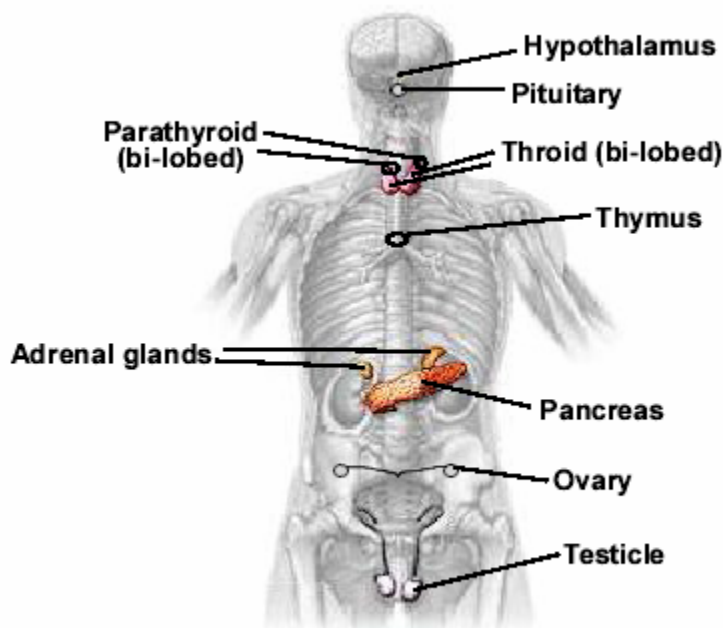


PANCREATIC CANCER

PANCREATIC CANCER

GENERAL PROFILE⁴

Figure 153. Anatomy of the Endocrine System⁵



General Anatomy: The pancreas is a gland located deep in the abdomen between the stomach and the spine (backbone). The pancreas is about 6 inches long and is shaped like a flat pear. The pancreas makes insulin and other hormones that travel throughout the body to help the body use or store the energy that comes from food.

Risk Factors: Age, smoking, diabetes, being male, being African American, family history of pancreatic cancer, and Chronic pancreatitis.

Signs and Symptoms: Pancreatic cancer is sometimes called a "silent disease" because early pancreatic cancer often does not cause symptoms. But, as the cancer grows, symptoms may include: Pain in the upper abdomen or upper back, yellow skin and eyes, and dark urine from jaundice, weakness, loss of appetite, nausea and vomiting, and weight loss.

Diagnosing the Cancer: Physical exam, blood, stool and urine tests (Bilirubin levels), computed tomography (CAT) scan, ultrasonography (Transabdominal, Endoscopic), endoscopic retrograde cholangiopancreatography (ERCP), percutaneous transhepatic cholangiography (PTC), and fine-needle aspiration.

Treatment: Surgery (Whipple procedure, Distal pancreatectomy, Total pancreatectomy, bypass), radiation therapy, and chemotherapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.1, to the age-adjusted mortality rate, 10.3 (per 100,000 – 2000 US Standard population), for Pancreatic Cancer was 1.08 during the 1999 to 2003 period, which means that for every 108 Pancreatic Cancer cases there were 100 deaths due to this type of cancer in Nevada. Males had a slightly larger ratio at 1.08 versus 1.06 for females.
- The median age at diagnosis of Pancreatic Cancer for Nevada residents was 69.0 years of age, while the median age for males and females was 67 and 72 years during the 1999 to 2003 period. The median age at time of death due to Cancer of the Pancreas was 70 years for Nevada overall, 69 years for males and 72 years of age for females.

INCIDENCE

- There were 1,068 cases of Pancreatic Cancer reported in Nevada from 1999 to 2003. Nevada's age-adjusted incidence rate for Pancreatic Cancer (11.1) was only slightly higher than the national rate of 11.0 (per 100,000 – 2000 US Standard population) from 1999 to 2003.
- While regional comparisons showed only slight variations between the age-adjusted incidence rates of Pancreatic Cancer for Washoe County (11.5), Clark County (11.3) and All Other Counties (9.3) from 1999 to 2003, statistical analysis shows no statistically significant difference between the three regions.
- Nevadan males had a statistically significant higher incidence rate for Pancreatic Cancer, 12.4, (11.3-13.5) than females, 9.9 (9.1-10.8) during the 1999 to 2003 period.
- Blacks, as a racial/ethnic group, had the highest age-adjusted incidence rate for Pancreatic Cancer, 16.0 of any racial/ethnic group from 1999 to 2003. Whites, Hispanics, and Asians followed with rates of 11.2, 9.0, and 8.7 (per 100,000 – 2000 US Standard population) respectively, during this time.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Pancreatic Cancer inpatient hospital discharges accounted for more than 39.7 million dollars from 1999 to 2003. Nevadans in the age groups 55-64, 65-74 and 75-84 accounted for 78.7% of the total inpatient discharges and 78.2% of the total billed charges during this period. The overall daily billed amount for Pancreatic Cancer inpatient hospital discharges was approximately \$5,083 in Nevada during this period.
- There were 822 inpatient hospital discharges for Pancreatic Cancer to residents in Nevada from 1999 to 2003. Washoe County had the highest age-adjusted inpatient discharge rate, 9.5, for Pancreatic Cancer and was followed by Clark County and All Other Counties with rates of 8.5 and 6.6, respectively.

- The median total billed charges in Nevada for inpatient discharges due to Cancer of the Pancreas were \$27,879 during the 1999 to 2003 period.

MORTALITY

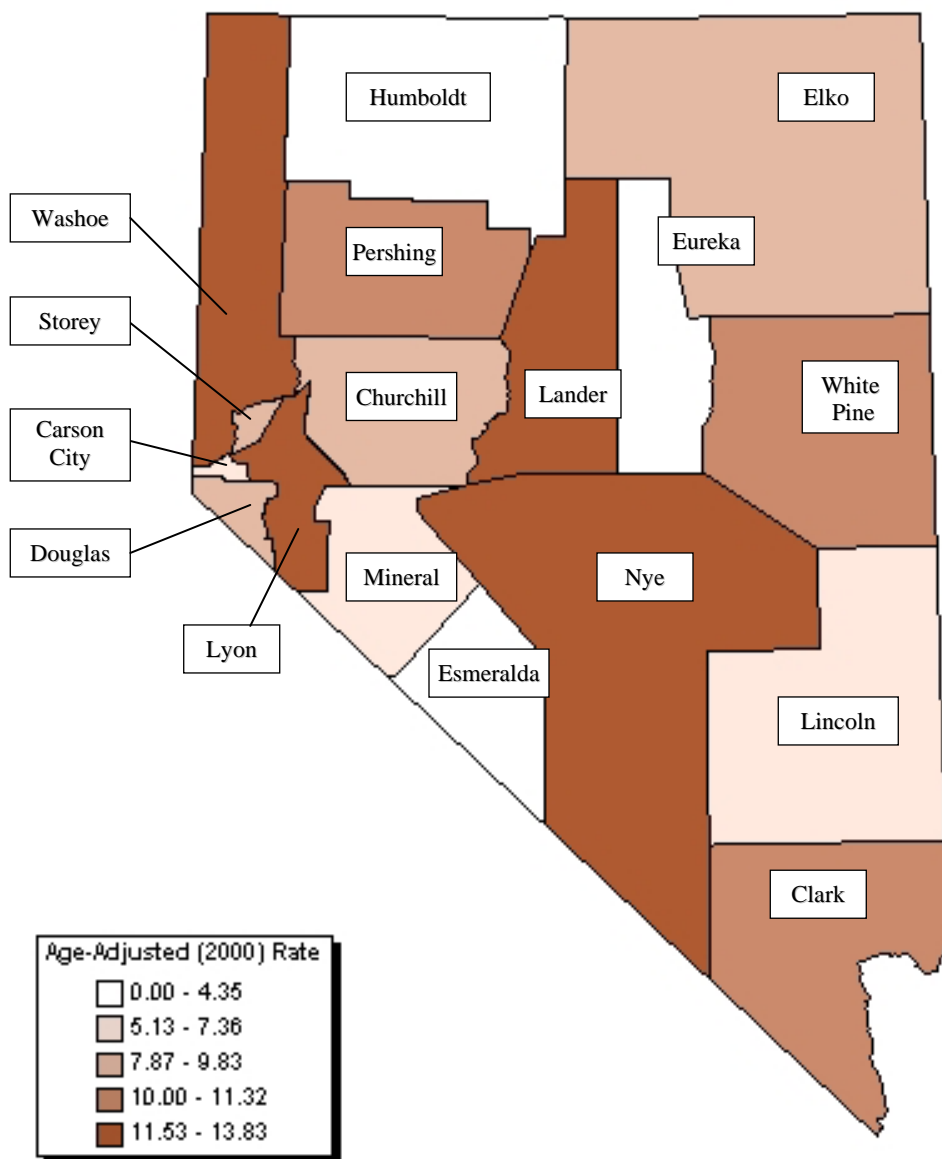
- There were 977 resident Pancreatic Cancer deaths from 1999 to 2003. Regional comparisons found no statistical differences between the three regions where All Other Counties, Clark County and Washoe County had rates of 10.6, 10.3 and 9.8 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest age-adjusted Pancreatic Cancer mortality rate, (14.1); followed by Whites, Asians and Hispanics with rates of 10.5, 9.1 and 7.2 (per 100,000 – 2000 US Standard population), respectively. However, statistical analysis does not show any statistical significance between any of the racial/ethnic groups.

SURVIVAL RATE

- While the one-year survival rate for Nevada males with Pancreatic Cancer (23.4%) was slightly higher than the rate for females (21.5%) during the 1999 to 2003 period, the five-year survival rate for males (7.5%) was lower than the rate for females (10.6%) from 1999 to 2003.
- The one-year survival rate for those diagnosed with Pancreatic Cancer at the regional stage was 37.3%, while those diagnosed at the distant and unstaged stages had rates of 12.2% and 21.2%, respectively, during the 1999 to 2003 period.
- From 1999 to 2003, the median survival time for Pancreatic Cancer overall was 0.64 years. Those diagnosed at the regional, distant and unstaged levels had median survival times of 0.80, 0.57 and 0.63 years, respectively.

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1999-2003



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

Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1999-2003

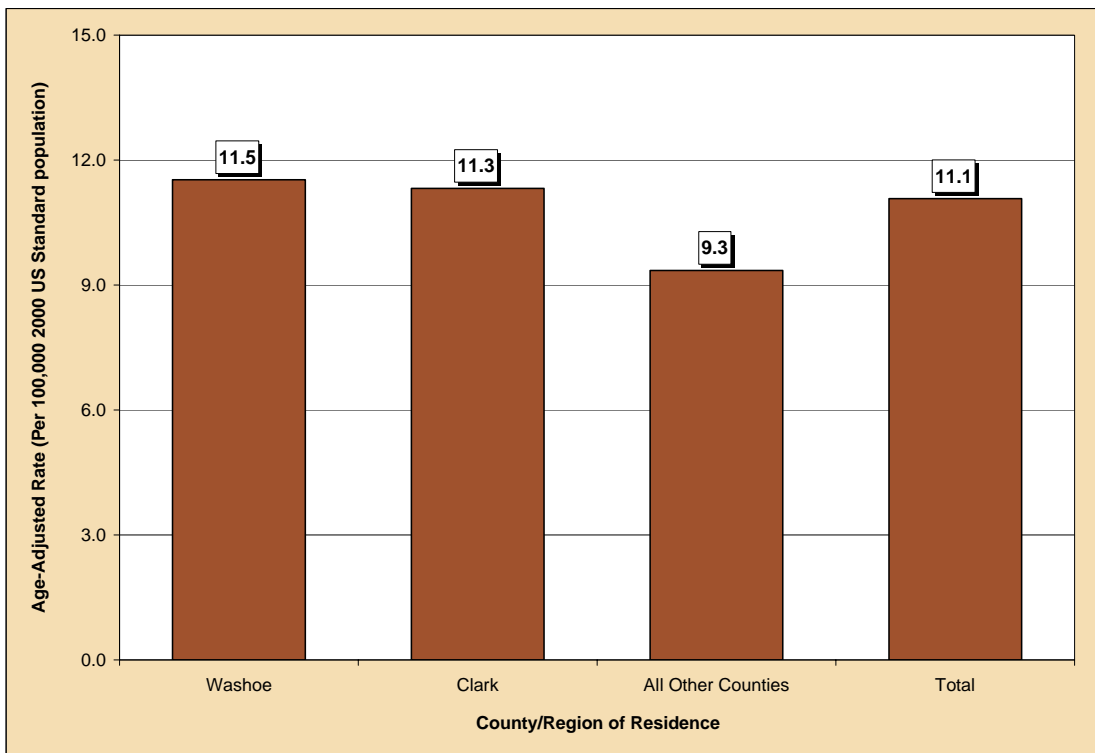


Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1999-2003

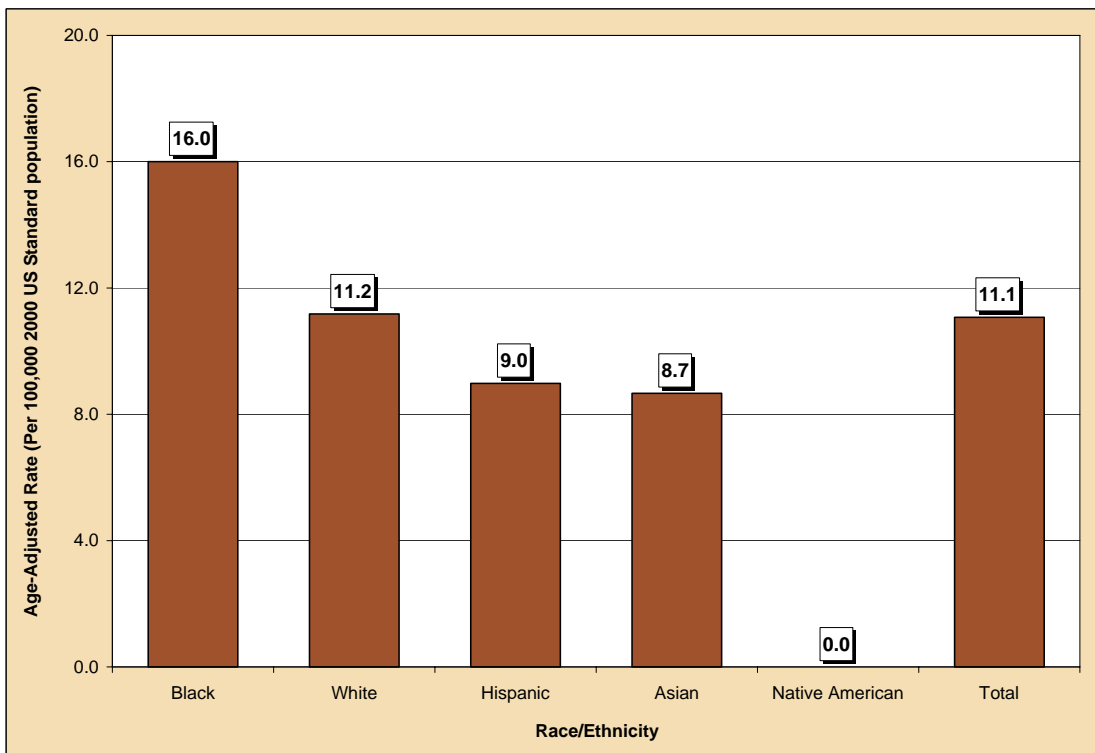


Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1999-2003) and SEER-13 (1998-2002)

Category	County/Region of Residence					SEER 13 (1998-2002)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,068	747	177	143	1	19,201
Rate*	11.1	11.1	11.1	11.1	---	11.0
95% C.I.	(10.4-11.8)	(10.4-11.8)	(10.4-11.8)	(10.4-11.8)	---	(10.9-11.2)
Gender						
Male	566	566	566	566	0	9,191
Rate*	12.4	12.4	12.4	12.4	---	12.6
95% C.I.	(11.3-13.5)	(11.3-13.5)	(11.3-13.5)	(11.3-13.5)	---	(12.3-12.8)
Female	501	501	501	501	1	9,550
Rate*	9.9	9.9	9.9	9.9	---	9.7
95% C.I.	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	(9.1-10.8)	---	(9.5-9.9)
Other/Unknown	1	0	1	0	0	0
Race/Ethnicity						
White	889	598	156	134	1	14,999
Rate*	11.2	11.2	11.2	11.2	---	10.8
95% C.I.	(10.4-12.0)	(10.4-12.0)	(10.4-12.0)	(10.4-12.0)	---	(10.6-11.0)
Black	79	71	7	1	0	2,116
Rate*	16.0	16.0	---	---	---	15.4
95% C.I.	(12.5-20.5)	(12.5-20.5)	---	---	---	(14.7-16.1)
Native American	0	0	0	0	0	121
Rate*	---	---	---	---	---	8.3
95% C.I.	---	---	---	---	---	(6.8-6.8)
Asian	36	31	3	2	0	1,524
Rate*	8.7	8.7	---	---	---	9.3
95% C.I.	(5.5-14.0)	(5.5-14.0)	---	---	---	(8.9-9.8)
Hispanic	57	42	10	5	0	1,470
Rate*	9.0	9.0	9.0	---	---	9.7
95% C.I.	(6.4-12.6)	(6.4-12.6)	(6.4-12.6)	---	---	(9.2-10.2)
Other/Unknown	7	5	1	1	0	30

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

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 13 (1998-2002)
Total						
Cases	1,068	747	177	143	1	19,201
Rate*	11.1	11.3	11.5	9.3	---	11.0
95% C.I.	(10.4-11.8)	(10.5-12.2)	(9.9-13.4)	(7.9-11.1)	---	(10.9-11.2)
Age Group						
<1	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
1-4	0	0	0	0	0	0
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.0)
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	2	2	0	0	0	19
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	6	4	1	1	0	80
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	28	18	8	2	0	513
Rate*	1.7	1.6	---	---	---	1.6
95% C.I.	(1.07-2.32)	(0.84-2.29)	---	---	---	(1.5-1.8)
45-54	115	79	22	14	0	1,872
Rate*	8.1	8.3	8.7	6.5	---	7.3
95% C.I.	(6.61-9.57)	(6.47-10.13)	(5.06-12.32)	(3.09-9.89)	---	(6.9-7.6)
55-64	240	166	38	36	0	3,357
Rate*	23.3	23.5	23.1	22.7	---	21.3
95% C.I.	(20.38-26.29)	(19.95-27.11)	(15.77-30.47)	(15.27-30.08)	---	(20.6-22.1)
65-74	322	238	43	40	1	5,354
Rate*	46.8	50.5	41.2	35.7	---	48.3
95% C.I.	(41.70-51.93)	(44.09-56.92)	(28.87-53.48)	(24.61-46.71)	---	(47.1-49.7)
75-84	282	201	47	34	0	5,651
Rate*	71.9	75.7	76.4	52.0	---	73.9
95% C.I.	(63.50-80.29)	(65.27-86.21)	(54.58-98.29)	(34.53-69.51)	---	(72.0-75.9)
85+	73	39	18	16	0	2,349
Rate*	83.0	70.1	108.3	101.6	---	87.7
95% C.I.	(63.94-102.00)	(48.11-92.12)	(58.29-158.39)	(51.82-151.39)	---	(84.2-91.3)
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 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	22	8.7	(5.06-12.33)	7.4	(4.6-11.3)
Churchill	11	9.0	(3.66-14.24)	9.8	(4.8-18.1)
Clark	747	10.2	(9.46-10.92)	11.3	(10.5-12.2)
Douglas	18	8.4	(4.52-12.28)	8.3	(4.7-13.7)
Elko	13	5.7	(2.61-8.82)	7.9	(3.7-15.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	27	14.6	(9.07-20.06)	12.9	(8.4-19.1)
Mineral	2	---	---	---	---
Nye	33	19.5	(12.83-26.11)	13.8	(9.3-20.6)
Pershing	3	---	---	---	---
Storey	2	---	---	---	---
Washoe	177	10.1	(8.64-11.62)	11.5	(9.9-13.4)
White Pine	5	---	---	---	---
Unknown	1	---	---	---	---
Total	1,068	10.2	(9.56-10.78)	11.1	(10.4-11.8)

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 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	475	413	1	889
	Rate*	12.5	9.9	---	11.2
	95% C.I.	(11.3-13.7)	(9.0-11.0)	---	(10.4-12.0)
Black	Incidence	39	40	0	79
	Rate*	16.1	15.9	---	16.0
	95% C.I.	(11.0-24.7)	(11.3-22.2)	---	(12.5-20.5)
Native American	Incidence	0	0	0	0
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	14	22	0	36
	Rate*	8.2	9.0	---	8.7
	95% C.I.	(3.6-19.2)	(5.1-16.6)	---	(5.5-14.0)
Hispanic	Incidence	35	22	0	57
	Rate*	13.7	6.0	---	9.0
	95% C.I.	(8.2-22.6)	(3.6-10.1)	---	(6.4-12.6)
Other/Unknown	3	4	0	7	
Total	Incidence	566	501	1	1,068
	Rate*	12.4	9.9	---	11.1
	95% C.I.	(11.3-13.5)	(9.1-10.8)	---	(10.4-11.8)

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 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender			
	Male	Female	Unknown	Total
<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	0	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	3	3	0	6
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	14	0	28
Rate*	1.63	1.76	---	1.69
95% C.I.	(0.78-2.49)	(0.84-2.68)	---	(1.07-2.32)
45-54	77	38	0	115
Rate*	10.69	5.42	---	8.09
95% C.I.	(8.30-13.08)	(3.70-7.15)	---	(6.61-9.57)
55-64	138	101	1	240
Rate*	27.16	19.41	---	23.34
95% C.I.	(22.63-31.70)	(15.62-23.19)	---	(20.38-26.29)
65-74	175	147	0	322
Rate*	51.57	42.18	---	46.81
95% C.I.	(43.93-59.21)	(35.36-49.00)	---	(41.70-51.93)
75-84	128	154	0	282
Rate*	72.21	71.63	---	71.89
95% C.I.	(59.70-84.72)	(60.32-82.95)	---	(63.50-80.29)
85+	29	44	0	73
Rate*	99.71	74.71	---	82.97
95% C.I.	(63.42-136.00)	(52.63-96.78)	---	(63.94-102.00)
Unknown	0	0	0	0
Total	566	501	1	1,068
Rate*	10.61	9.70	---	10.17
95% C.I.	(9.74-11.48)	(8.85-10.55)	---	(9.56-10.78)

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

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

Table 239. Pancreatic Cancer Cases by Age Group and Stage, Nevada Residents, 1999-2003

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	---	0	1	1	0	2
	Percent	---	---	50.0%	50.0%	---	100.0%
25-34	Number	---	0	1	2	3	6
	Percent	---	---	16.7%	33.3%	50.0%	100.0%
35-44	Number	---	0	9	14	5	28
	Percent	---	---	32.1%	50.0%	17.9%	100.0%
45-54	Number	---	8	39	44	24	115
	Percent	---	7.0%	33.9%	38.3%	20.9%	100.0%
55-64	Number	---	7	62	100	71	240
	Percent	---	2.9%	25.8%	41.7%	29.6%	100.0%
65-74	Number	---	26	71	122	103	322
	Percent	---	8.1%	22.0%	37.9%	32.0%	100.0%
75-84	Number	---	25	42	88	127	282
	Percent	---	8.9%	14.9%	31.2%	45.0%	100.0%
85+	Number	---	10	12	20	31	73
	Percent	---	13.7%	16.4%	27.4%	42.5%	100.0%
Unknown	Number	---	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	---	76	237	391	364	1,068
	Percent	---	7.1%	22.2%	36.6%	34.1%	100.0%

Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1999-2003

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	---	---	---	---	---	---	---
	Percent	---	---	---	---	---	---	---
Localized	Number	72	3	0	0	1	0	76
	Percent	8.1%	3.8%	---	---	1.8%	---	7.1%
Regional	Number	195	13	0	11	16	2	237
	Percent	21.9%	16.5%	---	30.6%	28.1%	28.6%	22.2%
Distant	Number	313	35	0	15	25	3	391
	Percent	35.2%	44.3%	---	41.7%	43.9%	42.9%	36.6%
Unstaged	Number	309	28	0	10	15	2	364
	Percent	34.8%	35.4%	---	27.8%	26.3%	28.6%	34.1%
Total	Number	889	79	0	36	57	7	1,068
	Percent	100.0%	100.0%	---	100.0%	100.0%	100.0%	100.0%

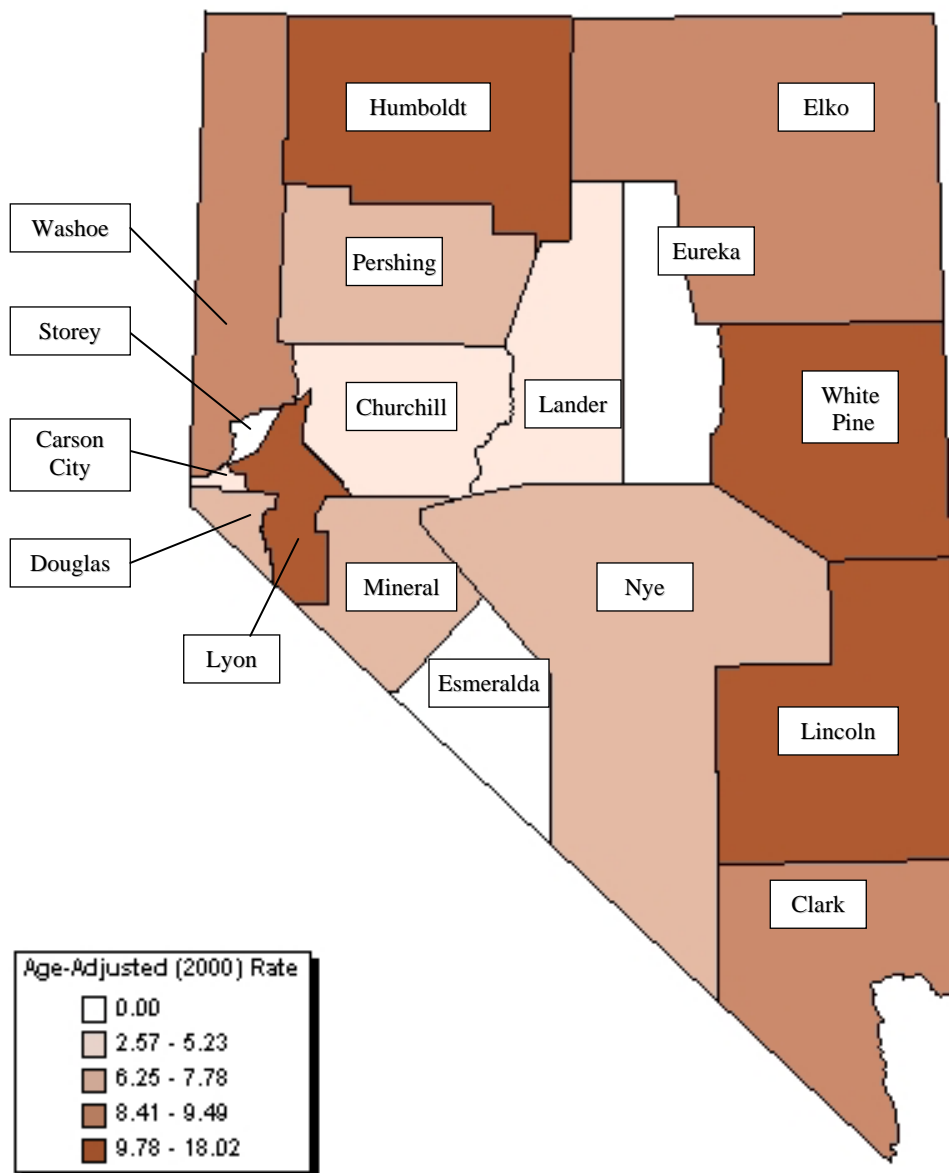
Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	475	68.0	413	73.0	888	70.0
Black	39	63.0	40	68.0	79	66.0
Native American	---	---	---	---	---	---
Asian	14	62.5	22	66.0	36	65.0
Hispanic	35	64.0	22	64.5	57	64.0
Other/Unknown	3	---	4	---	7	66.0
Total	566	67.0	501	72.0	1,067	69.0

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 157. Pancreatic Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1999-2003



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

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1999-2003

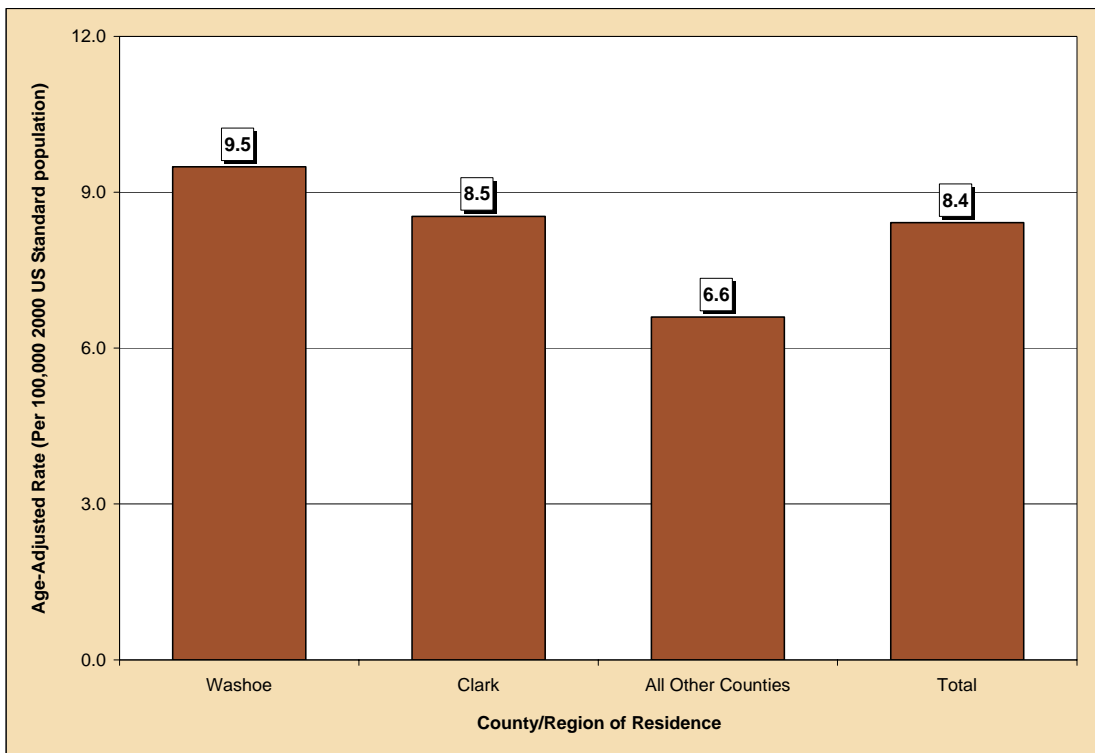


Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

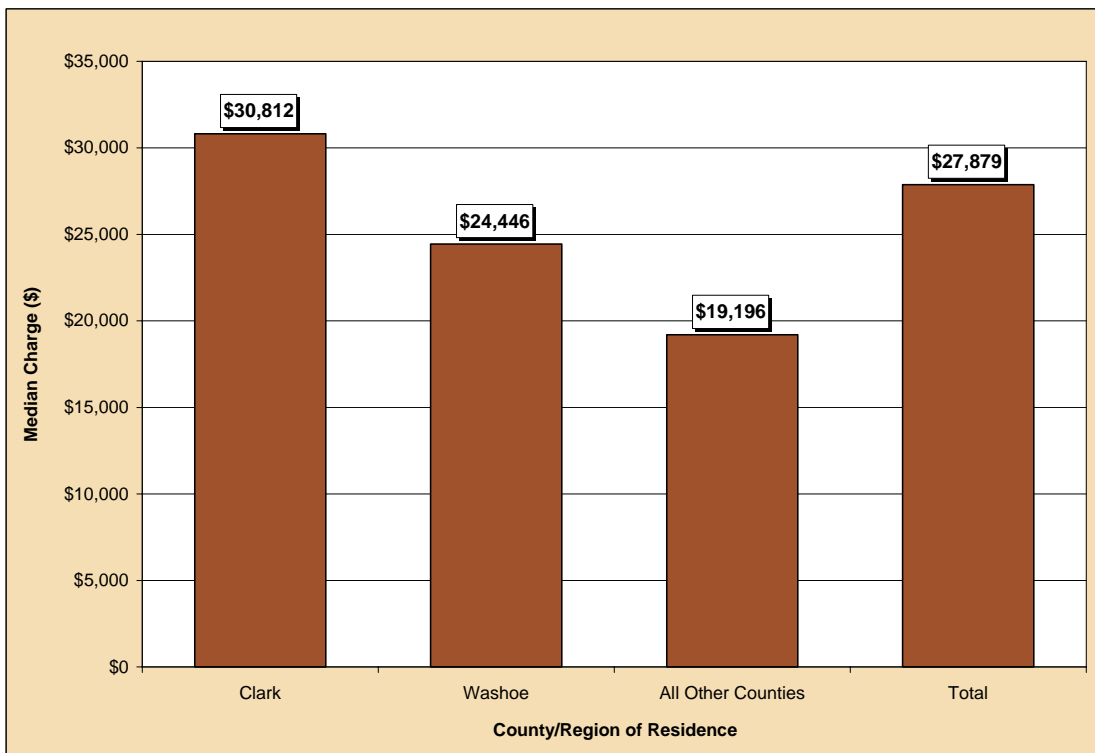


Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

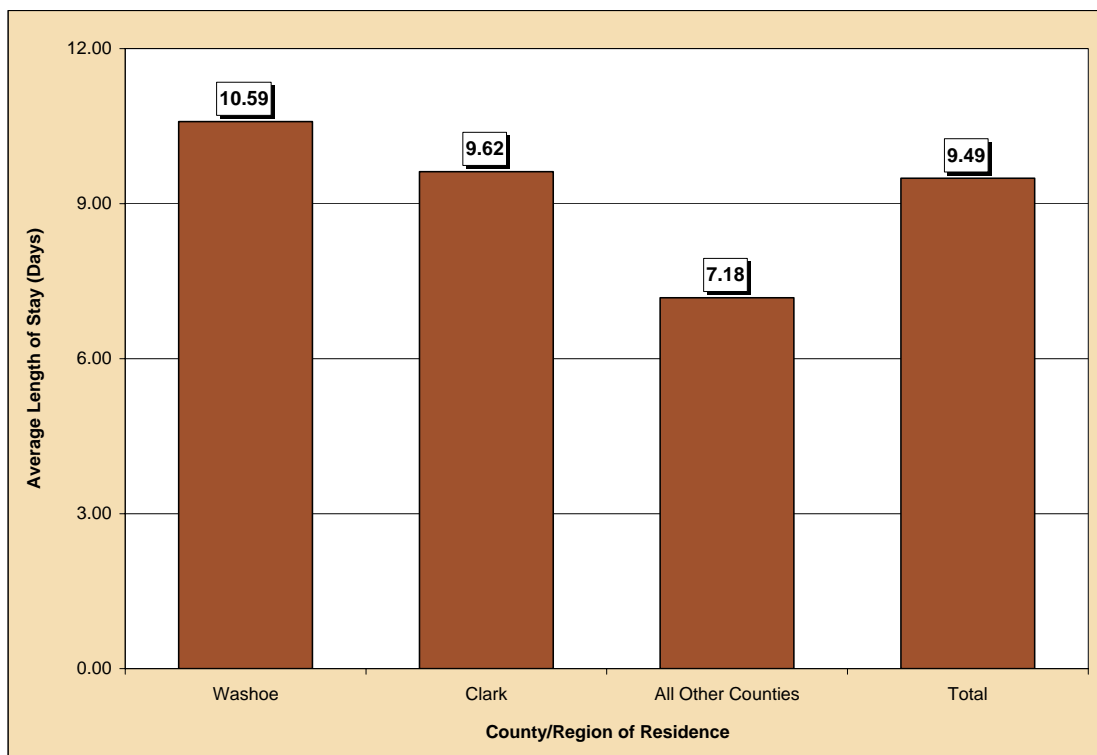


Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	822	573	148	101	0
Rate*	8.4	8.5	9.5	6.6	---
95% C.I.	(7.8-9.0)	(7.8-9.3)	(8.0-11.2)	(5.4-8.1)	---
Gender					
Male	429	306	70	53	0
Rate*	9.2	9.5	9.4	7.4	---
95% C.I.	(8.3-10.2)	(8.4-10.8)	(7.2-12.3)	(5.5-10.0)	---
Female	393	267	78	48	0
Rate*	7.7	7.7	9.4	6.0	---
95% C.I.	(7.0-8.5)	(6.8-8.7)	(7.5-11.8)	(4.4-8.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$39,665,508	\$29,403,506	\$6,978,031	\$3,283,971	---
Average Charges	\$48,255	\$51,315	\$47,149	\$32,515	---
Median Charges	\$27,879	\$30,812	\$24,446	\$19,196	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	7,803	5,511	1,567	725	---
Average LOS	9.5	9.6	10.6	7.2	---
Median LOS	7.0	7.0	8.0	5.0	---

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

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Discharges	822	573	148	101
Rate*	7.8	7.8	8.5	7.1
95% C.I.	(7.30-8.37)	(7.18-8.46)	(7.11-9.83)	(5.72-8.49)
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	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	4	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	27	13	11	3
Rate*	1.6	1.1	3.9	---
95% C.I.	(1.02-2.25)	(0.52-1.75)	(1.59-6.17)	---
45-54	88	64	16	8
Rate*	6.2	6.7	6.3	---
95% C.I.	(4.90-7.49)	(5.07-8.37)	(3.22-9.42)	---
55-64	194	134	37	23
Rate*	18.9	19.0	22.5	14.5
95% C.I.	(16.21-21.52)	(15.78-22.21)	(15.26-29.76)	(8.57-20.41)
65-74	262	194	36	32
Rate*	38.1	41.2	34.5	28.5
95% C.I.	(33.48-42.70)	(35.38-46.96)	(23.21-45.73)	(18.64-38.41)
75-84	191	136	31	24
Rate*	48.7	51.2	50.4	36.7
95% C.I.	(41.79-55.60)	(42.63-59.86)	(32.67-68.16)	(22.03-51.41)
85+	50	24	15	11
Rate*	56.8	43.2	90.3	69.9
95% C.I.	(41.08-72.58)	(25.89-60.41)	(44.59-135.98)	(28.57-111.13)
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 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	4	0	4
Rate*	---	---	---
95% C.I.	---	---	---
25-34	4	2	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	13	14	27
Rate*	1.51	1.76	1.63
95% C.I.	(0.69-2.34)	(0.84-2.68)	(1.02-2.25)
45-54	55	33	88
Rate*	7.64	4.71	6.19
95% C.I.	(5.62-9.66)	(3.10-6.31)	(4.90-7.49)
55-64	111	83	194
Rate*	21.85	15.95	18.86
95% C.I.	(17.78-25.91)	(12.52-19.38)	(16.21-21.52)
65-74	133	129	262
Rate*	39.19	37.02	38.09
95% C.I.	(32.53-45.85)	(30.63-43.41)	(33.48-42.70)
75-84	89	102	191
Rate*	50.21	47.45	48.69
95% C.I.	(39.78-60.64)	(38.24-56.65)	(41.79-55.60)
85+	20	30	50
Rate*	68.77	50.94	56.83
95% C.I.	(38.63-98.90)	(32.71-69.16)	(41.08-72.58)
Unknown	0	0	0
Total	429	393	822
Rate*	8.04	7.61	7.83
95% C.I.	(7.28-8.80)	(6.86-8.36)	(7.30-8.37)

* 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 245. Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1999-2003

County of Residence	1999-2003 Inpatient Hospital Discharges				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	6	---	---	---	---
Clark	573	7.8	(7.18-8.46)	8.5	(7.8-9.3)
Douglas	13	6.1	(2.77-9.36)	6.2	(3.2-11.3)
Elko	12	5.3	(2.29-8.26)	8.4	(3.9-16.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	1	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	24	12.9	(7.77-18.13)	11.6	(7.4-17.7)
Mineral	3	---	---	---	---
Nye	18	10.6	(5.71-15.53)	7.8	(4.5-13.4)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	148	8.5	(7.11-9.83)	9.5	(8.0-11.2)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	822	7.8	(7.30-8.37)	8.4	(7.8-9.0)

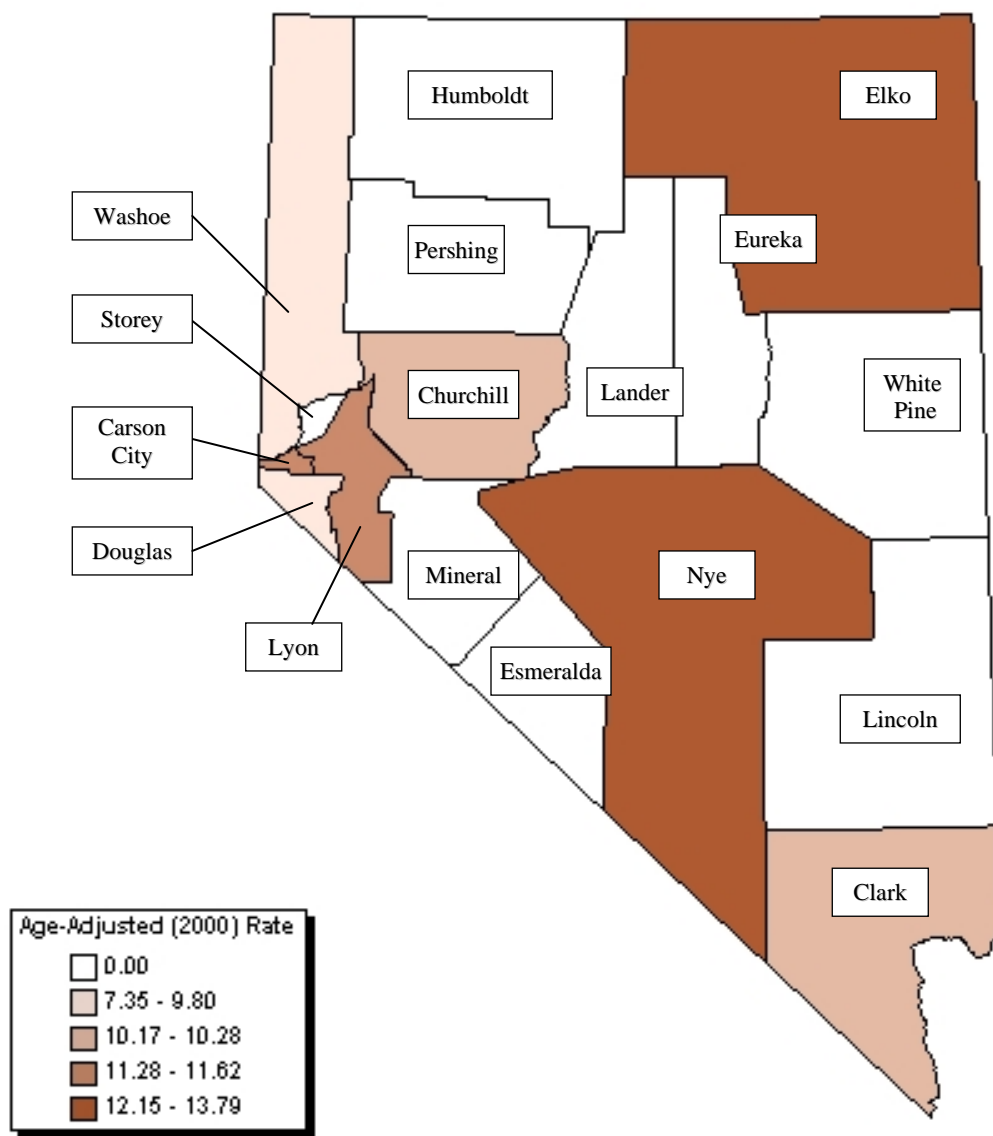
Note: The "---" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1999-2003

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	4	---	---	---	---	---	---
25-34	6	---	---	---	---	---	---
35-44	27	1,633,744	60,509	30,112	289	10.7	8.0
45-54	88	4,616,261	52,458	25,121	858	9.8	7.0
55-64	194	9,381,260	48,357	29,830	1,905	9.8	7.0
65-74	262	13,408,008	51,176	28,665	2,531	9.7	7.0
75-84	191	8,209,694	42,983	27,252	1,697	8.9	7.0
85+	50	1,596,206	31,924	23,958	372	7.4	6.5
Unknown	0	---	---	---	---	---	---
Total	822	39,665,508	48,255	27,879	7,803	9.5	7.0

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1999-2003



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

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1999-2003

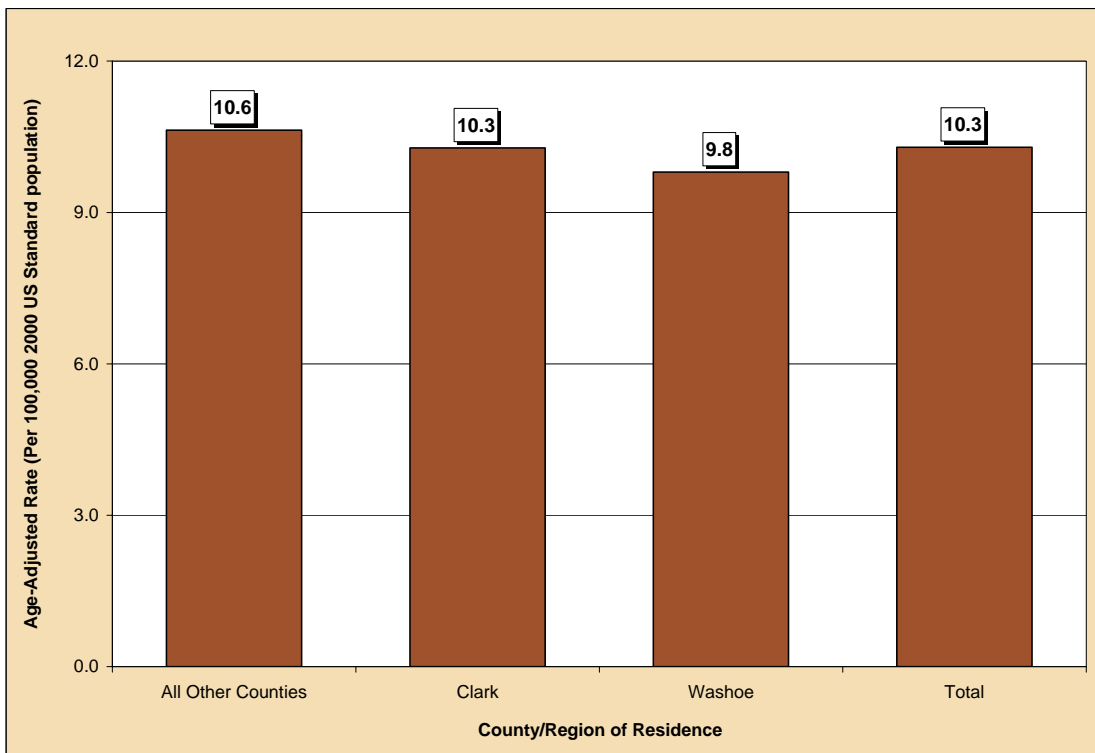


Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1999-2003

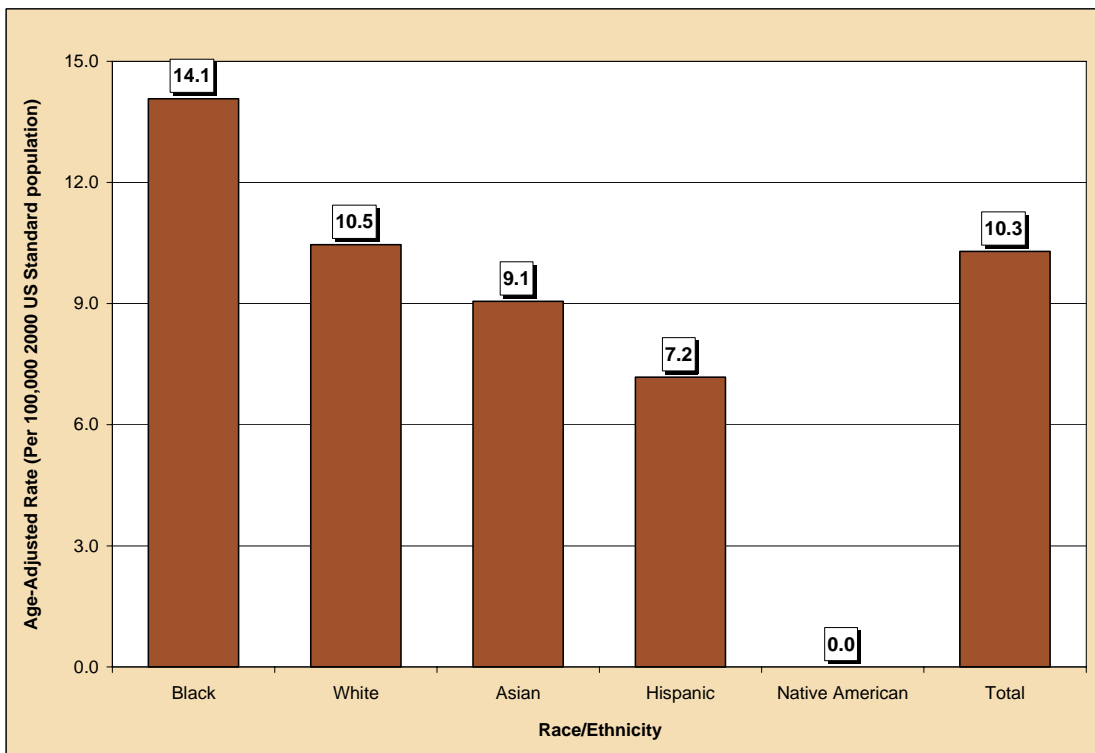


Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	977	669	145	163
Rate*	10.3	10.3	9.8	10.6
95% C.I.	(9.6-11.0)	(9.5-11.1)	(8.2-11.6)	(9.0-12.5)
Gender				
Male	509	509	509	509
Rate*	11.5	11.7	9.2	12.3
95% C.I.	(10.4-12.6)	(10.5-13.2)	(6.9-12.1)	(9.8-15.5)
Female	468	468	468	468
Rate*	9.3	9.1	10.2	9.3
95% C.I.	(8.5-10.2)	(8.1-10.1)	(8.1-12.7)	(7.3-11.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	827	552	127	148
Rate*	10.5	10.6	9.7	10.5
95% C.I.	(9.7-11.2)	(9.7-11.6)	(8.1-11.6)	(8.9-12.5)
Black	64	58	5	1
Rate*	14.1	13.6	---	---
95% C.I.	(10.6-18.6)	(10.1-18.4)	---	---
Native American	6	1	1	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	31	26	3	2
Rate*	9.1	9.4	---	---
95% C.I.	(5.5-14.9)	(5.3-16.7)	---	---
Hispanic	46	29	9	8
Rate*	7.2	5.2	---	---
95% C.I.	(4.9-10.5)	(3.2-8.5)	---	---
Other/Unknown	3	3	0	0

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

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

Table 248. Pancreatic Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1999-2003

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Deaths	977	669	145	163
Rate*	10.3	10.3	9.8	10.6
95% C.I.	(9.6-11.0)	(9.5-11.1)	(8.2-11.6)	(9.0-12.5)
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	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	2	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	17	11	4	2
Rate*	1.0	1.0	---	---
95% C.I.	(0.54-1.52)	(0.39-1.52)	---	---
45-54	85	61	13	11
Rate*	6.0	6.4	5.1	5.1
95% C.I.	(4.71-7.25)	(4.80-8.01)	(2.34-7.93)	(2.09-8.11)
55-64	201	142	25	34
Rate*	19.5	20.1	15.2	21.4
95% C.I.	(16.84-22.24)	(16.82-23.44)	(9.25-21.17)	(14.22-28.61)
65-74	307	215	38	54
Rate*	44.6	45.6	36.4	48.1
95% C.I.	(39.64-49.63)	(39.53-51.72)	(24.82-47.95)	(35.30-60.98)
75-84	284	196	43	45
Rate*	72.4	73.9	69.9	68.9
95% C.I.	(63.98-80.83)	(63.51-84.19)	(49.03-90.83)	(48.73-88.97)
85+	78	41	21	16
Rate*	88.7	73.7	126.4	101.6
95% C.I.	(68.98-108.33)	(51.15-96.28)	(72.34-180.46)	(51.82-151.39)
Unknown	0	0	0	0

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

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

Table 249. Pancreatic Cancer Mortality by County of Residence, Nevada Residents, 1999-2003

County of Residence at Diagnosis	1999-2003 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	35	13.8	(9.25-18.41)	11.6	(8.1-16.3)
Churchill	12	9.8	(4.24-15.29)	10.2	(5.2-18.4)
Clark	669	9.1	(8.44-9.82)	10.3	(9.5-11.1)
Douglas	17	7.9	(4.16-11.70)	7.4	(4.1-12.5)
Elko	15	6.6	(3.26-9.93)	12.2	(6.3-22.0)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	24	12.9	(7.77-18.13)	11.3	(7.2-17.2)
Mineral	3	---	---	---	---
Nye	34	20.1	(13.32-26.80)	13.8	(9.3-20.4)
Pershing	3	---	---	---	---
Storey	4	---	---	---	---
Washoe	145	8.3	(6.95-9.65)	9.8	(8.2-11.6)
White Pine	7	---	---	---	---
Unknown	0	---	---	---	---
Total	977	9.3	(8.72-9.89)	10.3	(9.6-11.0)

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 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	441	386	0	827
	Rate*	11.8	9.3	---	10.5
	95% C.I.	(10.6-13.0)	(8.4-10.3)	---	(9.7-11.2)
Black	Incidence	30	34	0	64
	Rate*	13.9	14.5	---	14.1
	95% C.I.	(8.6-22.9)	(9.9-20.7)	---	(10.6-18.6)
Native American	Incidence	4	2	0	6
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	10	21	0	31
	Rate*	8.8	9.4	---	9.1
	95% C.I.	(3.1-21.3)	(5.3-17.3)	---	(5.5-14.9)
Hispanic	Incidence	23	23	0	46
	Rate*	9.4	6.1	---	7.2
	95% C.I.	(4.9-17.4)	(3.6-10.2)	---	(4.9-10.5)
Other/Unknown	1	2	0	3	
Total	Incidence	509	468	0	977
	Rate*	11.5	9.3	---	10.3
	95% C.I.	(10.4-12.6)	(8.5-10.2)	---	(9.6-11.0)

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 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1999-2003

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
35-44	7	10	17
Rate*	---	1.26	1.03
95% C.I.	---	(0.48-2.03)	(0.54-1.52)
45-54	56	29	85
Rate*	7.78	4.14	5.98
95% C.I.	(5.74-9.81)	(2.63-5.64)	(4.71-7.25)
55-64	113	88	201
Rate*	22.24	16.91	19.54
95% C.I.	(18.14-26.34)	(13.38-20.44)	(16.84-22.24)
65-74	168	139	307
Rate*	49.51	39.89	44.63
95% C.I.	(42.02-56.99)	(33.26-46.52)	(39.64-49.63)
75-84	130	154	284
Rate*	73.34	71.63	72.40
95% C.I.	(60.73-85.95)	(60.32-82.95)	(63.98-80.83)
85+	33	45	78
Rate*	113.46	76.40	88.65
95% C.I.	(74.75-152.18)	(54.08-98.73)	(68.98-108.33)
Unknown	0	0	0
Total	509	468	977
Rate*	9.54	9.06	9.31
95% C.I.	(8.71-10.37)	(8.24-9.89)	(8.72-9.89)

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

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

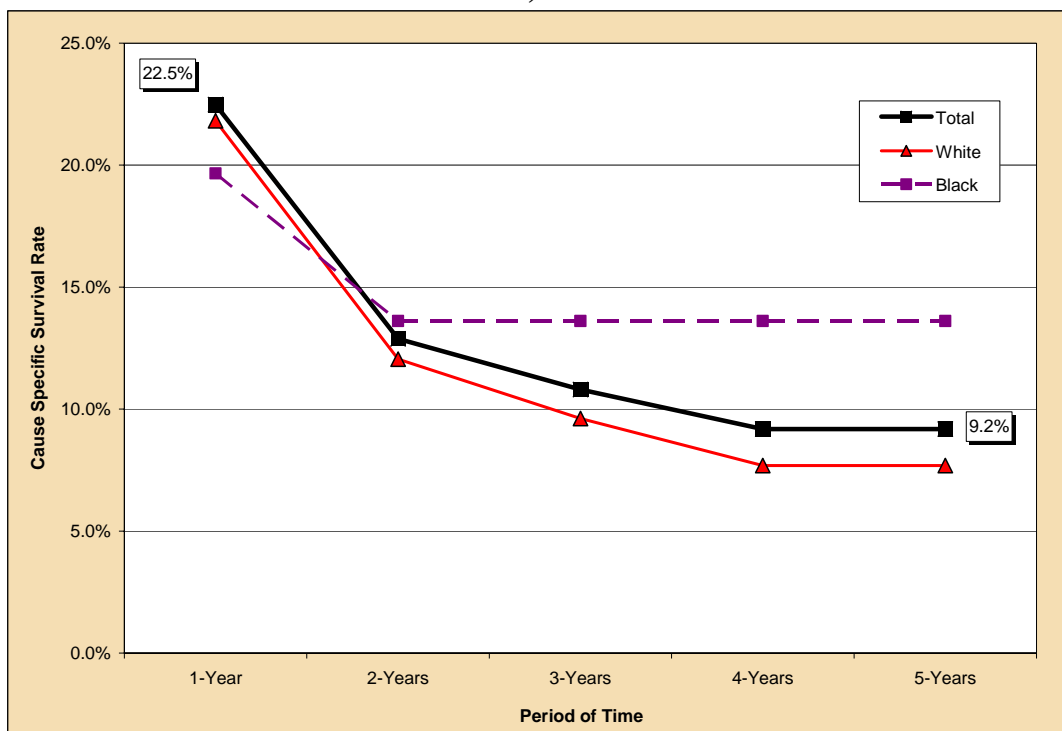
Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/Ethnicity	Gender					
	Male		Female		Total	
	Cases	Median Age	Cases	Median Age	Cases	Median Age
White	441	69.0	386	73.0	827	71.0
Black	30	64.5	34	69.0	64	68.0
Native American	4	---	2	---	6	69.5
Asian	10	69.0	21	69.0	31	69.0
Hispanic	23	66.0	23	63.0	46	63.5
Other/Unknown	1	---	2	---	3	---
Total	509	69.0	468	72.0	977	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.

SURVIVAL RATE

Figure 164. Survival Rates for Pancreatic Cancer by Race/Ethnicity, Nevada Residents, 1999-2003



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

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1999-2003

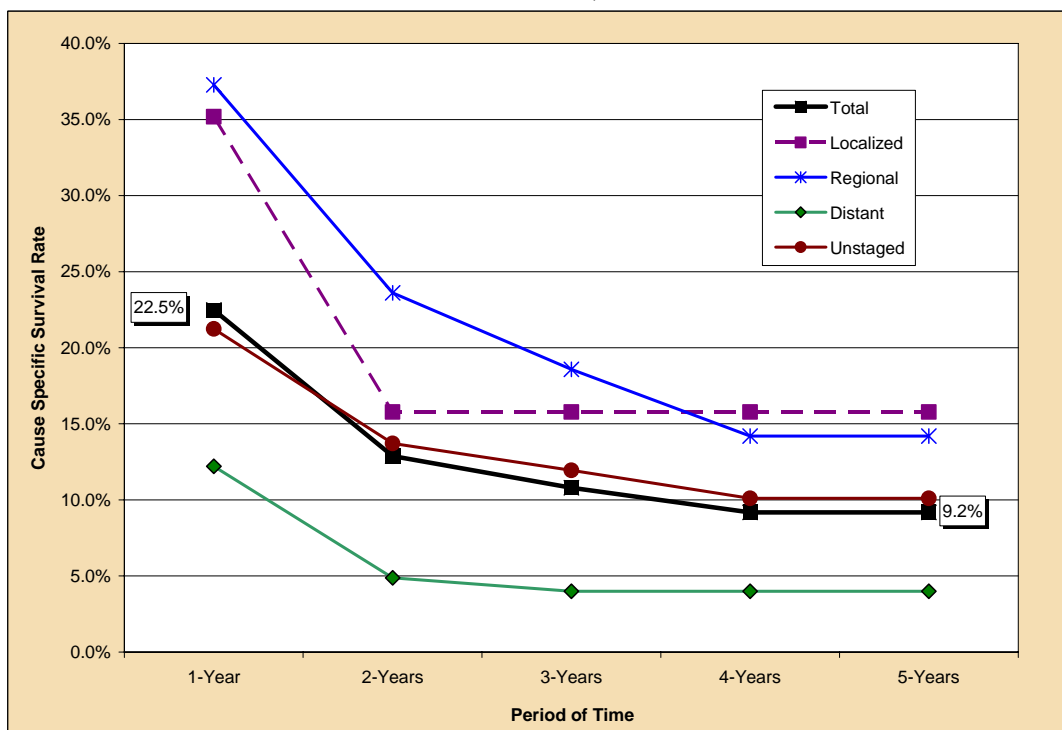


Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1999-2003

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	861	22.5%	12.9%	10.8%	9.2%	9.2%	0.64
Male	454	23.4%	13.4%	11.0%	7.5%	7.5%	0.65
Female	407	21.5%	12.3%	10.6%	10.6%	10.6%	0.64
Race/Ethnicity							
White	712	21.8%	12.1%	9.6%	7.7%	7.7%	0.64
Male	381	22.0%	12.4%	9.7%	5.8%	5.8%	0.64
Female	331	21.7%	11.7%	9.5%	9.5%	9.5%	0.64
Black	63	19.7%	13.6%	13.6%	13.6%	13.6%	0.62
Male	29	---	---	---	---	---	.
Female	34	---	---	---	---	---	.
Native American	0	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	32	---	---	---	---	---	.
Male	13	---	---	---	---	---	.
Female	19	---	---	---	---	---	.
Hispanic	47	---	---	---	---	---	.
Male	28	---	---	---	---	---	.
Female	19	---	---	---	---	---	.

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 254. Cause-Specific Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1999-2003

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	861	454	407
	One Year	22.5%	23.4%	21.5%
	5 Years	9.2%	7.5%	10.6%
	Median Survival	0.64	0.65	0.64
Stage at Diagnosis				
In situ	Cases	---	---	---
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	57	27	30
	One Year	35.2%	---	---
	5 Years	15.8%	---	---
	Median Survival	0.77	.	.
Regional	Cases	208	115	93
	One Year	37.3%	40.7%	33.0%
	5 Years	14.2%	8.9%	19.5%
	Median Survival	0.80	0.84	0.75
Distant	Cases	327	174	153
	One Year	12.2%	13.9%	10.3%
	5 Years	4.0%	0.0%	2.9%
	Median Survival	0.57	0.58	0.56
Unstaged	Cases	269	138	131
	One Year	21.2%	18.5%	24.2%
	5 Years	10.1%	9.2%	10.7%
	Median Survival	0.63	0.61	0.66

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.