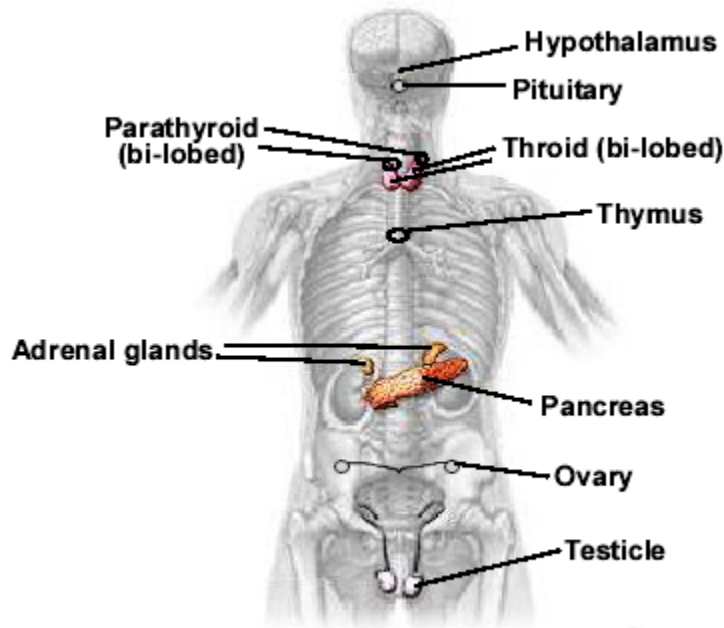


PANCREATIC CANCER

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, 10.0 (per 100,000 – 2000 US Standard population), for Pancreatic Cancer was 1.12 during the 1996 to 2000 period, which means that for every 1.12 Pancreatic Cancer cases there was one death due to this type of cancer in Nevada. Both females and males were similar with ratios of 1.13 and 1.12 during this period.
- 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 68 and 71 years during the 1996 to 2000 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 71 years of age for females.

INCIDENCE

- There were 917 cases of Pancreatic Cancer reported in Nevada from 1996 to 2000. Nevada's age-adjusted incidence rate for Pancreatic Cancer (11.1) was only slightly higher than the National rate of 10.9 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- While regional comparisons showed only slight variations between the age-adjusted incidence rates of Pancreatic Cancer for Clark County (11.3), All Other Counties (11.2) and Washoe County (10.2) from 1996 to 2000, statistical analysis shows no statistically significant difference between the three regions. This was the same for Males and Females in Nevada who had rates of 12.3 and 10.3 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest statistically significant age-adjusted incidence rate for Pancreatic Cancer, 17.7 (13.5-23.2), of any racial/ethnic group from 1996 to 2000. Whites, Hispanics and Asians followed with rates of 11.4 (10.6-12.2), 8.0 (5.1-12.2) and 5.9 (3.4-12.1), per 100,000 – 2000 US Standard population, respectively, during this time.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Pancreatic Cancer inpatient hospital discharges accounted for greater than 26.7 million dollars from 1996 to 2000. Nevadans in the 55-64 and 65-74 age groups accounted for 56.9% of the total inpatient discharges and 56.6% of the total billed charges during this period. The overall daily billed amount for Pancreatic Cancer inpatient hospital discharges was approximately \$4,000 in Nevada during this period.
- There were 708 inpatient hospital discharges for Pancreatic Cancer to residents in Nevada from 1996 to 2000. Clark County had the highest age-adjusted inpatient discharge rate, 9.3 (8.5-10.2), for Pancreatic Cancer and showed statistical significance over the All Other Counties region's rate of 6.2 (4.9-7.7), which was the lowest age-adjusted inpatient discharge rate of any region in Nevada during the 1996 to 2000 period.

- The median total billed charges in Nevada for inpatient discharges due to Cancer of the Pancreas were \$23,371 from 1996 to 2000. Clark and Washoe County had the highest median total billed charges, \$26,167 and \$23,196, which were more than double the All Other Counties' median billed amount of \$10,024.

MORTALITY

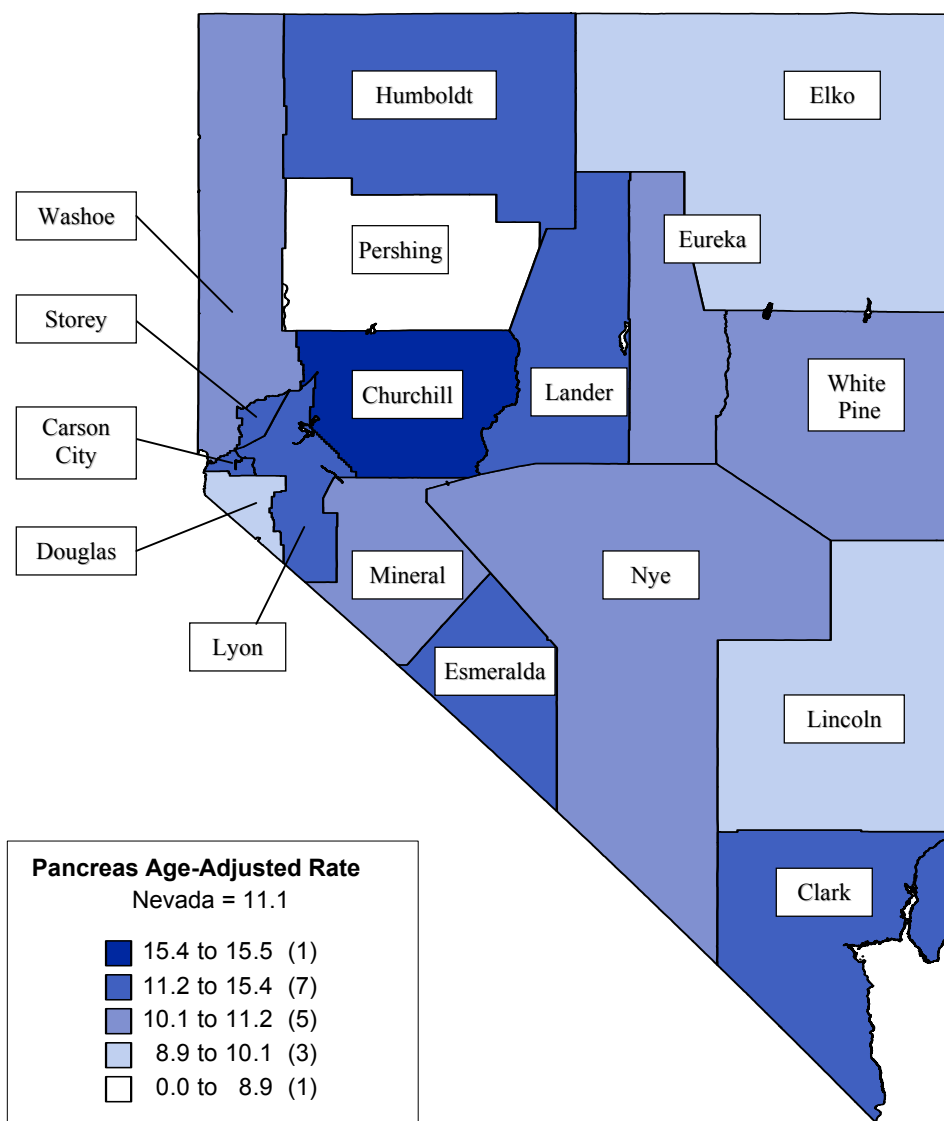
- There were 810 resident Pancreatic Cancer deaths from 1996 to 2000. Regional comparisons were fairly similar between Clark County, All Other Counties and Washoe County with rates of 10.3, 9.3 and 9.1 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest age-adjusted Pancreatic Cancer mortality rate, (13.3); followed by Whites, Hispanics and Asians with rates of 10.1, 8.4 and 5.2 (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 females with Pancreatic Cancer (22.1%) was slightly higher than the rate for males (21.7%) during the 1996 to 2000 period, the five-year survival rate decreased to 0.0% for females and 5.7% for males from 1996 to 2000.
- The one-year survival rate for those diagnosed with Pancreatic Cancer at the localized stage was 36.1%, while those diagnosed at the regional, distant and unstaged stages had rates of 27.1%, 12.5% and 21.5%, respectively, during the 1996 to 2000 period.
- From 1996 to 2000, the median survival time for Pancreatic Cancer diagnosed at the localized stage was 0.78 years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 0.69, 0.57 and 0.64 years, respectively.

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



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

Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

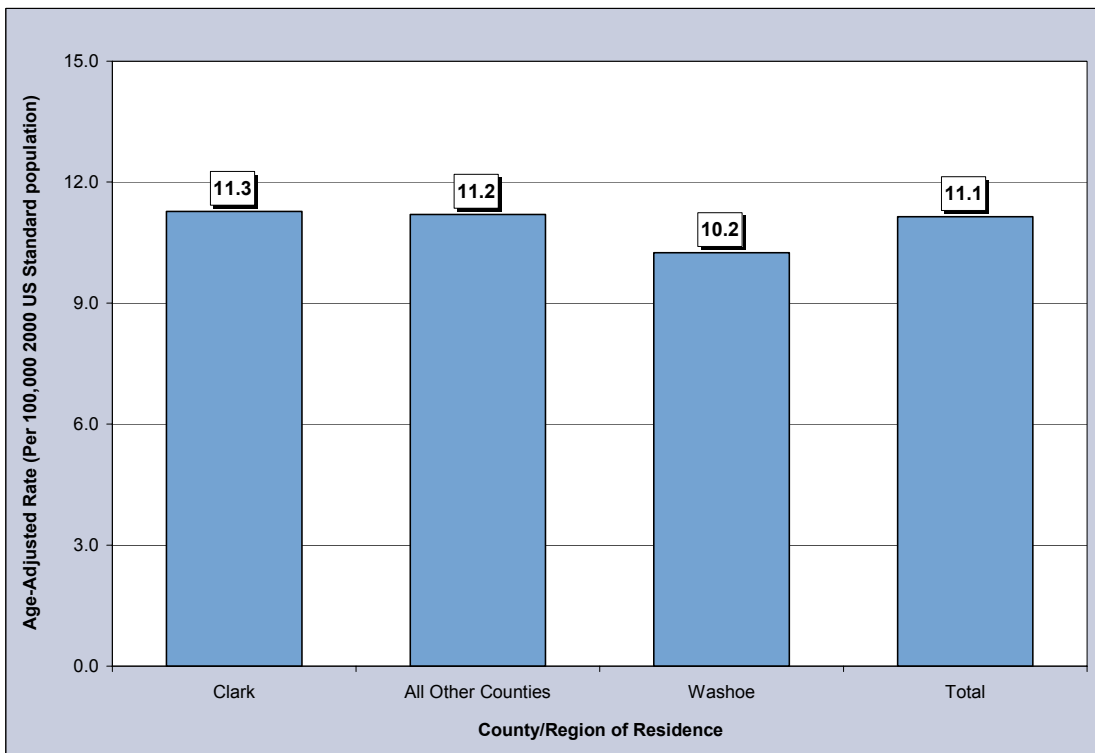


Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

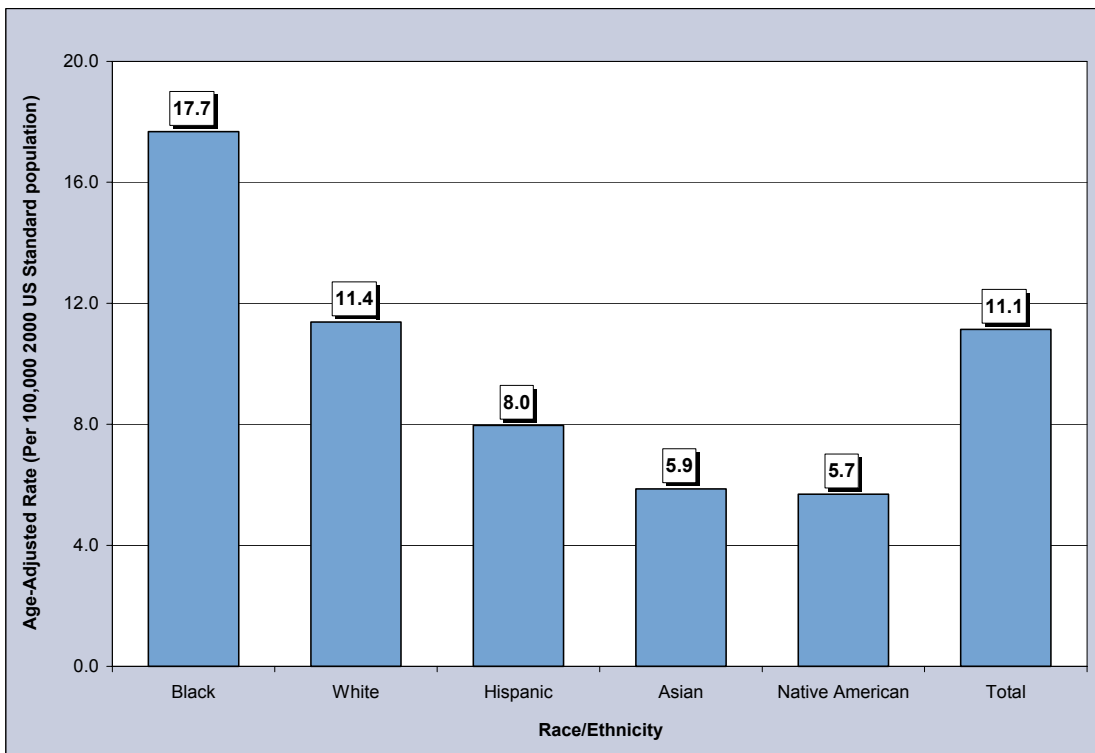


Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	917	614	144	154	5	18,152
Rate*	11.1	11.3	10.2	11.2	---	10.9
95% C.I.	(10.4-11.9)	(10.4-12.3)	(8.6-12.1)	(9.5-13.2)	---	(10.8-11.1)
Gender						
Male	471	311	75	82	3	8,778
Rate*	12.3	12.4	11.5	12.5	---	12.4
95% C.I.	(11.1-13.6)	(10.9-14.2)	(8.9-14.8)	(9.8-15.9)	---	(12.1-12.7)
Female	446	303	69	72	2	9,374
Rate*	10.3	10.5	9.2	10.1	---	9.7
95% C.I.	(9.3-11.3)	(9.4-11.8)	(7.1-11.7)	(7.9-12.7)	---	(9.6-9.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	791	508	132	147	4	14,562
Rate*	11.4	11.5	10.6	11.6	---	10.6
95% C.I.	(10.6-12.2)	(10.5-12.6)	(8.8-12.6)	(9.7-13.7)	---	(10.4-10.8)
Black	68	62	5	1	0	2,091
Rate*	17.7	17.7	---	---	---	15.9
95% C.I.	(13.5-23.2)	(13.3-23.5)	---	---	---	(15.2-16.6)
Native American	5	2	2	1	0	59
Rate*	---	---	---	---	---	5.9
95% C.I.	---	---	---	---	---	(4.5-4.5)
Asian	19	17	0	1	1	1,365
Rate*	5.9	6.3	---	---	---	9.4
95% C.I.	(3.4-12.1)	(3.5-14.2)	---	---	---	(8.9-9.9)
Hispanic	33	24	5	4	0	1,324
Rate*	8.0	7.7	---	---	---	8.5
95% C.I.	(5.1-12.2)	(4.4-12.8)	---	---	---	(8.1-9.0)
Other/Unknown	1	1	0	0	0	75

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

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1995-1999)
Total						
Cases	917	614	144	154	5	18,152
Rate*	9.9	9.8	8.8	11.2	---	9.8
95% C.I.	(9.2-10.5)	(9.0-10.5)	(7.4-10.2)	(9.5-13.0)	---	(9.7-9.9)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	1	0	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	2	2	0	0	0	14
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	1	1	0	0	0	80
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	14	9	3	2	0	470
Rate*	0.9	---	---	---	---	1.5
95% C.I.	(0.4-1.4)	---	---	---	---	(1.4-1.6)
45-54	91	63	13	15	0	1,625
Rate*	7.5	8.0	5.8	7.8	---	7.1
95% C.I.	(6.0-9.1)	(6.0-9.9)	(2.6-8.9)	(3.9-11.7)	---	(6.8-7.4)
55-64	208	144	31	32	1	3,029
Rate*	24.2	24.8	21.9	23.2	---	21.6
95% C.I.	(20.9-27.4)	(20.7-28.8)	(14.2-29.6)	(15.2-31.2)	---	(20.9-22.4)
65-74	304	200	48	55	1	5,327
Rate*	49.0	48.2	47.6	52.6	---	46.2
95% C.I.	(43.5-54.6)	(41.6-54.9)	(34.1-61.1)	(38.7-66.5)	---	(44.9-47.4)
75-84	232	155	38	36	3	5,342
Rate*	70.8	71.7	69.1	63.7	---	73.5
95% C.I.	(61.7-79.9)	(60.4-83.0)	(47.1-91.0)	(42.9-84.6)	---	(71.5-75.5)
85+	64	40	10	14	0	2,260
Rate*	90.8	93.4	69.4	106.1	---	91.1
95% C.I.	(68.6-113.1)	(64.4-122.3)	(26.4-112.4)	(50.5-161.7)	---	(87.4-94.9)
Unknown	0	0	0	0	0	0

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

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	38	15.5	(10.6-20.4)	13.0	(9.1-18.0)
Churchill	16	13.6	(6.9-20.2)	15.5	(8.7-25.7)
Clark	614	9.8	(9.0-10.5)	11.3	(10.4-12.3)
Douglas	21	10.5	(6.0-15.0)	9.2	(5.6-15.1)
Elko	10	4.4	(1.7-7.1)	9.3	(4.1-18.7)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	7	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	21	13.0	(7.4-18.5)	12.2	(7.4-19.4)
Mineral	4	---	---	---	---
Nye	23	15.5	(9.2-21.8)	10.2	(6.4-17.0)
Pershing	0	---	---	---	---
Storey	3	---	---	---	---
Washoe	144	8.8	(7.4-10.2)	10.2	(8.6-12.1)
White Pine	5	---	---	---	---
Unknown	5	---	---	---	---
Total	917	9.9	(9.2-10.5)	11.1	(10.4-11.9)

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 2000 US Standard population.

Table 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	406	385	0	791
	Rate*	12.4	10.5	---	11.4
	95% C.I.	(11.1-13.8)	(9.5-11.7)	---	(10.6-12.2)
Black	Incidence	36	32	0	68
	Rate*	17.9	16.4	---	17.7
	95% C.I.	(12.4-27.9)	(11.0-23.9)	---	(13.5-23.2)
Native American	Incidence	3	2	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	6	13	0	19
	Rate*	---	6.9	---	5.9
	95% C.I.	---	(3.3-17.6)	---	(3.4-12.1)
Hispanic	Incidence	20	13	0	33
	Rate*	13.0	5.3	---	8.0
	95% C.I.	(6.5-24.0)	(2.7-10.1)	---	(5.1-12.2)
Other/Unknown	0	1	0	1	
Total	Incidence	471	446	0	917
	Rate*	12.3	10.3	---	11.1
	95% C.I.	(11.1-13.6)	(9.3-11.3)	---	(10.4-11.9)

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

Table 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	8	6	0	14
Rate*	---	---	---	0.9
95% C.I.	---	---	---	(0.4-1.4)
45-54	58	33	0	91
Rate*	9.5	5.5	---	7.5
95% C.I.	(7.0-11.9)	(3.6-7.4)	---	(6.0-9.1)
55-64	112	96	0	208
Rate*	26.1	22.2	---	24.2
95% C.I.	(21.3-31.0)	(17.8-26.7)	---	(20.9-27.4)
65-74	172	132	0	304
Rate*	56.3	42.0	---	49.0
95% C.I.	(47.8-64.7)	(34.8-49.2)	---	(43.5-54.6)
75-84	89	143	0	232
Rate*	60.3	79.3	---	70.8
95% C.I.	(47.8-72.9)	(66.3-92.3)	---	(61.7-79.9)
85+	31	33	0	64
Rate*	136.7	69.1	---	90.8
95% C.I.	(88.6-184.9)	(45.5-92.6)	---	(68.6-113.1)
Unknown	0	0	0	0
Total	471	446	0	917
Rate*	10.0	9.8	---	9.9
95% C.I.	(9.1-10.9)	(8.8-10.7)	---	(9.2-10.5)

* 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, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
15-24	Number	0	1	0	1	0	2
	Percent	---	50.0%	---	50.0%	---	100.0%
25-34	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
35-44	Number	0	1	5	7	1	14
	Percent	---	7.1%	35.7%	50.0%	7.1%	100.0%
45-54	Number	0	5	33	26	27	91
	Percent	---	5.5%	36.3%	28.6%	29.7%	100.0%
55-64	Number	0	16	64	64	64	208
	Percent	---	7.7%	30.8%	30.8%	30.8%	100.0%
65-74	Number	0	24	87	78	115	304
	Percent	---	7.9%	28.6%	25.7%	37.8%	100.0%
75-84	Number	0	18	42	66	106	232
	Percent	---	7.8%	18.1%	28.4%	45.7%	100.0%
85+	Number	0	10	13	6	35	64
	Percent	---	15.6%	20.3%	9.4%	54.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	75	246	248	348	917
	Percent	---	8.2%	26.8%	27.0%	37.9%	100.0%

Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	66	6	0	3	0	0	75
	Percent	8.3%	8.8%	---	15.8%	---	---	8.2%
Regional	Number	205	17	3	7	13	1	246
	Percent	25.9%	25.0%	60.0%	36.8%	39.4%	100.0%	26.8%
Distant	Number	212	22	0	2	12	0	248
	Percent	26.8%	32.4%	---	10.5%	36.4%	---	27.0%
Unstaged	Number	308	23	2	7	8	0	348
	Percent	38.9%	33.8%	40.0%	36.8%	24.2%	---	37.9%
Total	Number	791	68	5	19	33	1	917
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

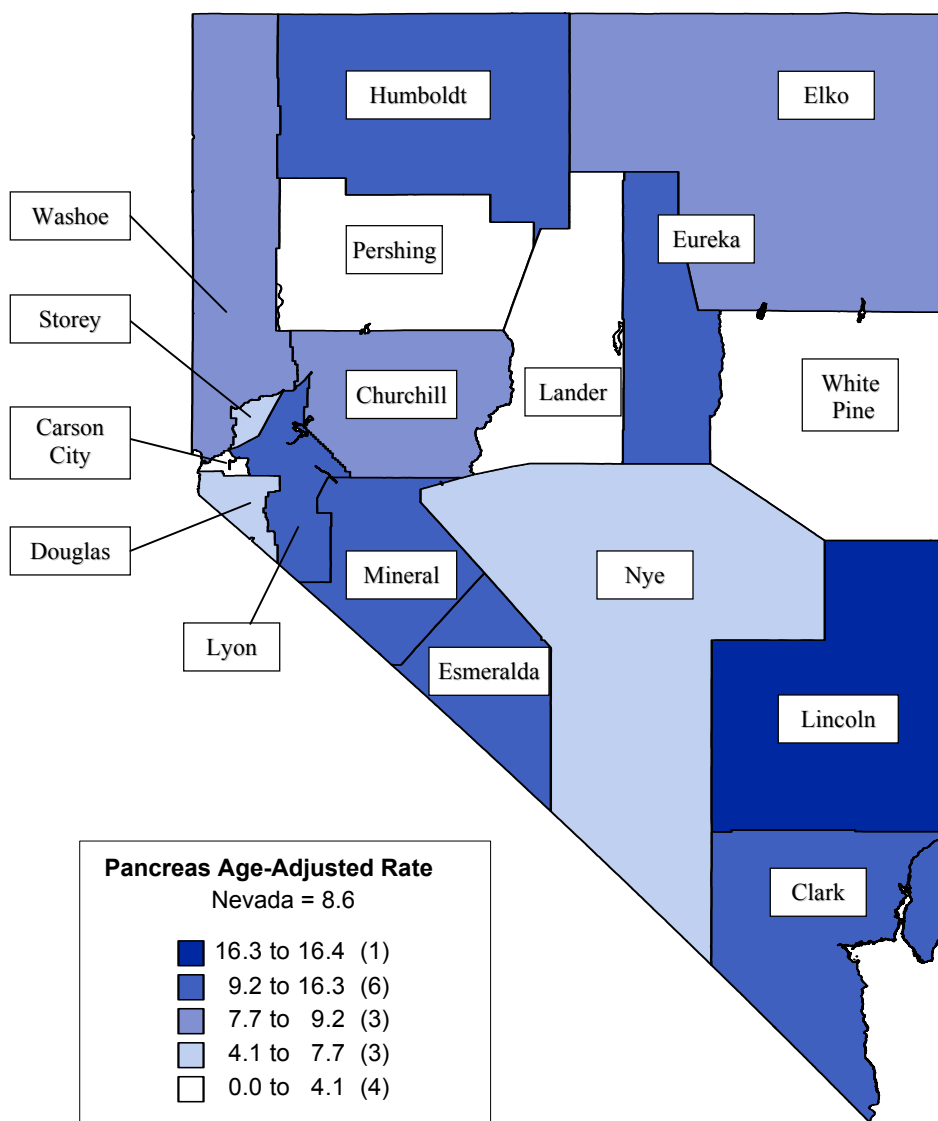
Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	406	68.0	385	71.0	791	70.0
Black	36	66.0	32	69.0	68	67.0
Native American	3	---	2	---	5	65.0
Asian	6	64.0	13	68.0	19	66.0
Hispanic	20	65.0	13	71.0	33	68.0
Other/Unknown	0	---	1	---	1	---
Total	471	68.0	446	71.0	917	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, 1996-2000



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

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

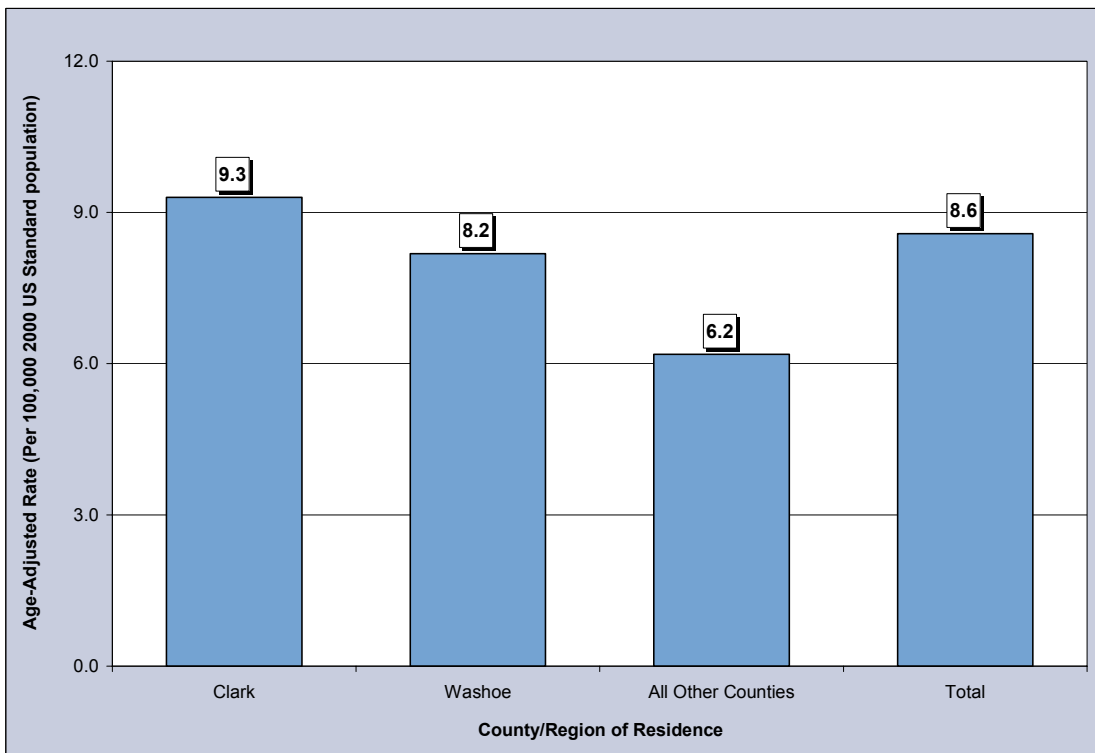


Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

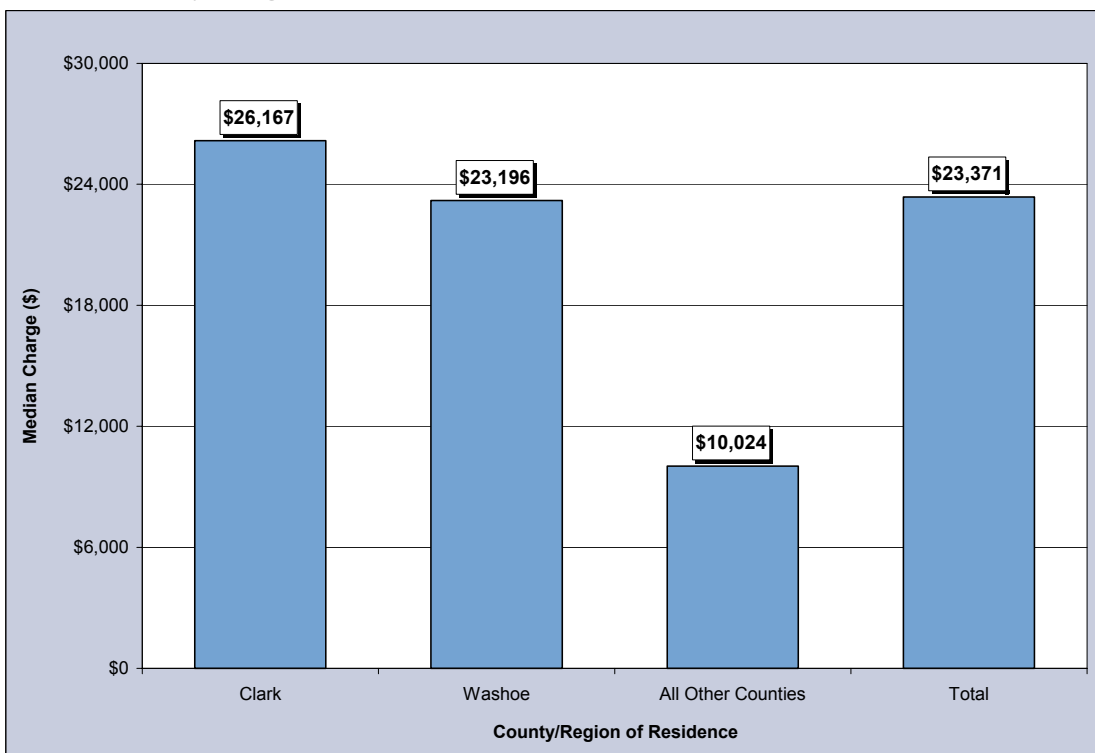


Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

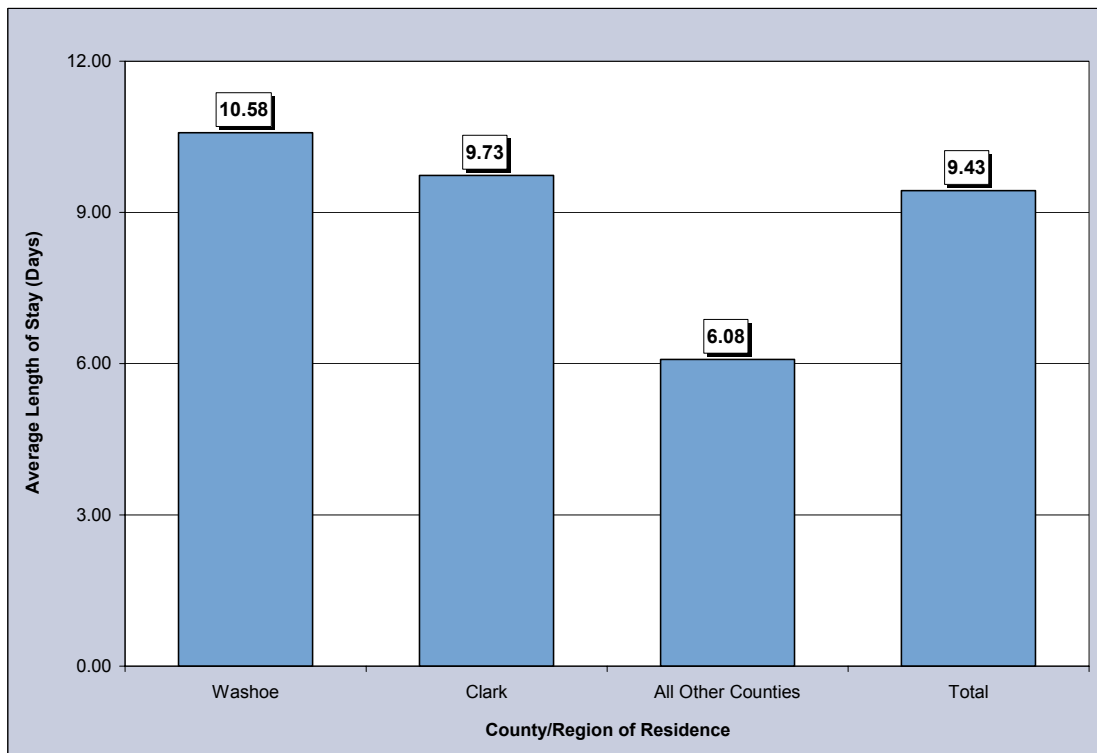


Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	708	509	114	85	0
Rate*	8.6	9.3	8.2	6.2	---
95% C.I.	(7.9-9.3)	(8.5-10.2)	(6.7-9.9)	(4.9-7.7)	---
Gender					
Male	360	260	46	54	0
Rate*	9.2	10.0	6.9	8.4	---
95% C.I.	(8.2-10.4)	(8.7-11.5)	(5.0-9.6)	(6.1-11.4)	---
Female	348	249	68	31	0
Rate*	8.0	8.7	9.1	4.3	---
95% C.I.	(7.2-8.9)	(7.6-9.9)	(7.0-11.5)	(2.9-6.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$26,724,783	\$21,294,562	\$3,783,187	\$1,647,034	---
Average Charges	\$37,747	\$41,836	\$33,186	\$19,377	---
Median Charges	\$23,371	\$26,167	\$23,196	\$10,024	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,677	4,954	1,206	517	---
Average LOS	9.4	9.7	10.6	6.1	---
Median LOS	7.0	7.0	9.0	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, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	708	509	114	85	0
Rate*	7.6	8.1	7.0	6.2	---
95% C.I.	(7.0-8.2)	(7.4-8.8)	(5.7-8.2)	(4.9-7.5)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	8	6	2	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
45-54	80	63	9	8	0
Rate*	6.6	8.0	---	---	---
95% C.I.	(5.2-8.1)	(6.0-9.9)	---	---	---
55-64	163	116	24	23	0
Rate*	18.9	20.0	17.0	16.3	---
95% C.I.	(16.0-21.8)	(16.3-23.6)	(10.2-23.8)	(9.6-22.9)	---
65-74	240	168	41	31	0
Rate*	38.7	40.5	40.7	30.7	---
95% C.I.	(33.8-43.6)	(34.4-46.7)	(28.2-53.1)	(19.9-41.6)	---
75-84	162	121	28	13	0
Rate*	49.4	56.0	50.9	23.6	---
95% C.I.	(41.8-57.0)	(46.0-65.9)	(32.0-69.7)	(10.8-36.5)	---
85+	52	32	10	10	0
Rate*	73.8	74.7	69.4	69.4	---
95% C.I.	(53.7-93.9)	(48.8-100.6)	(26.4-112.4)	(26.4-112.4)	---
Unknown	0	0	0	0	0

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

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

Table 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	1	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
45-54	55	25	80
Rate*	9.0	4.2	6.6
95% C.I.	(6.6-11.4)	(2.5-5.8)	(5.2-8.1)
55-64	81	82	163
Rate*	18.9	19.0	18.9
95% C.I.	(14.8-23.0)	(14.9-23.1)	(16.0-21.8)
65-74	136	104	240
Rate*	44.5	33.1	38.7
95% C.I.	(37.0-52.0)	(26.7-39.5)	(33.8-43.6)
75-84	61	101	162
Rate*	41.4	56.0	49.4
95% C.I.	(31.0-51.7)	(45.1-66.9)	(41.8-57.0)
85+	21	31	52
Rate*	92.6	64.9	73.8
95% C.I.	(53.0-132.2)	(42.0-87.7)	(53.7-93.9)
Unknown	0	0	0
Total	360	348	708
Rate*	7.6	7.6	7.6
95% C.I.	(6.8-8.4)	(6.8-8.4)	(7.0-8.2)

* 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, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	8	---	---	---	---
Clark	509	8.1	(7.4-8.8)	9.3	(8.5-10.2)
Douglas	12	6.0	(2.6-9.4)	6.1	(2.9-11.8)
Elko	8	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	6	---	---	---	---
Lander	0	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	19	11.7	(6.5-17.0)	11.1	(6.5-18.1)
Mineral	5	---	---	---	---
Nye	12	8.1	(3.5-12.7)	5.3	(2.7-11.2)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	114	7.0	(5.7-8.2)	8.2	(6.7-9.9)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	708	7.6	(7.0-8.2)	8.6	(7.9-9.3)

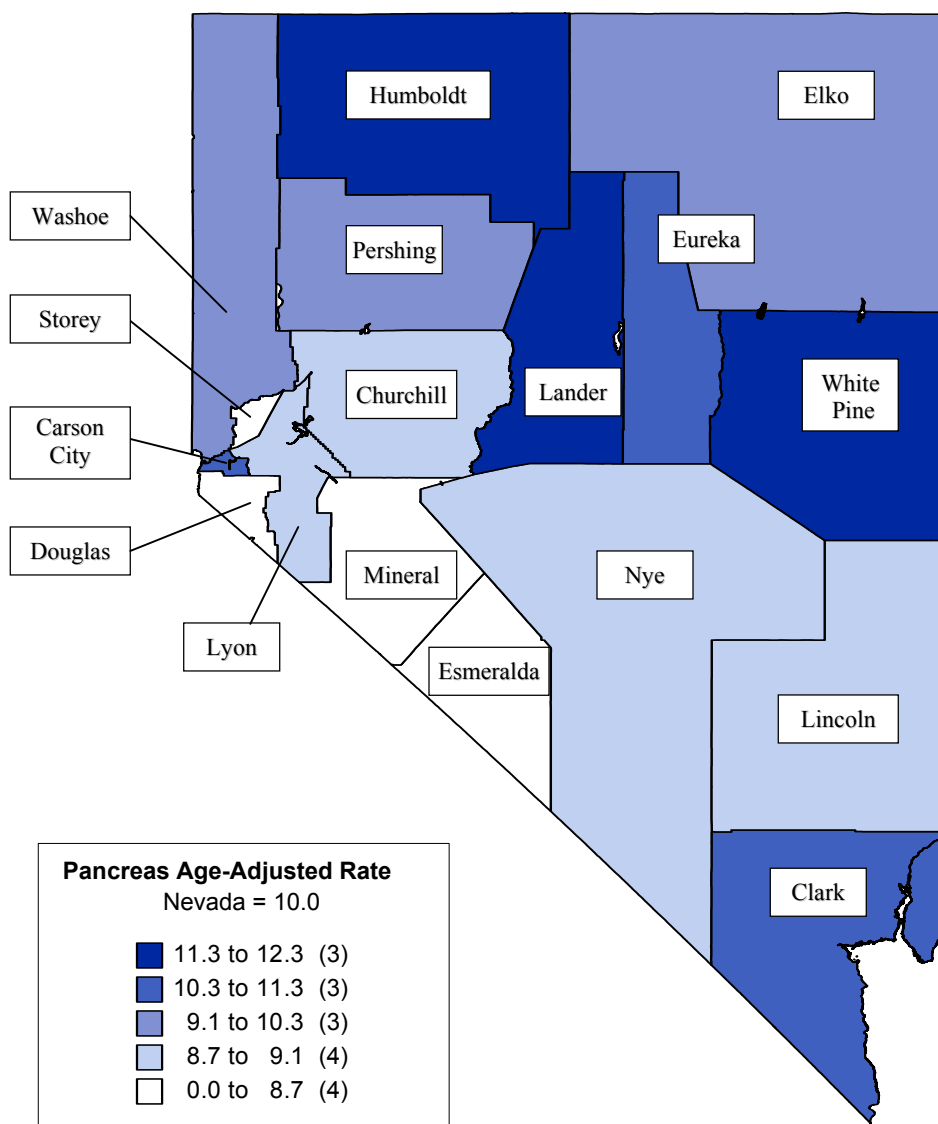
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	2	---	---	---	---	---	---
35-44	8	1,400,083	175,010	66,057	219	27.4	16.0
45-54	80	2,924,157	36,552	25,531	762	9.5	7.5
55-64	163	6,259,195	38,400	24,179	1,587	9.7	7.0
65-74	240	8,865,908	36,941	24,672	2,151	9.0	7.0
75-84	162	5,780,018	35,679	22,578	1,489	9.2	7.0
85+	52	1,399,872	26,921	16,183	430	8.3	6.0
Unknown	0	---	---	---	---	---	---
Total	708	26,724,783	37,747	23,371	6,677	9.4	7.0

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



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

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

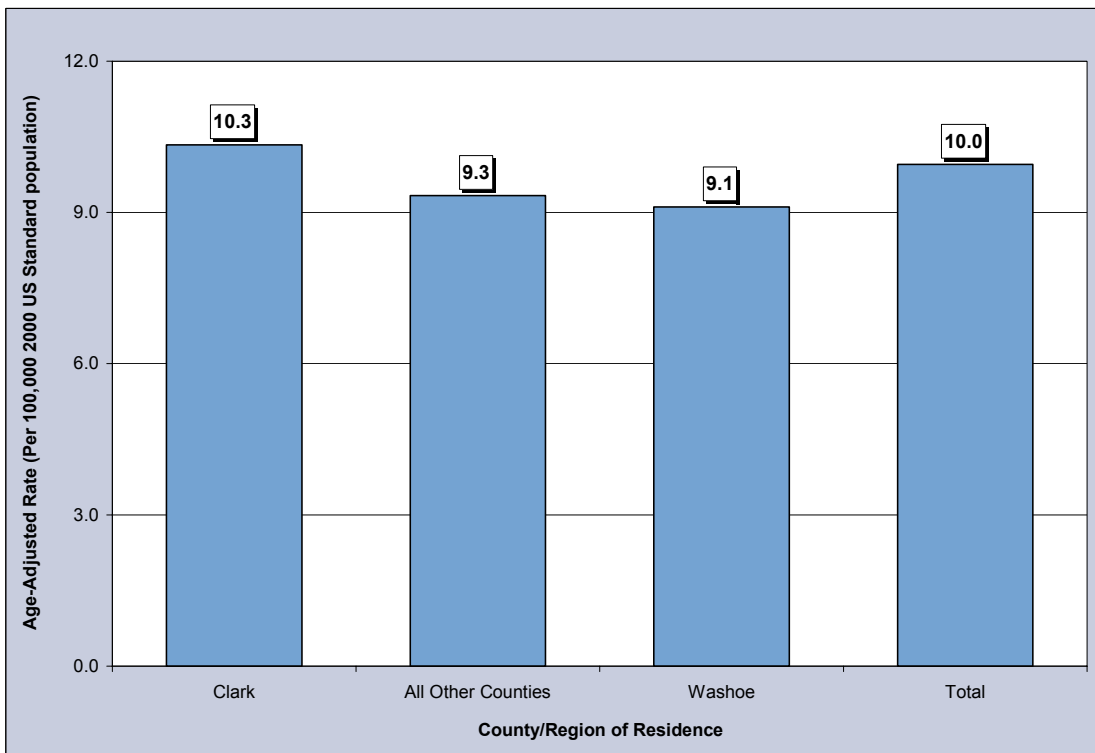


Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

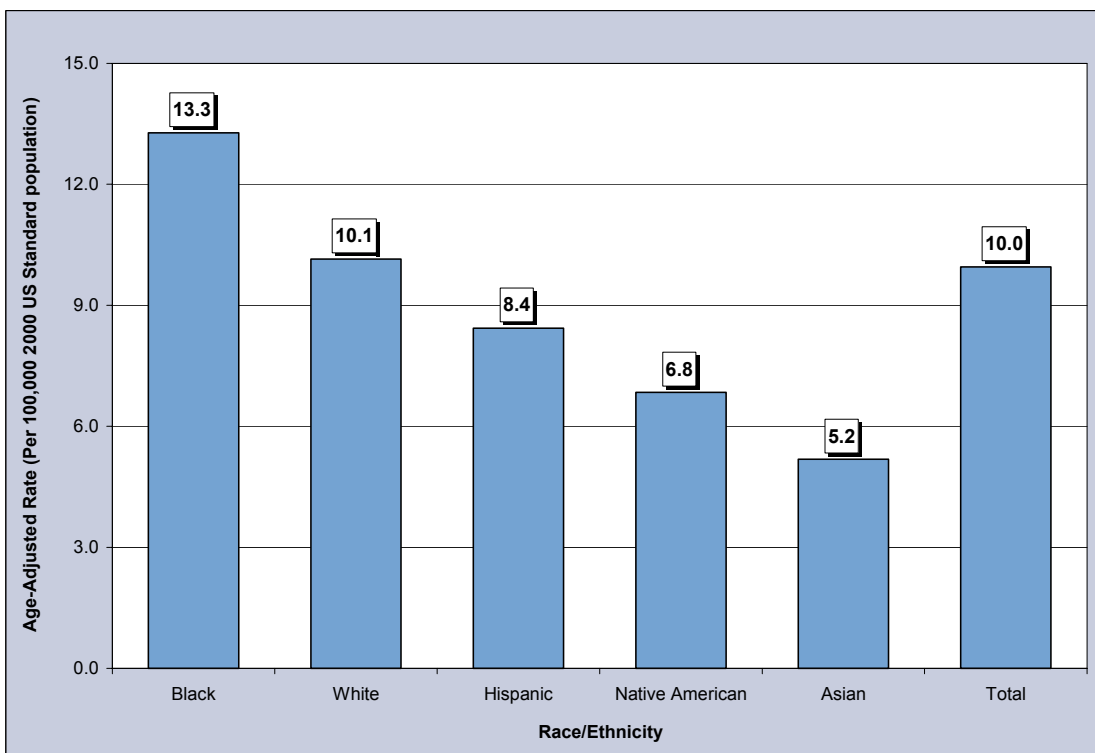


Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	810	556	125	129
Rate*	10.0	10.3	9.1	9.3
95% C.I.	(9.3-10.7)	(9.5-11.3)	(7.6-10.9)	(7.8-11.2)
Gender				
Male	420	284	66	70
Rate*	11.0	11.4	10.1	10.6
95% C.I.	(9.9-12.3)	(10.0-13.1)	(7.7-13.3)	(8.1-13.8)
Female	390	272	59	59
Rate*	9.1	9.6	8.0	8.2
95% C.I.	(8.2-10.1)	(8.4-10.8)	(6.1-10.3)	(6.2-10.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	700	458	118	124
Rate*	10.1	10.5	9.6	9.7
95% C.I.	(9.4-11.0)	(9.5-11.5)	(7.9-11.6)	(8.0-11.6)
Black	51	50	1	0
Rate*	13.3	14.2	---	---
95% C.I.	(9.7-18.2)	(10.3-19.6)	---	---
Native American	6	2	2	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	16	15	0	1
Rate*	5.2	6.1	---	---
95% C.I.	(2.8-11.4)	(3.3-14.0)	---	---
Hispanic	36	30	4	2
Rate*	8.4	9.0	---	---
95% C.I.	(5.5-12.7)	(5.6-14.4)	---	---
Other/Unknown	1	1	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, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	810	556	125	129
Rate*	8.7	8.8	7.6	9.4
95% C.I.	(8.1-9.3)	(8.1-9.6)	(6.3-9.0)	(7.8-11.0)
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	2	1	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	7	6	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	76	59	10	7
Rate*	6.3	7.4	4.5	---
95% C.I.	(4.9-7.7)	(5.5-9.3)	(1.7-7.2)	---
55-64	169	122	23	24
Rate*	19.6	21.0	16.3	17.4
95% C.I.	(16.7-22.6)	(17.3-24.7)	(9.6-22.9)	(10.4-24.4)
65-74	280	184	42	54
Rate*	45.2	44.4	41.6	51.7
95% C.I.	(39.9-50.5)	(38.0-50.8)	(29.0-54.2)	(37.9-65.5)
75-84	210	141	36	33
Rate*	64.1	65.2	65.4	58.4
95% C.I.	(55.4-72.7)	(54.4-76.0)	(44.0-86.8)	(38.5-78.4)
85+	65	42	12	11
Rate*	92.3	98.0	83.2	83.4
95% C.I.	(69.8-114.7)	(68.4-127.7)	(36.1-130.3)	(34.1-132.6)
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, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	32	13.1	(8.5-17.6)	10.8	(7.4-15.5)
Churchill	10	8.5	(3.2-13.7)	8.9	(4.3-17.2)
Clark	556	8.8	(8.1-9.6)	10.3	(9.5-11.3)
Douglas	17	8.5	(4.5-12.5)	7.1	(4.0-12.5)
Elko	11	4.8	(2.0-7.6)	9.9	(4.6-19.3)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	6	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	15	9.3	(4.6-14.0)	8.7	(4.7-15.2)
Mineral	3	---	---	---	---
Nye	20	13.5	(7.6-19.4)	8.8	(5.3-15.3)
Pershing	2	---	---	---	---
Storey	2	---	---	---	---
Washoe	125	7.6	(6.3-9.0)	9.1	(7.6-10.9)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	810	8.7	(8.1-9.3)	10.0	(9.3-10.7)

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 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	364	336	700
	Rate*	11.1	9.3	10.1
	95% C.I.	(9.9-12.5)	(8.3-10.3)	(9.4-11.0)
Black	Mortality	28	23	51
	Rate*	13.7	11.9	13.3
	95% C.I.	(9.0-23.0)	(7.4-18.6)	(9.7-18.2)
Native American	Mortality	4	2	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	3	13	16
	Rate*	---	7.8	5.2
	95% C.I.	---	(3.9-18.7)	(2.8-11.4)
Hispanic	Mortality	20	16	36
	Rate*	13.2	6.0	8.4
	95% C.I.	(6.7-24.3)	(3.2-10.9)	(5.5-12.7)
Other/Unknown	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	420	390	810
	Rate*	11.0	9.1	10.0
	95% C.I.	(9.9-12.3)	(8.2-10.1)	(9.3-10.7)

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 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	3	4	7
Rate*	---	---	---
95% C.I.	---	---	---
45-54	49	27	76
Rate*	8.0	4.5	6.3
95% C.I.	(5.8-10.2)	(2.8-6.2)	(4.9-7.7)
55-64	92	77	169
Rate*	21.5	17.8	19.6
95% C.I.	(17.1-25.8)	(13.8-21.8)	(16.7-22.6)
65-74	161	119	280
Rate*	52.7	37.9	45.2
95% C.I.	(44.5-60.8)	(31.1-44.7)	(39.9-50.5)
75-84	87	123	210
Rate*	59.0	68.2	64.1
95% C.I.	(46.6-71.4)	(56.2-80.3)	(55.4-72.7)
85+	27	38	65
Rate*	119.1	79.5	92.3
95% C.I.	(74.2-164.0)	(54.2-104.8)	(69.8-114.7)
Unknown	0	0	0
Total	420	390	810
Rate*	8.9	8.5	8.7
95% C.I.	(8.0-9.7)	(7.7-9.4)	(8.1-9.3)

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

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

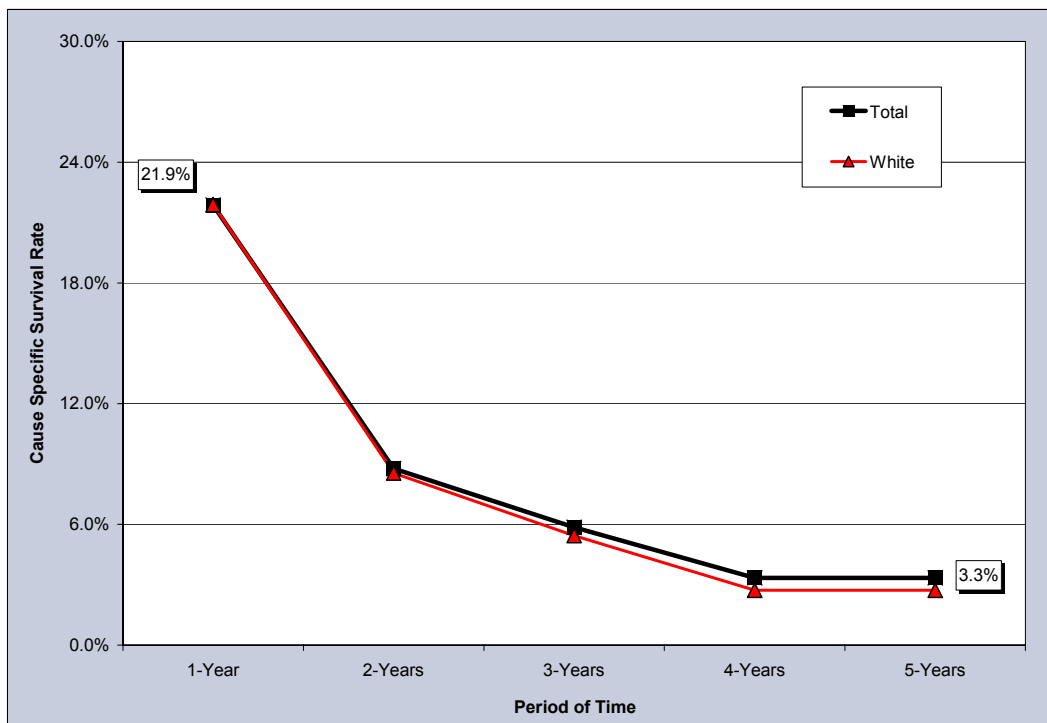
Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	364	70.0	336	72.0	700	70.0
Black	28	67.0	23	69.0	51	68.0
Native American	4	---	2	---	6	67.5
Asian	3	---	13	68.0	16	67.0
Hispanic	20	65.0	16	69.5	36	67.0
Other/Unknown	1	---	0	---	1	---
Total	420	69.0	390	71.0	810	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, 1996-2000



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

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

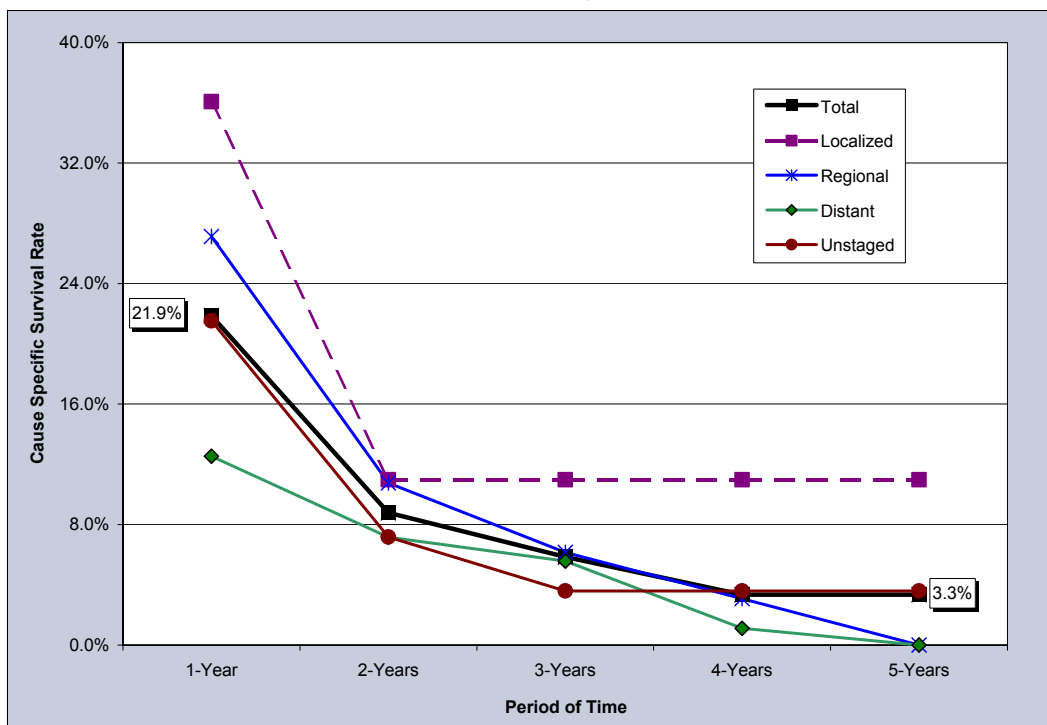


Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	584	21.9%	8.8%	5.9%	3.3%	3.3%	0.64
Male	308	21.7%	8.0%	5.7%	5.7%	5.7%	0.64
Female	276	22.1%	9.6%	6.1%	2.0%	---	0.64
Race/Ethnicity							
White	495	21.9%	8.6%	5.4%	2.7%	2.7%	0.64
Male	258	21.0%	7.2%	4.6%	4.6%	4.6%	0.63
Female	237	22.9%	10.0%	6.4%	2.1%	---	0.65
Black	50	20.9%	2.3%	---	---	---	0.63
Male	27	---	---	---	---	---	---
Female	23	---	---	---	---	---	---
Native American	2	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	15	---	---	---	---	---	---
Male	6	---	---	---	---	---	---
Female	9	---	---	---	---	---	---
Hispanic	21	---	---	---	---	---	---
Male	16	---	---	---	---	---	---
Female	5	---	---	---	---	---	---

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, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	584	308	276
	One Year	21.9%	21.7%	22.1%
	5 Years	3.3%	5.7%	0.0%
	Median Survival	0.64	0.64	0.64
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	54	32	22
	One Year	36.1%	34.5%	38.5%
	5 Years	11.0%	8.0%	0.0%
	Median Survival	0.78	0.76	0.81
Regional	Cases	196	106	90
	One Year	27.1%	24.8%	30.1%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.69	0.66	0.71
Distant	Cases	176	87	89
	One Year	12.5%	13.6%	11.5%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.57	0.58	0.56
Unstaged	Cases	158	83	75
	One Year	21.5%	21.6%	21.4%
	5 Years	3.6%	8.2%	0.0%
	Median Survival	0.64	0.64	0.64

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.