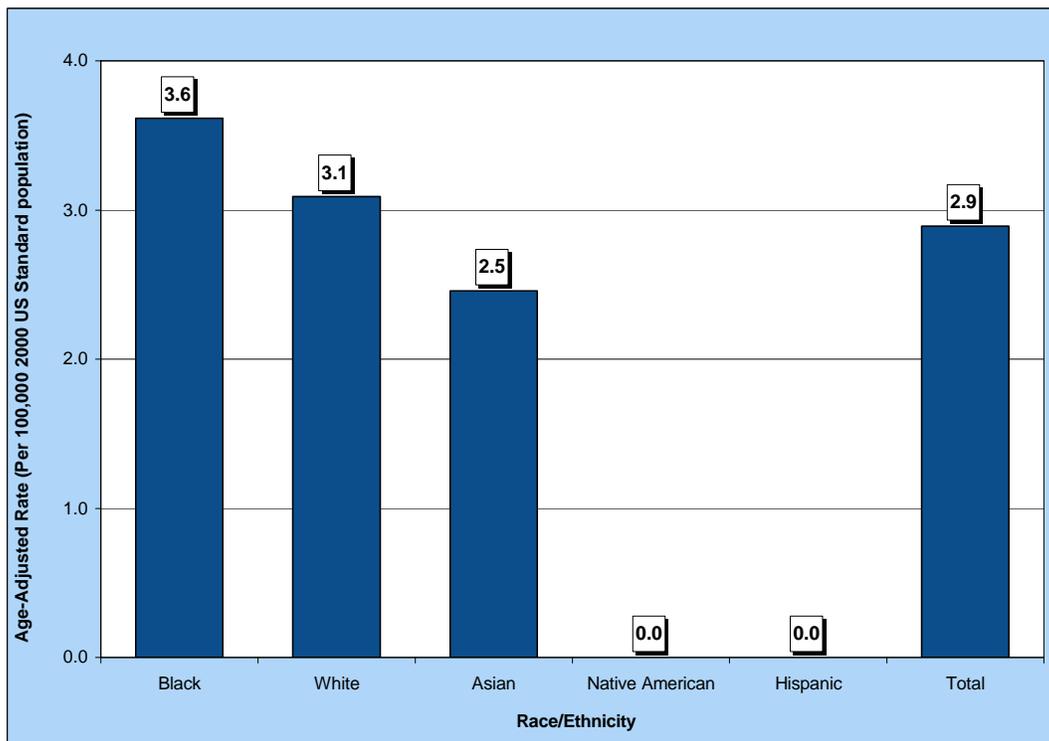


Table 205. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	296	209	36	51
Rate*	2.9	3.0	2.2	3.2
95% C.I.	(2.6-3.3)	(2.6-3.4)	(1.6-3.2)	(2.3-4.2)
Gender				
Male	209	147	24	38
Rate*	4.3	4.5	3.1	4.7
95% C.I.	(3.7-5.0)	(3.8-5.5)	(2.0-5.0)	(3.3-6.8)
Female	87	62	12	13
Rate*	1.7	1.7	1.4	1.6
95% C.I.	(1.3-2.1)	(1.3-2.2)	(0.7-2.5)	(0.9-2.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	259	178	31	50
Rate*	3.1	3.2	2.2	3.4
95% C.I.	(2.7-3.5)	(2.8-3.8)	(1.5-3.2)	(2.5-4.6)
Black	18	17	1	0
Rate*	3.6	3.6	---	---
95% C.I.	(2.1-6.2)	(2.0-6.4)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	10	10	0	0
Rate*	2.5	3.1	---	---
95% C.I.	(0.9-6.3)	(1.1-8.3)	---	---
Hispanic	7	4	3	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	1	0	0	1

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

Table 206. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	296	209	36	51
Rate*	2.9	3.0	2.2	3.2
95% C.I.	(2.6-3.3)	(2.6-3.4)	(1.6-3.2)	(2.3-4.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	5	5	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	31	22	2	7
Rate*	2.1	2.2	---	---
95% C.I.	(1.35-2.81)	(1.27-3.10)	---	---
55-64	73	50	10	13
Rate*	6.7	6.7	5.8	7.8
95% C.I.	(5.15-8.22)	(4.81-8.50)	(2.19-9.33)	(3.56-12.06)
65-74	95	71	11	13
Rate*	13.3	14.4	10.3	11.3
95% C.I.	(10.59-15.92)	(11.01-17.69)	(4.22-16.43)	(5.13-17.36)
75-84	69	45	11	13
Rate*	16.8	16.1	17.4	19.2
95% C.I.	(12.83-20.75)	(11.38-20.78)	(7.11-27.64)	(8.74-29.57)
85+	20	13	2	5
Rate*	21.1	21.4	---	---
95% C.I.	(11.82-30.28)	(9.75-32.96)	---	---
Unknown	0	0	0	0

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

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

Table 207. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 2000-2004

County of Residence at Diagnosis	2000-2004 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	12	4.7	(2.0-7.3)	3.9	(2.0-6.9)
Churchill	2	---	---	---	---
Clark	209	2.7	(2.3-3.1)	3.0	(2.6-3.4)
Douglas	2	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	0	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	7	---	---	---	---
Mineral	1	---	---	---	---
Nye	11	6.2	(2.6-9.9)	4.3	(2.1-8.0)
Pershing	1	---	---	---	---
Storey	3	---	---	---	---
Washoe	36	2.0	(1.4-2.7)	2.2	(1.6-3.2)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	296	2.7	(2.4-3.0)	2.9	(2.6-3.3)

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

Table 208. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	188	71	0	259
	Rate*	4.7	1.7	---	3.1
	95% C.I.	(4.0-5.5)	(1.3-2.1)	---	(2.7-3.5)
Black	Incidence	10	8	0	18
	Rate*	3.5	---	---	3.6
	95% C.I.	(1.7-7.0)	---	---	(2.1-6.2)
Native American	Incidence	1	0	0	1
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	5	5	0	10
	Rate*	---	---	---	2.5
	95% C.I.	---	---	---	(0.9-6.3)
Hispanic	Incidence	5	2	0	7
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Other/Unknown	0	1	0	1	
Total	Incidence	209	87	0	296
	Rate*	4.3	1.7	---	2.9
	95% C.I.	(3.7-5.0)	(1.3-2.1)	---	(2.6-3.3)

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

Table 209. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 2000-2004

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	1	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
45-54	22	9	31
Rate*	2.91	---	2.08
95% C.I.	(1.69-4.12)	---	(1.35-2.81)
55-64	62	11	73
Rate*	11.52	1.99	6.69
95% C.I.	(8.65-14.39)	(0.81-3.16)	(5.15-8.22)
65-74	69	26	95
Rate*	19.53	7.15	13.25
95% C.I.	(14.92-24.14)	(4.40-9.90)	(10.59-15.92)
75-84	38	31	69
Rate*	20.47	13.76	16.79
95% C.I.	(13.96-26.97)	(8.91-18.60)	(12.83-20.75)
85+	13	7	20
Rate*	40.92	---	21.05
95% C.I.	(18.68-63.17)	---	(11.82-30.28)
Unknown	0	0	0
Total	209	87	296
Rate*	3.76	1.62	2.71
95% C.I.	(3.3-4.3)	(1.3-2.0)	(2.4-3.0)

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

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

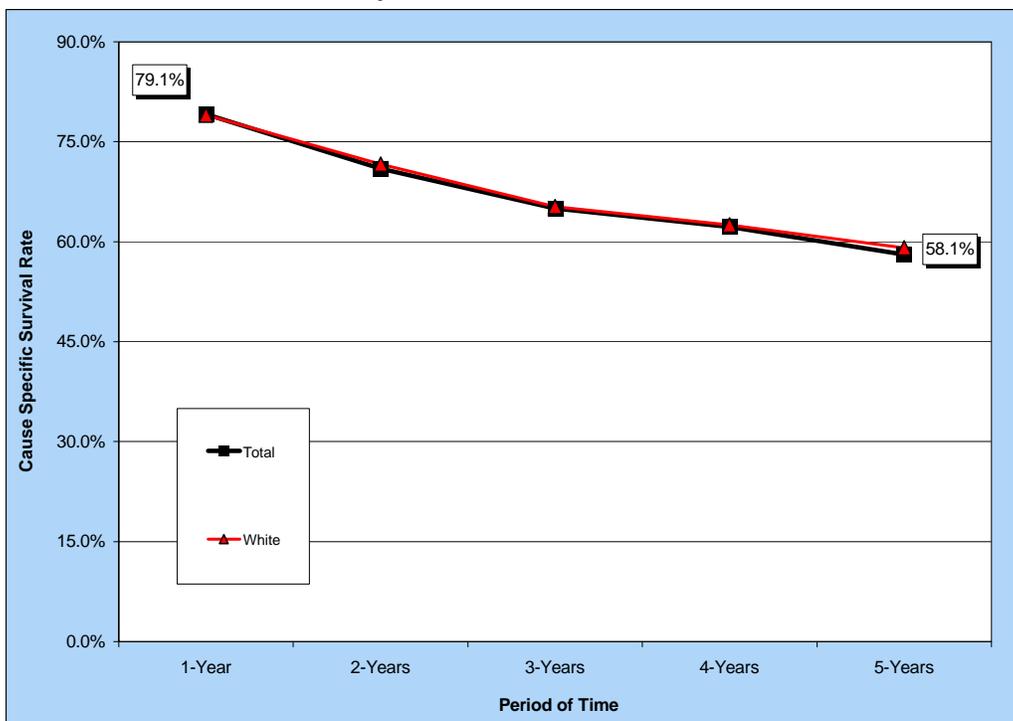
Table 210. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	188	67.5	71	74.0	259	70.0
Black	10	58.5	8	76.5	18	64.0
Native American	1	---	0	---	1	---
Asian	5	59.0	5	48.0	10	53.5
Hispanic	5	60.0	2	---	7	63.0
Other/Unknown	0	---	1	---	1	---
Total	209	67.0	87	72.0	296	69.0

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

SURVIVAL RATE

Figure 138. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 2000-2004



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

Figure 139. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 2000-2004

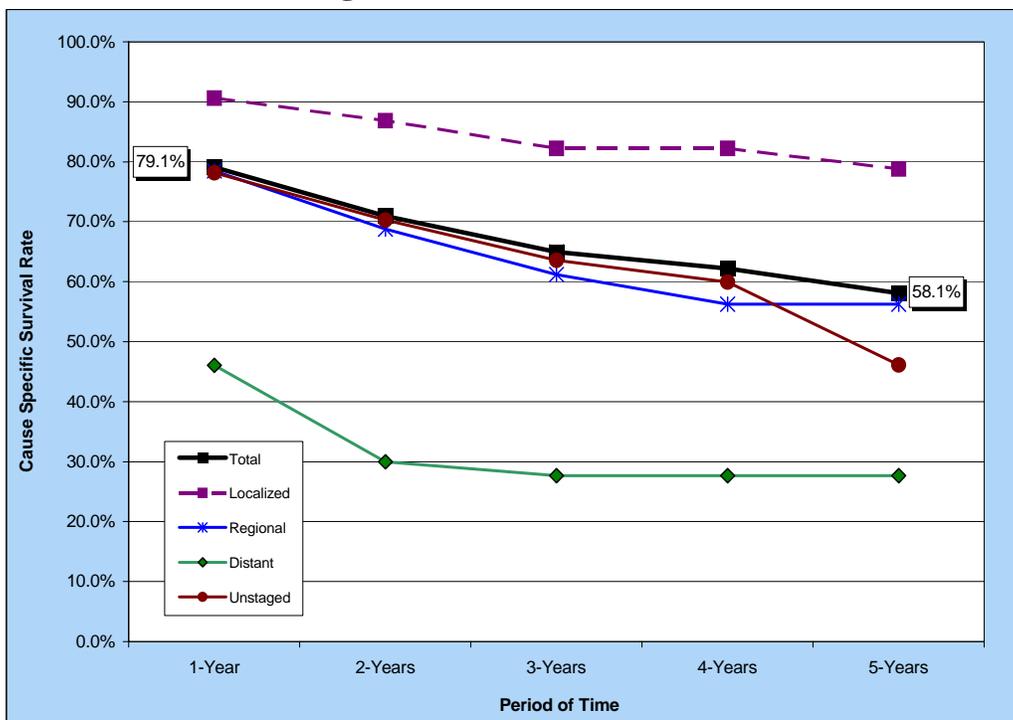


Table 211. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

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	950	79.1%	71.0%	65.0%	62.2%	58.1%	> 5 YEARS
Male	689	78.8%	70.1%	63.5%	60.6%	57.5%	> 5 YEARS
Female	261	80.0%	73.2%	68.8%	66.5%	59.8%	> 5 YEARS
Race/Ethnicity							
White	806	79.0%	71.6%	65.3%	62.5%	59.1%	> 5 YEARS
Male	585	78.4%	70.3%	63.4%	60.6%	58.9%	> 5 YEARS
Female	221	80.8%	75.3%	70.3%	67.7%	60.2%	> 5 YEARS
Black	42	---	---	---	---	---	.
Male	28	---	---	---	---	---	.
Female	14	---	---	---	---	---	.
Native American	1	---	---	---	---	---	.
Male	1	---	---	---	---	---	.
Female	0	---	---	---	---	---	---
Asian	33	---	---	---	---	---	.
Male	21	---	---	---	---	---	.
Female	12	---	---	---	---	---	.
Hispanic	34	---	---	---	---	---	.
Male	26	---	---	---	---	---	.
Female	8	---	---	---	---	---	.

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

Table 212. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 2000-2004

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	950	689	261
	One Year	79.1%	78.8%	80.0%
	5 Years	58.1%	57.5%	59.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	267	184	83
	One Year	90.6%	91.5%	88.8%
	5 Years	78.8%	83.8%	71.3%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	335	249	86
	One Year	78.5%	76.7%	83.5%
	5 Years	56.3%	53.8%	63.1%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Distant	Cases	77	59	18
	One Year	46.1%	46.6%	---
	5 Years	27.7%	27.1%	---
	Median Survival	0.93	0.94	.
Unstaged	Cases	271	197	74
	One Year	78.2%	79.8%	73.7%
	5 Years	46.1%	44.6%	50.0%
	Median Survival	4.72	4.58	5.00

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.