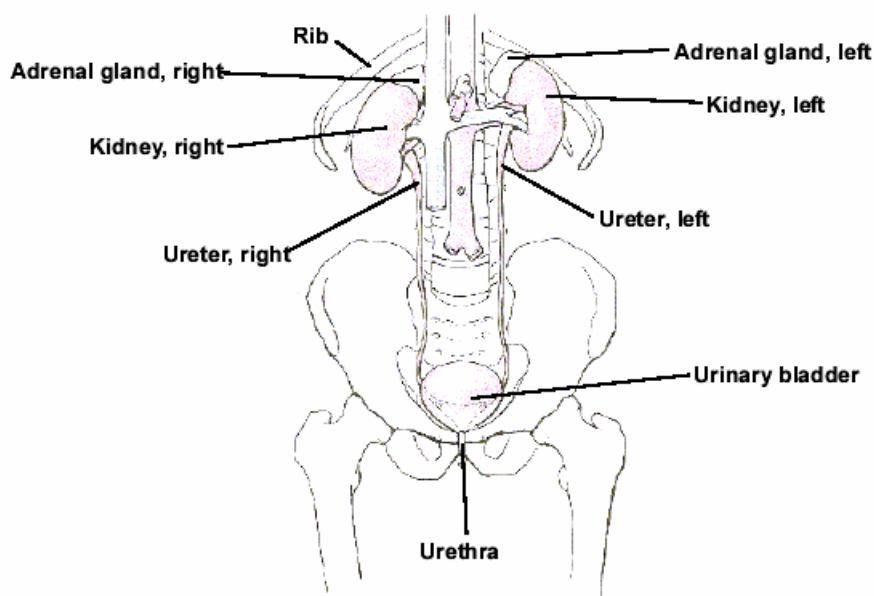


URINARY BLADDER CANCER

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

- From 2000 to 2004, 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 5.10 while the ratio for females was 4.17. This means that for every 100 deaths due to Urinary Bladder Cancer there would be 510 male cases and 417 female cases.
- The median age at diagnosis of Urinary Bladder Cancer for Nevadans was 71 years of age from 2000 to 2004. The median age at time of death due to Urinary Bladder Cancer during this period was 76 years.

INCIDENCE

- There were 2,567 cases of Urinary Bladder Cancer reported in Nevada from 2000 to 2004. Nevada's age-adjusted incidence rate, 25.7 (24.7-26.7), for Urinary Bladder Cancer showed statistical significance over the national rate of 21.13 (21.0-21.3, per 100,000 – 2000 US Standard population).
- While there was little regional variation between All Other Counties (28.2), Washoe County (25.2), and Clark County (25.1) in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for males, 43.2, was 3.9 times as the rate for Nevada females, 11.1, (per 100,000 – 2000 US Standard population) for the 2000 to 2004 period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for approximately 43.0 million dollars from 2000 to 2004. Nevadans in the 65-74 and 75-84 age groups accounted for 66.5% of the total inpatient discharges and 70.1% of the total billed charges during this period. The overall daily billed amount for these discharges was approximately \$6,261 in Nevada during this period.
- There were 1,033 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 2000 to 2004. Clark County (11.2) had the highest age-adjusted inpatient discharge rate for Urinary Bladder Cancer in Nevada, followed by Nevada overall, Washoe County, and All Other Counties who had rates of 10.5, 9.5 and 8.7 (per 100,000 – 2000 US Standard population), respectively.
- Washoe County had the highest median total billed amount (\$25,720) and average length of stay (7.3 days) during the 2000 to 2004 period for Urinary Bladder Cancer inpatient hospital discharges, once regional comparisons were made.

MORTALITY

- There were 474 resident deaths due to Urinary Bladder Cancer from 2000 to 2004. Regional comparisons were fairly similar between All Other Counties, as a region, Clark

County and Washoe County with rates of 5.2, 5.1 and 5.1 (per 100,000 – 2000 US Standard population), respectively.

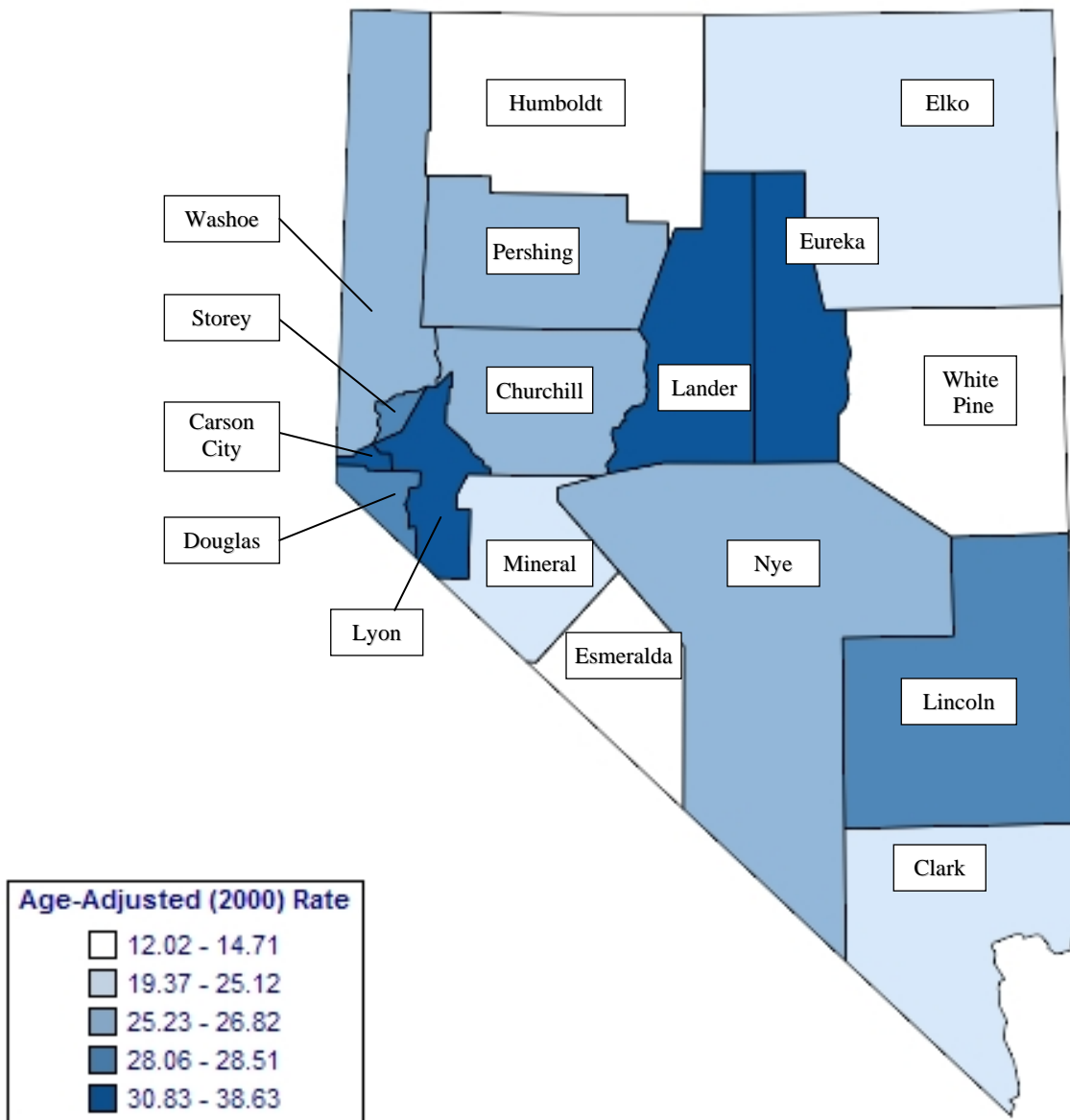
- Nevadan males had a statistically significant higher age-adjusted mortality rate, 8.5 (7.5-9.5), for Urinary Bladder Cancer that was more than 3.1 times the female mortality rate of 2.7 (2.2-3.2) (per 100,000 – 2000 US Standard population) for the 2000 to 2004 period.

SURVIVAL RATE

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 2000 to 2004 period, with rates of 89.5% and 84.5%, respectively, and remained at approximately the same ratio at the five-year rate where males had a rate of 73.6% and females had a rate of 71.0%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 100.0% for Nevada from 2000 to 2004. The rate for those at the localized stage was 99.0%, while those recorded at the regional, distant and unstaged stages had rates of 97.7%, 57.5% and 85.4%, respectively.
- The Median Survival time for those diagnosed at the in situ, localized, regional, and unstaged stages was over five years, while those diagnosed at the distant level had a median survival time of 1.56 years, respectively, during the 2000 to 2004 period.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 2000-2004



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

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 2000-2004

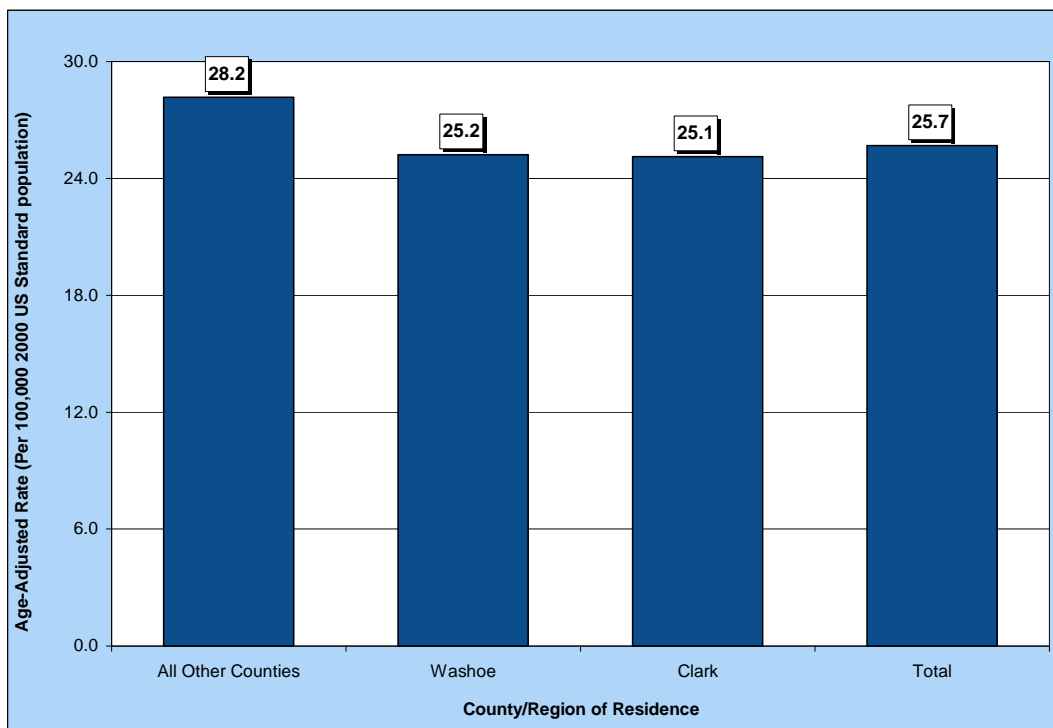


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 2000-2004

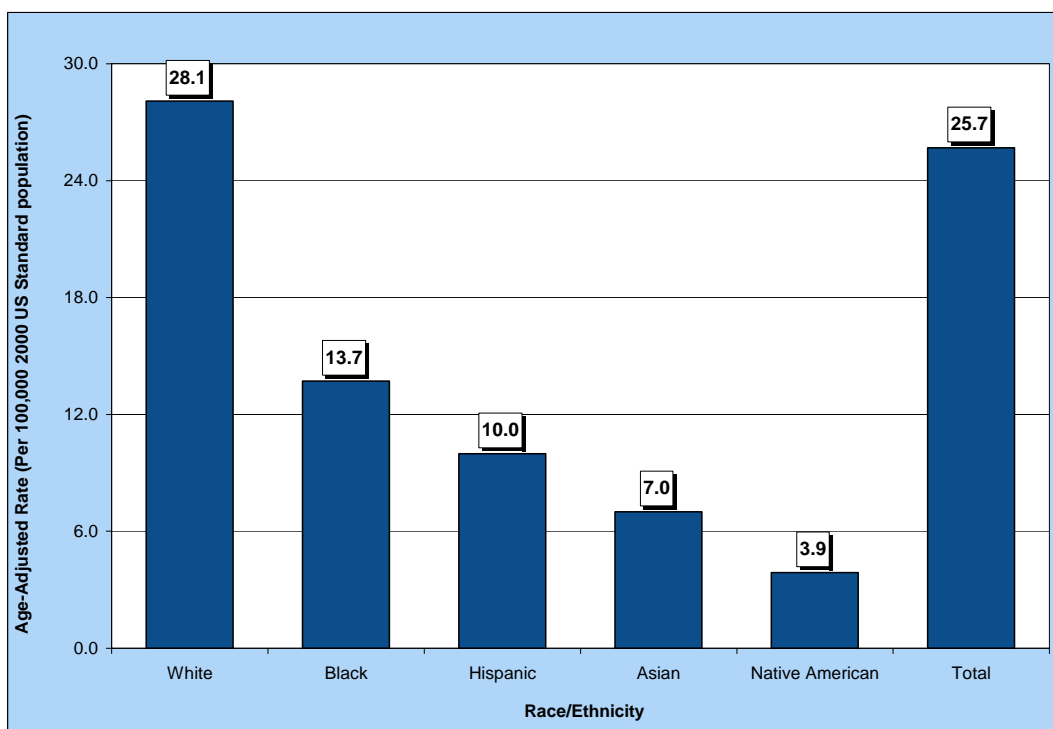


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 17 (2000-2004)
Total						
Cases	2,567	1,727	394	445	1	73,919
Rate*	25.7	25.1	25.2	28.2	---	21.1
95% C.I.	(24.7-26.7)	(23.9-26.4)	(22.8-28.0)	(25.6-31.0)	---	(21.0-21.3)
Gender						
Male	1,981	1,322	300	359	0	55,067
Rate*	43.2	41.6	43.0	48.9	---	37.3
95% C.I.	(41.2-45.2)	(39.2-44.1)	(38.0-48.6)	(43.7-54.5)	---	(37.0-37.6)
Female	586	405	94	86	1	18,852
Rate*	11.1	11.2	11.2	10.3	---	9.4
95% C.I.	(10.2-12.1)	(10.1-12.4)	(9.0-13.7)	(8.3-12.8)	---	(9.2-9.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	2,322	1,519	374	428	1	67,096
Rate*	28.1	27.8	27.4	29.5	---	23.0
95% C.I.	(26.9-29.3)	(26.4-29.2)	(24.6-30.4)	(26.8-32.6)	---	(22.8-23.1)
Black	65	62	1	2	0	3,528
Rate*	13.7	14.0	---	---	---	12.6
95% C.I.	(10.4-18.0)	(10.5-18.6)	---	---	---	(12.2-13.1)
Native American	5	2	2	1	0	151
Rate*	---	---	---	---	---	5.3
95% C.I.	---	---	---	---	---	(4.5-4.5)
Asian	32	28	4	0	0	2,412
Rate*	7.0	6.7	---	---	---	9.2
95% C.I.	(4.5-11.4)	(4.3-10.0)	---	---	---	(8.9-9.6)
Hispanic	72	55	10	7	0	3,715
Rate*	10.0	9.8	11.4	---	---	11.6
95% C.I.	(7.5-13.4)	(7.1-13.8)	(4.5-27.0)	---	---	(11.3-12.0)
Other/Unknown	71	61	3	7	0	732

* 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 (2000-2004) and SEER-17 (2000-2004)

Category	County/Region of Residence					SEER 17 (2000-2004)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	2,567	1,727	394	445	1	73,919
Rate*	25.7	25.1	25.2	28.2	---	21.1
95% C.I.	(24.7-26.7)	(23.9-26.4)	(22.8-28.0)	(25.6-31.0)	---	(21.0-21.3)
Age Group						
<1	2	0	2	0	0	3
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.2)
1-4	0	0	0	0	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
5-14	0	0	0	0	0	12
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
15-24	5	3	2	0	0	85
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	10	8	2	0	0	351
Rate*	0.6	---	---	---	---	0.7
95% C.I.	(0.23-1.00)	---	---	---	---	(0.6-0.7)
35-44	58	34	10	14	0	1,580
Rate*	3.4	2.8	3.5	6.4	---	2.6
95% C.I.	(2.53-4.28)	(1.88-3.78)	(1.33-5.68)	(3.05-9.77)	---	(2.5-2.8)
45-54	173	116	31	26	0	5,780
Rate*	11.6	11.5	11.8	11.6	---	11.2
95% C.I.	(9.86-13.31)	(9.42-13.61)	(7.66-15.99)	(7.16-16.11)	---	(10.9-11.5)
55-64	492	344	75	73	0	12,720
Rate*	45.1	45.8	43.2	43.9	---	38.6
95% C.I.	(41.09-49.05)	(40.93-50.61)	(33.41-52.95)	(33.80-53.92)	---	(37.9-39.3)
65-74	870	584	134	152	0	21,066
Rate*	121.4	118.1	125.8	131.5	---	96.7
95% C.I.	(113.30-129.43)	(108.47-127.62)	(104.48-147.07)	(110.61-152.43)	---	(95.4-98.0)
75-84	771	536	97	137	1	23,599
Rate*	187.6	191.6	153.2	201.9	---	153.4
95% C.I.	(174.35-200.83)	(175.34-207.77)	(122.70-183.67)	(168.08-235.69)	---	(151.4-155.4)
85+	186	102	41	43	0	8,712
Rate*	195.8	167.6	234.9	257.8	---	157.7
95% C.I.	(167.63-223.90)	(135.03-200.06)	(162.96-306.74)	(180.78-334.91)	---	(154.4-161.0)
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, 2000-2004

County of Residence at Diagnosis	2000-2004 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	118	46.2	(37.8-54.5)	38.6	(31.9-46.4)
Churchill	32	25.6	(16.7-34.5)	26.8	(18.3-38.4)
Clark	1,727	22.4	(21.4-23.5)	25.1	(23.9-26.4)
Douglas	76	34.3	(26.6-42.0)	28.1	(21.9-35.8)
Elko	24	10.5	(6.3-14.7)	19.4	(11.7-30.8)
Esmeralda	1	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	10	12.4	(4.7-20.0)	14.7	(6.8-28.8)
Lander	9	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	67	34.2	(26.0-42.4)	30.8	(23.8-39.5)
Mineral	9	---	---	---	---
Nye	67	38.0	(28.9-47.1)	26.2	(20.0-34.1)
Pershing	7	---	---	---	---
Storey	7	---	---	---	---
Washoe	394	21.9	(19.8-24.1)	25.2	(22.8-28.0)
White Pine	8	---	---	---	---
Unknown	1	---	---	---	---
Total	2,567	23.5	(22.6-24.4)	25.7	(24.7-26.7)

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, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	1,785	537	0	2,322
	Rate*	46.4	12.5	---	28.1
	95% C.I.	(44.2-48.7)	(11.4-13.6)	---	(26.9-29.3)
Black	Incidence	50	15	0	65
	Rate*	24.1	5.9	---	13.7
	95% C.I.	(16.9-34.4)	(3.2-10.2)	---	(10.4-18.0)
Native American	Incidence	4	1	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	23	9	0	32
	Rate*	13.1	---	---	7.0
	95% C.I.	(7.6-23.6)	---	---	(4.5-11.4)
Hispanic	Incidence	63	9	0	72
	Rate*	19.5	---	---	10.0
	95% C.I.	(13.9-27.8)	---	---	(7.5-13.4)
Other/Unknown	Incidence	56	15	0	71
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Total	Incidence	1,981	586	0	2,567
	Rate*	43.2	11.1	---	25.7
	95% C.I.	(41.2-45.2)	(10.2-12.1)	---	(24.7-26.7)

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, 2000-2004

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	4	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	3	0	10
Rate*	---	---	---	0.62
95% C.I.	---	---	---	(0.23-1.00)
35-44	43	15	0	58
Rate*	4.86	1.83	---	3.40
95% C.I.	(3.41-6.31)	(0.90-2.76)	---	(2.53-4.28)
45-54	130	43	0	173
Rate*	17.18	5.84	---	11.58
95% C.I.	(14.22-20.13)	(4.09-7.58)	---	(9.86-13.31)
55-64	402	90	0	492
Rate*	74.69	16.26	---	45.07
95% C.I.	(67.39-81.99)	(12.90-19.62)	---	(41.09-49.05)
65-74	665	205	0	870
Rate*	188.21	56.39	---	121.37
95% C.I.	(173.91-202.52)	(48.67-64.11)	---	(113.30-129.43)
75-84	600	171	0	771
Rate*	323.16	75.89	---	187.59
95% C.I.	(297.30-349.02)	(64.51-87.26)	---	(174.35-200.83)
85+	131	55	0	186
Rate*	412.38	86.96	---	195.76
95% C.I.	(341.76-482.99)	(63.98-109.95)	---	(167.63-223.90)
Unknown	0	0	0	0
Total	1,981	586	0	2,567
Rate*	35.64	10.89	---	23.46
95% C.I.	(34.1-37.2)	(10.0-11.8)	---	(22.6-24.4)

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, 2000-2004

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<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	2	3	0	0	0	5
	Percent	40.0%	60.0%	---	---	---	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	20	25	3	1	9	58
	Percent	34.5%	43.1%	5.2%	1.7%	15.5%	100.0%
45-54	Number	89	46	15	8	15	173
	Percent	51.4%	26.6%	8.7%	4.6%	8.7%	100.0%
55-64	Number	193	163	38	20	78	492
	Percent	39.2%	33.1%	7.7%	4.1%	15.9%	100.0%
65-74	Number	339	272	75	30	154	870
	Percent	39.0%	31.3%	8.6%	3.4%	17.7%	100.0%
75-84	Number	291	274	48	22	136	771
	Percent	37.7%	35.5%	6.2%	2.9%	17.6%	100.0%
85+	Number	54	68	15	3	46	186
	Percent	29.0%	36.6%	8.1%	1.6%	24.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	994	855	194	85	439	2,567
	Percent	38.7%	33.3%	7.6%	3.3%	17.1%	100.0%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 2000-2004

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	900	21	2	15	32	24	994
	Percent	38.8%	32.3%	40.0%	46.9%	44.4%	33.8%	38.7%
Localized	Number	786	24	3	7	23	12	855
	Percent	33.9%	36.9%	60.0%	21.9%	31.9%	16.9%	33.3%
Regional	Number	181	8	0	4	1	0	194
	Percent	7.8%	12.3%	---	12.5%	1.4%	---	7.6%
Distant	Number	77	4	0	2	2	0	85
	Percent	3.3%	6.2%	---	6.3%	2.8%	---	3.3%
Unstaged	Number	378	8	0	4	14	35	439
	Percent	16.3%	12.3%	---	12.5%	19.4%	49.3%	17.1%
Total	Number	2,322	65	5	32	72	71	2,567
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

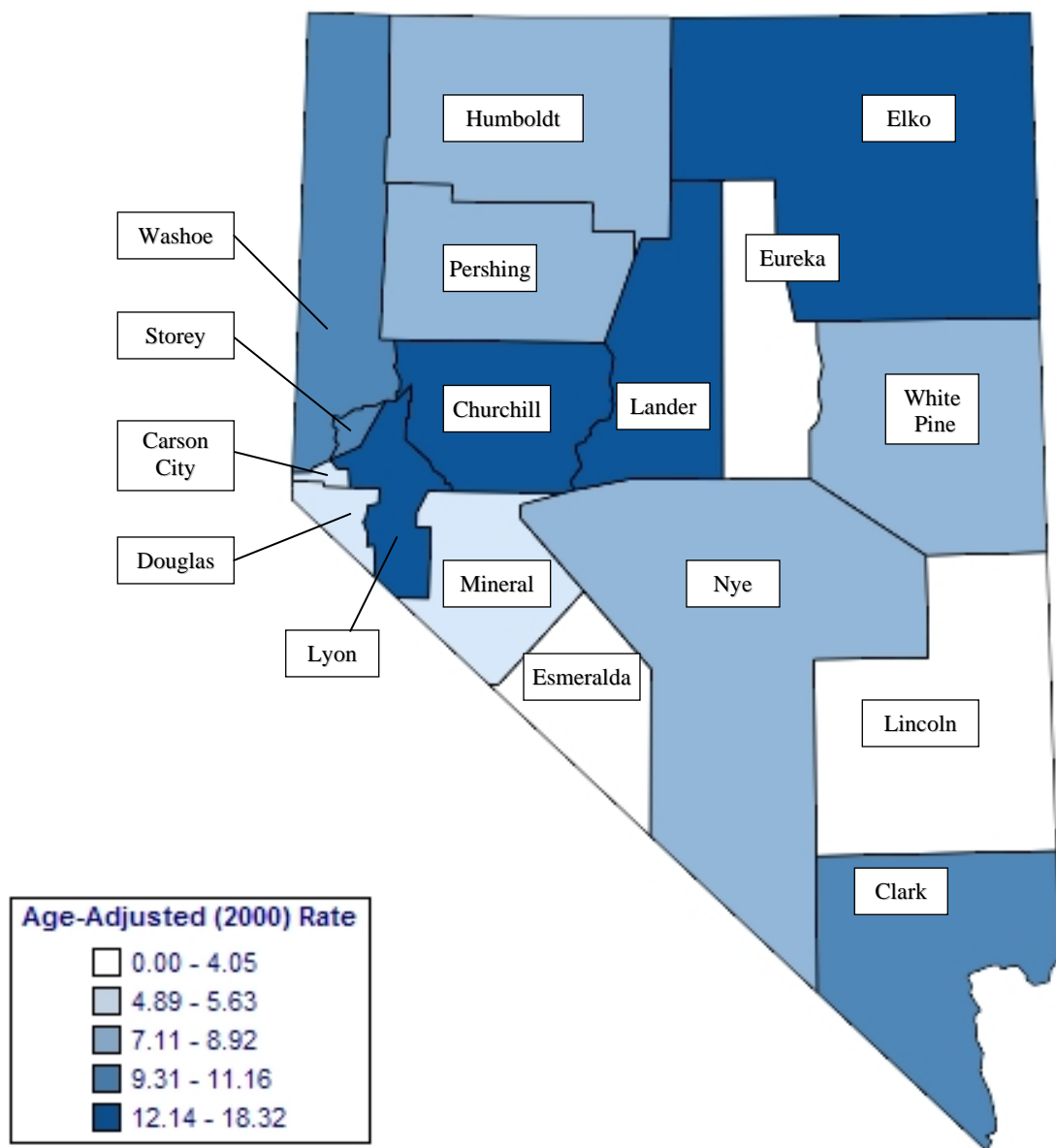
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	1,785	71.0	537	72.0	2,322	72.0
Black	50	69.0	15	66.0	65	68.0
Native American	4	---	1	---	5	60.0
Asian	23	71.0	9	58.0	32	68.5
Hispanic	63	63.0	9	68.0	72	65.0
Other/Unknown	56	70.0	15	73.0	71	70.0
Total	1,981	71.0	586	71.0	2,567	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, 2000-2004



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

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 2000-2004

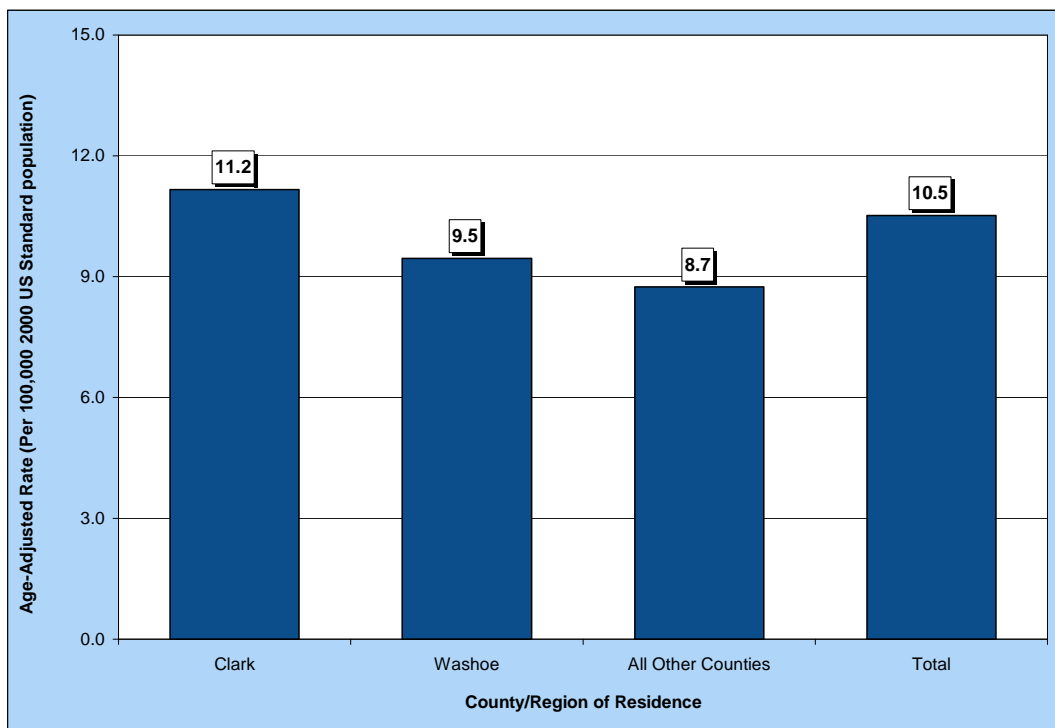


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

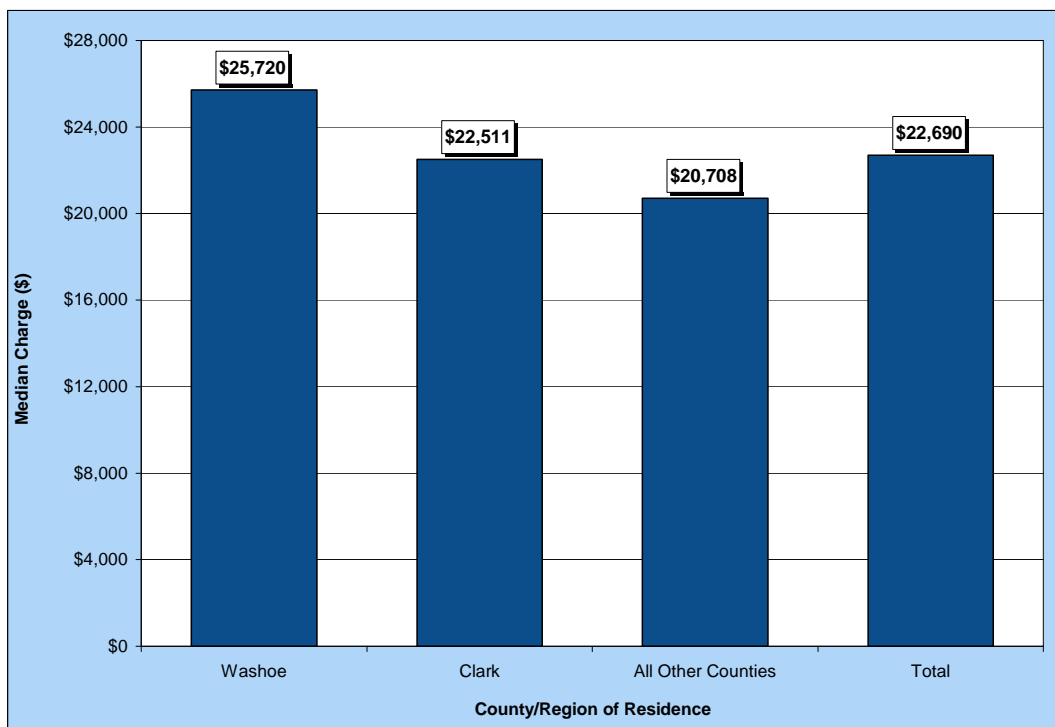


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

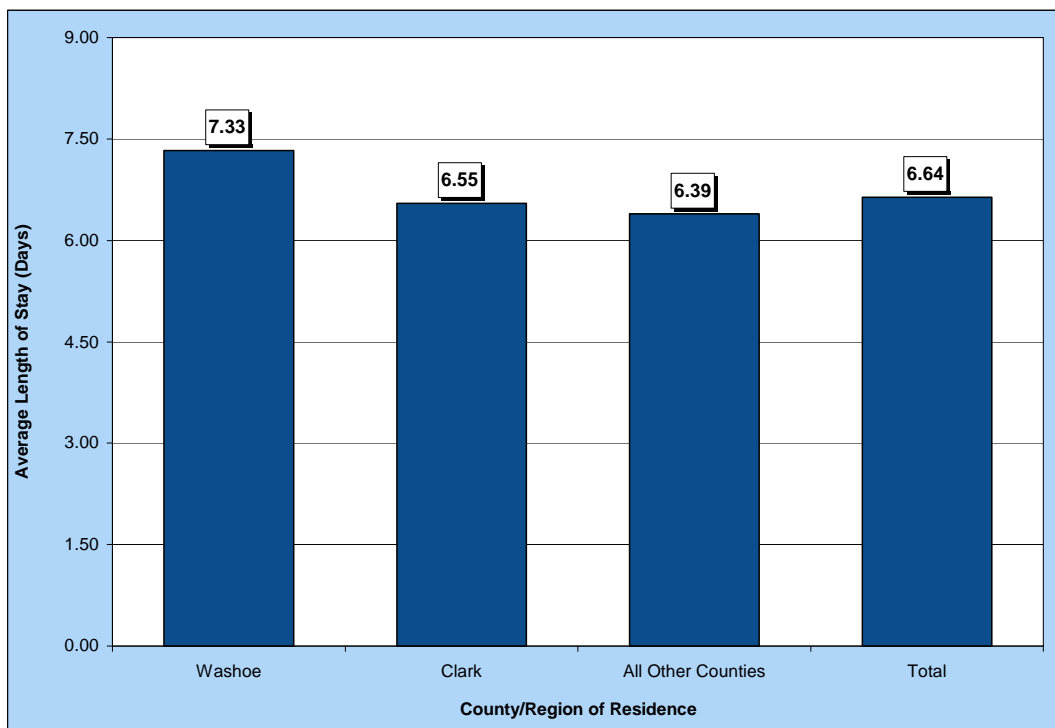


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,033	746	145	140	2
Rate*	10.5	11.2	9.5	8.7	---
95% C.I.	(9.9-11.2)	(10.4-12.0)	(8.0-11.2)	(7.3-10.4)	---
Gender					
Male	803	590	97	114	2
Rate*	18.0	19.5	14.4	15.1	---
95% C.I.	(16.7-19.4)	(17.8-21.3)	(11.5-17.8)	(12.4-18.5)	---
Female	230	156	48	26	0
Rate*	4.4	4.4	5.8	3.1	---
95% C.I.	(3.9-5.0)	(3.7-5.2)	(4.3-7.7)	(2.0-4.6)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$42,953,616	\$31,125,311	\$6,532,031	\$5,236,420	\$59,854
Average Charges	\$41,581	\$41,723	\$45,048	\$37,403	\$29,927
Median Charges	\$22,690	\$22,511	\$25,720	\$20,708	\$29,927
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,860	4,886	1,063	895	16
Average LOS	6.6	6.5	7.3	6.4	8.0
Median LOS	4.0	4.0	6.0	4.0	8.0

* 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, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	1,033	746	145	140
Rate*	9.4	9.7	8.1	9.7
95% C.I.	(8.9-10.0)	(9.0-10.4)	(6.8-9.4)	(8.1-11.3)
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	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	12	9	2	1
Rate*	0.7	---	---	---
95% C.I.	(0.31-1.10)	---	---	---
45-54	56	40	11	5
Rate*	3.8	4.0	4.2	---
95% C.I.	(2.77-4.73)	(2.74-5.20)	(1.72-6.68)	---
55-64	188	136	19	33
Rate*	17.2	18.1	10.9	19.8
95% C.I.	(14.76-19.68)	(15.05-21.14)	(6.02-15.86)	(13.06-26.59)
65-74	307	215	49	43
Rate*	42.8	43.5	46.0	37.2
95% C.I.	(38.04-47.62)	(37.65-49.27)	(33.11-58.87)	(26.09-48.33)
75-84	380	283	50	45
Rate*	92.5	101.1	79.0	66.3
95% C.I.	(83.16-101.75)	(89.36-112.92)	(57.07-100.85)	(46.94-85.69)
85+	84	57	14	13
Rate*	88.4	93.6	80.2	78.0
95% C.I.	(69.50-107.32)	(69.32-117.94)	(38.19-122.20)	(35.58-120.33)
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, 2000-2004

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	2	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	8	4	12
Rate*	---	---	0.70
95% C.I.	---	---	(0.31-1.10)
45-54	45	11	56
Rate*	5.95	1.49	3.75
95% C.I.	(4.21-7.68)	(0.61-2.38)	(2.77-4.73)
55-64	163	25	188
Rate*	30.29	4.52	17.22
95% C.I.	(25.64-34.93)	(2.75-6.29)	(14.76-19.68)
65-74	233	74	307
Rate*	65.95	20.36	42.83
95% C.I.	(57.48-74.41)	(15.72-25.00)	(38.04-47.62)
75-84	289	91	380
Rate*	155.66	40.39	92.46
95% C.I.	(137.71-173.60)	(32.09-48.68)	(83.16-101.75)
85+	61	23	84
Rate*	192.02	36.37	88.41
95% C.I.	(143.83-240.21)	(21.50-51.23)	(69.50-107.32)
Unknown	0	0	0
Total	803	230	1,033
Rate*	14.45	4.27	9.44
95% C.I.	(13.4-15.4)	(3.7-4.8)	(8.9-10.0)

* 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 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 2000-2004

County of Residence	2000-2004 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	18	7.0	(3.8-10.3)	5.6	(3.3-9.0)
Churchill	15	12.0	(5.9-18.1)	12.1	(6.8-20.6)
Clark	746	9.7	(9.0-10.4)	11.2	(10.4-12.0)
Douglas	13	5.9	(2.7-9.1)	5.0	(2.6-9.2)
Elko	18	7.9	(4.2-11.5)	18.3	(10.4-30.3)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	5	---	---	---	---
Lander	4	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	33	16.8	(11.1-22.6)	15.1	(10.3-21.6)
Mineral	2	---	---	---	---
Nye	22	12.5	(7.3-17.7)	7.8	(4.9-12.1)
Pershing	2	---	---	---	---
Storey	3	---	---	---	---
Washoe	145	8.1	(6.8-9.4)	9.5	(8.0-11.2)
White Pine	4	---	---	---	---
Unknown	2	---	---	---	---
Total	1,033	9.4	(8.9-10.0)	10.5	(9.9-11.2)

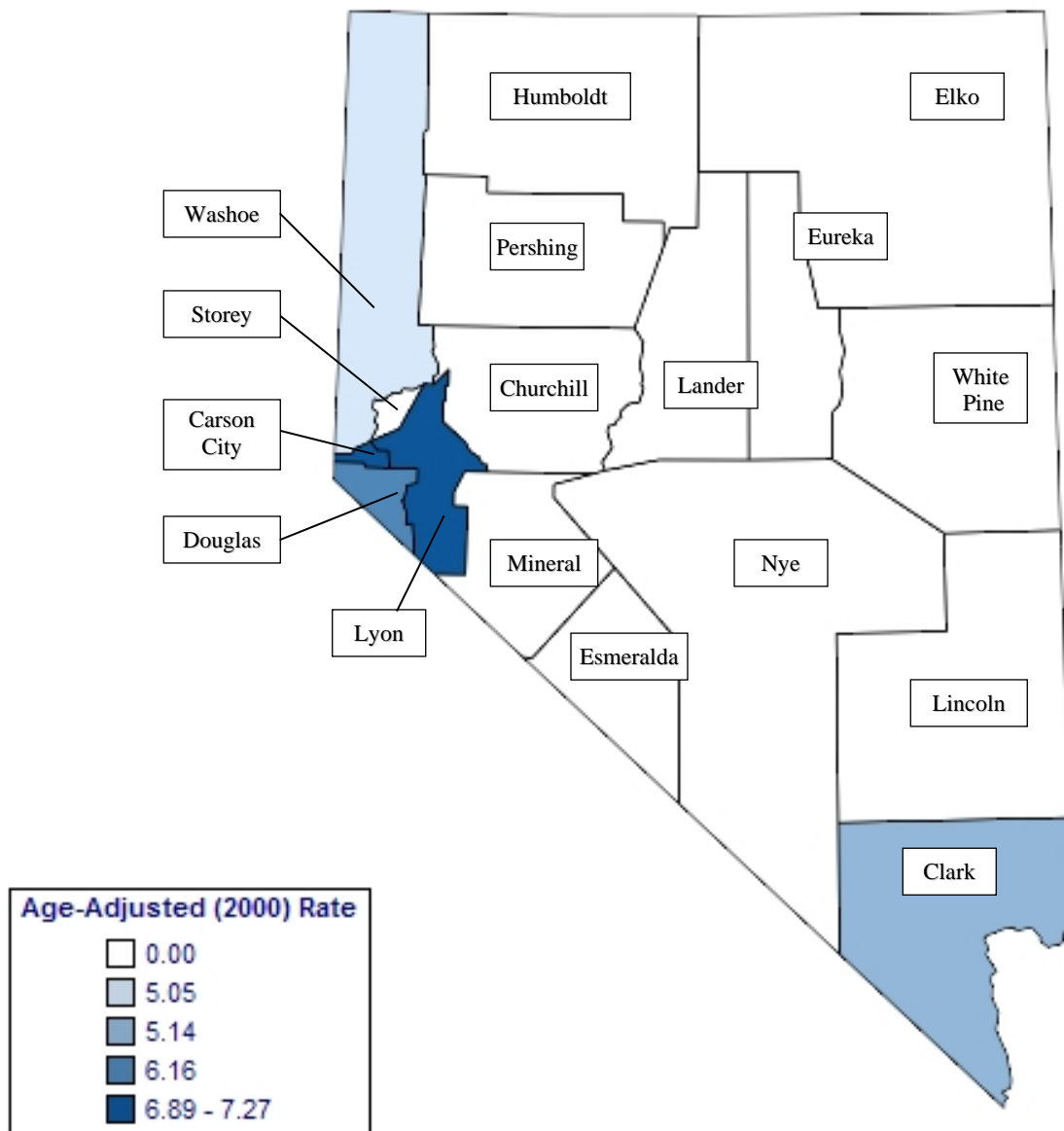
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 2000-2004

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	2	---	---	---	---	---	---
25-34	4	---	---	---	---	---	---
35-44	12	463,557	38,630	35,920	79	6.6	6.5
45-54	56	2,533,597	45,243	25,937	389	7.0	6.0
55-64	188	7,332,986	39,005	27,522	1,137	6.1	4.0
65-74	307	13,950,889	45,443	25,135	2,168	7.1	5.0
75-84	380	16,193,529	42,615	21,796	2,612	6.9	4.0
85+	84	2,265,334	26,968	18,902	430	5.1	4.0
Unknown	0	---	---	---	---	---	---
Total	1,033	42,953,616	41,581	22,690	6,860	6.6	4.0

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 2000-2004



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

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 2000-2004

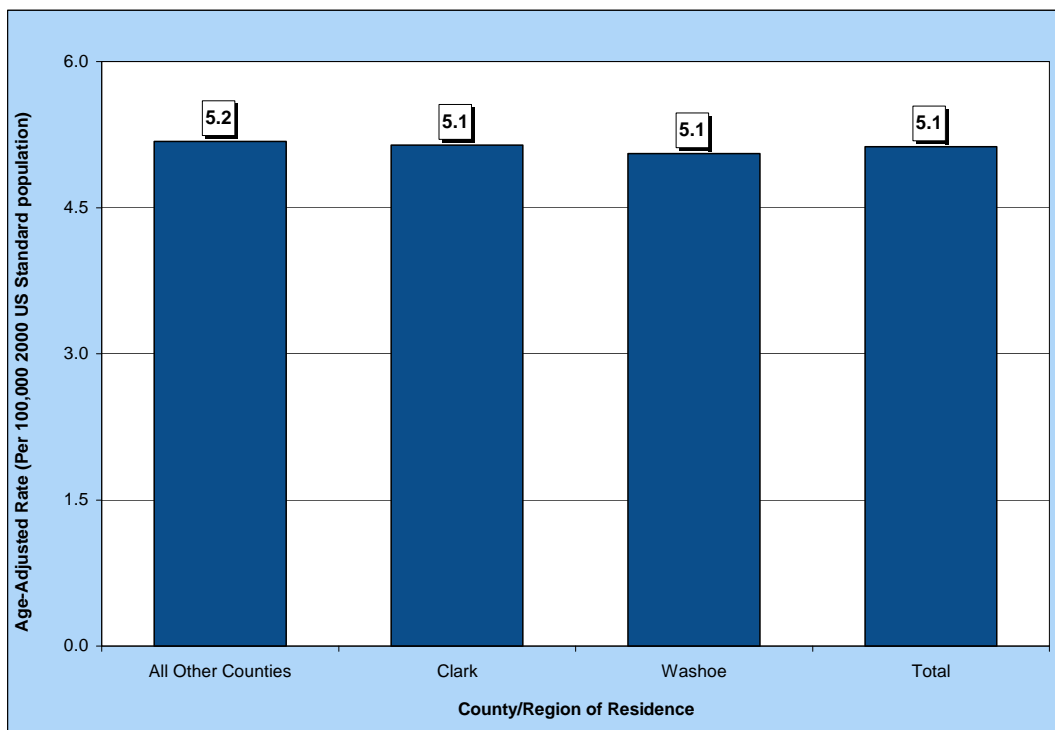


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 2000-2004

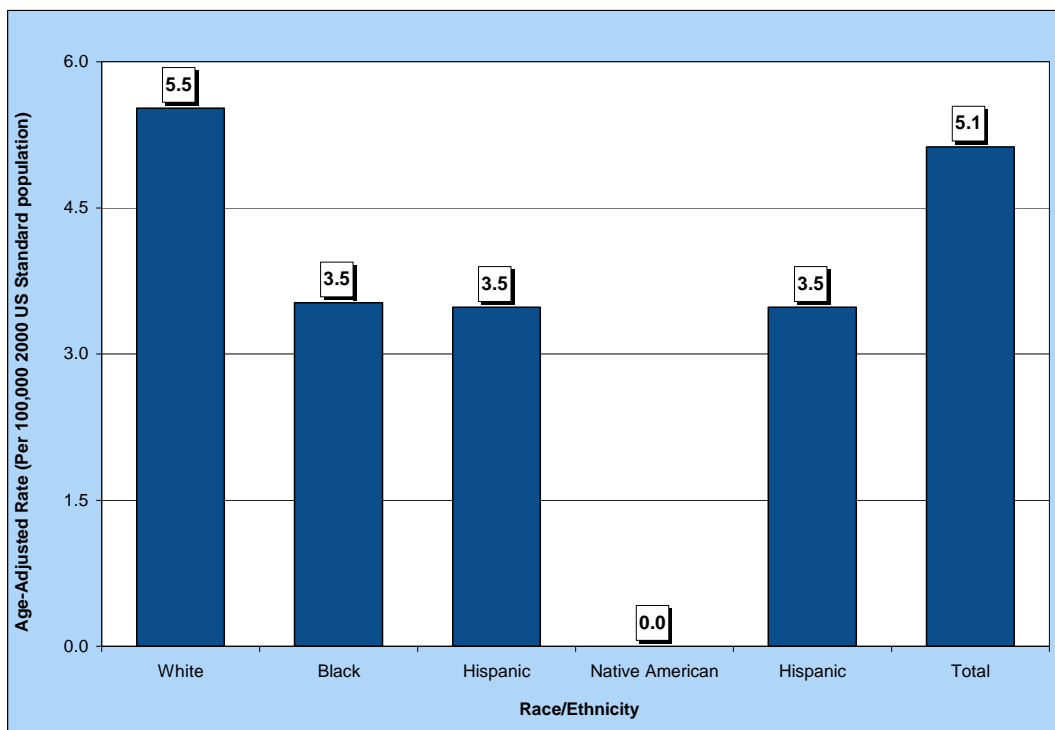


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	474	321	75	78
Rate*	5.1	5.1	5.1	5.2
95% C.I.	(4.7-5.6)	(4.6-5.8)	(4.0-6.4)	(4.1-6.5)
Gender				
Male	339	229	48	62
Rate*	8.5	8.5	7.7	9.1
95% C.I.	(7.5-9.5)	(7.3-9.8)	(5.6-10.6)	(6.9-12.0)
Female	135	92	27	16
Rate*	2.7	2.7	3.2	2.0
95% C.I.	(2.2-3.2)	(2.2-3.3)	(2.1-4.7)	(1.1-3.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	432	286	69	77
Rate*	5.5	5.6	5.2	5.6
95% C.I.	(5.0-6.1)	(5.0-6.3)	(4.0-6.6)	(4.4-7.0)
Black	16	15	1	0
Rate*	3.5	3.5	---	---
95% C.I.	(2.0-6.2)	(1.9-6.4)	---	---
Native American	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	14	12	1	1
Rate*	3.5	3.9	---	---
95% C.I.	(1.8-6.4)	(1.8-7.5)	---	---
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, 2000-2004

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	474	321	75	78
Rate*	5.1	5.1	5.1	5.2
95% C.I.	(4.7-5.6)	(4.6-5.8)	(4.0-6.4)	(4.1-6.5)
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	5	2	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	18	13	2	3
Rate*	1.2	1.3	---	---
95% C.I.	(0.65-1.76)	(0.59-1.99)	---	---
55-64	73	47	14	12
Rate*	6.7	6.3	8.1	7.2
95% C.I.	(5.15-8.22)	(4.47-8.04)	(3.84-12.28)	(3.13-11.29)
65-74	123	82	17	24
Rate*	17.2	16.6	16.0	20.8
95% C.I.	(14.13-20.19)	(12.99-20.16)	(8.37-23.54)	(12.46-29.08)
75-84	175	125	28	22
Rate*	42.6	44.7	44.2	32.4
95% C.I.	(36.27-48.89)	(36.84-52.50)	(27.84-60.60)	(18.87-45.97)
85+	78	50	13	15
Rate*	82.1	82.1	74.5	90.0
95% C.I.	(63.88-100.31)	(59.37-104.90)	(33.99-114.94)	(44.43-135.46)
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, 2000-2004

County of Residence at Diagnosis	2000-2004 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	22	8.6	(5.0-12.2)	7.3	(4.5-11.1)
Churchill	4	---	---	---	---
Clark	321	4.2	(3.7-4.6)	5.1	(4.6-5.8)
Douglas	15	6.8	(3.3-10.2)	6.2	(3.3-10.8)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	14	7.1	(3.4-10.9)	6.9	(3.7-11.9)
Mineral	3	---	---	---	---
Nye	7	---	---	---	---
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	75	4.2	(3.2-5.1)	5.1	(4.0-6.4)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	474	4.3	(3.9-4.7)	5.1	(4.7-5.6)

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 2000 US Standard population.

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	314	118	0	432
	Rate*	9.1	2.8	---	5.5
	95% C.I.	(8.1-10.3)	(2.3-3.4)	---	(5.0-6.1)
Black	Incidence	10	6	0	16
	Rate*	5.5	---	---	3.5
	95% C.I.	(2.3-12.5)	---	---	(2.0-6.2)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	5	3	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Hispanic	Incidence	8	6	0	14
	Rate*	---	---	---	3.5
	95% C.I.	---	---	---	(1.8-6.4)
Other/Unknown	0	1	0	1	
Total	Incidence	339	135	0	474
	Rate*	8.5	2.7	---	5.1
	95% C.I.	(7.5-9.5)	(2.2-3.2)	---	(4.7-5.6)

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, 2000-2004

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	4	5
Rate*	---	---	---
95% C.I.	---	---	---
45-54	10	8	18
Rate*	1.32	---	1.21
95% C.I.	(0.50-2.14)	---	(0.65-1.76)
55-64	54	19	73
Rate*	10.03	3.43	6.69
95% C.I.	(7.36-12.71)	(1.89-4.98)	(5.15-8.22)
65-74	91	32	123
Rate*	25.76	8.80	17.16
95% C.I.	(20.46-31.05)	(5.75-11.85)	(14.13-20.19)
75-84	129	46	175
Rate*	69.48	20.41	42.58
95% C.I.	(57.49-81.47)	(14.51-26.31)	(36.27-48.89)
85+	52	26	78
Rate*	163.69	41.11	82.09
95% C.I.	(119.20-208.18)	(25.31-56.91)	(63.88-100.31)
Unknown	0	0	0
Total	339	135	474
Rate*	6.10	2.51	4.33
95% C.I.	(5.4-6.7)	(2.1-2.9)	(3.9-4.7)

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

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

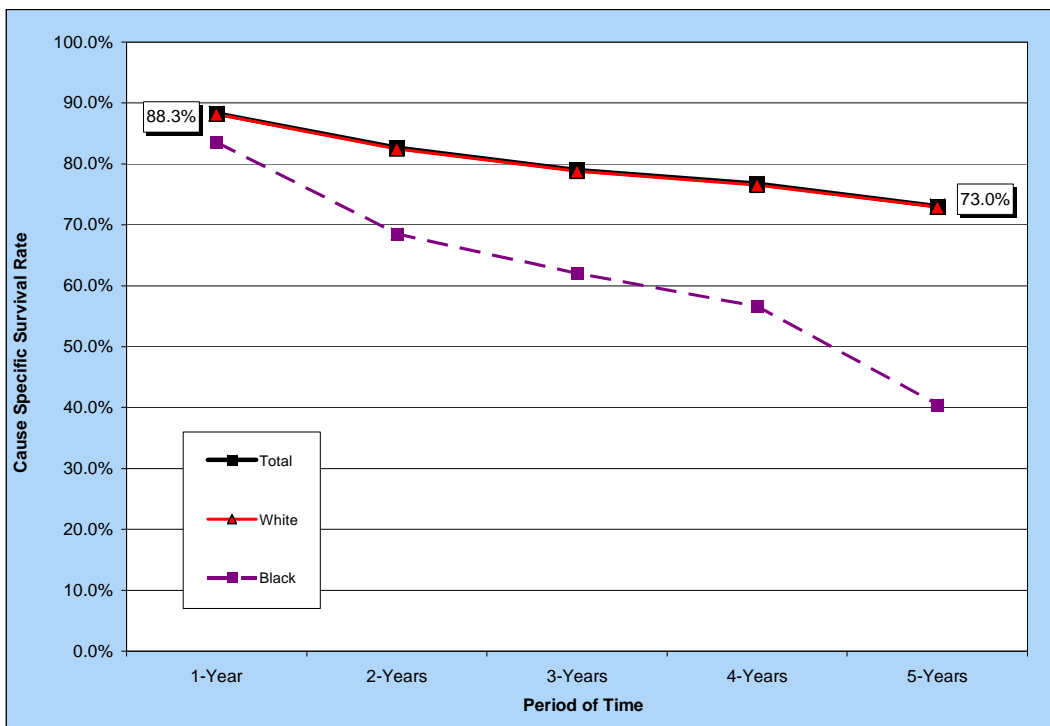
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	314	76.0	118	75.5	432	76.0
Black	10	74.5	6	69.5	16	73.0
Native American	2	---	1	---	3	---
Asian	5	70.0	3	---	8	67.0
Hispanic	8	80.5	6	82.0	14	80.5
Other/Unknown	0	---	1	---	1	---
Total	339	76.0	135	76.0	474	76.0

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, 2000-2004



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

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 2000-2004

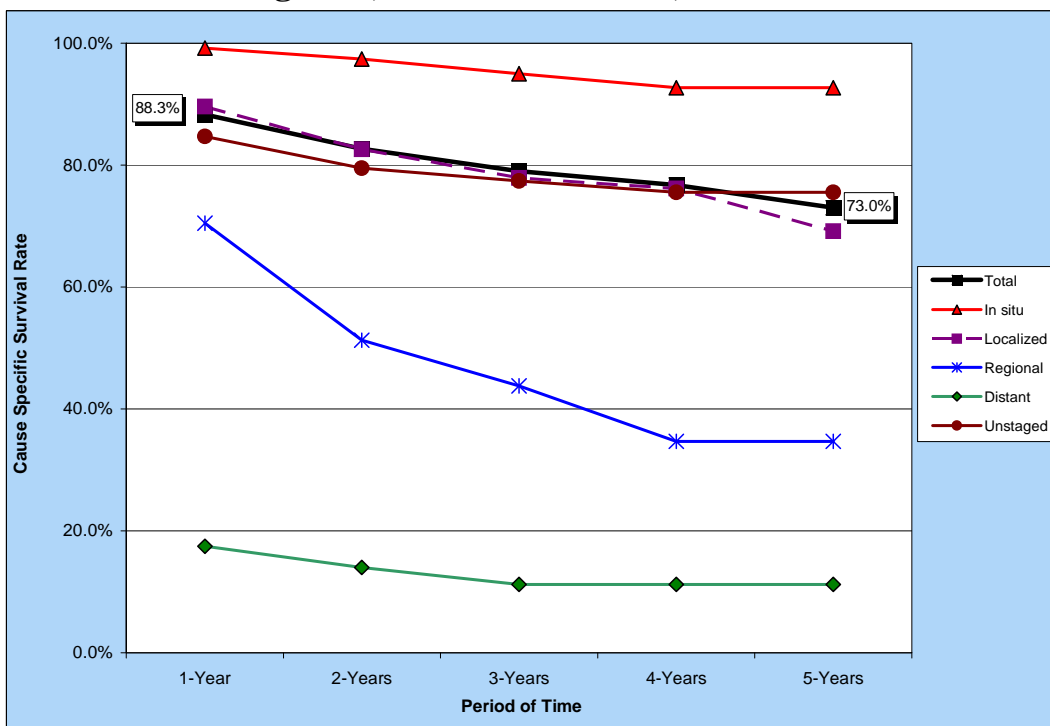


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 2000-2004

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	2,031	88.3%	82.7%	79.0%	76.7%	73.0%	> 5 YEARS
Male	1,561	89.5%	84.4%	80.2%	77.9%	73.6%	> 5 YEARS
Female	470	84.5%	76.7%	75.0%	73.0%	71.0%	> 5 YEARS
Race/Ethnicity							
White	1,821	88.2%	82.5%	78.8%	76.5%	73.0%	> 5 YEARS
Male	1,394	89.2%	84.0%	79.7%	77.4%	73.3%	> 5 YEARS
Female	427	84.8%	77.7%	75.9%	73.7%	71.6%	> 5 YEARS
Black	52	83.5%	68.6%	62.0%	56.6%	40.5%	4.41
Male	40	---	---	---	---	---	.
Female	12	---	---	---	---	---	.
Native American	3	---	---	---	---	---	.
Male	2	---	---	---	---	---	.
Female	1	---	---	---	---	---	.
Asian	28	---	---	---	---	---	.
Male	20	---	---	---	---	---	.
Female	8	---	---	---	---	---	.
Hispanic	62	89.7%	87.6%	87.6%	87.6%	87.6%	> 5 YEARS
Male	54	92.0%	89.5%	89.5%	89.5%	89.5%	> 5 YEARS
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, 2000-2004

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	2,031	1,561	470
	One Year	88.3%	89.5%	84.5%
	5 Years	73.0%	73.6%	71.0%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Stage at Diagnosis				
In situ	Cases	788	595	193
	One Year	99.2%	99.5%	98.3%
	5 Years	92.7%	92.3%	93.7%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Localized	Cases	678	540	138
	One Year	89.6%	90.0%	87.9%
	5 Years	69.2%	69.2%	69.0%
	Median Survival	> 5 YEARS	> 5 YEARS	> 5 YEARS
Regional	Cases	152	112	40
	One Year	70.5%	75.5%	---
	5 Years	34.7%	39.8%	---
	Median Survival	2.17	3.02	.
Distant	Cases	72	56	16
	One Year	17.5%	20.7%	---
	5 Years	11.2%	14.7%	---
	Median Survival	0.61	0.63	.
Unstaged	Cases	341	258	83
	One Year	84.7%	87.6%	75.6%
	5 Years	75.6%	80.1%	60.9%
	Median Survival	> 5 YEARS	> 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.