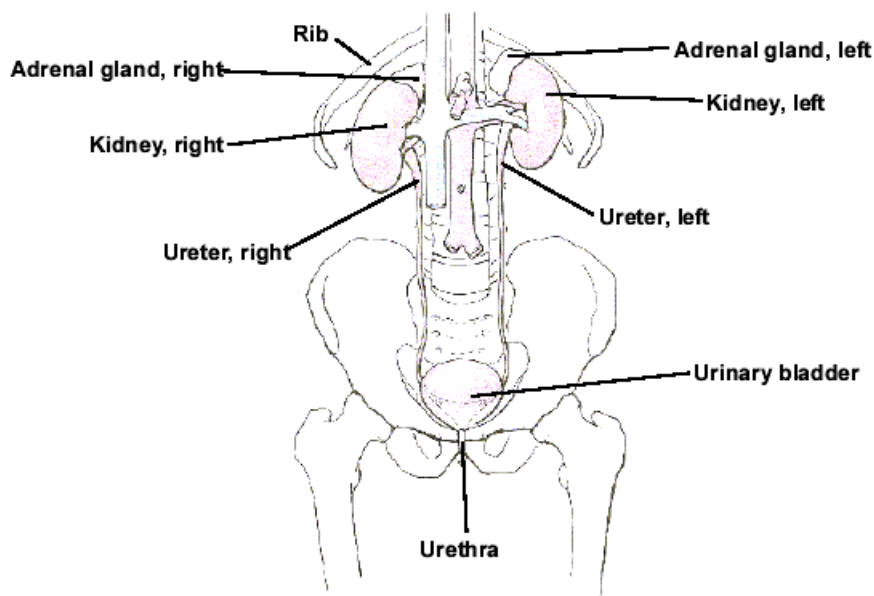


# **URINARY BLADDER CANCER**

## URINARY BLADDER CANCER

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

Figure 88. Anatomy of the Urinary System<sup>5</sup>



**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 considerably higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 4.69 while the ratio for females was 3.81. This means that for every death due to Urinary Bladder Cancer there would be 4.69 male cases while only 3.81 cases for every female death.
- The median age at diagnosis of Urinary Bladder Cancer for Nevada residents and males was 70 years of age for Nevada Residents from 1996 to 2000 while the median age for females was 71 years. However, the median age at time of death due to Urinary Bladder Cancer was 74 years for Nevada overall, 75 years for females and 73 years of age for males.

## **INCIDENCE**

- There were 1,866 cases of Urinary Bladder Cancer reported in Nevada from 1996 to 2000. Nevada's age-adjusted incidence rate (22.6) for Urinary Bladder Cancer was only slightly higher than the National rate of 20.0 (per 100,000 – 2000 US Standard population).
- While there was little regional variation between Washoe County (23.2), All Other Counties (22.7) and Clark County (22.5) in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for Males (37.3) was more than three times as the rate for Nevada Females (10.4, per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.
- Similar to the National rates, Nevada Whites, as a racial/ethnic group, had an age-adjusted incidence rate (25.3, per 100,000 – 2000 US Standard population) nearly double the rates for all other racial/ethnic groups from 1996 to 2000.

## **INPATIENT HOSPITAL DISCHARGES**

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 30.4 million dollars from 1996 to 2000. Nevadans in the 65-74 and 75-84 age groups accounted for 66.8% of the total inpatient discharges and 65.0% of the total billed charges during this period. The overall daily billed amount for these discharges was over \$4,600 in Nevada during this period.
- There were 989 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1996 to 2000. Clark County had the highest age-adjusted inpatient discharge rate, 13.4 (12.4-14.5), for Urinary Bladder Cancer in Nevada, and showed statistical significance over the Washoe County rate of 9.4 (7.8-11.2) who had the lowest age-adjusted inpatient discharge rate during the 1996 to 2000 period.

- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer was \$16,433 from 1996 to 2000. Washoe County had the highest median total billed charge, \$17,504, when compared to the billed amounts for Clark County and All Other Counties of \$16,389 and \$13,033.

### **MORTALITY**

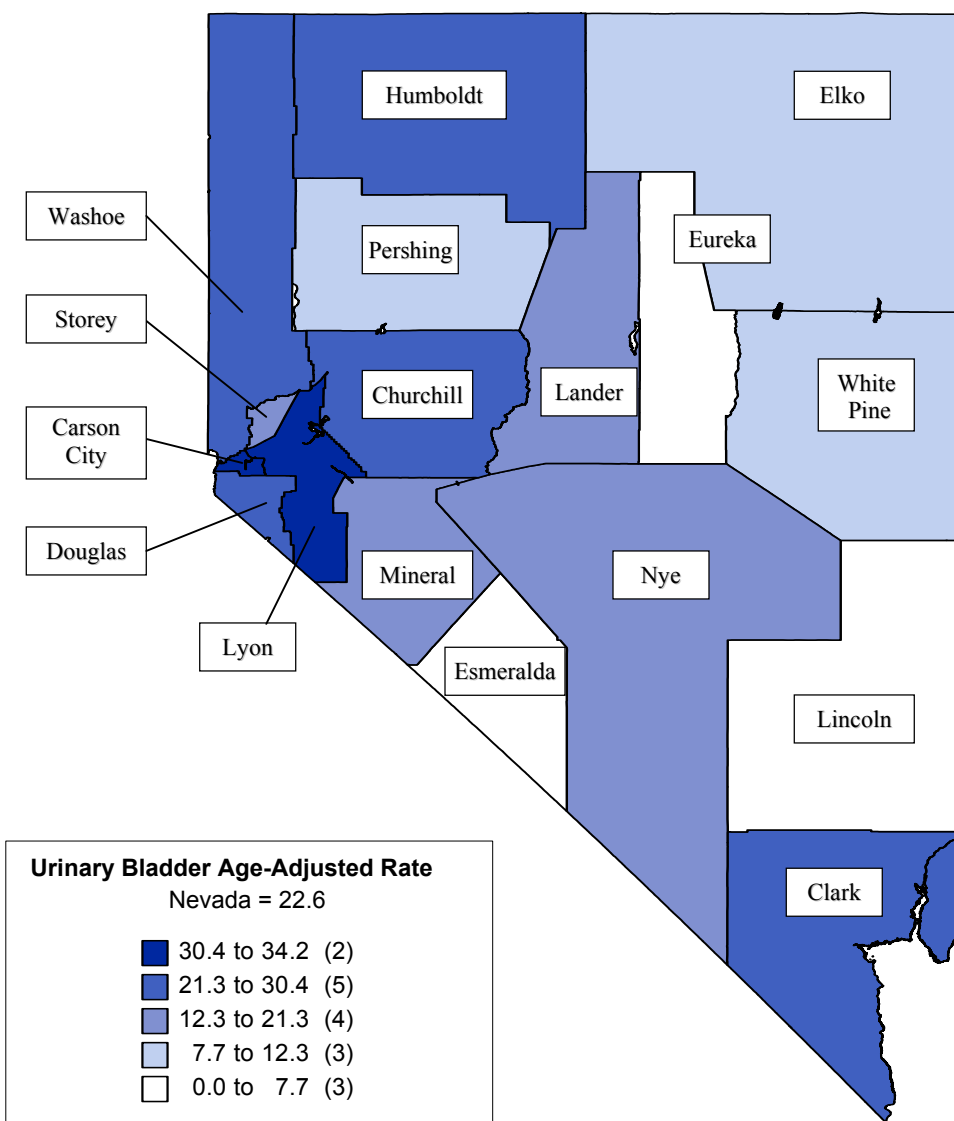
- There were 379 resident deaths due to Urinary Bladder Cancer from 1996 to 2000. Regional comparisons were fairly similar between Clark, Washoe, and All Other Counties, as a region, with rates of 5.3, 4.7 and 4.2 (per 100,000 – 2000 US Standard population), respectively.
- Nevadan males had a 34.4% higher statistically significant age-adjusted mortality rate, 8.0 (6.9-9.1), for Urinary Bladder Cancer when compared to the female rate of 2.7 (2.2-3.3) (per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.

### **SURVIVAL RATE**

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1996 to 2000 period, with rates of 85.0% and 80.0%, respectively. This difference lessened by the five-year rate where males had a rate of 60.4% and females had a rate of 59.2%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 100.0%, with those at the localized stage at 88.7%, and those recorded at the regional, distant and unstaged stages had rates of 61.4%, 20.0% and 74.4%, 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, distant and unstaged levels had median survival times of 1.65 and 0.63 years, respectively.

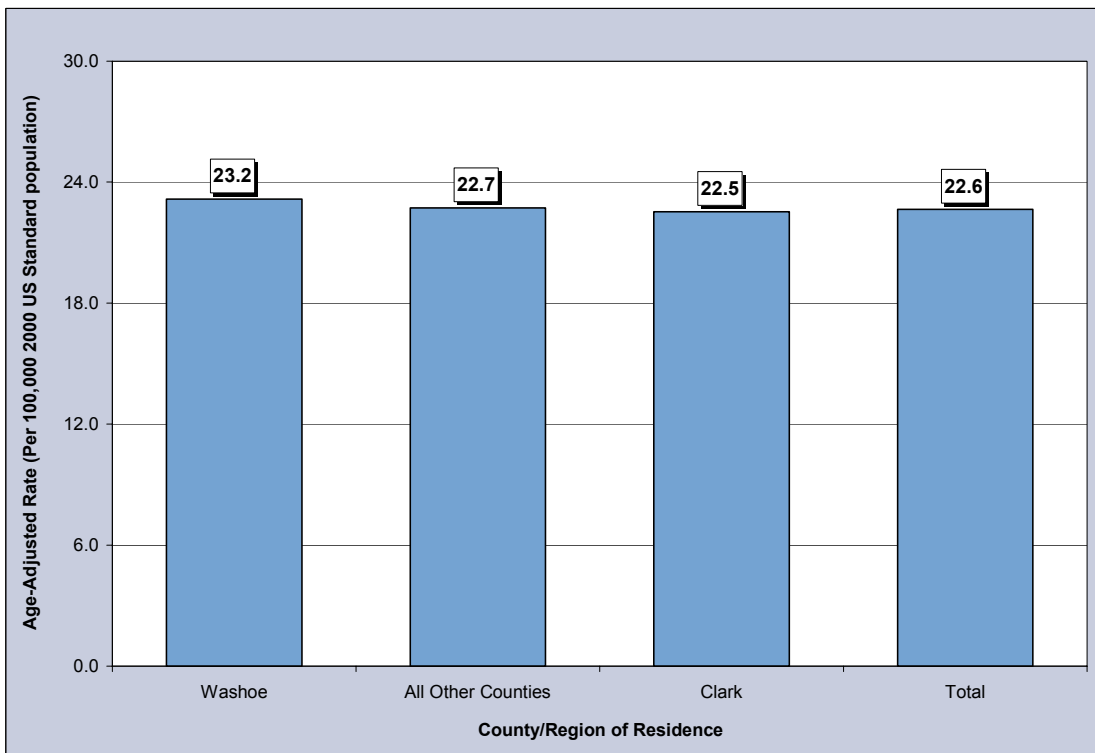
## INCIDENCE

**Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000**

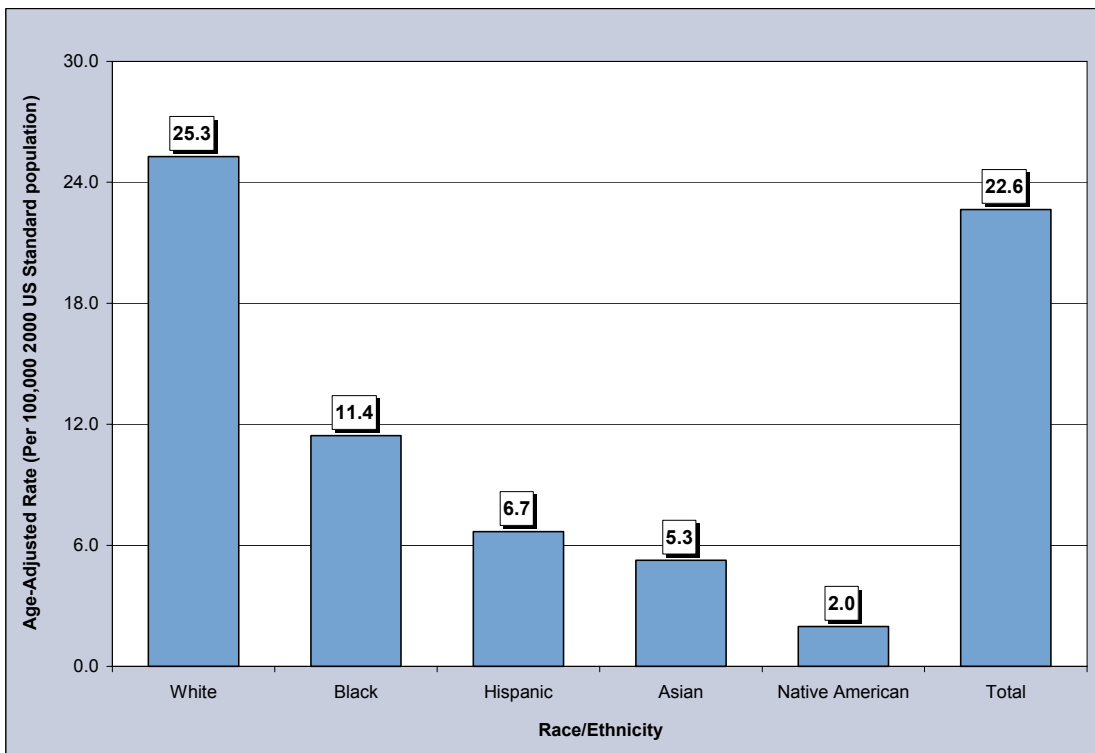


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

**Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000**



**Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000**



**Table 129. Urinary Bladder 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	
<b>Total</b>						
<b>Cases</b>	1,866	1,221	327	318	0	33,284
<b>Rate*</b>	22.6	22.5	23.2	22.7	---	20.0
<b>95% C.I.</b>	(21.6-23.7)	(21.2-23.9)	(20.7-25.9)	(20.2-25.5)	---	(19.8-20.2)
<b>Gender</b>						
Male	1,414	920	245	249	0	24,595
Rate*	37.3	36.9	38.6	37.9	---	35.2
95% C.I.	(35.3-39.6)	(34.3-39.7)	(33.6-44.3)	(33.1-43.4)	---	(34.7-35.6)
Female	452	301	82	69	0	8,689
Rate*	10.4	10.6	10.8	9.4	---	9.1
95% C.I.	(9.5-11.5)	(9.4-11.9)	(8.6-13.5)	(7.3-12.0)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
<b>Race/Ethnicity</b>						
White	1,763	1,129	320	314	0	29,914
Rate*	25.3	25.5	25.6	24.4	---	21.8
95% C.I.	(24.1-26.5)	(24.0-27.1)	(22.8-28.6)	(21.7-27.3)	---	(21.5-22.0)
Black	35	34	0	1	0	1,598
Rate*	11.4	12.2	---	---	---	12.3
95% C.I.	(7.7-16.6)	(8.1-17.8)	---	---	---	(11.7-12.9)
Native American	2	0	2	0	0	32
Rate*	---	---	---	---	---	3.2
95% C.I.	---	---	---	---	---	(2.1-2.1)
Asian	13	9	4	0	0	1,438
Rate*	5.3	---	---	---	---	9.8
95% C.I.	(2.2-12.4)	---	---	---	---	(9.3-10.4)
Hispanic	41	37	1	3	0	1,372
Rate*	6.7	8.1	---	---	---	8.9
95% C.I.	(4.5-10.0)	(5.3-12.5)	---	---	---	(8.4-9.4)
Other/Unknown	12	12	0	0	0	302

\* 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 (1996-2000) and SEER-11 (1995-1999)**

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
<b>Total</b>						
Cases	1,866	1,221	327	318	0	33,284
Rate*	20.1	19.4	20.0	23.2	---	18.0
95% C.I.	(19.1-21.0)	(18.3-20.5)	(17.8-22.1)	(20.7-25.8)	---	(17.8-18.2)
<b>Age Group</b>						
<1	1	0	1	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	1	1	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	47
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	8	5	3	0	0	190
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.6-0.7)
35-44	44	24	11	9	0	858
Rate*	2.9	2.4	4.0	---	---	2.7
95% C.I.	(2.1-3.8)	(1.5-3.4)	(1.6-6.3)	---	---	(2.6-2.9)
45-54	148	101	29	18	0	2,648
Rate*	12.2	12.8	12.9	9.4	---	11.6
95% C.I.	(10.3-14.2)	(10.3-15.2)	(8.2-17.6)	(5.0-13.7)	---	(11.1-12.0)
55-64	367	237	62	68	0	5,531
Rate*	42.6	40.8	43.8	49.3	---	39.5
95% C.I.	(38.3-47.0)	(35.6-46.0)	(32.9-54.7)	(37.6-61.0)	---	(38.5-40.5)
65-74	663	426	116	121	0	10,517
Rate*	107.0	102.8	115.0	115.8	---	91.2
95% C.I.	(98.8-115.1)	(93.0-112.5)	(94.1-135.9)	(95.2-136.4)	---	(89.4-92.9)
75-84	514	349	83	82	0	9,988
Rate*	156.8	161.4	150.8	145.2	---	137.4
95% C.I.	(143.3-170.4)	(144.5-178.3)	(118.4-183.3)	(113.8-176.6)	---	(134.7-140.1)
85+	117	75	22	20	0	3,496
Rate*	166.1	175.1	152.6	151.6	---	141.0
95% C.I.	(136.0-196.2)	(135.4-214.7)	(88.8-216.4)	(85.1-218.0)	---	(136.3-145.6)
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, 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	89	36.3	(28.8-43.9)	30.5	(24.4-37.7)
Churchill	28	23.7	(14.9-32.5)	24.4	(16.2-35.9)
Clark	1,221	19.4	(18.3-20.5)	22.5	(21.2-23.9)
Douglas	59	29.5	(22.0-37.0)	25.9	(19.4-34.5)
Elko	11	4.8	(2.0-7.6)	7.7	(3.5-15.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	13	15.5	(7.1-23.9)	21.4	(10.8-39.7)
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	64	39.6	(29.9-49.2)	34.2	(26.1-44.4)
Mineral	7	---	---	---	---
Nye	35	23.6	(15.8-31.4)	18.1	(12.0-27.2)
Pershing	2	---	---	---	---
Storey	2	---	---	---	---
Washoe	327	20.0	(17.8-22.1)	23.2	(20.7-25.9)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
<b>Total</b>	<b>1,866</b>	<b>20.1</b>	<b>(19.1-21.0)</b>	<b>22.6</b>	<b>(21.6-23.7)</b>

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

**Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000**

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	1,325	438	0	1,763
	Rate*	40.8	12.1	---	25.3
	95% C.I.	(38.5-43.3)	(11.0-13.3)	---	(24.1-26.5)
Black	Incidence	31	4	0	35
	Rate*	24.8	---	---	11.4
	95% C.I.	(15.6-39.0)	---	---	(7.7-16.6)
Native American	Incidence	2	0	0	2
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	9	4	0	13
	Rate*	---	---	---	5.3
	95% C.I.	---	---	---	(2.2-12.4)
Hispanic	Incidence	36	5	0	41
	Rate*	12.3	---	---	6.7
	95% C.I.	(7.7-20.7)	---	---	(4.5-10.0)
Other/Unknown		11	1	0	12
Total	Incidence	1,414	452	0	1,866
	Rate*	37.3	10.4	---	22.6
	95% C.I.	(35.3-39.6)	(9.5-11.5)	---	(21.6-23.7)

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, 1996-2000**

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	2	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	5	3	0	8
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	31	13	0	44
Rate*	4.0	1.8	---	2.9
95% C.I.	(2.6-5.4)	(0.8-2.8)	---	(2.1-3.8)
45-54	111	37	0	148
Rate*	18.1	6.2	---	12.2
95% C.I.	(14.8-21.5)	(4.2-8.2)	---	(10.3-14.2)
55-64	289	78	0	367
Rate*	67.4	18.1	---	42.6
95% C.I.	(59.6-75.2)	(14.0-22.1)	---	(38.3-47.0)
65-74	512	151	0	663
Rate*	167.5	48.1	---	107.0
95% C.I.	(153.0-182.0)	(40.4-55.7)	---	(98.8-115.1)
75-84	382	132	0	514
Rate*	259.0	73.2	---	156.8
95% C.I.	(233.1-285.0)	(60.7-85.7)	---	(143.3-170.4)
85+	81	36	0	117
Rate*	357.2	75.4	---	166.1
95% C.I.	(279.4-435.0)	(50.7-100.0)	---	(136.0-196.2)
Unknown	0	0	0	0
Total	1,414	452	0	1,866
Rate*	29.9	9.9	---	20.1
95% C.I.	(28.3-31.5)	(9.0-10.8)	---	(19.1-21.0)

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, 1996-2000**

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
1-4	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	2	1	0	0	0	3
	Percent	66.7%	33.3%	---	---	---	100.0%
25-34	Number	2	4	0	1	1	8
	Percent	25.0%	50.0%	---	12.5%	12.5%	100.0%
35-44	Number	10	28	2	2	2	44
	Percent	22.7%	63.6%	4.5%	4.5%	4.5%	100.0%
45-54	Number	51	72	12	4	9	148
	Percent	34.5%	48.6%	8.1%	2.7%	6.1%	100.0%
55-64	Number	85	192	42	15	33	367
	Percent	23.2%	52.3%	11.4%	4.1%	9.0%	100.0%
65-74	Number	142	371	56	27	67	663
	Percent	21.4%	56.0%	8.4%	4.1%	10.1%	100.0%
75-84	Number	113	278	55	13	55	514
	Percent	22.0%	54.1%	10.7%	2.5%	10.7%	100.0%
85+	Number	17	60	10	4	26	117
	Percent	14.5%	51.3%	8.5%	3.4%	22.2%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	422	1,007	177	66	194	1,866
	Percent	22.6%	54.0%	9.5%	3.5%	10.4%	100.0%

**Table 135. Urinary Bladder 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	381	7	0	6	20	8	422
	Percent	21.6%	20.0%	---	46.2%	48.8%	66.7%	22.6%
Localized	Number	974	12	1	3	13	4	1,007
	Percent	55.2%	34.3%	50.0%	23.1%	31.7%	33.3%	54.0%
Regional	Number	167	7	0	1	2	0	177
	Percent	9.5%	20.0%	---	7.7%	4.9%	---	9.5%
Distant	Number	61	3	0	0	2	0	66
	Percent	3.5%	8.6%	---	---	4.9%	---	3.5%
Unstaged	Number	180	6	1	3	4	0	194
	Percent	10.2%	17.1%	50.0%	23.1%	9.8%	---	10.4%
Total	Number	1,763	35	2	13	41	12	1,866
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

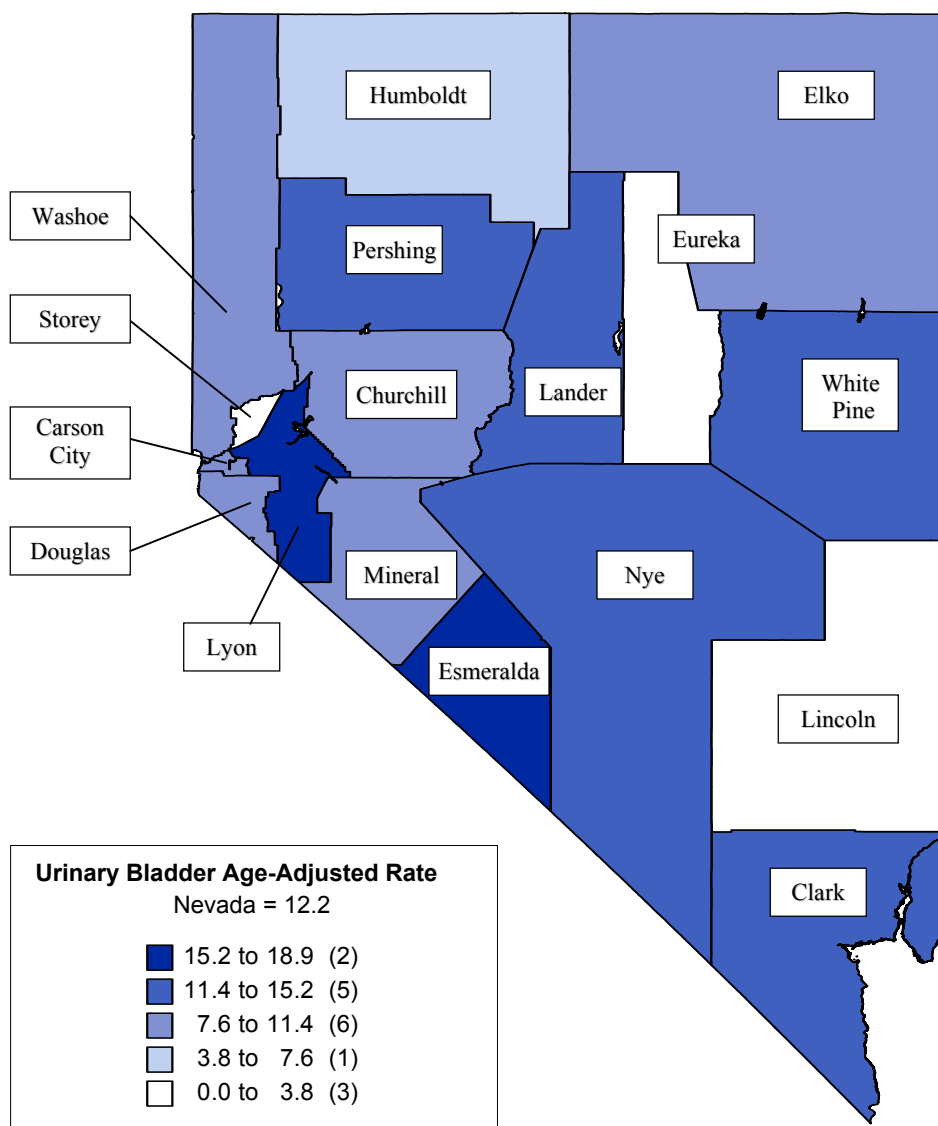
**Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000**

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	1,325	70.0	438	71.0	1,763	70.0
Black	31	75.0	4	---	35	75.0
Native American	2	---	0	---	2	---
Asian	9	71.0	4	---	13	71.0
Hispanic	36	59.0	5	70.0	41	61.0
Other/Unknown	11	67.0	1	---	12	67.5
Total	1,414	70.0	452	71.0	1,866	70.0

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

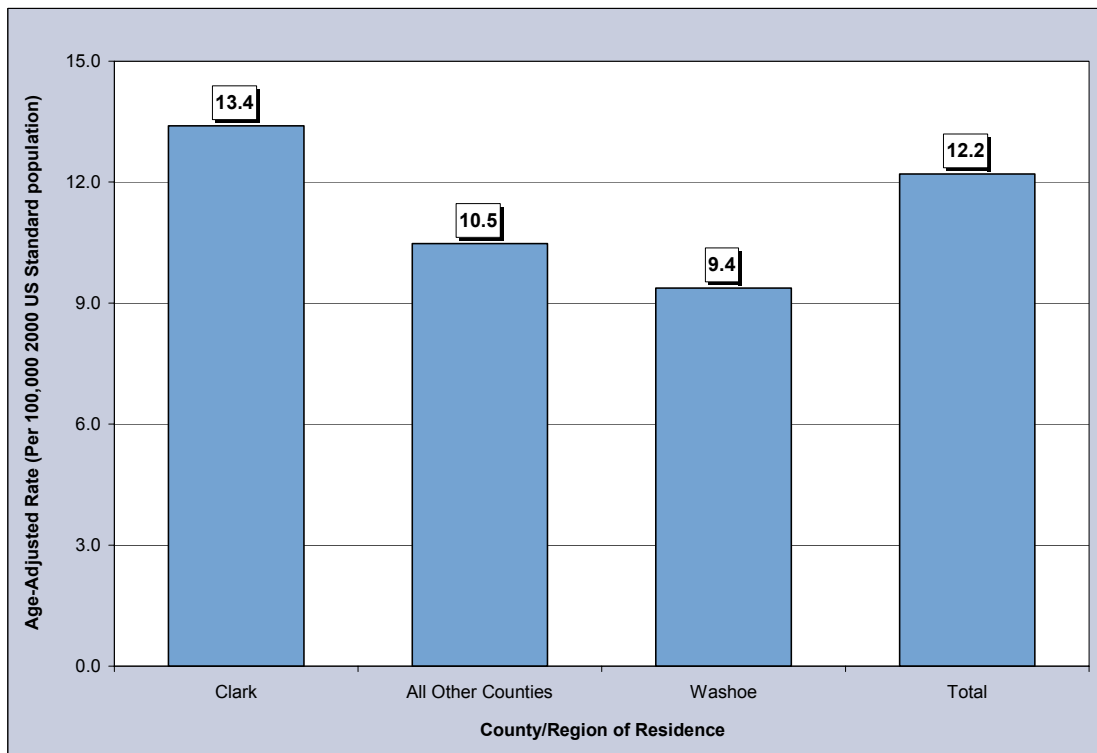
## INPATIENT HOSPITAL DISCHARGES

**Figure 92. Urinary Bladder Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000**

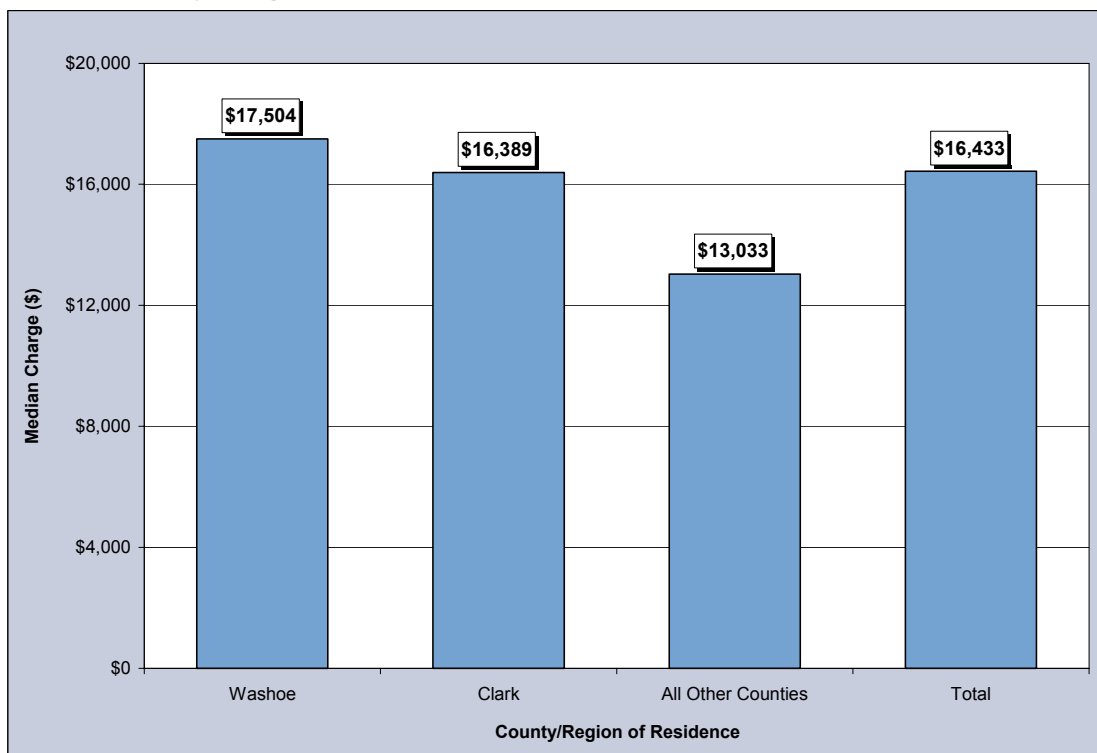


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

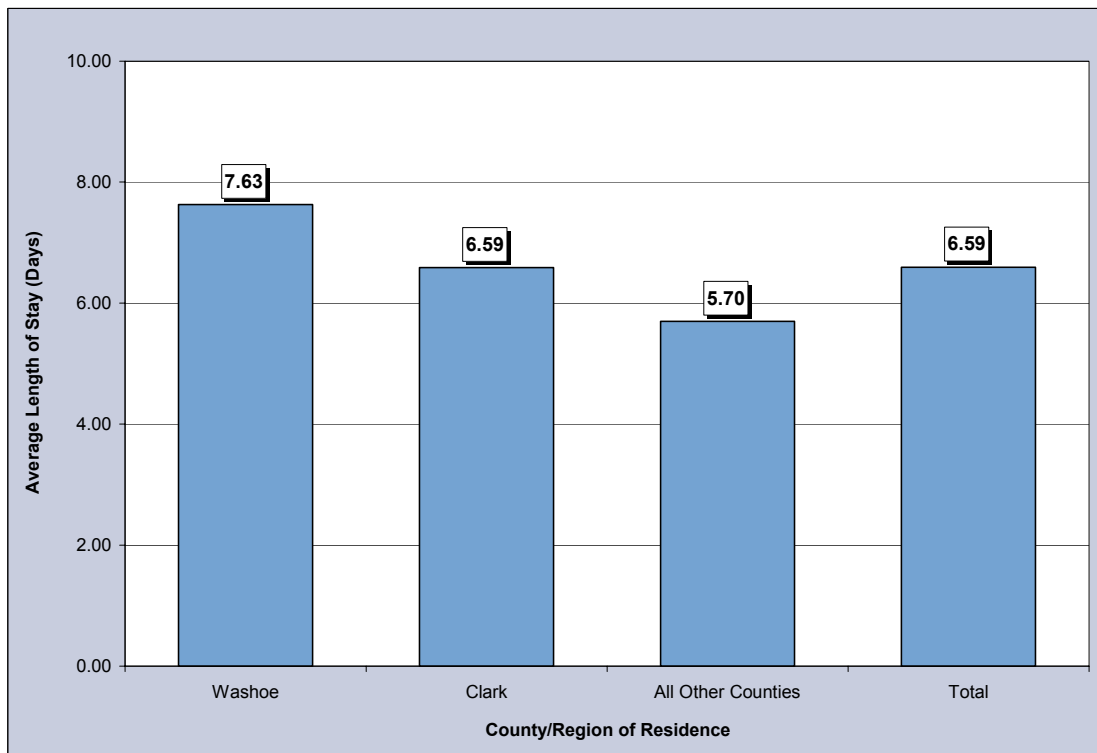
**Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000**



**Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000**



**Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000**



**Table 137. Urinary Bladder 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
<b>Total</b>					
Discharges	989	710	129	149	1
Rate*	12.2	13.4	9.4	10.5	---
95% C.I.	(11.4-13.0)	(12.4-14.5)	(7.8-11.2)	(8.8-12.4)	---
<b>Gender</b>					
Male	740	540	87	112	1
Rate*	20.0	22.5	14.0	16.9	---
95% C.I.	(18.5-21.7)	(20.4-24.8)	(11.1-17.7)	(13.7-20.7)	---
Female	249	170	42	37	0
Rate*	5.8	6.1	5.6	4.9	---
95% C.I.	(5.1-6.6)	(5.2-7.1)	(4.0-7.6)	(3.5-6.9)	---
Other/Unknown	0	0	0	0	0
<b>Inpatient Discharge Charges (\$)</b>					
Total Charges	\$30,402,813	\$22,213,274	\$4,536,433	\$3,617,905	\$35,201
Average Charges	\$30,741	\$31,286	\$35,166	\$24,281	\$35,201
Median Charges	\$16,433	\$16,389	\$17,504	\$13,033	\$35,201
<b>Discharge Length of Stay (LOS) (Days)</b>					
Total LOS	6,521	4,676	984	849	12
Average LOS	6.6	6.6	7.6	5.7	12.0
Median LOS	4.0	4.0	6.0	4.0	12.0

\* 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, 1996-2000**

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
<b>Total</b>					
<b>Discharges</b>	989	710	129	149	1
<b>Rate*</b>	10.6	11.3	7.9	10.9	---
<b>95% C.I.</b>	(10.0-11.3)	(10.4-12.1)	(6.5-9.2)	(9.1-12.6)	---
<b>Age Group</b>					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	13	9	2	2	0
Rate*	0.9	---	---	---	---
95% C.I.	(0.4-1.3)	---	---	---	---
45-54	59	46	9	4	0
Rate*	4.9	5.8	---	---	---
95% C.I.	(3.6-6.1)	(4.1-7.5)	---	---	---
55-64	182	131	26	25	0
Rate*	21.1	22.5	18.4	17.7	---
95% C.I.	(18.1-24.2)	(18.7-26.4)	(11.3-25.4)	(10.7-24.6)	---
65-74	352	238	42	72	0
Rate*	56.8	57.4	41.6	71.4	---
95% C.I.	(50.9-62.7)	(50.1-64.7)	(29.0-54.2)	(54.9-87.9)	---
75-84	309	230	39	39	1
Rate*	94.3	106.4	70.9	70.9	---
95% C.I.	(83.8-104.8)	(92.6-120.1)	(48.6-93.1)	(48.6-93.1)	---
85+	70	52	11	7	0
Rate*	99.4	121.4	76.3	---	---
95% C.I.	(76.1-122.6)	(88.4-154.4)	(31.2-121.4)	---	---
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 139. Urinary Bladder 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	2	0	2
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	10	3	13
Rate*	1.3	---	0.9
95% C.I.	(0.5-2.1)	---	(0.4-1.3)
45-54	36	23	59
Rate*	5.9	3.9	4.9
95% C.I.	(4.0-7.8)	(2.3-5.4)	(3.6-6.1)
55-64	150	32	182
Rate*	35.0	7.4	21.1
95% C.I.	(29.4-40.6)	(4.8-10.0)	(18.1-24.2)
65-74	267	85	352
Rate*	87.3	27.1	56.8
95% C.I.	(76.9-97.8)	(21.3-32.8)	(50.9-62.7)
75-84	225	84	309
Rate*	152.6	46.6	94.3
95% C.I.	(132.6-172.5)	(36.6-56.6)	(83.8-104.8)
85+	48	22	70
Rate*	211.7	46.0	99.4
95% C.I.	(151.8-271.6)	(26.8-65.3)	(76.1-122.6)
Unknown	0	0	0
Total	740	249	989
Rate*	15.6	5.4	10.6
95% C.I.	(14.5-16.8)	(4.8-6.1)	(10.0-11.3)

\* 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, 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	25	10.2	(6.2-14.2)	8.2	(5.3-12.3)
Churchill	9	---	---	---	---
Clark	710	11.3	(10.4-12.1)	13.4	(12.4-14.5)
Douglas	20	10.0	(5.6-14.4)	7.9	(4.8-13.1)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	38	23.5	(16.0-31.0)	18.8	(13.3-26.5)
Mineral	4	---	---	---	---
Nye	26	17.5	(10.8-24.2)	13.5	(8.2-22.0)
Pershing	3	---	---	---	---
Storey	0	---	---	---	---
Washoe	129	7.9	(6.5-9.2)	9.4	(7.8-11.2)
White Pine	7	---	---	---	---
Unknown	1	---	---	---	---
<b>Total</b>	<b>989</b>	<b>10.6</b>	<b>(10.0-11.3)</b>	<b>12.2</b>	<b>(11.4-13.0)</b>

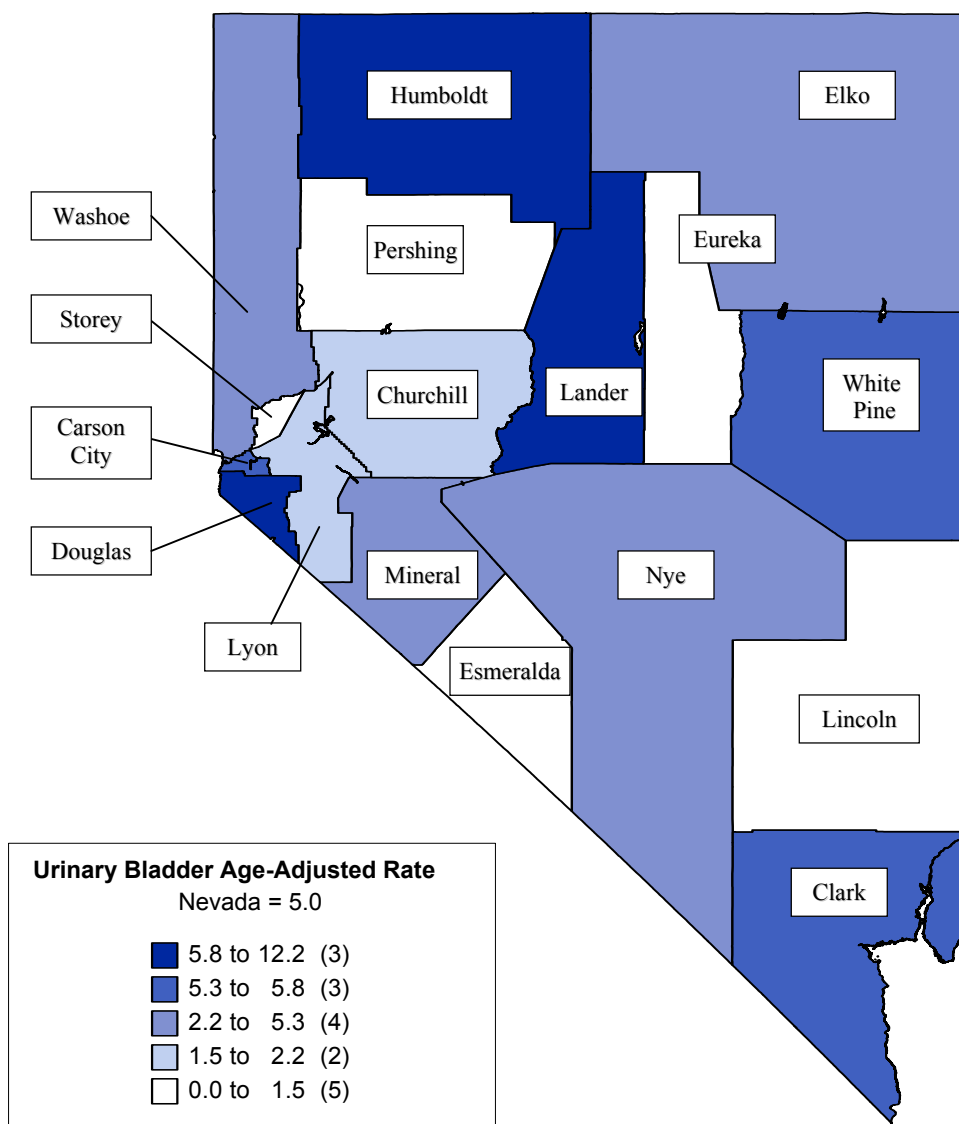
Note: The “---“ is used for rates calculated on numbers less than ten. \*Rates are per 100,000 population. \*\*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

**Table 141. Urinary Bladder 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	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	2	---	---	---	---	---	---
35-44	13	385,712	29,670	23,499	87	6.7	7.0
45-54	59	2,097,638	35,553	29,669	431	7.3	6.0
55-64	182	6,760,033	37,143	23,157	1,404	7.7	6.0
65-74	352	10,396,098	29,534	17,748	2,209	6.3	5.0
75-84	309	9,380,536	30,358	14,135	1,952	6.3	4.0
85+	70	1,206,108	17,230	12,319	392	5.6	3.0
Unknown	0	---	---	---	---	---	---
<b>Total</b>	<b>989</b>	<b>30,402,813</b>	<b>30,741</b>	<b>16,433</b>	<b>6,521</b>	<b>6.6</b>	<b>4.0</b>

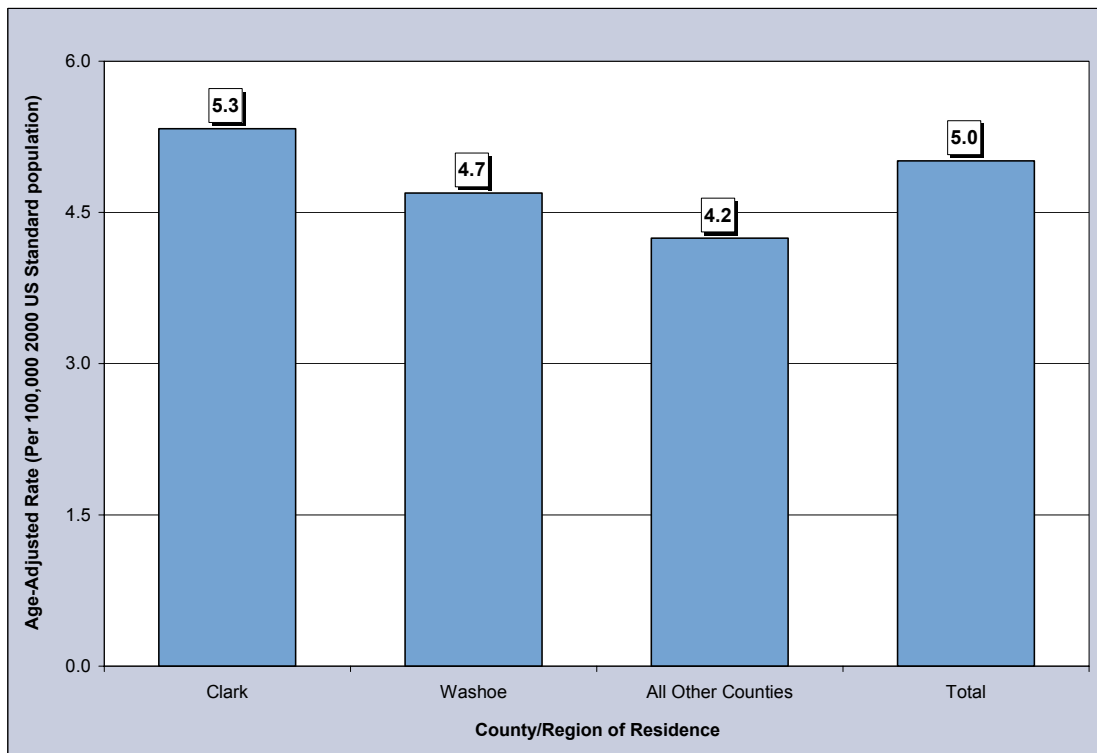
## MORTALITY

**Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000**

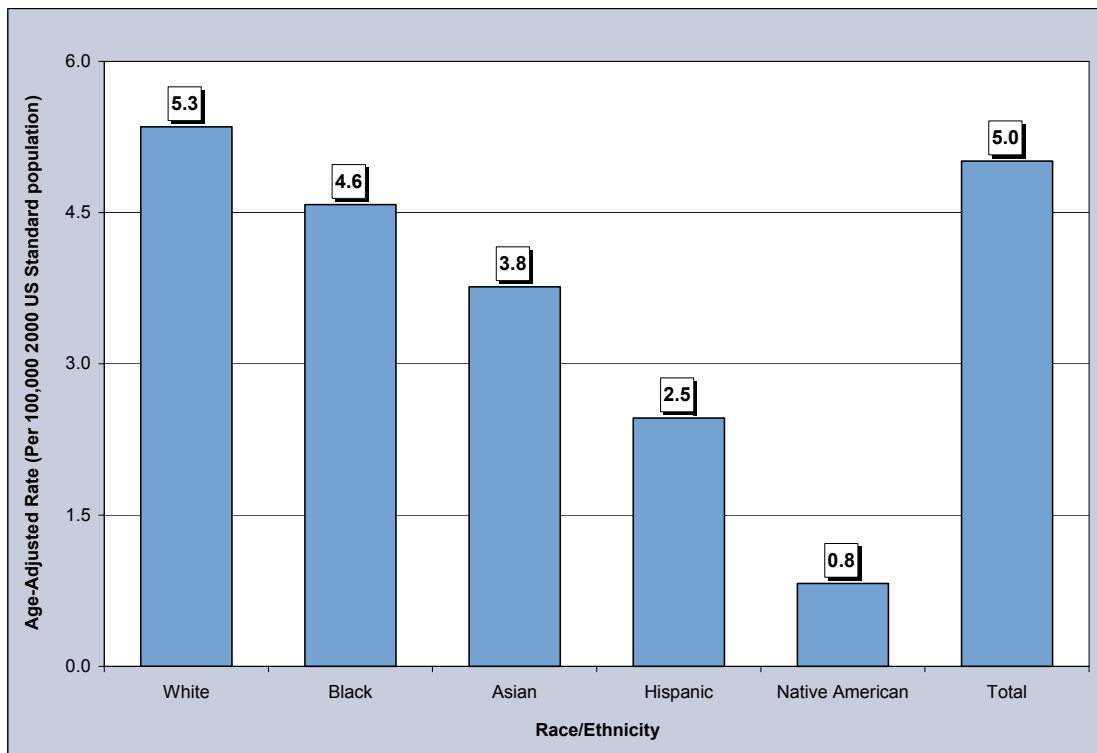


Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

**Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000**



**Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000**



**Table 142. Urinary Bladder 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
<b>Total</b>				
Mortality	379	260	64	55
Rate*	5.0	5.3	4.7	4.2
95% C.I.	(4.5-5.6)	(4.7-6.1)	(3.6-6.1)	(3.2-5.6)
<b>Gender</b>				
Male	268	189	40	39
Rate*	8.0	8.6	6.8	6.8
95% C.I.	(6.9-9.1)	(7.3-10.2)	(4.7-9.7)	(4.7-9.7)
Female	111	71	24	16
Rate*	2.7	2.8	3.2	2.3
95% C.I.	(2.2-3.3)	(2.2-3.5)	(2.0-4.8)	(1.3-3.8)
Other/Unknown	0	0	0	0
<b>Race/Ethnicity</b>				
White	350	237	59	54
Rate*	5.3	5.8	4.8	4.5
95% C.I.	(4.8-6.0)	(5.0-6.6)	(3.7-6.3)	(3.4-6.0)
Black	13	13	0	0
Rate*	4.6	5.0	---	---
95% C.I.	(2.3-8.4)	(2.6-9.3)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	9	6	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	1	0	1	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, 1996-2000**

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
<b>Total</b>				
<b>Mortality</b>	379	260	64	55
<b>Rate*</b>	4.1	4.1	3.9	4.0
<b>95% C.I.</b>	(3.7-4.5)	(3.6-4.6)	(3.0-4.9)	(3.0-5.1)
<b>Age Group</b>				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	4	1	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	13	11	2	0
Rate*	1.1	1.4	---	---
95% C.I.	(0.5-1.7)	(0.6-2.2)	---	---
55-64	55	37	15	3
Rate*	6.4	6.4	10.6	---
95% C.I.	(4.7-8.1)	(4.3-8.4)	(5.2-16.0)	---
65-74	126	83	20	23
Rate*	20.3	20.0	19.8	22.0
95% C.I.	(16.8-23.9)	(15.7-24.3)	(11.1-28.5)	(13.0-31.0)
75-84	126	88	18	20
Rate*	38.4	40.7	32.7	35.4
95% C.I.	(31.7-45.2)	(32.2-49.2)	(17.6-47.8)	(19.9-50.9)
85+	54	39	7	8
Rate*	76.7	91.0	---	---
95% C.I.	(56.2-97.1)	(62.5-119.6)	---	---
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, 1996-2000**

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	16	6.5	(3.3-9.7)	5.7	(3.2-9.4)
Churchill	2	---	---	---	---
Clark	260	4.1	(3.6-4.6)	5.3	(4.7-6.1)
Douglas	13	6.5	(3.0-10.0)	6.0	(3.1-11.3)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	2	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	3	---	---	---	---
Mineral	1	---	---	---	---
Nye	8	---	---	---	---
Pershing	0	---	---	---	---
Storey	0	---	---	---	---
Washoe	64	3.9	(3.0-4.9)	4.7	(3.6-6.1)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
<b>Total</b>	<b>379</b>	<b>4.1</b>	<b>(3.7-4.5)</b>	<b>5.0</b>	<b>(4.5-5.6)</b>

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

**Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000**

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	245	105	350
	Rate*	8.4	3.0	5.3
	95% C.I.	(7.3-9.7)	(2.4-3.6)	(4.8-6.0)
Black	Mortality	9	4	13
	Rate*	---	---	4.6
	95% C.I.	---	---	(2.3-8.4)
Native American	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	4	1	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	8	1	9
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown		1	0	1
Total	Mortality	268	111	379
	Rate*	8.0	2.7	5.0
	95% C.I.	(6.9-9.1)	(2.2-3.3)	(4.5-5.6)

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



**Table 146. Urinary Bladder 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	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
45-54	9	4	13
Rate*	---	---	1.1
95% C.I.	---	---	(0.5-1.7)
55-64	45	10	55
Rate*	10.5	2.3	6.4
95% C.I.	(7.4-13.6)	(0.9-3.7)	(4.7-8.1)
65-74	92	34	126
Rate*	30.1	10.8	20.3
95% C.I.	(23.9-36.2)	(7.2-14.5)	(16.8-23.9)
75-84	89	37	126
Rate*	60.3	20.5	38.4
95% C.I.	(47.8-72.9)	(13.9-27.1)	(31.7-45.2)
85+	31	23	54
Rate*	136.7	48.1	76.7
95% C.I.	(88.6-184.9)	(28.5-67.8)	(56.2-97.1)
Unknown	0	0	0
Total	268	111	379
Rate*	5.7	2.4	4.1
95% C.I.	(5.0-6.3)	(2.0-2.9)	(3.7-4.5)

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

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

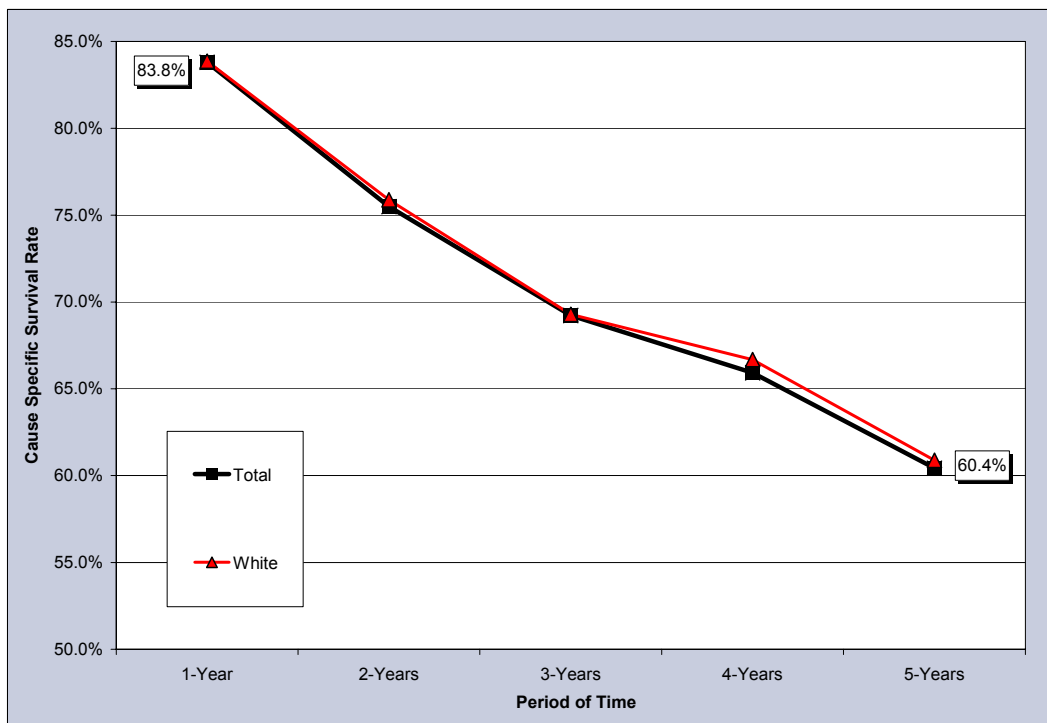
**Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000**

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	245	73.0	105	75.0	350	74.0
Black	9	72.0	4	---	13	77.0
Native American	1	---	0	---	1	---
Asian	4	---	1	---	5	69.0
Hispanic	8	70.0	1	---	9	70.0
Other/Unknown	1	---	0	---	1	---
<b>Total</b>	<b>268</b>	<b>73.0</b>	<b>111</b>	<b>75.0</b>	<b>379</b>	<b>74.0</b>

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

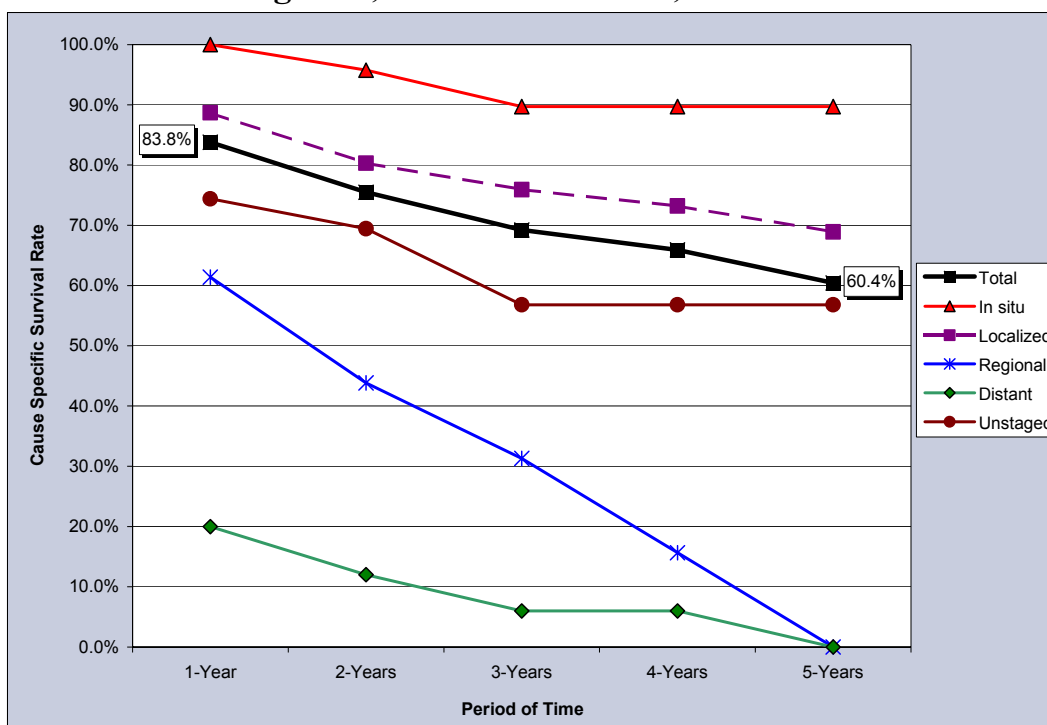
### SURVIVAL RATE

**Figure 99. Survival Rates for Urinary Bladder 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 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000**



**Table 148. Cause-Specific Survival Rates for Urinary Bladder 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	1,285	83.8%	75.5%	69.2%	65.9%	60.4%	>5 years
Male	974	85.0%	76.5%	70.5%	68.2%	60.4%	>5 years
Female	311	80.0%	72.1%	65.3%	59.2%	59.2%	>5 years
<b>Race/Ethnicity</b>							
White	1,212	83.9%	75.9%	69.3%	66.7%	60.9%	>5 years
Male	909	85.2%	77.2%	70.7%	69.5%	61.4%	>5 years
Female	303	79.9%	71.8%	64.8%	58.5%	58.5%	>5 years
Black	21	---	---	---	---	---	---
Male	20	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Native American	1	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	10	---	---	---	---	---	---
Male	7	---	---	---	---	---	---
Female	3	---	---	---	---	---	---
Hispanic	34	---	---	---	---	---	---
Male	31	---	---	---	---	---	---
Female	3	---	---	---	---	---	---

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, 1996-2000**

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,285	974	311
	One Year	83.8%	85.0%	80.0%
	5 Years	60.4%	60.4%	59.2%
	Median Survival	>5 years	>5 years	>5 years
<b>Stage at Diagnosis</b>				
In situ	Cases	309	231	78
	One Year	100.0%	100.0%	100.0%
	5 Years	89.7%	87.2%	0.0%
	Median Survival	>5 years	>5 years	0.00
Localized	Cases	706	546	160
	One Year	88.7%	90.3%	83.2%
	5 Years	68.9%	69.5%	64.4%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	127	95	32
	One Year	61.4%	62.3%	58.3%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	1.65	1.65	1.71
Distant	Cases	51	37	14
	One Year	20.0%	18.8%	23.1%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.63	0.62	0.65
Unstaged	Cases	92	65	27
	One Year	74.4%	75.0%	73.0%
	5 Years	56.8%	0.0%	58.4%
	Median Survival	>5 years	0.00	>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.