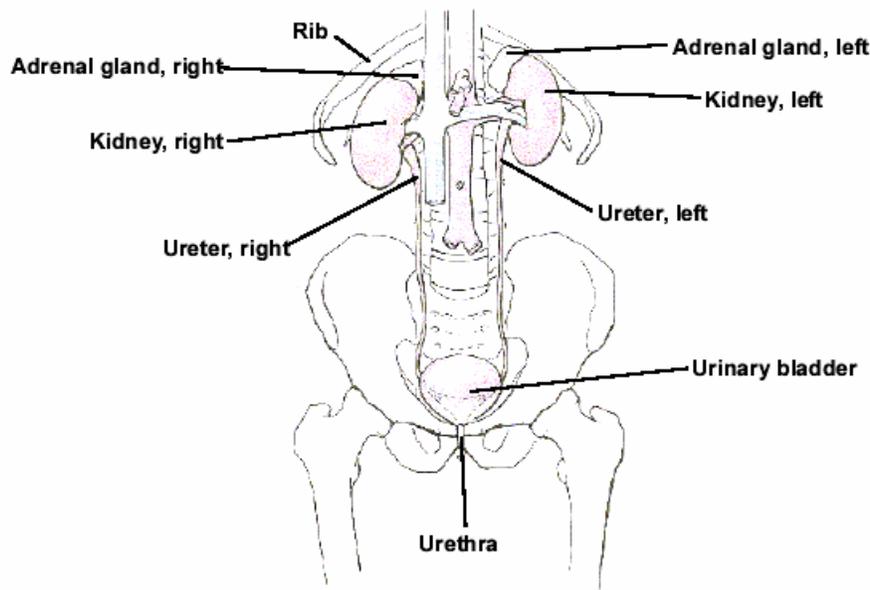


URINARY BLADDER CANCER

URINARY BLADDER CANCER

GENERAL PROFILE⁴

Figure 88. Anatomy of the Urinary System⁵



General Anatomy: The bladder is a hollow organ in the lower abdomen. It stores urine, the liquid waste produced by the kidneys. Urine passes from each kidney into the bladder through a tube called a ureter. An outer layer of muscle surrounds the inner lining of the bladder. When the bladder is full, the muscles in the bladder wall can tighten to allow urination. Urine leaves the bladder through another tube, the urethra.

Risk Factors: Age, tobacco use, occupation (due to amount of carcinogens in the workplace), infection, treatment with cyclophosphamide or arsenic, race, being a man, family history, and personal history with Bladder Cancer.

Signs and Symptoms: Blood in the urine (making the urine slightly rusty to deep red), pain during urination, and frequent urination, or feeling the need to urinate without results.

Diagnosing the Cancer: Physical exams, urine tests, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: surgery (Transurethral resection, Radical cystectomy, and Segmental cystectomy), radiation therapy (internal or external), chemotherapy, and biological therapy.

HIGHLIGHTS

- Nevadan males had a higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 4.94 while the ratio for females was 4.46. This means that for every 100 deaths due to Urinary Bladder Cancer there would be 494 male cases and 446 female cases.
- The median age at diagnosis of Urinary Bladder Cancer for Nevada residents was 71 years of age for the 1999 to 2003 time period. However, the median age at time of death due to Urinary Bladder Cancer was 75 years for Nevada overall, 76 years for females and 75 years of age for males.

INCIDENCE

- There were 2,444 cases of Urinary Bladder Cancer reported in Nevada from 1999 to 2003. Nevada's age-adjusted incidence rate, 25.7 (24.6-26.7), for Urinary Bladder Cancer showed statistical significance over the national rate of 20.4 (20.2-20.6, per 100,000 – 2000 US Standard population).
- While there was little regional variation between All Other Counties (26.8), Washoe County (25.5), and Clark County (25.4) in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for males, 43.4, was nearly four times as the rate for Nevada females, 11.0, (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 41.3 million dollars from 1999 to 2003. Nevadans in the 65-74 and 75-84 age groups accounted for 66.5% of the total inpatient discharges and 69.0% of the total billed charges during this period. The overall daily billed amount for these discharges was just under \$5,787 in Nevada during this period.
- There were 1,067 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1999 to 2003. Clark County had the highest age-adjusted inpatient discharge rate, 12.3, for Urinary Bladder Cancer in Nevada, and was followed by Washoe County (9.9) and All Other Counties (8.8) during the 1999 to 2003 period.
- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer was (\$21,260) from 1999 to 2003. Washoe County had the highest median total billed charge (\$24,006) when compared to the billed amounts for Clark County and All Other Counties of (\$20,892) and (\$19,679).

MORTALITY

- There were 449 resident deaths due to Urinary Bladder Cancer from 1999 to 2003. Regional comparisons were fairly similar between Clark, All Other Counties, as a region,

and Washoe County with rates of 5.4, 4.8 and 4.6 (per 100,000 – 2000 US Standard population), respectively.

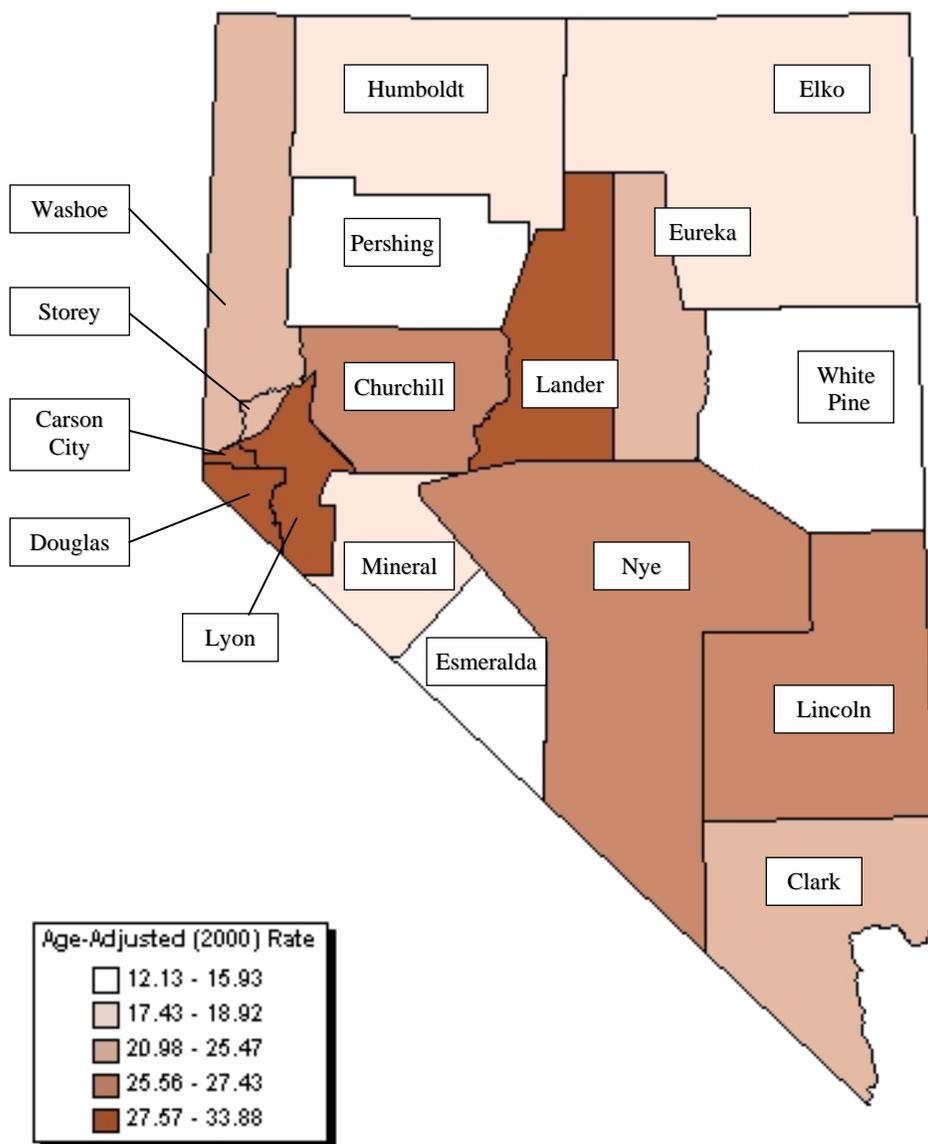
- Nevadan males had a statistically significant higher age-adjusted mortality rate, 8.8 (7.8-9.9), for Urinary Bladder Cancer that was more than three times the female mortality rate of 2.5 (2.0-3.0) (per 100,000 – 2000 US Standard population) for the 1999 to 2003 period.

SURVIVAL RATE

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1999 to 2003 period, with rates of 88.0% and 83.0%, respectively, and remained at approximately the same ratio at the five-year rate where males had a rate of 74.3% and females had a rate of 70.8%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 99.4%, with those at the localized stage at 90.0%, and those recorded at the regional, distant and unstaged stages had rates of 66.9%, 20.3% and 76.9%, respectively.
- The Median Survival time for those diagnosed at the in situ, localized and unstaged stages was over five years, while those diagnosed at the regional and distant levels had median survival times of 1.87 and 0.63 years, respectively.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



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

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

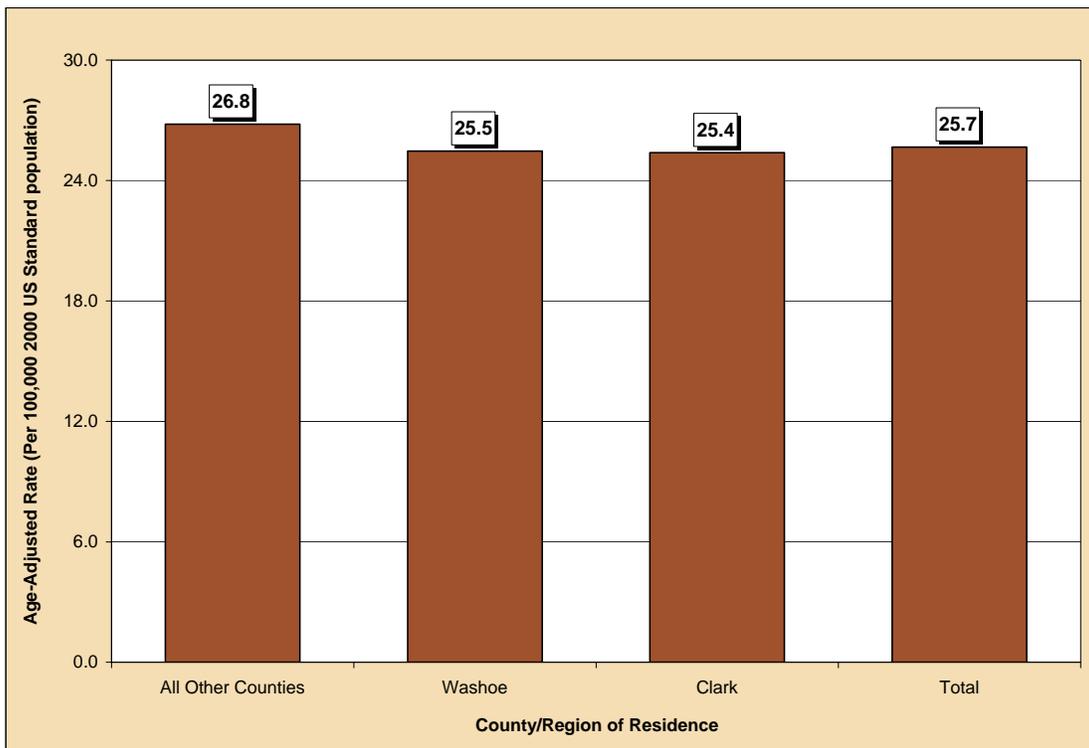


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

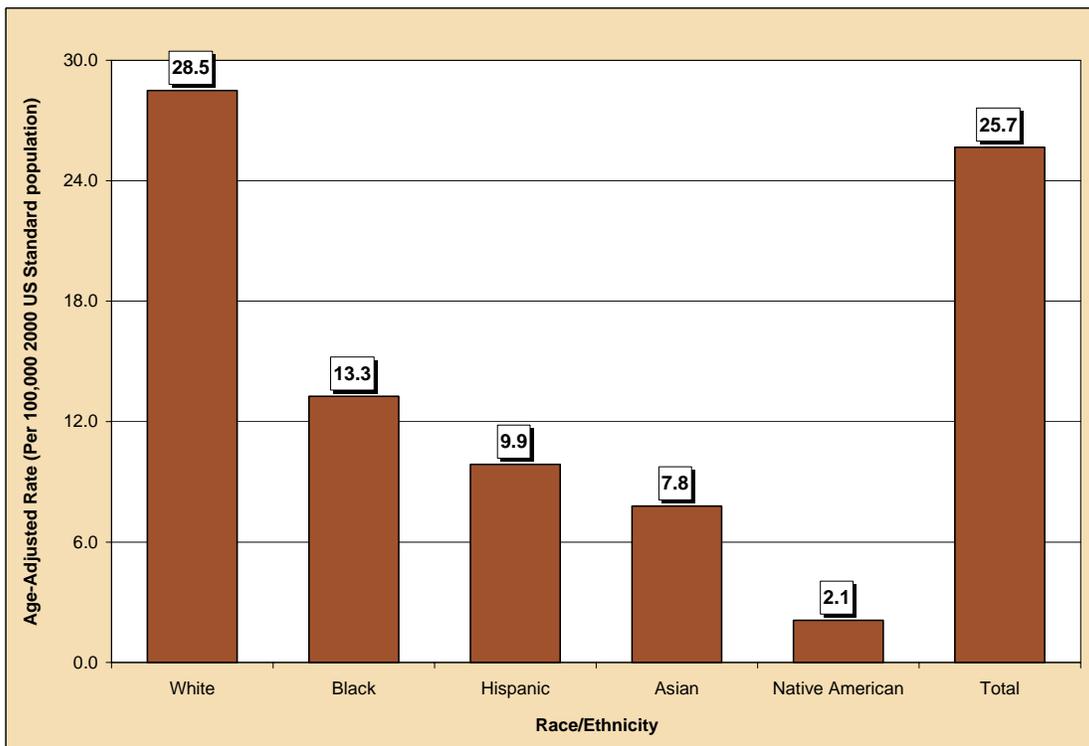


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					SEER 13 (1998-2002)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	2,444	1,650	384	410	0	35,375
Rate*	25.7	25.7	25.7	25.7	---	20.4
95% C.I.	(24.6-26.7)	(24.6-26.7)	(24.6-26.7)	(24.6-26.7)	---	(20.2-20.6)
Gender						
Male	1,893	1,893	1,893	1,893	0	25,824
Rate*	43.4	43.4	43.4	43.4	---	36.2
95% C.I.	(41.3-45.6)	(41.3-45.6)	(41.3-45.6)	(41.3-45.6)	---	(35.7-36.6)
Female	551	551	551	551	0	8,912
Rate*	11.0	11.0	11.0	11.0	---	9.1
95% C.I.	(10.1-11.9)	(10.1-11.9)	(10.1-11.9)	(10.1-11.9)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	2,259	1,489	369	401	0	31,167
Rate*	28.5	28.5	28.5	28.5	---	22.5
95% C.I.	(27.3-29.7)	(27.3-29.7)	(27.3-29.7)	(27.3-29.7)	---	(22.2-22.7)
Black	61	58	1	2	0	1,678
Rate*	13.3	13.3	---	---	---	12.6
95% C.I.	(10.0-17.6)	(10.0-17.6)	---	---	---	(12.0-13.2)
Native American	3	2	1	0	0	79
Rate*	---	---	---	---	---	5.6
95% C.I.	---	---	---	---	---	(4.4-4.4)
Asian	29	25	4	0	0	1,573
Rate*	7.8	7.8	---	---	---	9.6
95% C.I.	(4.7-13.1)	(4.7-13.1)	---	---	---	(9.2-10.1)
Hispanic	63	51	7	5	0	1,574
Rate*	9.9	9.9	---	---	---	10.5
95% C.I.	(7.2-13.6)	(7.2-13.6)	---	---	---	(10.0-11.1)
Other/Unknown	29	25	2	2	0	269

* 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 130. Urinary Bladder Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					SEER 13 (1998-2002)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	2,444	1,650	384	410	0	35,375
Rate*	25.7	25.4	25.5	26.8	---	20.4
95% C.I.	(24.6-26.7)	(24.1-26.7)	(22.9-28.3)	(24.2-29.6)	---	(20.2-20.6)
Age Group						
<1	2	0	2	0	0	1
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.2)
1-4	0	0	0	0	0	5
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	2	2	0	0	0	42
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	10	8	2	0	0	175
Rate*	0.6	---	---	---	---	0.6
95% C.I.	(0.24-1.04)	---	---	---	---	(0.5-0.7)
35-44	51	28	10	13	0	845
Rate*	3.1	2.4	3.5	5.9	---	2.7
95% C.I.	(2.24-3.93)	(1.53-3.34)	(1.34-5.71)	(2.68-9.05)	---	(2.5-2.9)
45-54	177	123	31	23	0	2,822
Rate*	12.5	12.9	12.3	10.7	---	10.9
95% C.I.	(10.62-14.29)	(10.63-15.20)	(7.94-16.56)	(6.30-15.02)	---	(10.5-11.3)
55-64	458	315	69	74	0	5,932
Rate*	44.5	44.7	42.0	46.6	---	37.7
95% C.I.	(40.45-48.61)	(39.73-49.59)	(32.07-51.88)	(35.99-57.23)	---	(36.7-38.7)
65-74	842	563	130	149	0	10,185
Rate*	122.4	119.5	124.5	132.8	---	92.0
95% C.I.	(114.14-130.68)	(109.61-129.34)	(103.08-145.87)	(111.50-154.16)	---	(90.2-93.8)
75-84	730	518	102	110	0	11,339
Rate*	186.1	195.2	165.9	168.3	---	148.3
95% C.I.	(172.61-199.61)	(178.37-211.99)	(133.69-198.08)	(136.85-199.76)	---	(145.6-151.0)
85+	172	93	38	41	0	4,023
Rate*	195.5	167.2	228.7	260.4	---	150.2
95% C.I.	(166.28-224.71)	(133.22-201.19)	(156.00-301.45)	(180.66-340.05)	---	(145.6-154.9)
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 131. Urinary Bladder Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	102	40.3	(32.49-48.13)	33.9	(27.6-41.3)
Churchill	30	24.4	(15.68-33.15)	25.6	(17.2-37.0)
Clark	1,650	22.5	(21.43-23.60)	25.4	(24.1-26.7)
Douglas	71	33.1	(25.42-40.83)	27.6	(21.3-35.5)
Elko	22	9.7	(5.63-13.71)	17.4	(10.2-28.5)
Esmeralda	1	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	11	13.6	(5.55-21.60)	17.8	(8.6-33.6)
Lander	7	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	68	36.7	(27.96-45.40)	32.8	(25.3-42.0)
Mineral	7	---	---	---	---
Nye	64	37.8	(28.51-47.01)	26.7	(20.2-35.2)
Pershing	4	---	---	---	---
Storey	6	---	---	---	---
Washoe	384	22.0	(19.78-24.18)	25.5	(22.9-28.3)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	2,444	23.3	(22.36-24.20)	25.7	(24.6-26.7)

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 2000 US Standard population.

Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	1,745	514	0	2,259
	Rate*	47.4	12.4	---	28.5
	95% C.I.	(45.1-49.9)	(11.4-13.5)	---	(27.3-29.7)
Black	Incidence	49	12	0	61
	Rate*	25.0	4.5	---	13.3
	95% C.I.	(17.6-35.9)	(2.3-8.1)	---	(10.0-17.6)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	21	8	0	29
	Rate*	15.2	---	---	7.8
	95% C.I.	(8.1-28.3)	---	---	(4.7-13.1)
Hispanic	Incidence	53	10	0	63
	Rate*	17.4	3.6	---	9.9
	95% C.I.	(12.0-25.9)	(1.6-7.6)	---	(7.2-13.6)
Other/Unknown	23	6	0	29	
Total	Incidence	1,893	551	0	2,444
	Rate*	43.4	11.0	---	25.7
	95% C.I.	(41.3-45.6)	(10.1-11.9)	---	(24.6-26.7)

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

Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<1	2	0	0	2
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	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	3	0	10
Rate*	---	---	---	0.64
95% C.I.	---	---	---	(0.24-1.04)
35-44	36	15	0	51
Rate*	4.19	1.88	---	3.08
95% C.I.	(2.82-5.56)	(0.93-2.84)	---	(2.24-3.93)
45-54	137	40	0	177
Rate*	19.02	5.71	---	12.46
95% C.I.	(15.84-22.21)	(3.94-7.48)	---	(10.62-14.29)
55-64	374	84	0	458
Rate*	73.62	16.14	---	44.53
95% C.I.	(66.16-81.08)	(12.69-19.59)	---	(40.45-48.61)
65-74	650	192	0	842
Rate*	191.54	55.10	---	122.41
95% C.I.	(176.81-206.26)	(47.30-62.89)	---	(114.14-130.68)
75-84	561	169	0	730
Rate*	316.48	78.61	---	186.11
95% C.I.	(290.29-342.67)	(66.76-90.46)	---	(172.61-199.61)
85+	125	47	0	172
Rate*	429.79	79.80	---	195.49
95% C.I.	(354.44-505.13)	(56.98-102.61)	---	(166.28-224.71)
Unknown	0	0	0	0
Total	1,893	551	0	2,444
Rate*	35.49	10.67	---	23.28
95% C.I.	(33.89-37.08)	(9.78-11.56)	---	(22.36-24.20)

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

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

Table 134. Urinary Bladder Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	2	0	0	0	2
	Percent	---	100.0%	---	---	---	100.0%
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	2	0	0	0	2
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	6	2	0	1	1	10
	Percent	60.0%	20.0%	---	10.0%	10.0%	100.0%
35-44	Number	18	25	3	1	4	51
	Percent	35.3%	49.0%	5.9%	2.0%	7.8%	100.0%
45-54	Number	86	53	18	10	10	177
	Percent	48.6%	29.9%	10.2%	5.6%	5.6%	100.0%
55-64	Number	168	180	51	25	34	458
	Percent	36.7%	39.3%	11.1%	5.5%	7.4%	100.0%
65-74	Number	320	323	82	35	82	842
	Percent	38.0%	38.4%	9.7%	4.2%	9.7%	100.0%
75-84	Number	262	310	61	21	76	730
	Percent	35.9%	42.5%	8.4%	2.9%	10.4%	100.0%
85+	Number	49	74	16	4	29	172
	Percent	28.5%	43.0%	9.3%	2.3%	16.9%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	909	971	231	97	236	2,444
	Percent	37.2%	39.7%	9.5%	4.0%	9.7%	100.0%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	831	19	2	12	28	17	909
	Percent	36.8%	31.1%	66.7%	41.4%	44.4%	58.6%	37.2%
Localized	Number	910	23	1	8	21	8	971
	Percent	40.3%	37.7%	33.3%	27.6%	33.3%	27.6%	39.7%
Regional	Number	216	8	0	4	3	0	231
	Percent	9.6%	13.1%	---	13.8%	4.8%	---	9.5%
Distant	Number	89	5	0	2	1	0	97
	Percent	3.9%	8.2%	---	6.9%	1.6%	---	4.0%
Unstaged	Number	213	6	0	3	10	4	236
	Percent	9.4%	9.8%	---	10.3%	15.9%	13.8%	9.7%
Total	Number	2,259	61	3	29	63	29	2,444
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

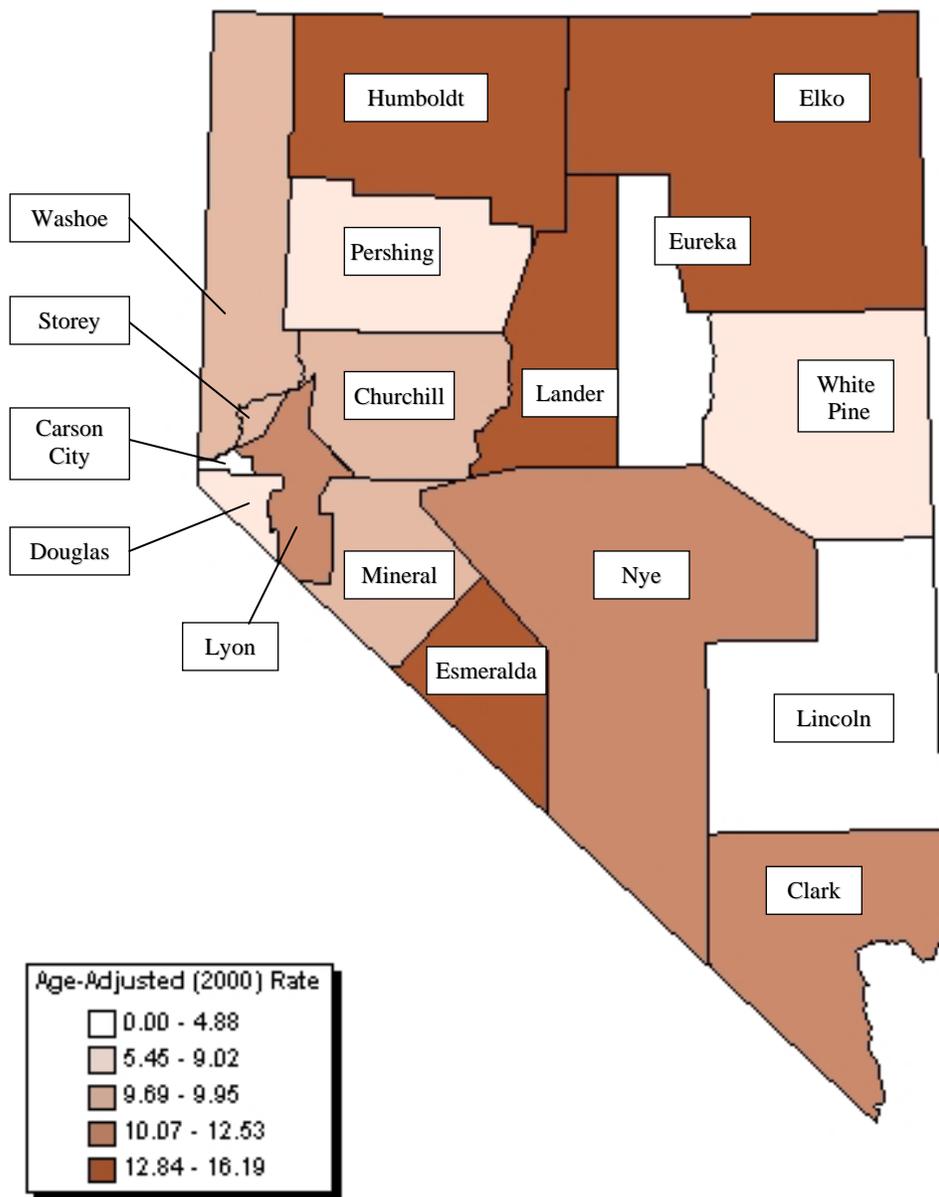
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	1,745	71.0	514	72.0	2,259	71.0
Black	49	69.0	12	66.0	61	68.0
Native American	2	---	1	---	3	---
Asian	21	71.0	8	60.5	29	71.0
Hispanic	53	63.0	10	69.5	63	65.0
Other/Unknown	23	68.0	6	75.0	29	70.0
Total	1,893	71.0	551	71.0	2,444	71.0

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 92. Urinary Bladder Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



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

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

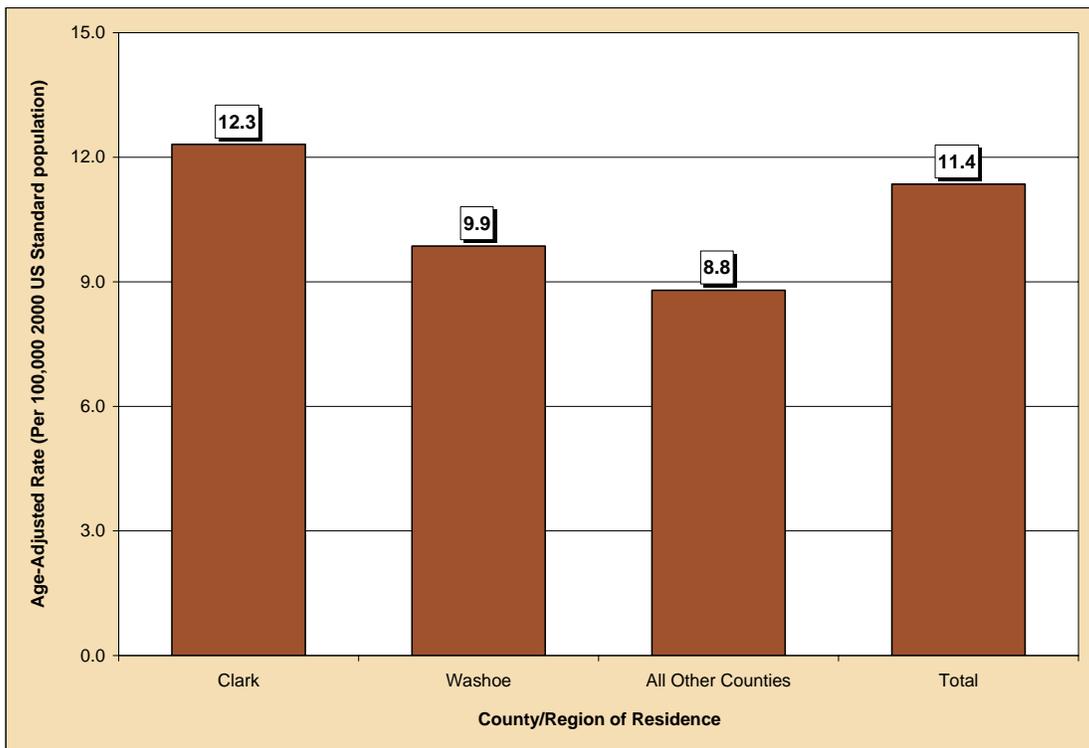


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

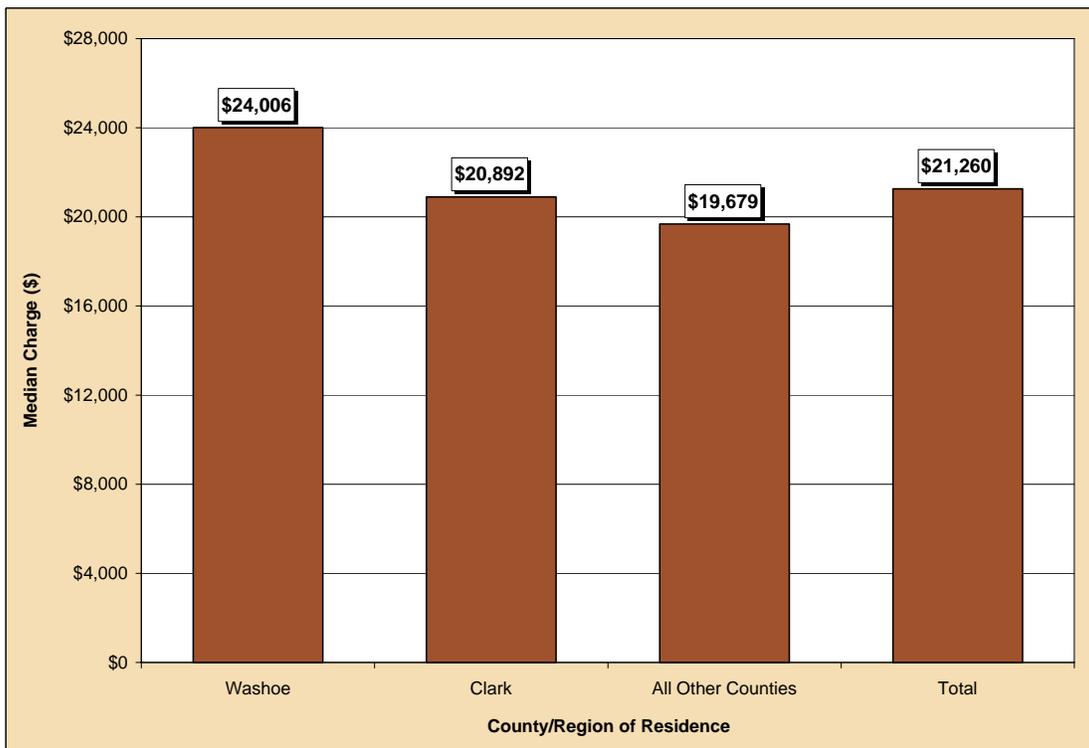


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

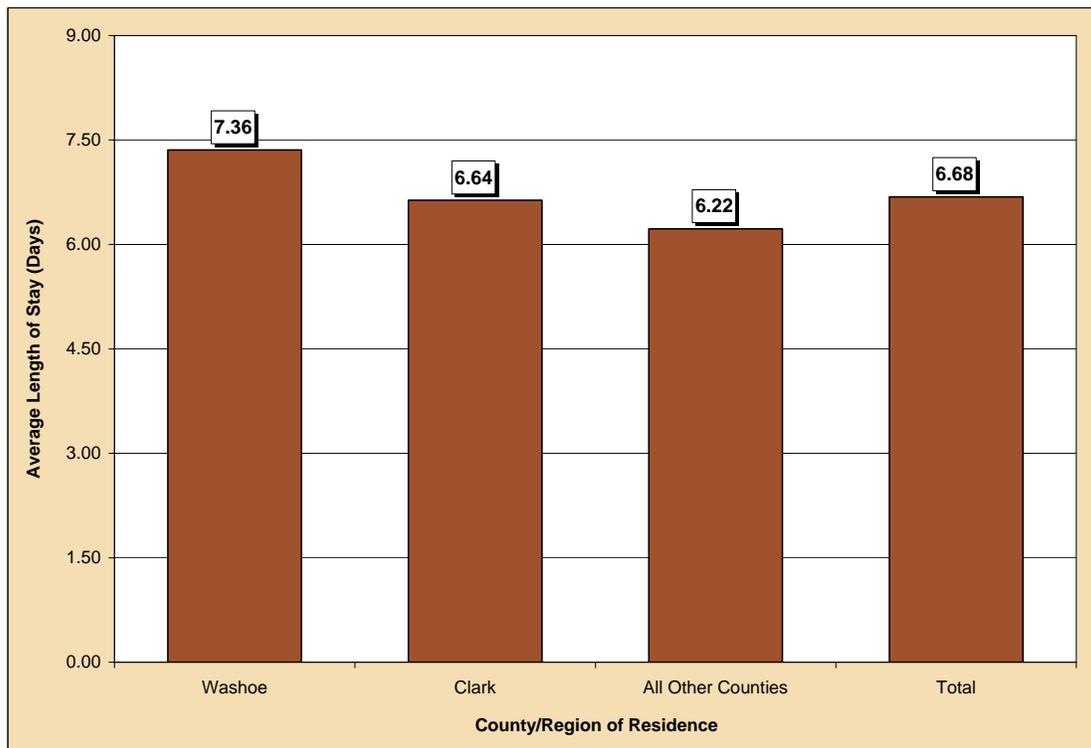


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,067	780	146	139	2
Rate*	11.4	12.3	9.9	8.8	---
95% C.I.	(10.7-12.1)	(11.4-13.2)	(8.3-11.7)	(7.4-10.5)	---
Gender					
Male	829	618	98	111	2
Rate*	19.3	21.5	15.0	14.7	---
95% C.I.	(17.9-20.8)	(19.7-23.5)	(12.1-18.6)	(12.0-18.0)	---
Female	238	162	48	28	0
Rate*	4.8	4.8	6.0	3.4	---
95% C.I.	(4.2-5.5)	(4.1-5.7)	(4.4-7.9)	(2.3-5.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$41,268,505	\$30,271,054	\$6,060,537	\$4,877,060	---
Average Charges	\$38,677	\$38,809	\$41,511	\$35,087	---
Median Charges	\$21,260	\$20,892	\$24,006	\$19,679	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	7,131	5,176	1,074	865	---
Average LOS	6.7	6.6	7.4	6.2	---
Median LOS	4.0	4.0	6.0	4.0	---

* 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 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	1,067	780	146	139
Rate*	10.2	10.6	8.4	9.8
95% C.I.	(9.55-10.77)	(9.90-11.39)	(7.00-9.71)	(8.15-11.40)
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	11	9	2	0
Rate*	0.7	---	---	---
95% C.I.	(0.27-1.06)	---	---	---
45-54	69	52	10	7
Rate*	4.9	5.5	4.0	---
95% C.I.	(3.71-6.00)	(3.98-6.95)	(1.50-6.40)	---
55-64	194	136	18	40
Rate*	18.9	19.3	11.0	25.2
95% C.I.	(16.21-21.52)	(16.04-22.52)	(5.89-16.01)	(17.39-33.00)
65-74	324	231	50	43
Rate*	47.1	49.0	47.9	38.3
95% C.I.	(41.98-52.23)	(42.70-55.34)	(34.60-61.15)	(26.88-49.79)
75-84	386	292	52	40
Rate*	98.4	110.0	84.6	61.2
95% C.I.	(88.59-108.23)	(97.41-122.65)	(61.58-107.55)	(42.23-80.17)
85+	78	55	14	9
Rate*	88.7	98.9	84.3	---
95% C.I.	(68.98-108.33)	(72.75-125.02)	(40.12-128.41)	---
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 139. Urinary Bladder Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	2	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	7	4	11
Rate*	---	---	0.66
95% C.I.	---	---	(0.27-1.06)
45-54	55	14	69
Rate*	7.64	2.00	4.86
95% C.I.	(5.62-9.66)	(0.95-3.04)	(3.71-6.00)
55-64	167	27	194
Rate*	32.87	5.19	18.86
95% C.I.	(27.89-37.86)	(3.23-7.14)	(16.21-21.52)
65-74	249	75	324
Rate*	73.37	21.52	47.10
95% C.I.	(64.26-82.49)	(16.65-26.39)	(41.98-52.23)
75-84	291	95	386
Rate*	164.16	44.19	98.41
95% C.I.	(145.30-183.03)	(35.30-53.08)	(88.59-108.23)
85+	57	21	78
Rate*	195.98	35.65	88.65
95% C.I.	(145.10-246.86)	(20.41-50.90)	(68.98-108.33)
Unknown	0	0	0
Total	829	238	1,067
Rate*	15.54	4.61	10.16
95% C.I.	(14.48-16.60)	(4.02-5.20)	(9.55-10.77)

* 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 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	15	5.9	(2.93-8.93)	4.9	(2.7-8.1)
Churchill	12	9.8	(4.24-15.29)	10.0	(5.1-18.0)
Clark	780	10.6	(9.90-11.39)	12.3	(11.4-13.2)
Douglas	17	7.9	(4.16-11.70)	6.3	(3.6-10.8)
Elko	16	7.0	(3.59-10.47)	16.1	(8.7-27.7)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	8	---	---	---	---
Lander	4	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	27	14.6	(9.07-20.06)	12.5	(8.2-18.7)
Mineral	4	---	---	---	---
Nye	26	15.3	(9.44-21.24)	10.1	(6.4-15.9)
Pershing	2	---	---	---	---
Storey	3	---	---	---	---
Washoe	146	8.4	(7.00-9.71)	9.9	(8.3-11.7)
White Pine	3	---	---	---	---
Unknown	2	---	---	---	---
Total	1,067	10.2	(9.55-10.77)	11.4	(10.7-12.1)

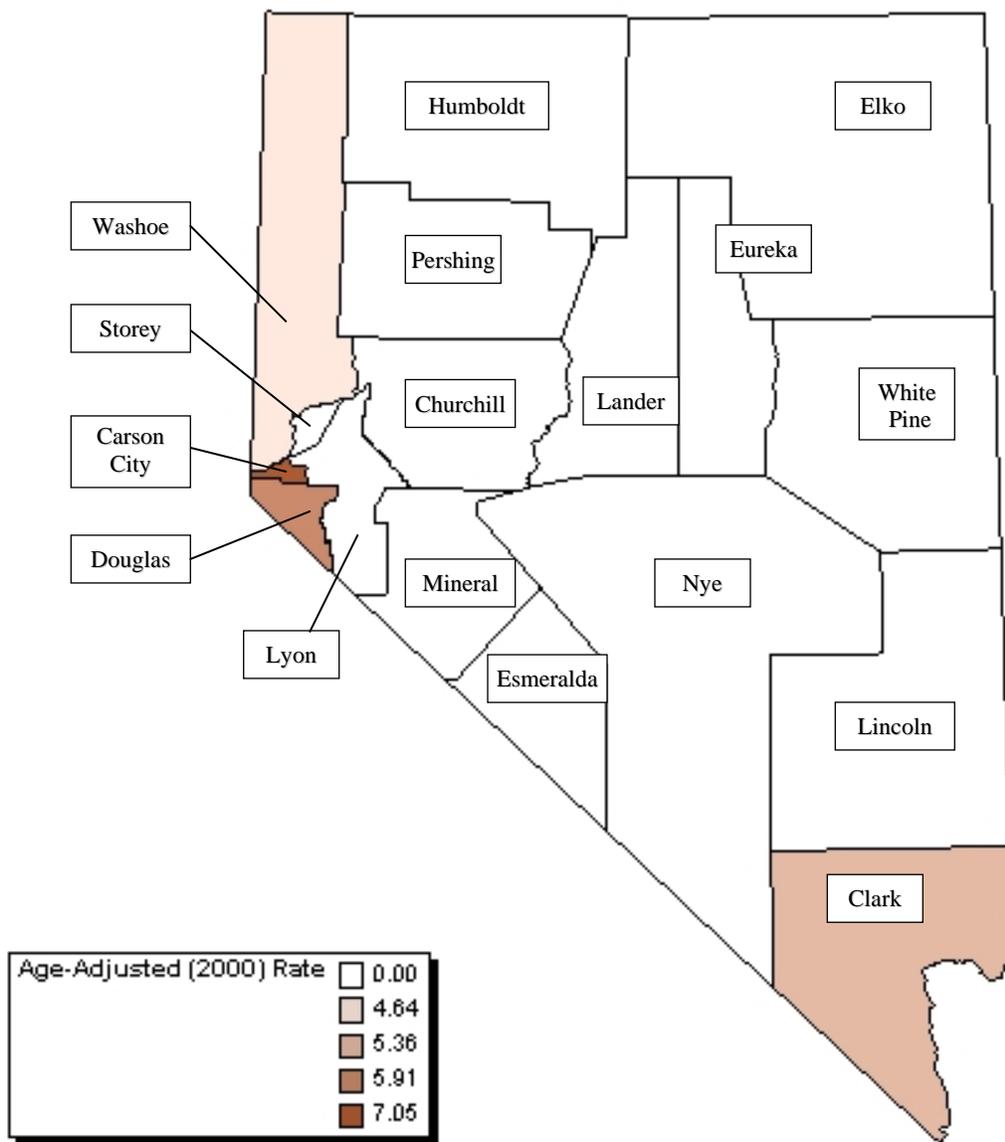
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	4	---	---	---	---	---	---
35-44	11	419,352	38,123	35,031	72	6.6	6.0
45-54	69	2,964,240	42,960	26,489	496	7.2	6.0
55-64	194	7,552,652	38,931	28,586	1,305	6.7	5.0
65-74	324	13,250,757	40,897	22,376	2,257	7.0	5.0
75-84	386	15,215,163	39,418	19,134	2,570	6.7	4.0
85+	78	1,674,725	21,471	14,932	390	5.0	3.0
Unknown	0	---	---	---	---	---	---
Total	1,067	41,268,505	38,677	21,260	7,131	6.7	4.0

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



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

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

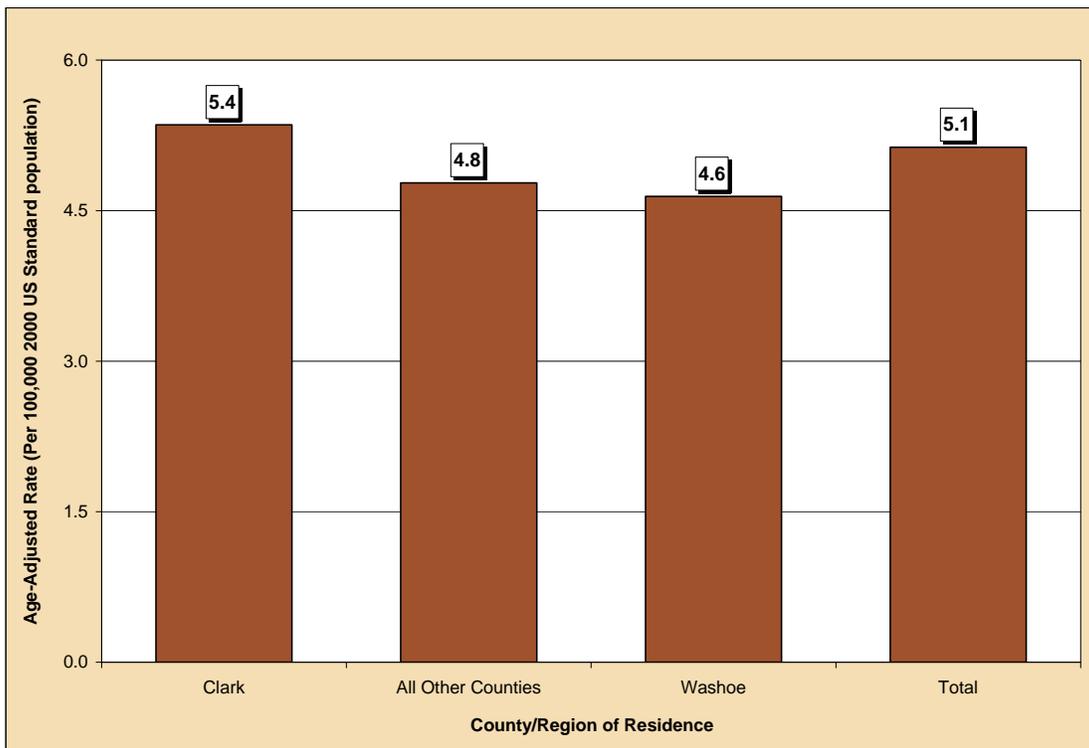


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

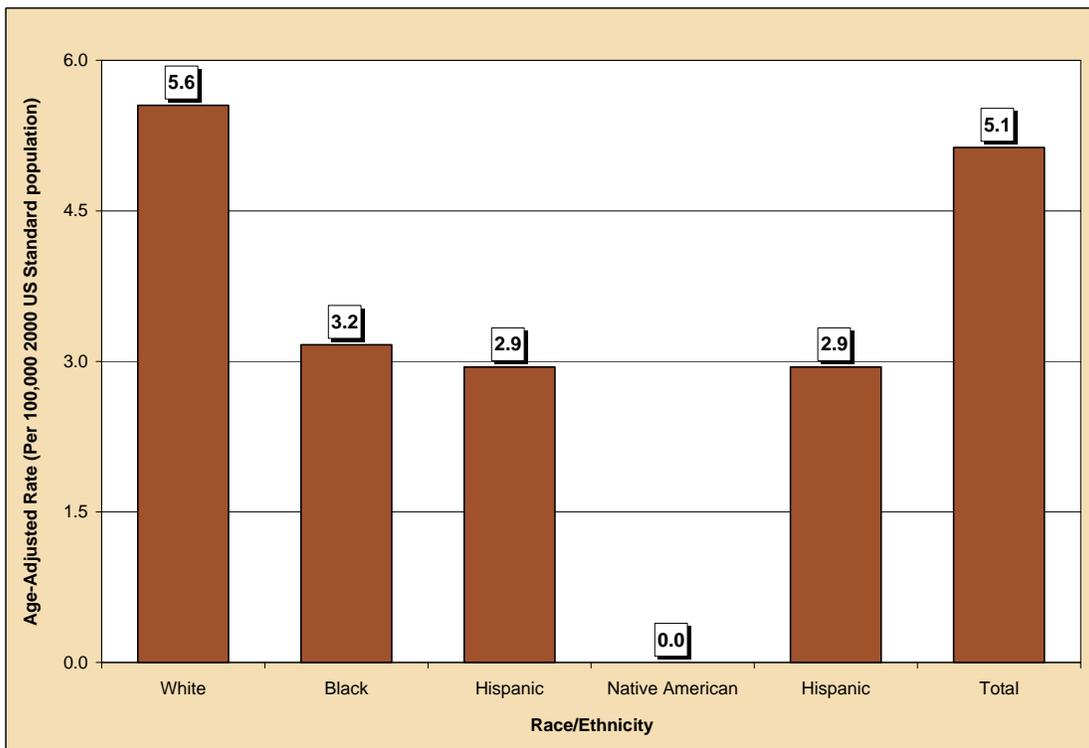


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	449	313	67	69
Rate*	5.1	5.4	4.6	4.8
95% C.I.	(4.7-5.7)	(4.8-6.0)	(3.6-5.9)	(3.7-6.1)
Gender				
Male	331	331	331	331
Rate*	8.8	9.4	7.1	8.1
95% C.I.	(7.8-9.9)	(8.1-10.8)	(5.0-9.9)	(5.9-11.0)
Female	118	118	118	118
Rate*	2.5	2.4	3.1	2.3
95% C.I.	(2.0-3.0)	(1.9-3.0)	(2.0-4.6)	(1.3-3.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	414	284	61	69
Rate*	5.6	5.9	4.7	5.2
95% C.I.	(5.0-6.1)	(5.2-6.7)	(3.6-6.1)	(4.0-6.6)
Black	13	12	1	0
Rate*	3.2	3.1	---	---
95% C.I.	(1.6-5.9)	(1.5-6.1)	---	---
Native American	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	10	9	1	0
Rate*	2.9	---	---	---
95% C.I.	(1.3-5.9)	---	---	---
Other/Unknown	1	1	0	0

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 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	449	313	67	69
Rate*	5.1	5.4	4.6	4.8
95% C.I.	(4.7-5.7)	(4.8-6.0)	(3.6-5.9)	(3.7-6.1)
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	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	17	14	2	1
Rate*	1.2	1.5	---	---
95% C.I.	(0.63-1.77)	(0.70-2.24)	---	---
55-64	73	49	13	11
Rate*	7.1	7.0	7.9	6.9
95% C.I.	(5.47-8.73)	(5.00-8.89)	(3.61-12.21)	(2.83-11.02)
65-74	117	80	14	23
Rate*	17.0	17.0	13.4	20.5
95% C.I.	(13.93-20.09)	(13.26-20.70)	(6.38-20.43)	(12.12-28.88)
75-84	161	115	27	19
Rate*	41.1	43.3	43.9	29.1
95% C.I.	(34.71-47.39)	(35.41-51.25)	(27.35-60.47)	(16.00-42.14)
85+	76	52	10	14
Rate*	86.4	93.5	60.2	88.9
95% C.I.	(66.96-105.80)	(68.08-118.90)	(22.88-97.50)	(42.33-135.47)
Unknown	0	0	0	0

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

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

Table 144. Urinary Bladder Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	21	8.3	(4.75-11.85)	7.1	(4.3-10.9)
Churchill	3	---	---	---	---
Clark	313	4.3	(3.80-4.74)	5.4	(4.8-6.0)
Douglas	14	6.5	(3.11-9.95)	5.9	(3.1-10.6)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	1	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	9	---	---	---	---
Mineral	3	---	---	---	---
Nye	8	---	---	---	---
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	67	3.8	(2.92-4.75)	4.6	(3.6-5.9)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	449	4.3	(3.88-4.67)	5.1	(4.7-5.7)

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 2000 US Standard population.

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	307	107	0	414
	Rate*	9.5	2.7	---	5.6
	95% C.I.	(8.3-10.7)	(2.2-3.2)	---	(5.0-6.1)
Black	Incidence	12	1	0	13
	Rate*	6.8	---	---	3.2
	95% C.I.	(3.1-14.5)	---	---	(1.6-5.9)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	5	3	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Hispanic	Incidence	5	5	0	10
	Rate*	---	---	---	2.9
	95% C.I.	---	---	---	(1.3-5.9)
Other/Unknown	0	1	0	1	
Total	Incidence	331	118	0	449
	Rate*	8.8	2.5	---	5.1
	95% C.I.	(7.8-9.9)	(2.0-3.0)	---	(4.7-5.7)

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

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
45-54	9	8	17
Rate*	---	---	1.20
95% C.I.	---	---	(0.63-1.77)
55-64	56	17	73
Rate*	11.02	3.27	7.10
95% C.I.	(8.14-13.91)	(1.71-4.82)	(5.47-8.73)
65-74	93	24	117
Rate*	27.40	6.89	17.01
95% C.I.	(21.84-32.97)	(4.13-9.64)	(13.93-20.09)
75-84	118	43	161
Rate*	66.57	20.00	41.05
95% C.I.	(54.56-78.58)	(14.02-25.98)	(34.71-47.39)
85+	53	23	76
Rate*	182.23	39.05	86.38
95% C.I.	(133.17-231.29)	(23.09-55.01)	(66.96-105.80)
Unknown	0	0	0
Total	331	118	449
Rate*	6.21	2.29	4.28
95% C.I.	(5.54-6.87)	(1.87-2.70)	(3.88-4.67)

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

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

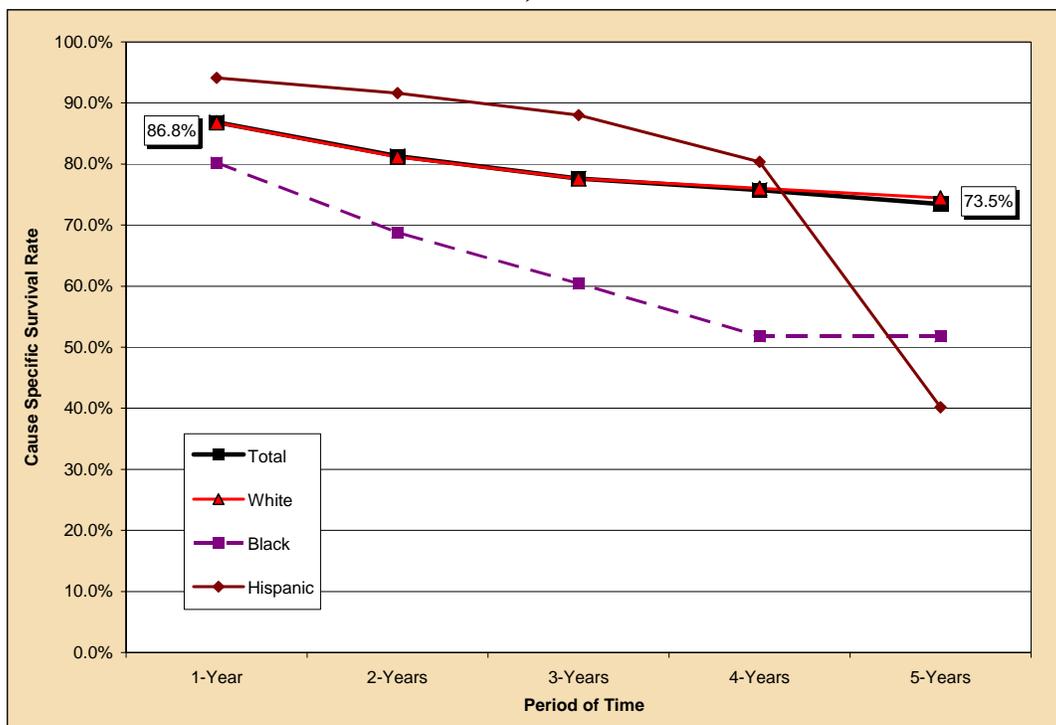
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	307	75.0	107	75.0	414	75.0
Black	12	73.0	1	---	13	74.0
Native American	2	---	1	---	3	---
Asian	5	70.0	3	---	8	74.0
Hispanic	5	81.0	5	84.0	10	82.5
Other/Unknown	0	---	1	---	1	---
Total	331	75.0	118	76.0	449	75.0

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 99. Survival Rates for Urinary Bladder Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



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

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

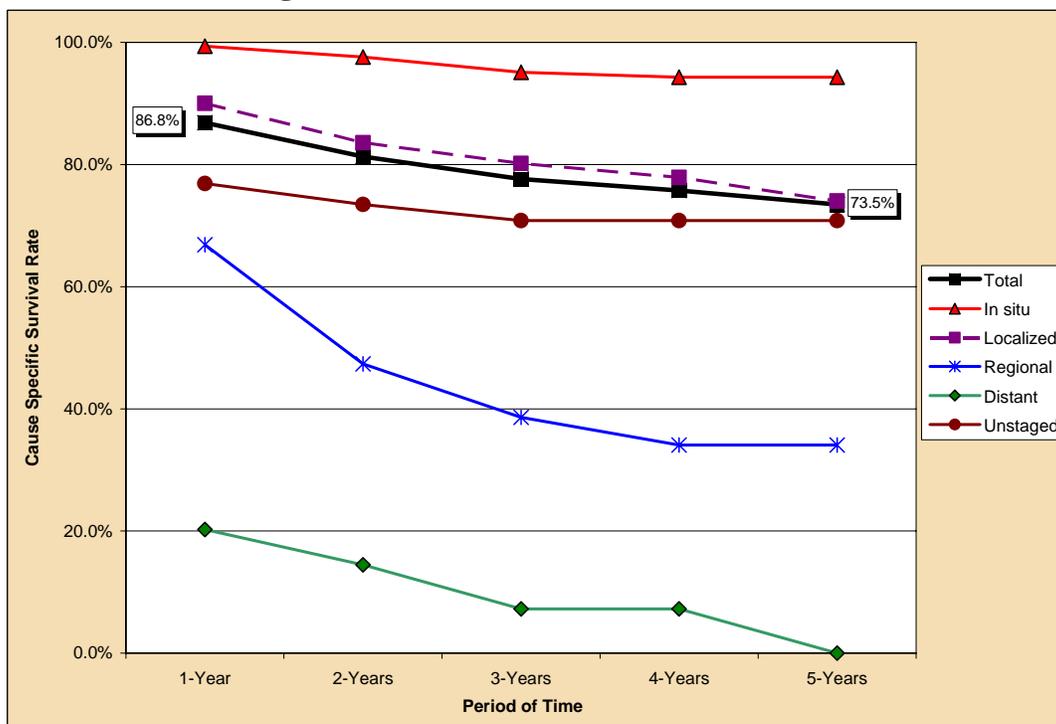


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

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	1,952	86.8%	81.3%	77.6%	75.7%	73.5%	> 5 YEARS
Male	1,501	88.0%	82.4%	78.0%	76.3%	74.3%	> 5 YEARS
Female	451	83.0%	77.5%	76.6%	73.9%	70.8%	> 5 YEARS
Race/Ethnicity							
White	1,792	86.8%	81.2%	77.6%	76.0%	74.4%	> 5 YEARS
Male	1,372	88.0%	82.3%	77.9%	76.4%	75.3%	> 5 YEARS
Female	420	83.1%	77.7%	76.7%	74.9%	71.7%	> 5 YEARS
Black	51	80.2%	68.8%	60.4%	51.8%	51.8%	> 5 YEARS
Male	41	---	---	---	---	---	.
Female	10	---	---	---	---	---	.
Native American	3	---	---	---	---	---	.
Male	2	---	---	---	---	---	.
Female	1	---	---	---	---	---	.
Asian	26	---	---	---	---	---	.
Male	19	---	---	---	---	---	.
Female	7	---	---	---	---	---	.
Hispanic	56	94.1%	91.6%	88.0%	80.4%	40.2%	4.76
Male	48	---	---	---	---	---	.
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 149. Cause-Specific Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,952	1,501	451
	One Year	86.8%	88.0%	83.0%
	5 Years	73.5%	74.3%	70.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	729	545	184
	One Year	99.4%	99.6%	98.8%
	5 Years	94.3%	94.3%	94.2%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Localized	Cases	780	619	161
	One Year	90.0%	90.4%	88.5%
	5 Years	74.0%	74.3%	72.8%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	182	136	46
	One Year	66.9%	73.0%	---
	5 Years	34.1%	38.9%	---
	Median Survival	1.87	2.30	.
Distant	Cases	86	68	18
	One Year	20.3%	22.8%	---
	5 Years	0.0%	0.0%	---
	Median Survival	0.63	0.65	.
Unstaged	Cases	175	133	42
	One Year	76.9%	80.8%	---
	5 Years	70.8%	74.0%	---
	Median Survival	> 5 YEARS	> 5 YEARS	.

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.