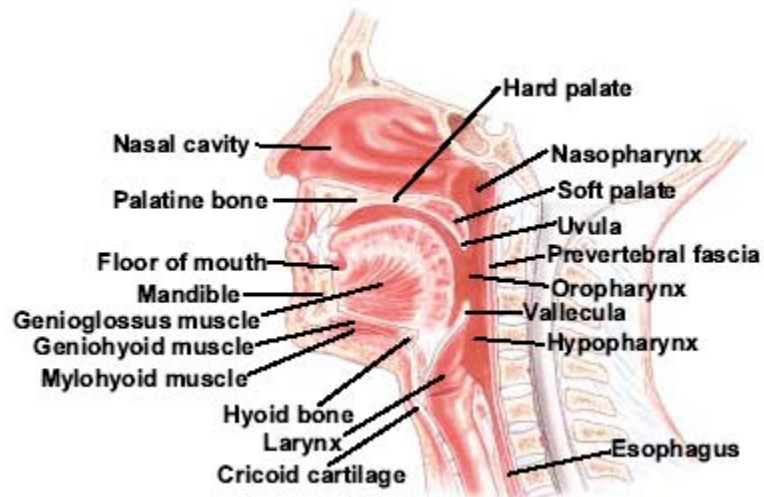


LIP, ORAL CAVITY AND PHARYNX CANCER

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE⁴

Figure 140. 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, 10.4, to the age-adjusted mortality rate, 2.5 (per 100,000 – 2000 US Standard population), for Lip, Oral Cavity and Pharynx Cancer was 4.12 during the 1996 to 2000 period, which means that for every 4.12 cases of Lip, Oral Cavity and Pharynx Cancer there was one death for this type of cancer in Nevada during this period.
- Nevadan males had a higher ratio than females when the age-adjusted incidence and age-adjusted mortality rates for Lip, Oral Cavity and Pharynx Cancer were compared. For every male death due to this type of cancer there were 4.49 male cases while there were only 3.68 female cases for every female from 1996 to 2000.
- The median age at diagnosis of Lip, Oral Cavity and Pharynx Cancer for Nevada residents was 62 years of age from 1996 to 2000 while the median age for males and females was 60 and 65.5 years, respectively. The median age at time of death due to Lip, Oral Cavity and Pharynx Cancer was 67 years statewide, 65 years of age for males and 72 years of age for females.

INCIDENCE

- Nevada's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer (10.4) was only slightly lower than the National rate of 11.0 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- The statistically significant age-adjusted incidence rate for male Lip, Oral Cavity and Pharynx Cancer, 14.5 (13.3-15.8), was more than double the rate for Females, 6.6 (5.9-7.4), per 100,000 – 2000 US Standard population, during the 1996 to 2000 period.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer, 11.8, was higher than the rate for All Other Counties and Clark County who had rates of 10.3 and 10.1 (per 100,000 – 2000 US Standard population) from 1996 to 2000, these differences were not statistically significant.
- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate, 11.5 and were followed by Blacks, Asians and Hispanics with rates of 7.7, 5.8 and 4.3 (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 505 Lip, Oral Cavity and Pharynx Cancer inpatient discharges in Nevada from 1996 to 2000. The statistically significant age-adjusted inpatient discharge rate for males, 7.6 (6.8-8.6), was twice the inpatient discharge rate for females, 3.8 (3.3-4.4), 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 over 17 million dollars from 1996 to 2000. Washoe County had the highest median total charge (\$22,090), while Clark County had the longest average length of stay (7.7 days) during this time; once regional comparisons were made.
- The overall average billed charge per day for a inpatient hospital discharge for Leukemia in Nevada was nearly \$4,500 from 1996 to 2000.

MORTALITY

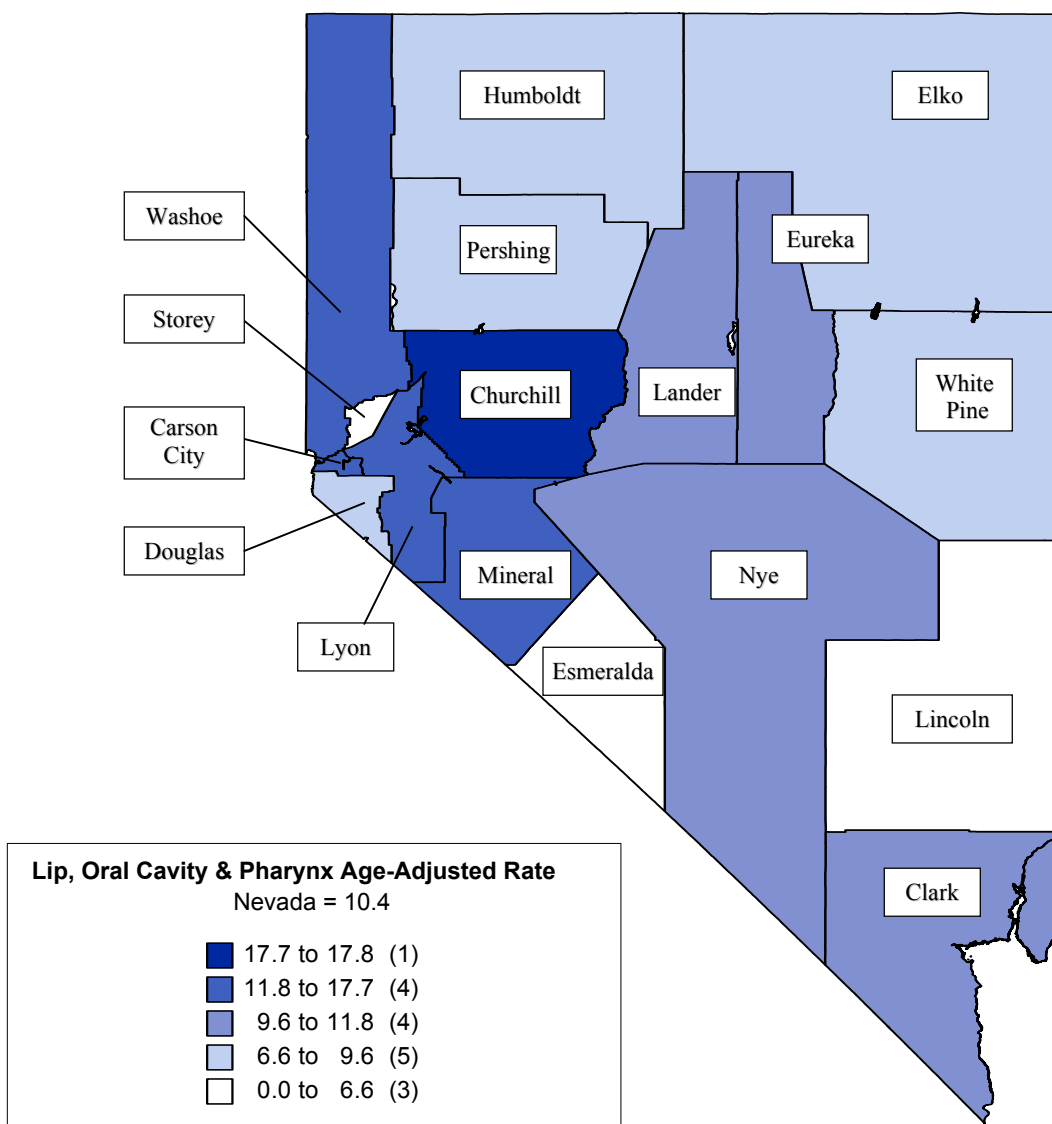
- There were 213 deaths due to Lip, Oral Cavity and Pharynx Cancer in Nevada from 1996 to 2000. While All Other Counties and Washoe County had a higher age-adjusted mortality rate, 3.0, than Clark County, 2.2, statistical analysis shows that there is not a statistically significant difference between the three regions.
- Males had a statistically significant higher age-adjusted mortality rate due to Lip, Oral Cavity and Pharynx Cancer, 3.2 (2.7-3.9), than their female counterparts who had an age-adjusted mortality rate of 1.8 (1.4-2.3), per 100,000 – 2000 US Standard population, during the 1996 to 2000 period.

SURVIVAL RATE

- While females in Nevada had a slightly higher one-year survival rate (77.2%) than males (76.1%) for Lip, Oral Cavity and Pharynx Cancer during the 1996 to 2000 period, their five-year survival rate was lower (28.5%) than the five-year rate for males (33.6%). However, their median survival time was slightly greater than the time for males at 2.89 and 2.64 years, respectively.
- The one-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 91.2%, while those diagnosed at the regional, distant and unstaged stages had rates of 78.4%, 51.3% and 61.6%, respectively.
- The five-year survival rate for Lip, Oral Cavity and Pharynx Cancer with those at the localized stage was 49.9%, and was followed by those at the regional and distant stages with rates of 25.0% and 16.1%, respectively.
- The Median Survival time for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 4.00 years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 2.71, 1.09 and 1.46 years, respectively.

INCIDENCE

Figure 141. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



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

Figure 142. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

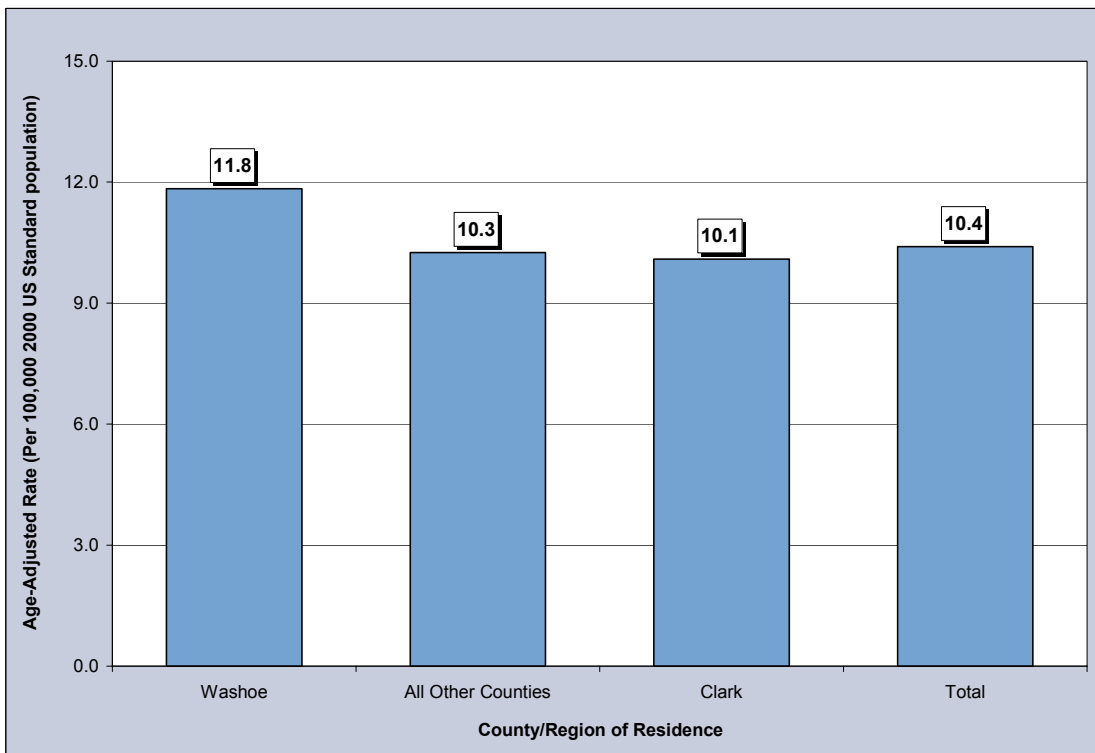


Figure 143. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

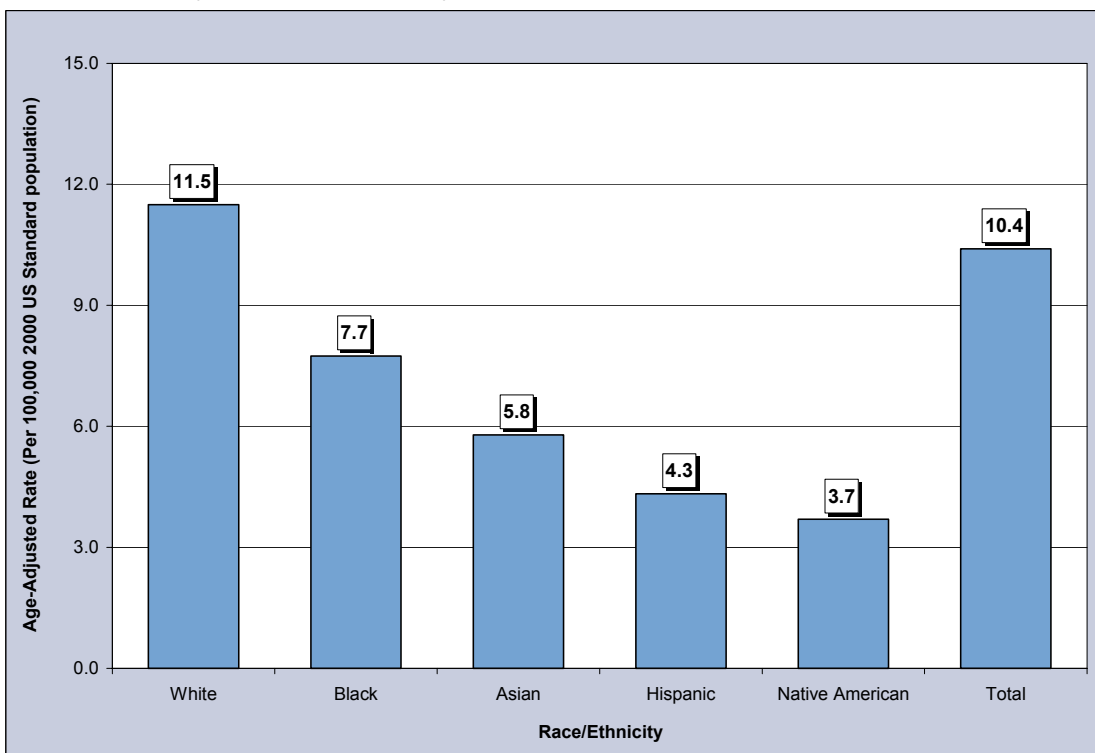


Table 213. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	921	593	180	147	1	18,648
Rate*	10.4	10.1	11.8	10.3	---	11.0
95% C.I.	(9.7-11.1)	(9.3-11.0)	(10.1-13.8)	(8.6-12.1)	---	(10.9-11.2)
Gender						
Male	625	393	125	107	0	12,431
Rate*	14.5	14.0	16.4	15.0	---	16.4
95% C.I.	(13.3-15.8)	(12.5-15.7)	(13.6-19.9)	(12.2-18.5)	---	(16.1-16.7)
Female	296	200	55	40	1	6,217
Rate*	6.6	6.7	7.2	5.6	---	6.7
95% C.I.	(5.9-7.4)	(5.8-7.7)	(5.4-9.4)	(4.0-7.7)	---	(6.5-6.8)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	829	522	162	144	1	14,911
Rate*	11.5	11.3	12.3	11.2	---	10.9
95% C.I.	(10.7-12.3)	(10.4-12.4)	(10.5-14.4)	(9.4-13.3)	---	(10.7-11.1)
Black	33	32	1	0	0	1,942
Rate*	7.7	8.2	---	---	---	12.8
95% C.I.	(5.2-11.6)	(5.4-12.5)	---	---	---	(12.3-13.4)
Native American	3	0	3	0	0	48
Rate*	---	---	---	---	---	4.0
95% C.I.	---	---	---	---	---	(2.9-2.9)
Asian	18	13	5	0	0	1,537
Rate*	5.8	6.0	---	---	---	9.2
95% C.I.	(2.7-12.8)	(2.3-15.2)	---	---	---	(8.7-9.7)
Hispanic	30	19	8	3	0	1,148
Rate*	4.3	3.7	---	---	---	6.3
95% C.I.	(2.7-7.1)	(2.0-7.1)	---	---	---	(5.9-6.7)
Other/Unknown	8	7	1	0	0	210

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

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

Table 214. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	921	593	180	147	1	18,648
Rate*	9.9	9.4	11.0	10.7	---	10.1
95% C.I.	(9.3-10.5)	(8.7-10.2)	(9.4-12.6)	(9.0-12.5)	---	(9.9-10.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	8
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	3	3	0	0	0	50
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	5	2	2	1	0	148
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.7)
25-34	16	7	3	6	0	494
Rate*	1.1	---	---	---	---	1.7
95% C.I.	(0.6-1.7)	---	---	---	---	(1.5-1.8)
35-44	63	42	12	9	0	1,503
Rate*	4.2	4.2	4.3	---	---	4.8
95% C.I.	(3.2-5.3)	(3.0-5.5)	(1.9-6.8)	---	---	(4.6-5.1)
45-54	175	104	39	32	0	3,388
Rate*	14.5	13.1	17.4	16.6	---	14.8
95% C.I.	(12.3-16.6)	(10.6-15.7)	(11.9-22.8)	(10.9-22.4)	---	(14.3-15.3)
55-64	271	179	53	39	0	4,100
Rate*	31.5	30.8	37.5	28.3	---	29.3
95% C.I.	(27.7-35.2)	(26.3-35.3)	(27.4-47.6)	(19.4-37.1)	---	(28.4-30.2)
65-74	252	167	44	40	1	4,785
Rate*	40.7	40.3	43.6	38.3	---	41.5
95% C.I.	(35.6-45.7)	(34.2-46.4)	(30.7-56.5)	(26.4-50.1)	---	(40.3-42.7)
75-84	108	72	21	15	0	3,177
Rate*	33.0	33.3	38.2	26.6	---	43.7
95% C.I.	(26.7-39.2)	(25.6-41.0)	(21.8-54.5)	(13.1-40.0)	---	(42.2-45.2)
85+	28	17	6	5	0	992
Rate*	39.7	39.7	---	---	---	40.0
95% C.I.	(25.0-54.5)	(20.8-58.5)	---	---	---	(37.5-42.5)
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 215. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	34	13.9	(9.2-18.5)	12.3	(8.5-17.4)
Churchill	20	17.0	(9.5-24.4)	17.8	(10.8-28.1)
Clark	593	9.4	(8.7-10.2)	10.1	(9.3-11.0)
Douglas	21	10.5	(6.0-15.0)	8.2	(5.1-13.5)
Elko	10	4.4	(1.7-7.1)	6.9	(2.9-14.9)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	5	---	---	---	---
Lander	3	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	23	14.2	(8.4-20.0)	12.1	(7.6-18.9)
Mineral	4	---	---	---	---
Nye	20	13.5	(7.6-19.4)	10.6	(6.2-18.2)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	180	11.0	(9.4-12.6)	11.8	(10.1-13.8)
White Pine	4	---	---	---	---
Unknown	1	---	---	---	---
Total	921	9.9	(9.3-10.5)	10.4	(9.7-11.1)

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

Table 216. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	567	262	0	829
	Rate*	15.9	7.2	---	11.5
	95% C.I.	(14.6-17.4)	(6.3-8.1)	---	(10.7-12.3)
Black	Incidence	21	12	0	33
	Rate*	11.3	5.3	---	7.7
	95% C.I.	(6.2-21.2)	(2.7-10.1)	---	(5.2-11.6)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	14	4	0	18
	Rate*	11.3	---	---	5.8
	95% C.I.	(4.7-27.2)	---	---	(2.7-12.8)
Hispanic	Incidence	16	14	0	30
	Rate*	5.1	3.7	---	4.3
	95% C.I.	(2.6-11.7)	(1.8-7.6)	---	(2.7-7.1)
Other/Unknown		5	3	0	8
Total	Incidence	625	296	0	921
	Rate*	14.5	6.6	---	10.4
	95% C.I.	(13.3-15.8)	(5.9-7.4)	---	(9.7-11.1)

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

Table 217. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

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	2	1	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	4	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	6	0	16
Rate*	1.3	---	---	1.1
95% C.I.	(0.5-2.2)	---	---	(0.6-1.7)
35-44	41	22	0	63
Rate*	5.3	3.0	---	4.2
95% C.I.	(3.7-6.9)	(1.8-4.3)	---	(3.2-5.3)
45-54	132	43	0	175
Rate*	21.6	7.2	---	14.5
95% C.I.	(17.9-25.2)	(5.1-9.4)	---	(12.3-16.6)
55-64	209	62	0	271
Rate*	48.7	14.3	---	31.5
95% C.I.	(42.1-55.4)	(10.8-17.9)	---	(27.7-35.2)
65-74	155	97	0	252
Rate*	50.7	30.9	---	40.7
95% C.I.	(42.7-58.7)	(24.7-37.0)	---	(35.6-45.7)
75-84	59	49	0	108
Rate*	40.0	27.2	---	33.0
95% C.I.	(29.8-50.2)	(19.6-34.8)	---	(26.7-39.2)
85+	16	12	0	28
Rate*	70.6	25.1	---	39.7
95% C.I.	(36.0-105.1)	(10.9-39.3)	---	(25.0-54.5)
Unknown	0	0	0	0
Total	625	296	0	921
Rate*	13.2	6.5	---	9.9
95% C.I.	(12.2-14.2)	(5.7-7.2)	---	(9.3-10.5)

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

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

Table 218. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

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	1	1	0	1	3
	Percent	---	33.3%	33.3%	---	33.3%	100.0%
15-24	Number	0	2	2	1	0	5
	Percent	---	40.0%	40.0%	20.0%	---	100.0%
25-34	Number	0	7	4	3	2	16
	Percent	---	43.8%	25.0%	18.8%	12.5%	100.0%
35-44	Number	0	26	25	4	8	63
	Percent	---	41.3%	39.7%	6.3%	12.7%	100.0%
45-54	Number	0	46	78	16	35	175
	Percent	---	26.3%	44.6%	9.1%	20.0%	100.0%
55-64	Number	0	74	107	35	55	271
	Percent	---	27.3%	39.5%	12.9%	20.3%	100.0%
65-74	Number	0	97	90	15	50	252
	Percent	---	38.5%	35.7%	6.0%	19.8%	100.0%
75-84	Number	0	36	30	12	30	108
	Percent	---	33.3%	27.8%	11.1%	27.8%	100.0%
85+	Number	0	7	9	2	10	28
	Percent	---	25.0%	32.1%	7.1%	35.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	296	346	88	191	921
	Percent	---	32.1%	37.6%	9.6%	20.7%	100.0%

Table 219. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

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	270	5	1	3	13	4	296
	Percent	32.6%	15.2%	33.3%	16.7%	43.3%	50.0%	32.1%
Regional	Number	311	15	1	8	10	1	346
	Percent	37.5%	45.5%	33.3%	44.4%	33.3%	12.5%	37.6%
Distant	Number	76	4	1	4	3	0	88
	Percent	9.2%	12.1%	33.3%	22.2%	10.0%	---	9.6%
Unstaged	Number	172	9	0	3	4	3	191
	Percent	20.7%	27.3%	---	16.7%	13.3%	37.5%	20.7%
Total	Number	829	33	3	18	30	8	921
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

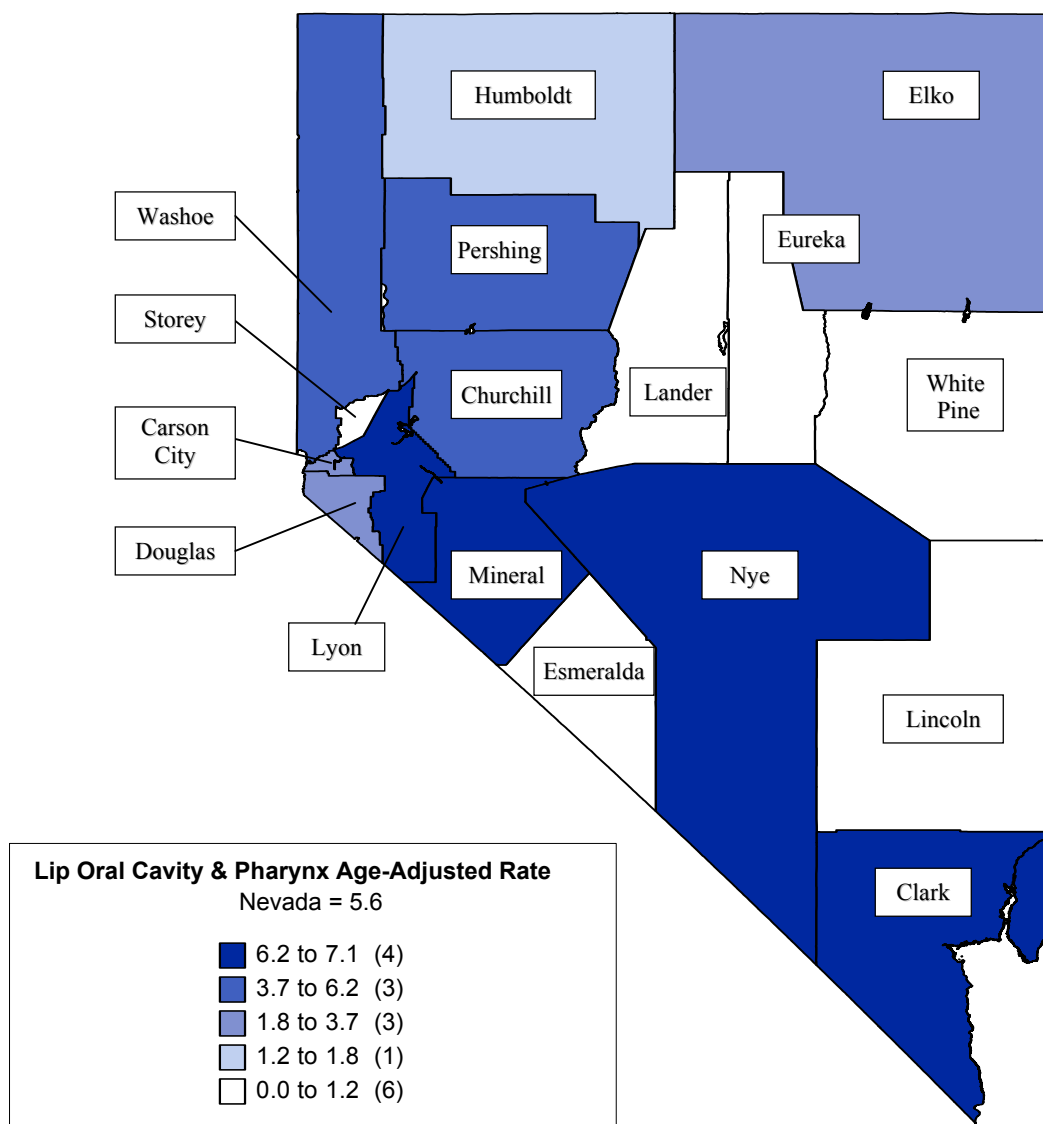
Table 220. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	567	61.0	262	66.0	829	62.0
Black	21	57.0	12	63.5	33	58.0
Native American	2	---	1	---	3	---
Asian	14	59.0	4	---	18	54.5
Hispanic	16	60.5	14	49.5	30	59.0
Other/Unknown	5	62.0	3	---	8	61.5
Total	625	60.0	296	65.5	921	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 144. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



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

Figure 145. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

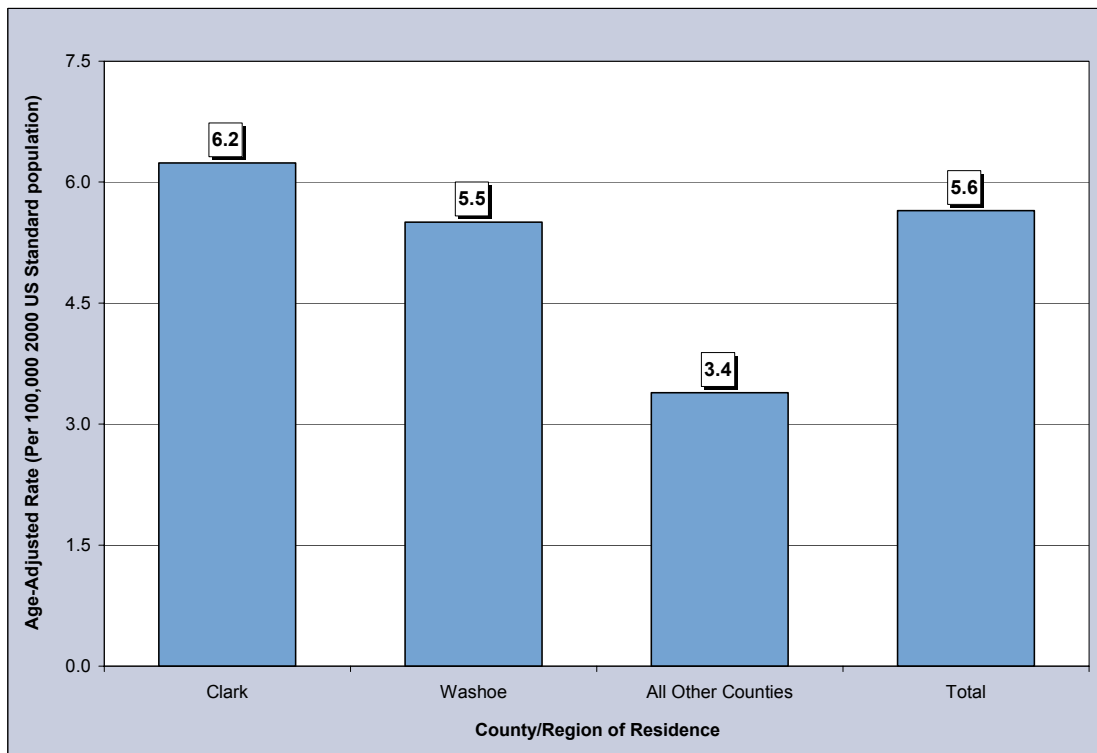


Figure 146. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

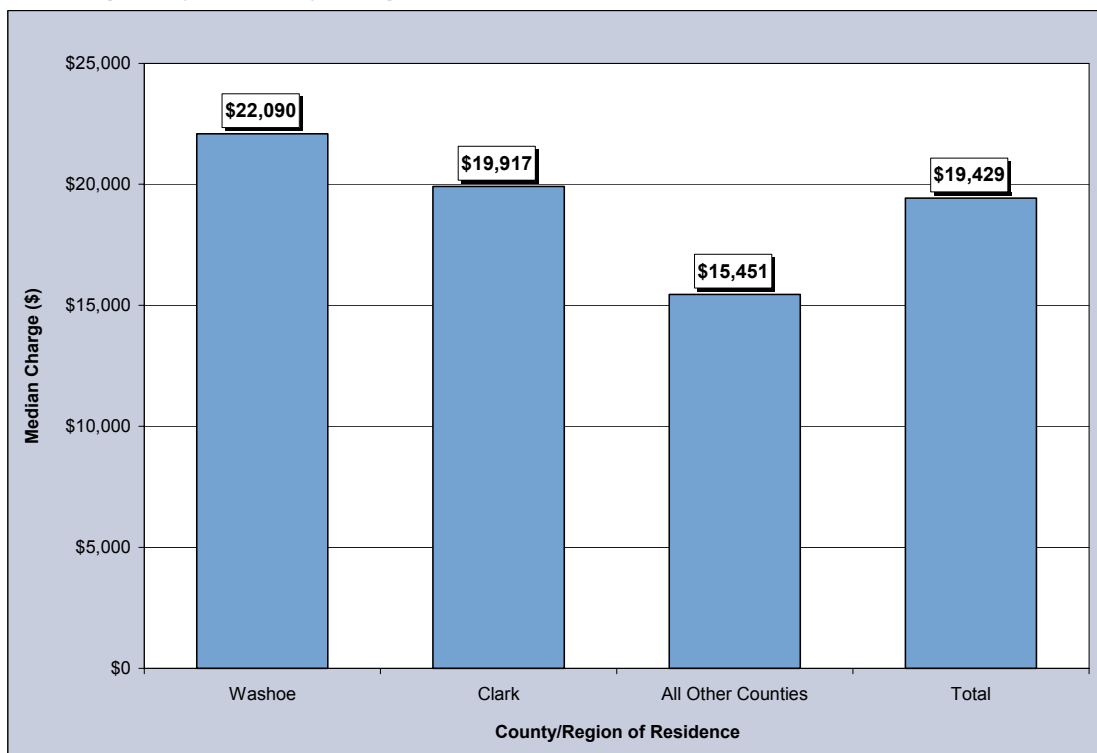


Figure 147. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

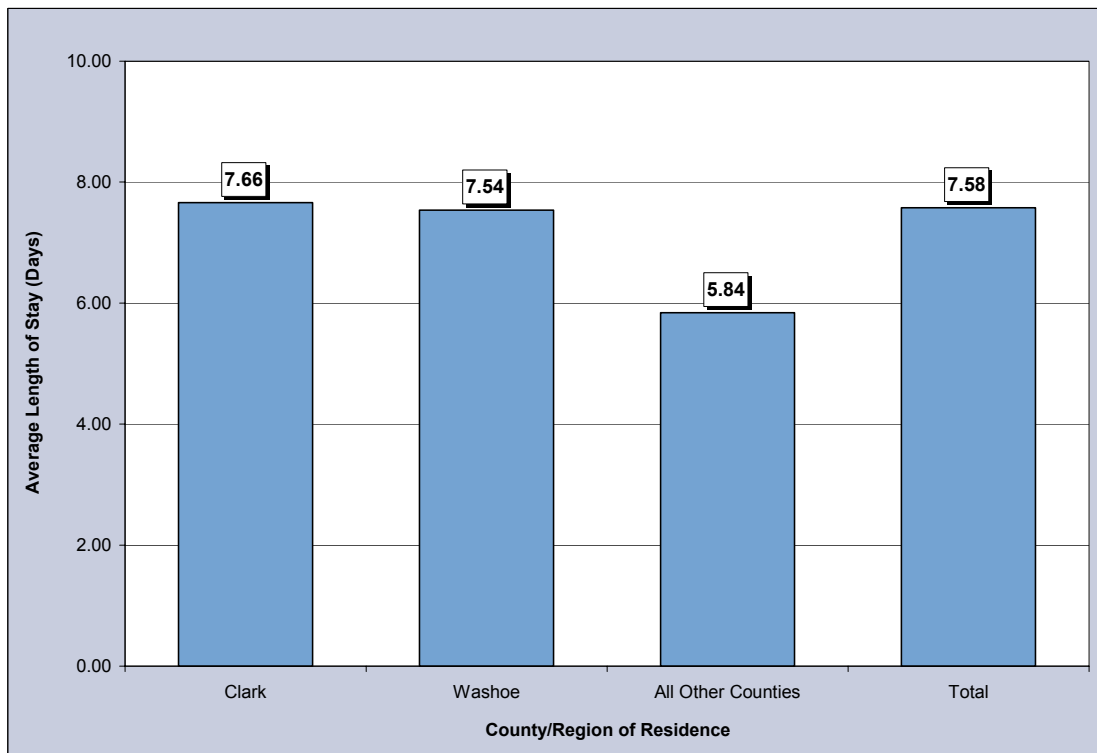


Table 221. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	505	370	84	50	1
Rate*	5.6	6.2	5.5	3.4	---
95% C.I.	(5.2-6.2)	(5.6-6.9)	(4.4-6.9)	(2.5-4.6)	---
Gender					
Male	332	241	55	35	1
Rate*	7.6	8.4	7.1	5.0	---
95% C.I.	(6.8-8.6)	(7.3-9.7)	(5.3-9.6)	(3.4-7.3)	---
Female	173	129	29	15	0
Rate*	3.8	4.3	3.8	2.0	---
95% C.I.	(3.3-4.4)	(3.6-5.1)	(2.5-5.5)	(1.1-3.4)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$17,063,904	\$12,358,596	\$2,692,616	\$1,446,305	\$566,387
Average Charges	\$33,790	\$33,402	\$32,055	\$28,926	\$566,387
Median Charges	\$19,429	\$19,917	\$22,090	\$15,451	\$566,387
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,826	2,835	633	292	66
Average LOS	7.6	7.7	7.5	5.8	66.0
Median LOS	4.0	4.0	5.0	3.5	66.0

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

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

Table 222. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	505	370	84	50	1
Rate*	5.4	5.9	5.1	3.6	---
95% C.I.	(5.0-5.9)	(5.3-6.5)	(4.0-6.2)	(2.6-4.7)	---
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	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	3	3	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	29	23	4	2	0
Rate*	1.9	2.3	---	---	---
95% C.I.	(1.2-2.6)	(1.4-3.3)	---	---	---
45-54	98	71	19	8	0
Rate*	8.1	9.0	8.5	---	---
95% C.I.	(6.5-9.7)	(6.9-11.0)	(4.7-12.3)	---	---
55-64	154	113	22	18	1
Rate*	17.9	19.4	15.6	12.7	---
95% C.I.	(15.1-20.7)	(15.9-23.0)	(9.1-22.1)	(6.8-18.6)	---
65-74	156	112	27	17	0
Rate*	25.2	27.0	26.8	16.9	---
95% C.I.	(21.2-29.1)	(22.0-32.0)	(16.7-36.9)	(8.8-24.9)	---
75-84	52	38	11	3	0
Rate*	15.9	17.6	20.0	---	---
95% C.I.	(11.6-20.2)	(12.0-23.2)	(8.2-31.8)	---	---
85+	12	9	1	2	0
Rate*	17.0	---	---	---	---
95% C.I.	(7.4-26.7)	---	---	---	---
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 223. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
35-44	21	8	29
Rate*	2.7	---	1.9
95% C.I.	(1.6-3.9)	---	(1.2-2.6)
45-54	77	21	98
Rate*	12.6	3.5	8.1
95% C.I.	(9.8-15.4)	(2.0-5.0)	(6.5-9.7)
55-64	117	37	154
Rate*	27.3	8.6	17.9
95% C.I.	(22.3-32.2)	(5.8-11.3)	(15.1-20.7)
65-74	86	70	156
Rate*	28.1	22.3	25.2
95% C.I.	(22.2-34.1)	(17.1-27.5)	(21.2-29.1)
75-84	22	30	52
Rate*	14.9	16.6	15.9
95% C.I.	(8.7-21.2)	(10.7-22.6)	(11.6-20.2)
85+	8	4	12
Rate*	---	---	17.0
95% C.I.	---	---	(7.4-26.7)
Unknown	0	0	0
Total	332	173	505
Rate*	7.0	3.8	5.4
95% C.I.	(6.3-7.8)	(3.2-4.3)	(5.0-5.9)

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

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

Table 224. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	4	---	---	---	---
Clark	370	5.9	(5.3-6.5)	6.2	(5.6-6.9)
Douglas	5	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	1	---	---	---	---
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	13	8.0	(3.7-12.4)	6.5	(3.4-11.9)
Mineral	2	---	---	---	---
Nye	13	8.8	(4.0-13.5)	7.1	(3.5-14.0)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	84	5.1	(4.0-6.2)	5.5	(4.4-6.9)
White Pine	0	---	---	---	---
Unknown	1	---	---	---	---
Total	505	5.4	(5.0-5.9)	5.6	(5.2-6.2)

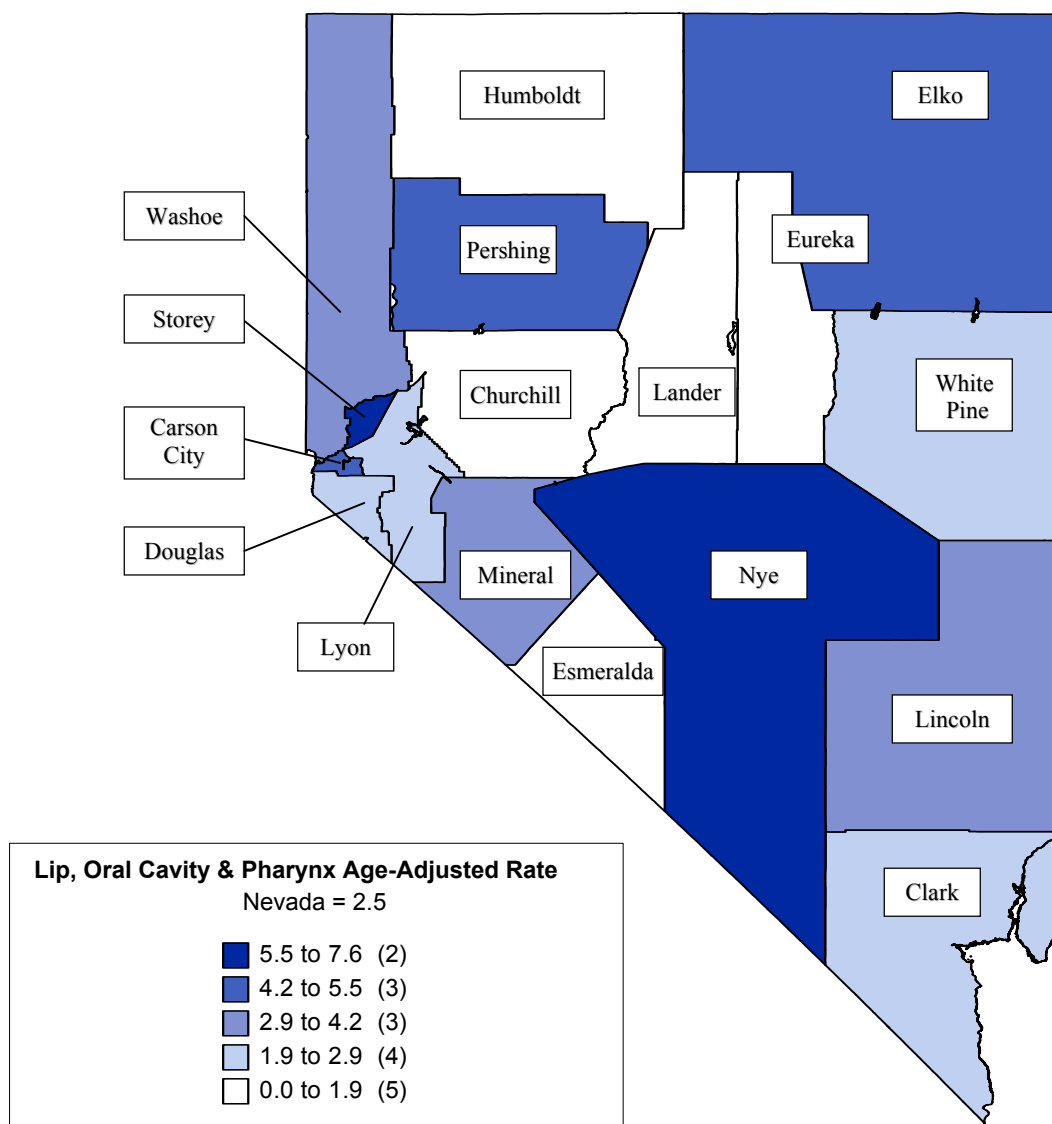
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 225. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	1	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	3	---	---	---	---	---	---
35-44	29	712,962	24,585	16,824	132	4.6	3.0
45-54	98	3,147,401	32,116	21,083	710	7.2	4.5
55-64	154	6,393,399	41,516	21,721	1,570	10.2	5.0
65-74	156	4,865,737	31,191	19,028	993	6.4	4.0
75-84	52	1,399,378	26,911	16,386	304	5.8	3.0
85+	12	322,482	26,874	21,204	69	5.8	4.5
Unknown	0	---	---	---	---	---	---
Total	505	17,063,904	33,790	19,429	3,826	7.6	4.0

MORTALITY

Figure 148. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



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

Figure 149. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

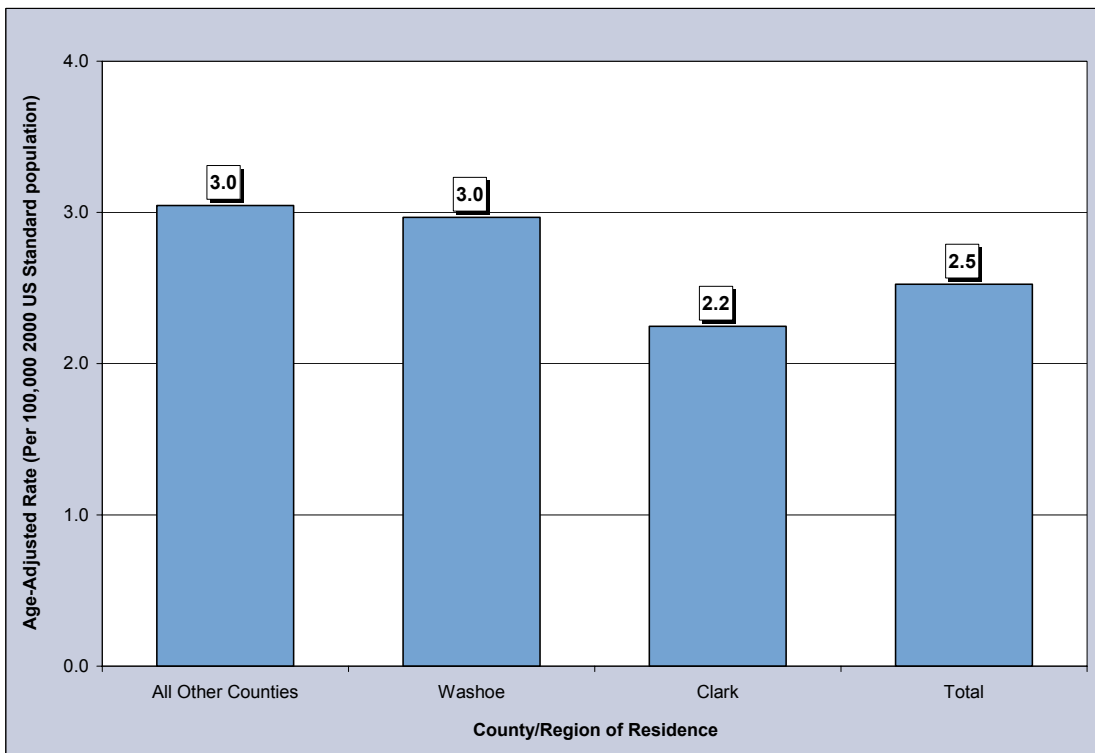


Figure 150. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

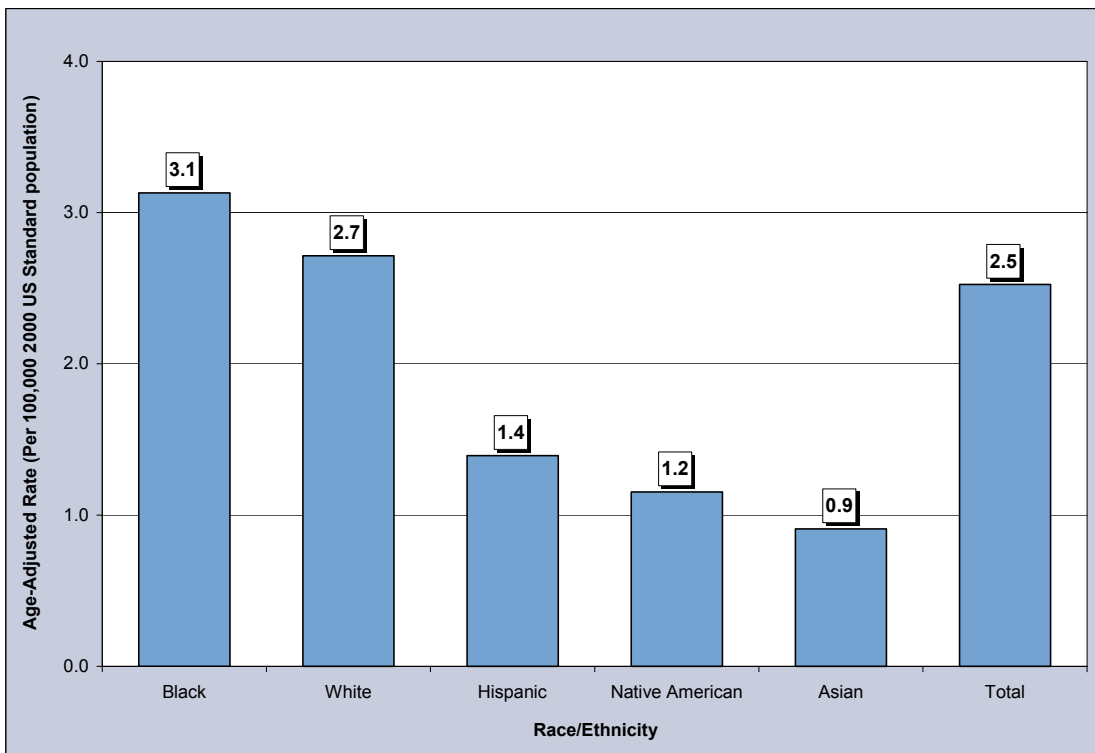


Table 226. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	213	128	42	43
Rate*	2.5	2.2	3.0	3.0
95% C.I.	(2.2-2.9)	(1.9-2.7)	(2.1-4.1)	(2.2-4.2)
Gender				
Male	137	80	23	34
Rate*	3.2	2.9	3.0	4.8
95% C.I.	(2.7-3.9)	(2.2-3.7)	(1.9-5.0)	(3.3-7.0)
Female	76	48	19	9
Rate*	1.8	1.7	2.6	---
95% C.I.	(1.4-2.3)	(1.2-2.2)	(1.6-4.1)	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	191	110	39	42
Rate*	2.7	2.4	3.1	3.2
95% C.I.	(2.3-3.1)	(2.0-2.9)	(2.2-4.4)	(2.3-4.5)
Black	12	11	1	0
Rate*	3.1	3.1	---	---
95% C.I.	(1.6-6.2)	(1.5-6.5)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	6	5	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0

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

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

Table 227. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	213	128	42	43
Rate*	2.3	2.0	2.6	3.1
95% C.I.	(2.0-2.6)	(1.7-2.4)	(1.8-3.3)	(2.2-4.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	6	4	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	28	13	9	6
Rate*	2.3	1.6	---	---
95% C.I.	(1.5-3.2)	(0.7-2.5)	---	---
55-64	51	32	9	10
Rate*	5.9	5.5	---	7.2
95% C.I.	(4.3-7.6)	(3.6-7.4)	---	(2.8-11.7)
65-74	68	40	12	16
Rate*	11.0	9.6	11.9	15.3
95% C.I.	(8.4-13.6)	(6.7-12.6)	(5.2-18.6)	(7.8-22.8)
75-84	47	34	6	7
Rate*	14.3	15.7	---	---
95% C.I.	(10.2-18.4)	(10.4-21.0)	---	---
85+	11	3	5	3
Rate*	15.6	---	---	---
95% C.I.	(6.4-24.8)	---	---	---
Unknown	0	0	0	0

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

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

Table 228. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	12	4.9	(2.1-7.7)	4.4	(2.2-7.9)
Churchill	1	---	---	---	---
Clark	128	2.0	(1.7-2.4)	2.2	(1.9-2.7)
Douglas	6	---	---	---	---
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	0	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	4	---	---	---	---
Mineral	1	---	---	---	---
Nye	10	6.7	(2.6-10.9)	5.6	(2.4-12.2)
Pershing	1	---	---	---	---
Storey	2	---	---	---	---
Washoe	42	2.6	(1.8-3.3)	3.0	(2.1-4.1)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	213	2.3	(2.0-2.6)	2.5	(2.2-2.9)

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

Table 229. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	126	65	191
	Rate*	3.5	1.9	2.7
	95% C.I.	(2.9-4.3)	(1.4-2.4)	(2.3-3.1)
Black	Mortality	6	6	12
	Rate*	---	---	3.1
	95% C.I.	---	---	(1.6-6.2)
Native American	Mortality	0	1	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	2	1	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	3	3	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown	Mortality	0	0	0
Total	Mortality	137	76	213
	Rate*	3.2	1.8	2.5
	95% C.I.	(2.7-3.9)	(1.4-2.3)	(2.2-2.9)

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 230. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	2	4	6
Rate*	---	---	---
95% C.I.	---	---	---
45-54	20	8	28
Rate*	3.3	---	2.3
95% C.I.	(1.8-4.7)	---	(1.5-3.2)
55-64	40	11	51
Rate*	9.3	2.5	5.9
95% C.I.	(6.4-12.2)	(1.0-4.1)	(4.3-7.6)
65-74	48	20	68
Rate*	15.7	6.4	11.0
95% C.I.	(11.3-20.1)	(3.6-9.2)	(8.4-13.6)
75-84	25	22	47
Rate*	17.0	12.2	14.3
95% C.I.	(10.3-23.6)	(7.1-17.3)	(10.2-18.4)
85+	2	9	11
Rate*	---	---	15.6
95% C.I.	---	---	(6.4-24.8)
Unknown	0	0	0
Total	137	76	213
Rate*	2.9	1.7	2.3
95% C.I.	(2.4-3.4)	(1.3-2.0)	(2.0-2.6)

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

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

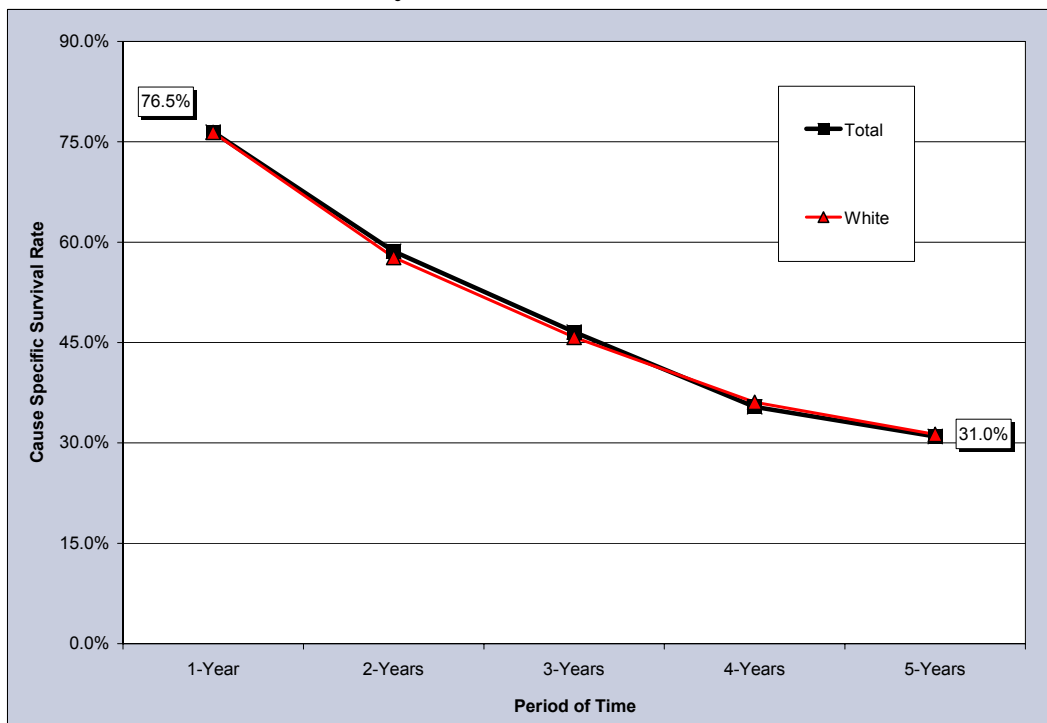
Table 231. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	126	66.0	65	72.0	191	67.0
Black	6	57.0	6	69.0	12	66.0
Native American	0	---	1	---	1	---
Asian	2	---	1	---	3	---
Hispanic	3	---	3	---	6	73.5
Other/Unknown	0	---	0	---	0	---
Total	137	65.0	76	72.0	213	67.0

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

SURVIVAL RATE

Figure 151. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



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

Figure 152. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

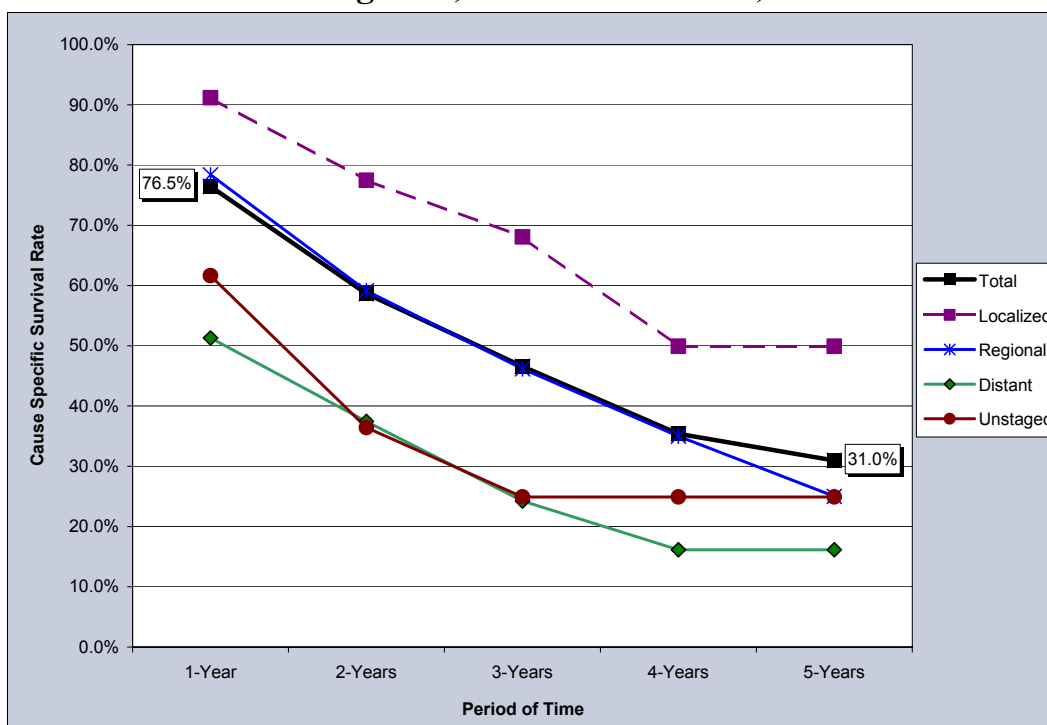


Table 232. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

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	597	76.5%	58.6%	46.6%	35.4%	31.0%	2.72
Male	413	76.1%	57.8%	45.6%	33.6%	33.6%	2.64
Female	184	77.2%	60.4%	48.8%	39.9%	28.5%	2.89
Race/Ethnicity							
White	532	76.4%	57.7%	45.8%	36.1%	31.3%	2.65
Male	372	75.4%	56.8%	45.4%	34.0%	34.0%	2.60
Female	160	78.6%	59.7%	46.7%	41.5%	29.6%	2.74
Black	23	---	---	---	---	---	---
Male	16	---	---	---	---	---	---
Female	7	---	---	---	---	---	---
Native American	1	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	11	---	---	---	---	---	---
Male	8	---	---	---	---	---	---
Female	3	---	---	---	---	---	---
Hispanic	22	---	---	---	---	---	---
Male	12	---	---	---	---	---	---
Female	10	---	---	---	---	---	---

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

Table 233. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	597	413	184
	One Year	76.5%	76.1%	77.2%
	5 Years	31.0%	33.6%	28.5%
	Median Survival	2.72	2.64	2.89
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	200	120	80
	One Year	91.2%	89.8%	93.3%
	5 Years	49.9%	39.4%	67.5%
	Median Survival	4.00	3.51	>5 years
Regional	Cases	236	173	63
	One Year	78.4%	78.4%	78.2%
	5 Years	25.0%	36.1%	0.0%
	Median Survival	2.71	3.04	2.35
Distant	Cases	66	56	10
	One Year	51.3%	52.6%	44.4%
	5 Years	16.1%	23.7%	0.0%
	Median Survival	1.09	1.20	0.90
Unstaged	Cases	95	64	31
	One Year	61.6%	68.1%	50.0%
	5 Years	24.9%	28.4%	21.4%
	Median Survival	1.46	1.80	1.00

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.