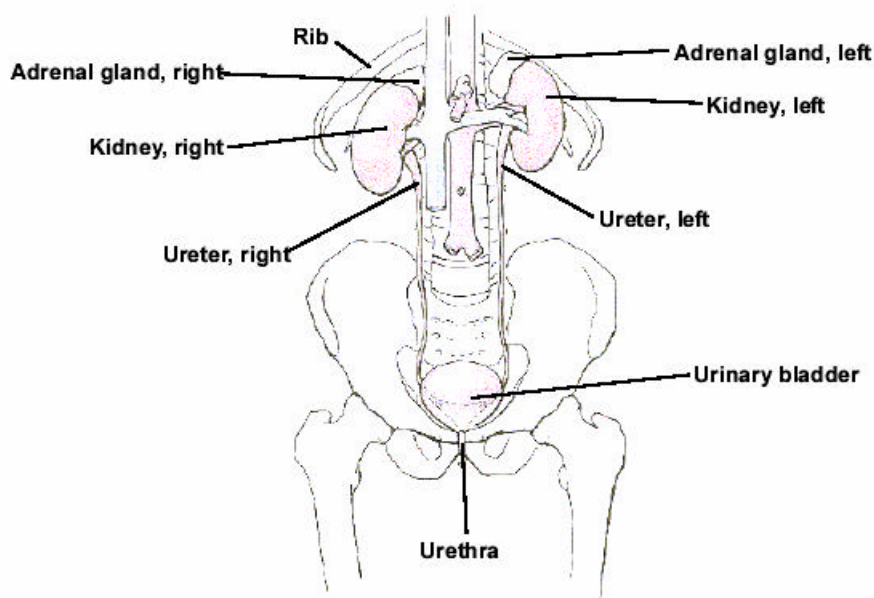


URINARY BLADDER CANCER

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 considerably higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 5.44 while the ratio for females was 4.43. This means that for every death due to Urinary Bladder Cancer there would be 5.44 male cases while only 4.43 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 1997 to 2001 while the median age for females was 71 years. However, the median age at time of death due to Urinary Bladder Cancer was 75 years for Nevada overall, 77 years for females and 74 years of age for males.

INCIDENCE

- There were 2,068 cases of Urinary Bladder Cancer reported in Nevada from 1997 to 2001. Nevada's age-adjusted incidence rate (23.9) for Urinary Bladder Cancer was only slightly higher than the National rate of 20.4 (per 100,000 – 2000 US Standard population).
- While there was little regional variation between All Other Counties (24.7), Clark County (23.8), Washoe County (23.1), and in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for males (39.3) was more than three times the rate for Nevada females (11.0, per 100,000 – 2000 US Standard population) for the 1997 to 2001 period.
- Similar to the National rates, Nevada Whites, as a racial/ethnic group, had an age-adjusted incidence rate (26.0, per 100,000 – 2000 US Standard population) nearly double the rates for all other racial/ethnic groups from 1997 to 2001.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 32.3 million dollars from 1997 to 2001. Nevadans in the 65-74 and 75-84 age groups accounted for 66.2% of the total inpatient discharges and 66.4% of the total billed charges during this period. The overall daily billed amount for these discharges was over \$4,872 in Nevada during this period.
- There were 1,022 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1997 to 2001. Clark County had the highest age-adjusted inpatient discharge rate, 12.8 (11.9-13.9), for Urinary Bladder Cancer in Nevada, and showed statistical significance over the Washoe County rate of 10.1 (8.5-11.9) who had the lowest age-adjusted inpatient discharge rate during the 1997 to 2001 period.
- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer were \$17,544 from 1997 to 2001. Washoe County had the highest median

total billed charge, \$19,622, when compared to the billed amounts for Clark County and All Other Counties of \$17,949 and \$15,362.

MORTALITY

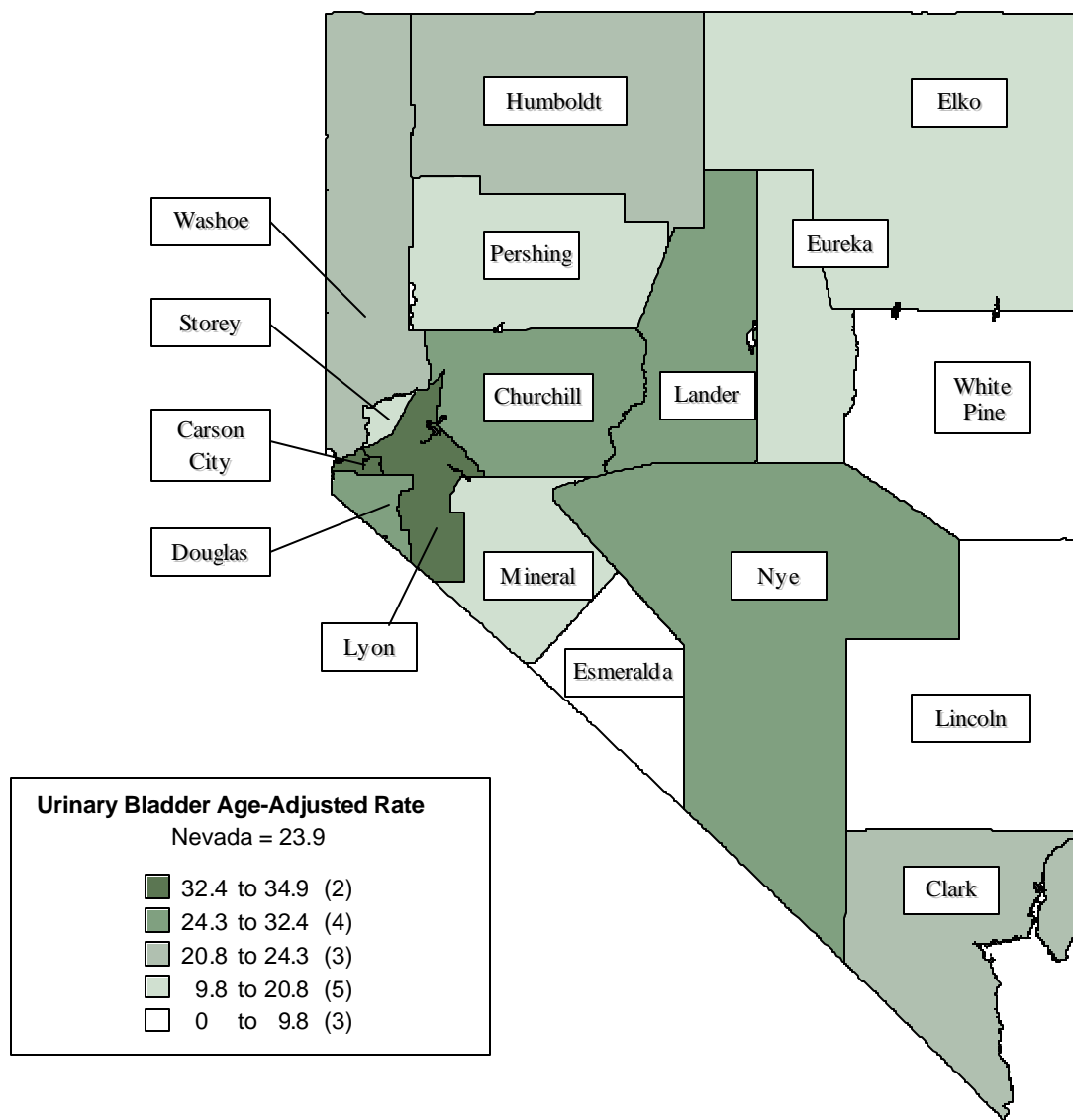
- There were 401 resident deaths due to Urinary Bladder Cancer from 1997 to 2001. Regional comparisons were fairly similar between Clark, All Other Counties and, Washoe, as a region, with rates of 5.3, 4.9 and 4.5 (per 100,000 – 2000 US Standard population), respectively.
- Nevadan males had a 34.4% higher statistically significant age-adjusted mortality rate, 8.3 (7.3-9.5), for Urinary Bladder Cancer when compared to the female rate of 2.7 (2.2-3.2) (per 100,000 – 2001 US Standard population) for the 1997 to 2001 period.

SURVIVAL RATE

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1997 to 2001 period, with rates of 83.0% and 79.2%, respectively. This difference lessened by the five-year rate where males had a rate of 60.5% and females had a rate of 59.5%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 94.6%, with those at the localized stage at 82.3%, and those recorded at the regional, distant and unstaged stages had rates of 70.7%, 42.5% and 70.1%, respectively.
- The median survival time for those diagnosed at the in situ and localized stages was over five years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 2.61, 0.87 and 3.90 years, respectively.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2001) Incidence Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1997-2001

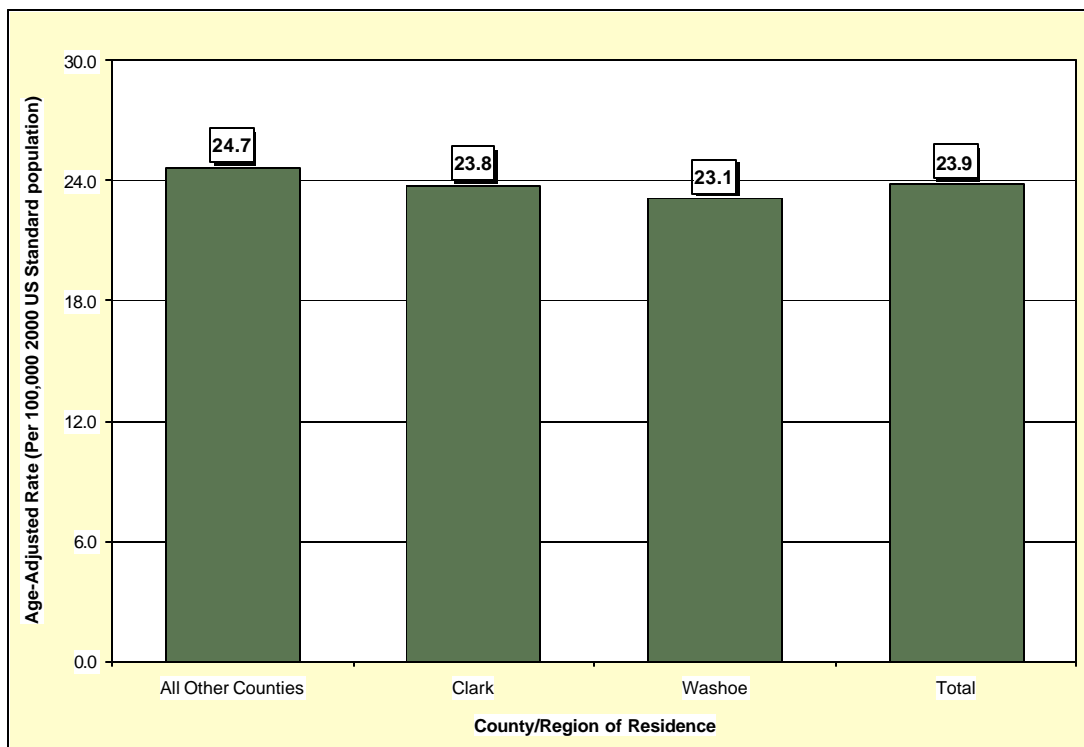


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1997-2001

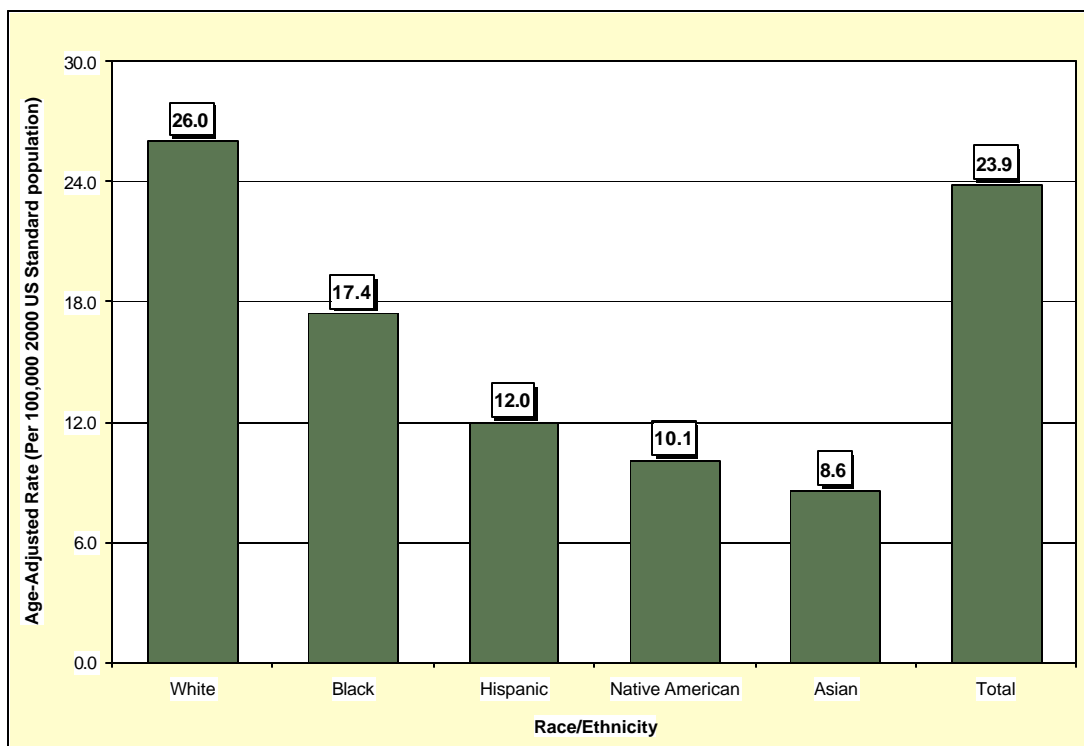


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	2,068	1,376	337	354	1	34,766
Rate*	23.9	23.8	23.1	24.7	---	20.4
95% C.I.	(22.8-24.9)	(22.5-25.1)	(20.7-25.8)	(22.1-27.5)	---	(20.2-20.6)
Gender						
Male	1,567	1,044	248	274	1	25,847
Rate*	39.3	38.9	38.0	41.2	---	36.1
95% C.I.	(37.2-41.5)	(36.4-41.7)	(33.2-43.6)	(36.2-46.9)	---	(35.7-36.6)
Female	501	332	89	80	0	8,919
Rate*	11.0	11.0	11.4	10.6	---	9.1
95% C.I.	(10.0-12.0)	(9.8-12.3)	(9.1-14.0)	(8.4-13.3)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,897	1,255	308	334	0	31,167
Rate*	26.0	26.7	24.1	25.3	---	22.5
95% C.I.	(24.9-27.3)	(25.2-28.3)	(21.4-27.0)	(22.6-28.3)	---	(22.2-22.7)
Black	68	53	7	8	0	1,678
Rate*	17.4	15.2	---	---	---	12.6
95% C.I.	(13.3-22.7)	(11.2-20.7)	---	---	---	(12.0-13.2)
Native American	9	4	4	0	1	79
Rate*	---	---	---	---	---	5.6
95% C.I.	---	---	---	---	---	(4.4-4.4)
Asian	22	14	4	4	0	1,573
Rate*	8.6	6.4	---	---	---	9.6
95% C.I.	(4.6-15.9)	(2.8-14.6)	---	---	---	(9.1-10.1)
Hispanic	63	41	14	8	0	1,574
Rate*	12.0	9.9	19.1	---	---	10.5
95% C.I.	(8.8-16.4)	(6.5-14.9)	(9.4-37.9)	---	---	(10.0-11.1)
Other/Unknown	9	9	0	0	0	269

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

Note: The "----" is used for rates calculated on numbers less than ten 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 (1997-2001) and SEER-11 (1997-2001)

Category	County/Region of Residence					SEER 11 (1997-2001)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	2,068	1,376	337	354	1	34,766
Rate*	21.2	20.7	20.1	25.3	---	18.8
95% C.I.	(20.3-22.2)	(19.6-21.7)	(17.9-22.2)	(22.7-28.0)	---	(18.6-19.0)
Age Group						
<1	2	0	2	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	1	1	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	7
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	42
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	12	8	4	0	0	188
Rate*	0.8	---	---	---	---	0.6
95% C.I.	(0.4-1.3)	---	---	---	---	(0.6-0.7)
35-44	48	28	8	11	1	882
Rate*	3.1	2.7	---	4.9	---	2.8
95% C.I.	(2.2-4.0)	(1.7-3.7)	---	(2.0-7.7)	---	(2.6-3.0)
45-54	167	109	34	24	0	2,813
Rate*	13.0	12.9	14.4	12.0	---	12.3
95% C.I.	(11.0-15.0)	(10.5-15.3)	(9.5-19.2)	(7.2-16.7)	---	(11.8-12.7)
55-64	390	266	57	67	0	5,731
Rate*	42.6	42.8	38.0	46.4	---	40.9
95% C.I.	(38.3-46.8)	(37.7-47.9)	(28.1-47.8)	(35.3-57.5)	---	(39.9-42.0)
65-74	717	471	118	128	0	10,371
Rate*	111.6	108.9	115.1	119.4	---	89.9
95% C.I.	(103.5-119.8)	(99.1-118.7)	(94.3-135.9)	(98.7-140.1)	---	(88.2-91.6)
75-84	588	410	84	94	0	10,921
Rate*	167.4	175.6	145.3	156.9	---	150.2
95% C.I.	(153.9-180.9)	(158.6-192.5)	(114.2-176.3)	(125.2-188.6)	---	(147.4-153.1)
85+	139	80	29	30	0	3,803
Rate*	182.3	171.3	187.0	213.8	---	153.3
95% C.I.	(152.0-212.6)	(133.8-208.9)	(118.9-255.0)	(137.3-290.3)	---	(148.5-158.2)
Unknown	1	0	1	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, 1997-2001

County of Residence at Diagnosis	1997-2001 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	102	40.9	(33.0-48.9)	34.9	(28.4-42.6)
Churchill	28	23.2	(14.6-31.8)	24.4	(16.1-35.8)
Clark	1,376	20.7	(19.6-21.7)	23.8	(22.5-25.1)
Douglas	65	31.7	(24.0-39.4)	28.5	(21.6-37.4)
Elko	11	4.8	(1.9-7.6)	9.8	(4.4-19.3)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	13	15.5	(7.1-23.9)	20.9	(10.6-38.5)
Lander	5	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	63	37.0	(27.9-46.2)	32.5	(24.8-42.2)
Mineral	5	---	---	---	---
Nye	51	32.4	(23.5-41.4)	24.5	(17.8-33.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	337	20.1	(17.9-22.2)	23.1	(20.7-25.8)
White Pine	3	---	---	---	---
Unknown	1	---	---	---	---
Total	2,068	21.2	(20.3-22.2)	23.9	(22.8-24.9)

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 2001 US Standard population.

Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	1,434	463	0	1,897
	Rate*	42.3	12.2	---	26.0
	95% C.I.	(40.0-44.8)	(11.1-13.4)	---	(24.9-27.3)
Black	Incidence	49	19	0	68
	Rate*	26.7	9.4	---	17.4
	95% C.I.	(19.1-38.2)	(5.5-15.3)	---	(13.3-22.7)
Native American	Incidence	8	1	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	15	7	0	22
	Rate*	14.4	---	---	8.6
	95% C.I.	(6.4-30.6)	---	---	(4.6-15.9)
Hispanic	Incidence	52	11	0	63
	Rate*	22.1	4.4	---	12.0
	95% C.I.	(14.9-32.8)	(2.0-8.8)	---	(8.8-16.4)
Other/Unknown		9	0	0	9
Total	Incidence	1,567	501	0	2,068
	Rate*	39.3	11.0	---	23.9
	95% C.I.	(37.2-41.5)	(10.0-12.0)	---	(22.8-24.9)

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

Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	2	0	0	2
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	8	4	0	12
Rate*	---	---	---	0.8
95% C.I.	---	---	---	(0.4-1.3)
35-44	33	15	0	48
Rate*	4.1	2.0	---	3.1
95% C.I.	(2.7-5.5)	(1.0-3.0)	---	(2.2-4.0)
45-54	127	40	0	167
Rate*	19.5	6.3	---	13.0
95% C.I.	(16.1-22.9)	(4.4-8.3)	---	(11.0-15.0)
55-64	308	82	0	390
Rate*	67.7	17.8	---	42.6
95% C.I.	(60.1-75.3)	(13.9-21.6)	---	(38.3-46.8)
65-74	558	159	0	717
Rate*	176.1	48.9	---	111.6
95% C.I.	(161.4-190.7)	(41.3-56.5)	---	(103.5-119.8)
75-84	432	156	0	588
Rate*	272.5	80.9	---	167.4
95% C.I.	(246.8-298.2)	(68.2-93.6)	---	(153.9-180.9)
85+	96	43	0	139
Rate*	387.9	83.5	---	182.3
95% C.I.	(310.3-465.5)	(58.6-108.5)	---	(152.0-212.6)
Unknown	1	0	0	1
Total	1,567	501	0	2,068
Rate*	31.7	10.5	---	21.2
95% C.I.	(30.1-33.2)	(9.5-11.4)	---	(20.3-22.2)

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, 1997-2001

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	1	0	0	1	2
	Percent	---	50.0%	---	---	50.0%	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	3	6	0	1	2	12
	Percent	25.0%	50.0%	---	8.3%	16.7%	100.0%
35-44	Number	14	27	2	2	3	48
	Percent	29.2%	56.3%	4.2%	4.2%	6.3%	100.0%
45-54	Number	68	73	11	5	10	167
	Percent	40.7%	43.7%	6.6%	3.0%	6.0%	100.0%
55-64	Number	113	183	44	17	33	390
	Percent	29.0%	46.9%	11.3%	4.4%	8.5%	100.0%
65-74	Number	207	351	56	26	77	717
	Percent	28.9%	49.0%	7.8%	3.6%	10.7%	100.0%
75-84	Number	162	291	55	14	66	588
	Percent	27.6%	49.5%	9.4%	2.4%	11.2%	100.0%
85+	Number	33	67	9	4	26	139
	Percent	23.7%	48.2%	6.5%	2.9%	18.7%	100.0%
Unknown	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
Total	Number	602	1,001	177	69	219	2,068
	Percent	29.1%	48.4%	8.6%	3.3%	10.6%	100.0%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1997-2001

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	541	21	1	10	26	3	602
	Percent	28.5%	30.9%	11.1%	45.5%	41.3%	33.3%	29.1%
Localized	Number	929	30	4	6	27	5	1,001
	Percent	49.0%	44.1%	44.4%	27.3%	42.9%	55.6%	48.4%
Regional	Number	164	5	1	3	4	0	177
	Percent	8.6%	7.4%	11.1%	13.6%	6.3%	---	8.6%
Distant	Number	62	4	0	1	2	0	69
	Percent	3.3%	5.9%	---	4.5%	3.2%	---	3.3%
Unstaged	Number	201	8	3	2	4	1	219
	Percent	10.6%	11.8%	33.3%	9.1%	6.3%	11.1%	10.6%
Total	Number	1,897	68	9	22	63	9	2,068
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

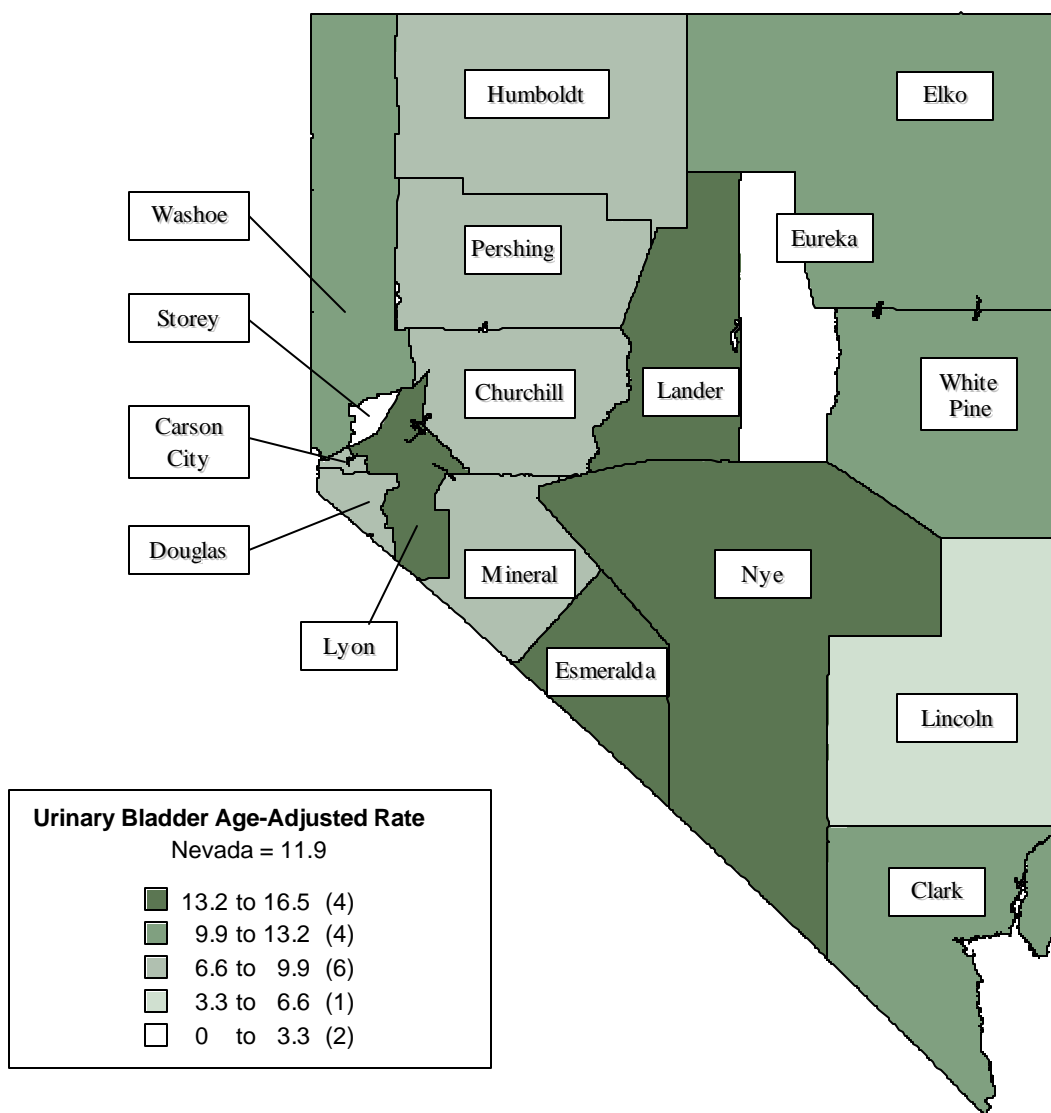
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	1,433	71.0	463	71.0	1,896	71.0
Black	49	69.0	19	74.0	68	69.0
Native American	8	66.0	1	---	9	61.0
Asian	15	71.0	7	76.0	22	72.0
Hispanic	52	65.0	11	70.0	63	67.0
Other/Unknown	9	70.0	0	---	9	70.0
Total	1,566	70.0	501	71.0	2,067	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 (2001) Inpatient Discharge Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1997-2001

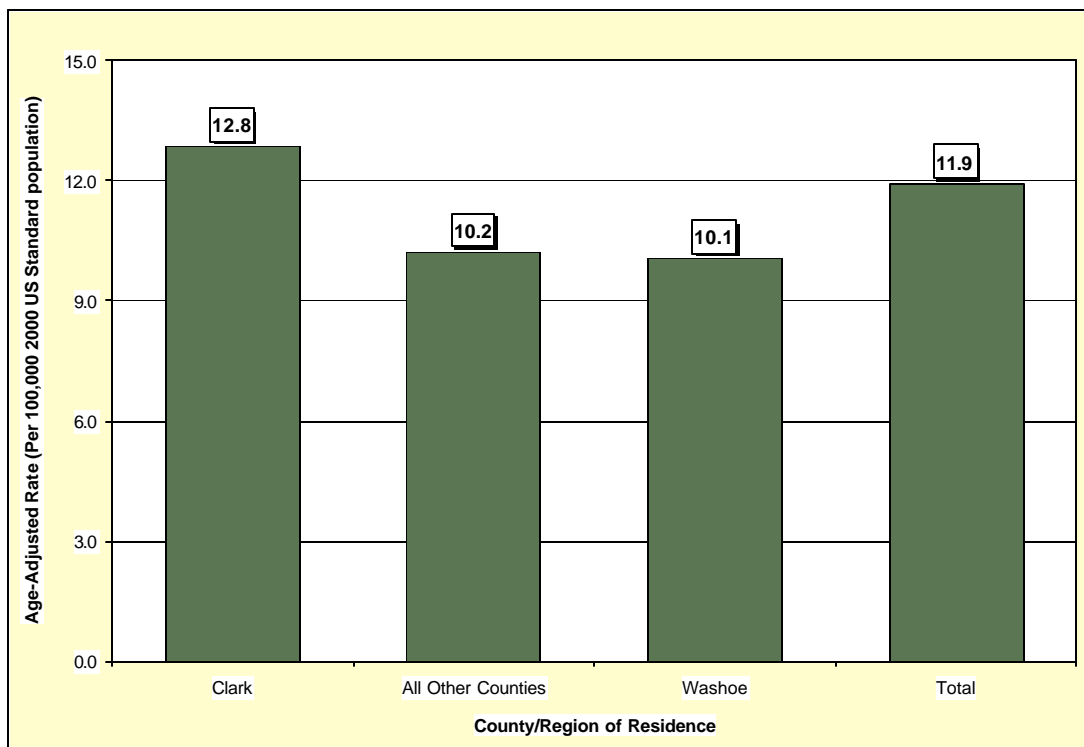


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

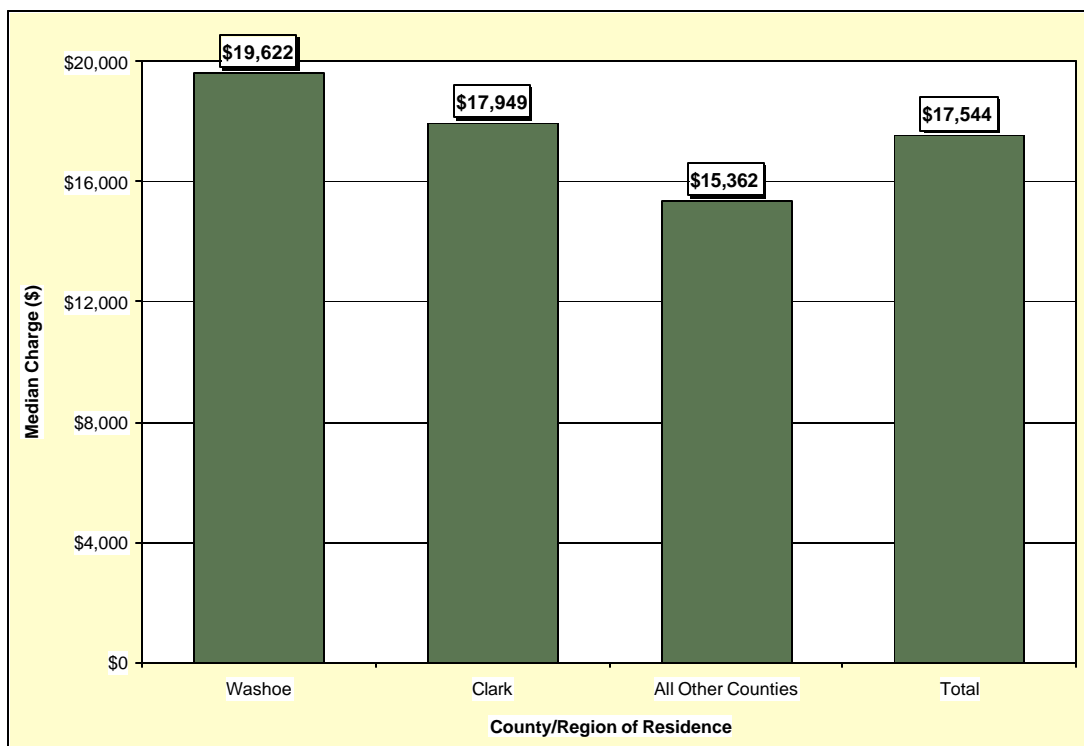


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1997-2001

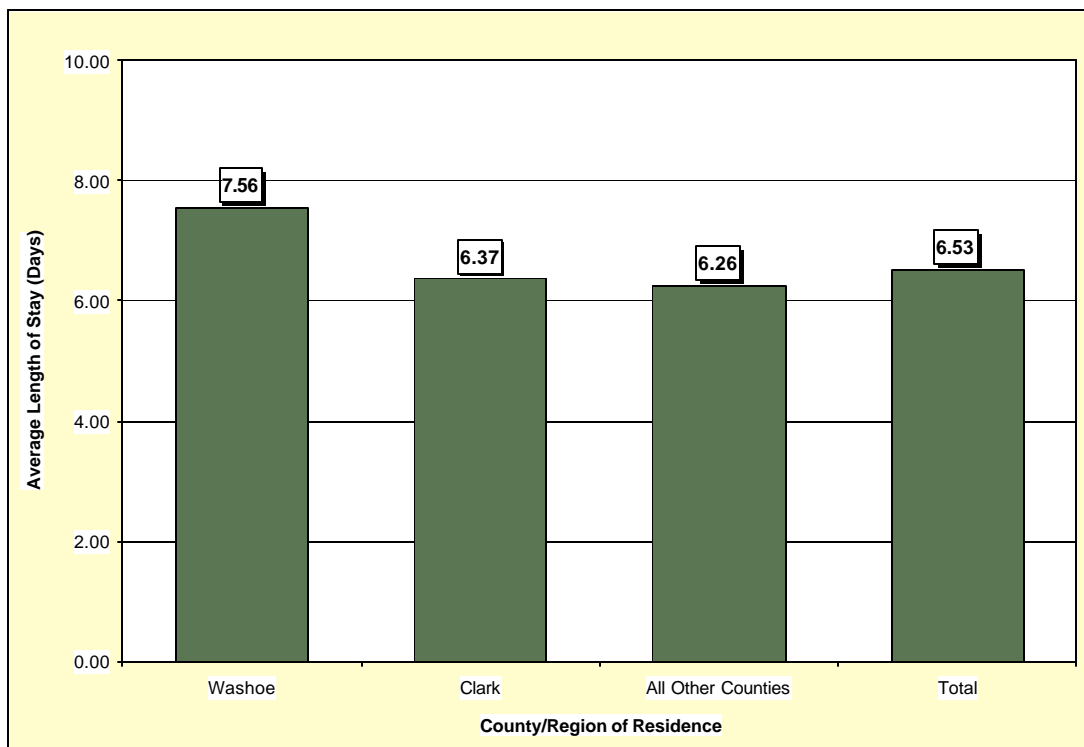


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,022	728	144	149	1
Rate*	11.9	12.8	10.1	10.2	---
95% C.I.	(11.2-12.7)	(11.9-13.9)	(8.5-11.9)	(8.6-12.1)	---
Gender					
Male	762	559	92	110	1
Rate*	19.4	21.6	14.2	16.3	---
95% C.I.	(17.9-21.0)	(19.7-23.7)	(11.3-17.7)	(13.2-20.0)	---
Female	260	169	52	39	0
Rate*	5.8	5.7	6.7	5.1	---
95% C.I.	(5.1-6.5)	(4.9-6.7)	(5.0-8.8)	(3.6-7.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$32,369,616	\$22,724,052	\$5,542,994	\$4,067,369	\$35,201
Average Charges	\$31,673	\$31,214	\$38,493	\$27,298	\$35,201
Median Charges	\$17,544	\$17,949	\$19,622	\$15,362	\$35,201
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,672	4,639	1,088	933	12
Average LOS	6.5	6.4	7.6	6.3	12.0
Median LOS	4.0	4.0	5.5	4.0	12.0

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

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

Table 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,022	728	144	149	1
Rate*	10.5	10.9	8.6	10.7	---
95% C.I.	(9.9-11.1)	(10.1-11.7)	(7.2-10.0)	(9.0-12.4)	---
Age Group					
<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	5	5	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	16	12	2	2	0
Rate*	1.0	1.1	---	---	---
95% C.I.	(0.5-1.5)	(0.5-1.8)	---	---	---
45-54	58	41	11	6	0
Rate*	4.5	4.8	4.7	---	---
95% C.I.	(3.4-5.7)	(3.4-6.3)	(1.9-7.4)	---	---
55-64	193	139	22	32	0
Rate*	21.1	22.4	14.7	21.3	---
95% C.I.	(18.1-24.0)	(18.6-26.1)	(8.5-20.8)	(13.9-28.7)	---
65-74	338	231	51	56	0
Rate*	52.6	53.4	49.7	54.6	---
95% C.I.	(47.0-58.2)	(46.5-60.3)	(36.1-63.4)	(40.3-68.9)	---
75-84	339	247	47	44	1
Rate*	96.5	105.8	81.3	76.1	---
95% C.I.	(86.2-106.8)	(92.6-118.9)	(58.0-104.5)	(53.6-98.6)	---
85+	71	51	11	9	0
Rate*	93.1	109.2	70.9	---	---
95% C.I.	(71.5-114.8)	(79.2-139.2)	(29.0-112.8)	---	---
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, 1997-2001

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	3	2	5
Rate*	---	---	---
95% C.I.	---	---	---
35-44	11	5	16
Rate*	1.4	---	1.0
95% C.I.	(0.6-2.2)	---	(0.5-1.5)
45-54	37	21	58
Rate*	5.7	3.3	4.5
95% C.I.	(3.9-7.5)	(1.9-4.7)	(3.4-5.7)
55-64	156	37	193
Rate*	34.3	8.0	21.1
95% C.I.	(28.9-39.7)	(5.4-10.6)	(18.1-24.0)
65-74	259	79	338
Rate*	81.7	24.3	52.6
95% C.I.	(71.8-91.7)	(18.9-29.6)	(47.0-58.2)
75-84	247	92	339
Rate*	155.8	47.7	96.5
95% C.I.	(136.4-175.2)	(38.0-57.5)	(86.2-106.8)
85+	47	24	71
Rate*	189.9	46.6	93.1
95% C.I.	(135.6-244.2)	(28.0-65.3)	(71.5-114.8)
Unknown	0	0	0
Total	762	260	1,022
Rate*	15.4	5.4	10.5
95% C.I.	(14.3-16.5)	(4.8-6.1)	(9.9-11.1)

* 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, 1997-2001

County of Residence	1997-2001 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	22	8.8	(5.1-12.5)	7.2	(4.5-11.2)
Churchill	11	9.1	(3.7-14.5)	9.5	(4.7-17.8)
Clark	728	10.9	(10.1-11.7)	12.8	(11.9-13.9)
Douglas	19	9.3	(5.1-13.4)	7.6	(4.5-12.8)
Elko	11	4.8	(1.9-7.6)	11.7	(5.5-22.2)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	33	19.4	(12.8-26.0)	16.5	(11.3-23.8)
Mineral	4	---	---	---	---
Nye	32	20.4	(13.3-27.4)	15.0	(9.9-22.9)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	144	8.6	(7.2-10.0)	10.1	(8.5-11.9)
White Pine	7	---	---	---	---
Unknown	1	---	---	---	---
Total	1,022	10.5	(9.9-11.1)	11.9	(11.2-12.7)

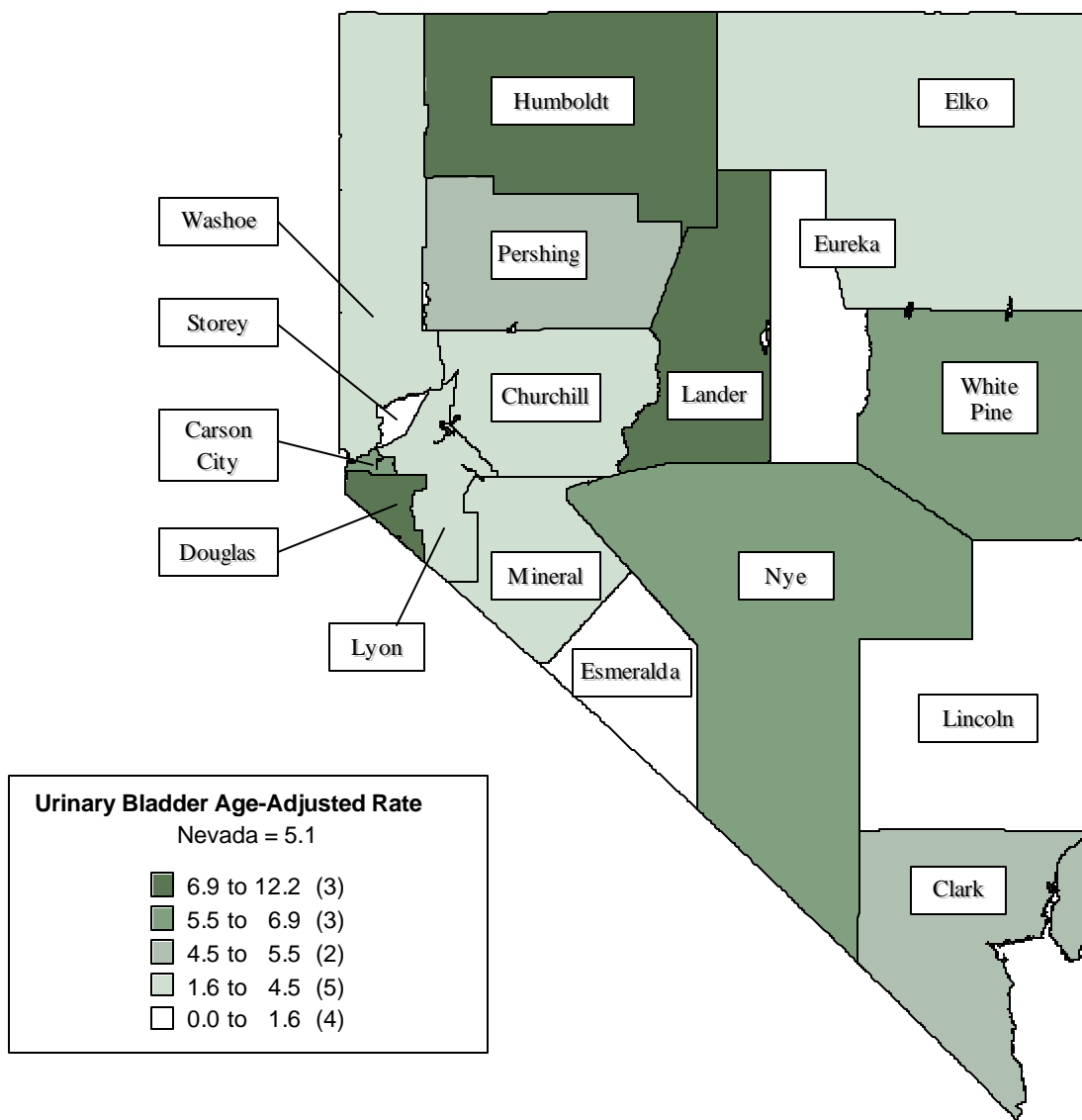
Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2001 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1997-2001

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	5	180,094	36,019	23,729	36	7.2	6.0
35-44	16	468,039	29,252	24,128	98	6.1	5.5
45-54	58	1,846,879	31,843	22,956	374	6.4	5.5
55-64	193	6,993,859	36,238	23,931	1,397	7.2	6.0
65-74	338	10,619,146	31,418	19,613	2,170	6.4	5.0
75-84	339	10,899,799	32,153	15,479	2,176	6.4	4.0
85+	71	1,241,630	17,488	12,431	393	5.5	3.0
Unknown	0	---	---	---	---	---	---
Total	1,022	516,075	989	30,741	87	989.0	6.6

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2001) Mortality Rates, Nevada Residents, 1997-2001



Note: Rates are per 100,000 population and age-adjusted to 2001 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1997-2001

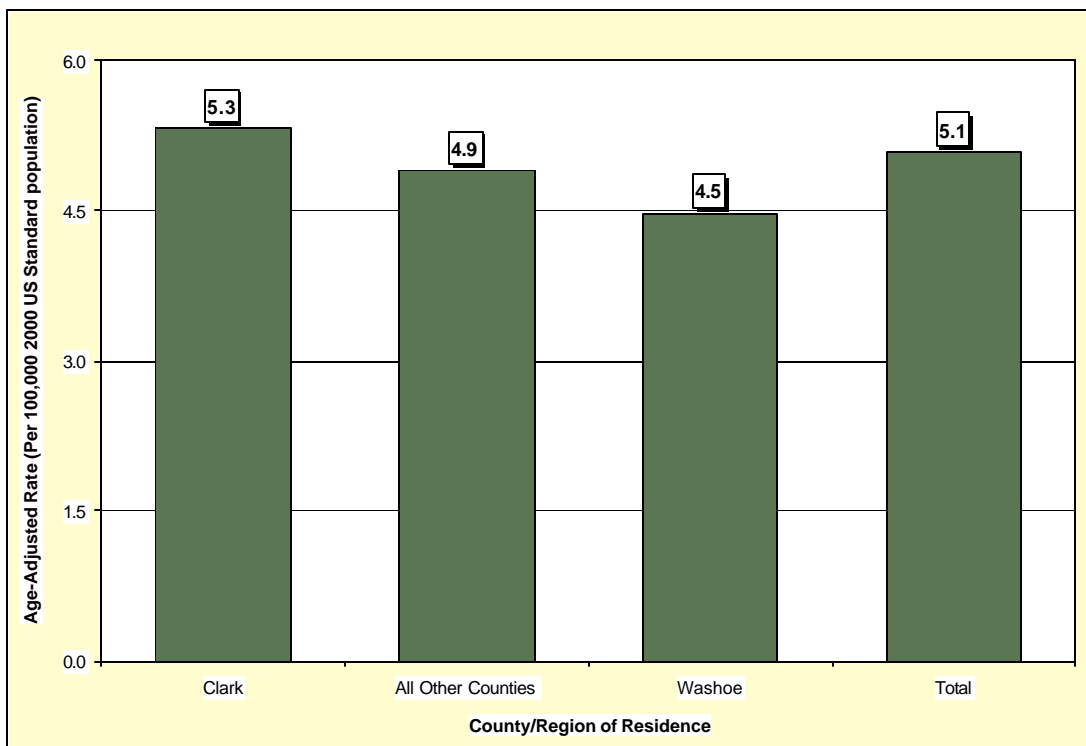


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1997-2001

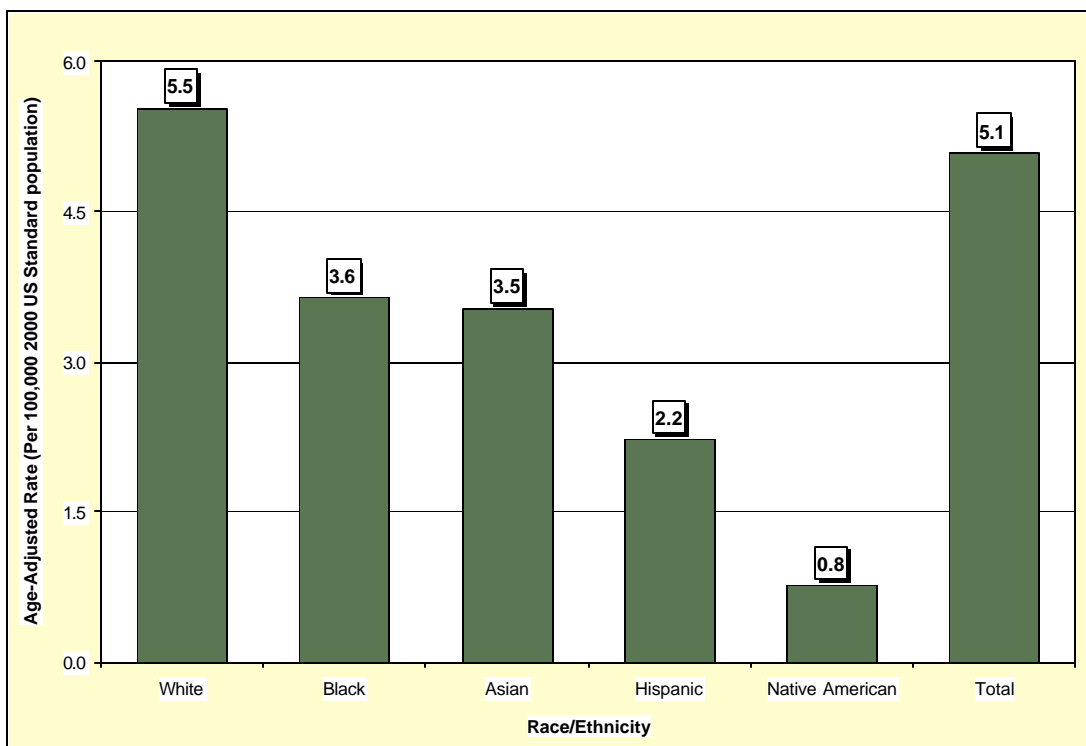


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	401	272	62	67
Rate*	5.1	5.3	4.5	4.9
95% C.I.	(4.6-5.6)	(4.7-6.1)	(3.4-5.8)	(3.8-6.3)
Gender				
Male	288	199	40	49
Rate*	8.3	8.7	6.8	8.2
95% C.I.	(7.3-9.5)	(7.4-10.3)	(4.8-9.7)	(5.9-11.2)
Female	113	73	22	18
Rate*	2.7	2.7	2.8	2.4
95% C.I.	(2.2-3.2)	(2.1-3.5)	(1.8-4.3)	(1.4-3.9)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	376	251	58	67
Rate*	5.5	5.9	4.7	5.3
95% C.I.	(5.0-6.1)	(5.1-6.7)	(3.5-6.1)	(4.1-6.8)
Black	11	11	0	0
Rate*	3.6	4.0	---	---
95% C.I.	(1.7-7.0)	(1.9-7.8)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	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 2001 US Standard population.

Table 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1997-2001

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	401	272	62	67
Rate*	4.1	4.1	3.7	4.8
95% C.I.	(3.7-4.5)	(3.6-4.6)	(2.8-4.6)	(3.6-5.9)
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	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	4	1	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	10	8	2	0
Rate*	0.8	---	---	---
95% C.I.	(0.3-1.3)	---	---	---
55-64	67	44	13	10
Rate*	7.3	7.1	8.7	6.9
95% C.I.	(5.6-9.1)	(5.0-9.2)	(4.0-13.4)	(2.6-11.2)
65-74	111	70	17	24
Rate*	17.3	16.2	16.6	22.4
95% C.I.	(14.1-20.5)	(12.4-20.0)	(8.7-24.5)	(13.4-31.3)
75-84	142	102	18	22
Rate*	40.4	43.7	31.1	36.7
95% C.I.	(33.8-47.1)	(35.2-52.1)	(16.7-45.5)	(21.4-52.1)
85+	66	46	10	10
Rate*	86.6	98.5	64.5	71.3
95% C.I.	(65.7-107.5)	(70.0-127.0)	(24.5-104.4)	(27.1-115.4)
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, 1997-2001

County of Residence	1997-2001 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	19	7.6	(4.2-11.1)	6.5	(3.9-10.3)
Churchill	2	---	---	---	---
Clark	272	4.1	(3.6-4.6)	5.3	(4.7-6.1)
Douglas	16	7.8	(4.0-11.6)	7.6	(4.2-13.3)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	5	---	---	---	---
Mineral	1	---	---	---	---
Nye	10	6.4	(2.4-10.3)	5.5	(2.4-11.7)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	62	3.7	(2.8-4.6)	4.5	(3.4-5.8)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	401	4.1	(3.7-4.5)	5.1	(4.6-5.6)

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

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	271	105	376
	Rate*	9.0	2.9	5.5
	95% C.I.	(7.9-10.3)	(2.4-3.5)	(5.0-6.1)
Black	Mortality	7	4	11
	Rate*	---	---	3.6
	95% C.I.	---	---	(1.7-7.0)
Native American	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	3	2	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	6	2	8
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown		0	0	0
Total	Mortality	288	113	401
	Rate*	8.3	2.7	5.1
	95% C.I.	(7.3-9.5)	(2.2-3.2)	(4.6-5.6)

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

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1997-2001

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	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	6	4	10
Rate*	---	---	0.8
95% C.I.	---	---	(0.3-1.3)
55-64	53	14	67
Rate*	11.6	3.0	7.3
95% C.I.	(8.5-14.8)	(1.4-4.6)	(5.6-9.1)
65-74	87	24	111
Rate*	27.4	7.4	17.3
95% C.I.	(21.7-33.2)	(4.4-10.3)	(14.1-20.5)
75-84	101	41	142
Rate*	63.7	21.3	40.4
95% C.I.	(51.3-76.1)	(14.8-27.8)	(33.8-47.1)
85+	39	27	66
Rate*	157.6	52.4	86.6
95% C.I.	(108.1-207.1)	(32.7-72.2)	(65.7-107.5)
Unknown	0	0	0
Total	288	113	401
Rate*	5.8	2.4	4.1
95% C.I.	(5.1-6.5)	(1.9-2.8)	(3.7-4.5)

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

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

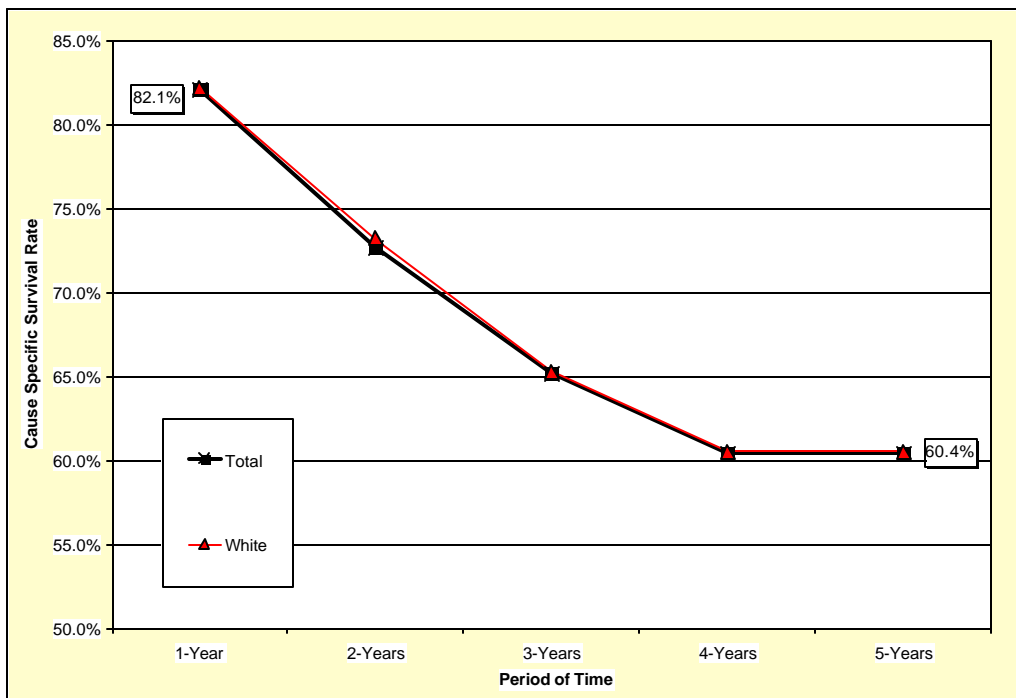
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	271	74.0	105	76.0	376	75.0
Black	7	72.0	4	---	11	77.0
Native American	1	---	0	---	1	---
Asian	3	---	2	---	5	79.0
Hispanic	6	69.0	2	---	8	78.5
Other/Unknown	0	---	0	---	0	---
Total	288	74.0	113	77.0	401	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, 1997-2001



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

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1997-2001

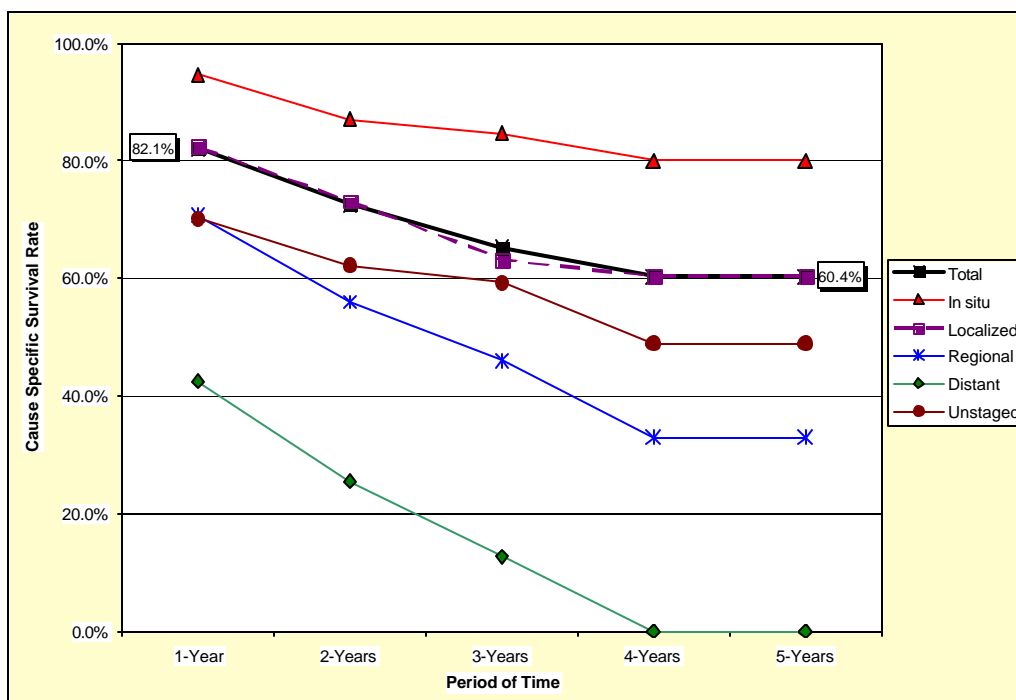


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1997-2001

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,603	82.1%	72.6%	65.2%	60.4%	60.4%	>5 years
Male	1,209	83.0%	73.8%	66.5%	60.5%	60.5%	>5 years
Female	394	79.2%	69.1%	61.3%	59.5%	59.5%	>5 years
Race/Ethnicity							
White	1,464	82.2%	73.2%	65.3%	60.5%	60.5%	>5 years
Male	1,099	82.9%	74.1%	66.5%	60.6%	60.6%	>5 years
Female	365	80.0%	70.4%	61.7%	59.7%	59.7%	>5 years
Black	50	81.3%	65.1%	56.9%	56.9%	56.9%	>5 years
Male	37	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Native American	6	---	---	---	---	---	---
Male	5	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	19	---	---	---	---	---	---
Male	13	---	---	---	---	---	---
Female	6	---	---	---	---	---	---
Hispanic	55	75.6%	55.4%	55.4%	55.4%	55.4%	>5 years
Male	46	---	---	---	---	---	---
Female	9	---	---	---	---	---	---

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, 1997-2001

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,603	1,209	394
	One Year	82.1%	83.0%	79.2%
	5 Years	60.4%	60.5%	59.5%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	477	354	123
	One Year	94.6%	94.8%	93.9%
	5 Years	80.0%	76.1%	93.9%
	Median Survival	>5 years	>5 years	>5 years
Localized	Cases	783	604	179
	One Year	82.3%	83.2%	79.4%
	5 Years	60.4%	60.7%	58.7%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	128	90	38
	One Year	70.7%	73.8%	---
	5 Years	33.0%	37.9%	---
	Median Survival	2.61	2.87	---
Distant	Cases	53	37	16
	One Year	42.5%	---	---
	5 Years	---	---	---
	Median Survival	0.87	---	---
Unstaged	Cases	162	124	38
	One Year	70.1%	71.0%	---
	5 Years	49.0%	47.5%	---
	Median Survival	3.90	3.83	---

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.