

Table XXI-1  
PANCREAS CANCER (Invasive)

TRENDS IN SEER INCIDENCE<sup>a</sup> AND U.S. MORTALITY<sup>b</sup> USING THE JOINPOINT REGRESSION PROGRAM, 1973-1999  
WITH UP TO THREE JOINPOINTS BY RACE AND SEX

	<u>All Races</u>		<u>Whites</u>		<u>Blacks</u>	
	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>	<u>Year</u>	<u>APC</u>
<u>SEER Cancer Incidence<sup>a</sup></u>						
Sex - Male and Female	1973-99	-0.3★	1973-99	-0.4★	1973-99	-0.1
Sex - Male	1973-99	-0.8★	1973-99	-0.9★	1973-99	-0.6★
Sex - Female	1973-84 1984-99	1.0★ -0.4★	1973-84 1984-99	0.9★ -0.5★	1973-99	0.3
<u>U.S. Cancer Mortality<sup>b</sup></u>						
Sex - Male and Female	1973-99	0.0	1973-88 1988-99	-0.2★ 0.1	1973-84 1984-99	1.8★ -0.1
Sex - Male	1973-86 1986-99	-0.7★ -0.3★	1973-87 1987-99	-0.9★ -0.2	1973-90 1990-99	0.7★ -1.2★
Sex - Female	1973-84 1984-99	0.8★ 0.2★	1973-83 1983-99	0.6★ 0.2★	1973-84 1984-99	2.6★ 0.3

The APC is the Annual Percent Change based on rates age-adjusted to the 2000 U.S. standard population by 5-year age groups using the Joinpoint Regression Program.

Trends are from the SEER 9 areas.

Trends are from the NCHS public use data file.

★ The APC is significantly different from zero (p<.05).

<sup>a</sup>  
<sup>b</sup>  
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Table XXI-2  
PANCREAS CANCER (Invasive)

## SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DIAGNOSIS:</u>									
1973	12.3	16.1	9.6	12.1	16.0	9.4	16.5	19.7	14.0
1974	11.8	14.3	10.0	11.4	13.9	9.7	17.1	22.0	13.5
1975	11.8	15.6	9.1	11.7	15.6	8.9	15.9	18.0	13.9
1976	12.0	14.8	9.9	11.8	14.5	9.8	17.5	22.5	14.0
1977	11.9	14.8	9.8	11.6	14.6	9.5	17.1	19.4	15.2
1978	11.1	14.1	8.9	10.8	13.9	8.6	15.1	20.0	11.5
1979	11.5	14.2	9.7	11.2	13.9	9.4	16.1	19.1	13.7
1980	11.5	14.2	9.6	11.1	13.7	9.2	17.9	21.8	15.5
1981	11.7	13.5	10.2	11.4	13.3	9.9	17.2	20.9	14.1
1982	11.7	13.8	10.2	11.4	13.4	9.9	16.9	21.0	14.0
1983	12.2	14.7	10.5	11.8	14.1	10.1	18.1	23.1	14.9
1984	12.2	13.9	10.9	12.0	13.9	10.6	17.2	18.4	16.3
1985	12.1	14.3	10.5	11.7	13.6	10.3	18.7	24.9	14.6
1986	11.7	13.8	10.2	11.4	13.5	9.8	17.4	20.2	15.7
1987	11.6	13.8	10.1	11.1	13.4	9.6	18.5	19.1	18.0
1988	11.7	13.7	10.2	11.1	13.3	9.6	18.6	19.6	17.4
1989	11.3	12.9	10.1	11.0	12.7	9.7	14.9	15.9	13.9
1990	11.3	12.8	10.1	11.0	12.5	9.8	15.2	18.8	12.6
1991	11.4	12.9	10.2	11.0	12.6	9.8	16.8	18.1	15.8
1992	11.6	13.1	10.4	11.3	12.8	10.0	17.3	19.5	15.8
1993	10.9	12.5	9.7	10.5	12.0	9.3	16.8	18.6	15.2
1994	11.3	13.2	9.9	10.8	12.3	9.7	17.5	21.2	14.7
1995	11.1	12.7	9.9	10.7	12.2	9.6	18.1	19.9	16.5
1996	11.3	12.8	9.9	10.9	12.4	9.6	16.9	19.3	14.8
1997	11.4	12.9	10.1	10.9	12.4	9.6	17.7	18.5	16.8
1998	11.3	12.8	10.1	11.0	12.7	9.7	14.6	15.5	14.0
1999	10.7	12.1	9.5	10.3	11.7	9.0	16.0	18.0	14.3
<u>AGE-ADJUSTED RATES, 1995-99</u>									
<u>AGE AT DIAGNOSIS:</u>									
All ages	11.1	12.6	9.9	10.7	12.3	9.5	16.6	18.2	15.2
Under 65	3.7	4.5	2.9	3.5	4.3	2.7	6.1	7.7	4.8
65 and over	62.7	69.0	58.1	60.8	67.4	56.1	89.2	90.8	87.5
All ages (world std.) <sup>ë</sup>	6.7	7.8	5.8	6.5	7.5	5.6	10.3	11.8	9.1
<u>AGE-SPECIFIC RATES, 1995-99</u>									
<u>AGE AT DIAGNOSIS:</u>									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	-	-	-	-	-	-	-	-	-
25-29	-	-	-	-	-	-	-	-	-
30-34	0.4	-	-	0.3	-	-	-	-	-
35-39	0.9	1.1	0.8	0.8	1.0	0.6	-	-	-
40-44	2.2	2.7	1.7	2.1	2.6	1.5	3.1	-	-
45-49	4.8	6.1	3.5	4.5	5.8	3.3	8.0	10.3	6.0
50-54	10.3	12.8	7.9	9.7	12.0	7.4	18.1	25.7	11.7
55-59	18.0	21.6	14.6	16.7	19.8	13.7	33.0	42.5	25.2
60-64	27.2	32.9	22.0	26.4	32.9	20.5	41.1	47.3	36.3
65-69	40.6	46.7	35.5	39.2	44.8	34.5	58.4	70.6	48.9
70-74	56.1	62.8	50.9	54.2	61.8	48.1	83.3	78.3	86.8
75-79	69.2	74.0	65.9	67.2	72.0	63.8	103.9	110.0	99.8
80-84	82.5	93.4	76.1	79.6	91.1	72.8	115.3	111.9	117.1
85+	90.6	94.2	89.1	89.5	93.4	87.9	113.8	103.2	118.5

§ SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

ë SEER 9 areas. Rates are per 100,000 and are age-adjusted to the world standard population.

- Statistic not shown. Rate based on less than 25 cases for the time interval.

Table XXI-3  
PANCREAS CANCER (Invasive)

## U.S. DEATH RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
<u>YEAR OF DEATH:</u>									
1973	10.7	14.0	8.3	10.5	13.8	8.2	12.4	15.8	9.8
1974	10.6	13.4	8.5	10.4	13.3	8.4	12.2	15.0	10.0
1975	10.7	13.8	8.4	10.5	13.6	8.3	12.8	16.3	10.1
1976	10.7	13.6	8.6	10.5	13.4	8.4	12.9	16.0	10.5
1977	10.9	13.9	8.8	10.7	13.6	8.6	13.2	17.1	10.3
1978	10.8	13.6	8.8	10.6	13.5	8.6	12.9	15.9	10.7
1979	10.7	13.4	8.8	10.5	13.3	8.6	13.4	15.9	11.6
1980	10.6	13.1	8.8	10.4	12.8	8.6	13.8	16.5	11.8
1981	10.7	13.2	8.9	10.5	12.9	8.8	13.4	17.0	10.8
1982	10.6	13.1	8.8	10.3	12.8	8.6	14.1	17.1	11.9
1983	10.7	12.8	9.1	10.4	12.4	8.9	14.8	18.1	12.5
1984	10.8	13.0	9.2	10.5	12.6	8.9	15.0	17.5	13.1
1985	10.6	12.9	9.0	10.3	12.5	8.8	14.4	17.3	12.4
1986	10.6	12.5	9.2	10.3	12.2	8.9	14.6	16.7	13.0
1987	10.6	12.5	9.2	10.3	12.2	8.9	14.6	17.4	12.6
1988	10.5	12.5	9.0	10.1	12.2	8.6	14.5	17.1	12.7
1989	10.6	12.6	9.2	10.3	12.2	8.8	15.0	17.7	13.2
1990	10.7	12.6	9.3	10.3	12.2	8.9	15.2	18.0	13.2
1991	10.7	12.6	9.3	10.4	12.3	9.0	14.5	16.9	12.8
1992	10.7	12.6	9.3	10.4	12.2	9.0	15.4	18.1	13.5
1993	10.7	12.4	9.4	10.4	12.1	9.1	15.1	17.5	13.4
1994	10.7	12.4	9.4	10.3	12.0	9.0	15.2	17.6	13.5
1995	10.5	12.1	9.3	10.3	11.9	9.0	14.0	15.6	12.7
1996	10.5	12.1	9.3	10.2	11.8	9.0	14.5	16.3	13.1
1997	10.5	12.2	9.2	10.2	12.0	8.9	14.7	16.2	13.4
1998	10.6	12.3	9.3	10.3	12.0	8.9	14.6	16.3	13.3
1999	10.7	12.3	9.4	10.5	12.1	9.2	14.3	16.4	12.7
<u>AGE-ADJUSTED RATES, 1995-99</u>									
<u>AGE AT DEATH:</u>									
All ages	10.6	12.2	9.3	10.3	12.0	9.0	14.4	16.2	13.0
Under 65	3.2	3.9	2.5	3.1	3.8	2.4	4.7	6.0	3.7
65 and over	61.7	69.6	56.2	60.5	68.7	54.7	81.3	86.5	77.4
All ages (world std.) <sup>ö</sup>	6.2	7.3	5.3	6.0	7.1	5.1	8.6	10.1	7.5
<u>AGE-SPECIFIC RATES, 1995-99</u>									
<u>AGE AT DEATH:</u>									
0-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	0.0	-	-	-	-	-	-	-	-
25-29	0.1	0.1	-	0.1	0.1	-	-	-	-
30-34	0.2	0.2	0.2	0.2	0.2	0.2	0.3	-	-
35-39	0.7	0.8	0.6	0.6	0.8	0.5	1.1	1.3	1.0
40-44	1.8	2.3	1.4	1.7	2.2	1.3	2.7	3.4	2.1
45-49	4.2	5.4	3.1	4.1	5.2	3.0	6.1	8.4	4.2
50-54	8.5	10.8	6.4	8.2	10.3	6.1	13.1	17.5	9.6
55-59	15.3	18.8	12.1	14.6	17.9	11.6	23.4	30.2	18.0
60-64	25.1	30.1	20.6	24.2	29.2	19.7	36.3	43.3	31.0
65-69	36.8	44.0	30.8	35.9	43.1	29.8	49.4	57.8	43.2
70-74	52.6	60.8	46.2	51.4	59.9	44.8	70.8	79.6	64.7
75-79	67.2	75.1	61.6	65.9	74.0	60.1	88.3	96.8	82.9
80-84	84.2	93.4	78.8	82.4	92.5	76.4	112.5	114.1	111.6
85+	100.1	106.8	97.3	98.7	107.0	95.3	125.3	114.5	129.8

ä NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups, unless noted.

ö NCHS public use data file. Rates are per 100,000 and are age-adjusted to the world standard population.

- Statistic not shown. Rate based on less than 25 cases for the time interval.

Table XXI-4  
PANCREAS CANCER (Invasive)

SURVIVAL RATES, BY RACE, SEX, DIAGNOSIS YEAR, STAGE AND AGE

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>5-YR RELATIVE SURVIVAL RATES</u>									
YEAR OF DIAGNOSIS:									
1960-63 <sup>a</sup>	-	-	-	1	1	2	1	0	3
1970-73 <sup>a</sup>	-	-	-	2	2	2	2	0	3
1974-76 <sup>b</sup>	2.6	3.0	2.2	2.6	3.1	2.1	2.5	1.9	3.1
1977-79 <sup>b</sup>	2.4	2.2	2.6	2.3	2.1	2.4	3.8	2.8	4.8
1980-82 <sup>b</sup>	3.0	2.5	3.4	2.8	2.5	3.0	4.5	3.2	5.8
1983-85 <sup>b</sup>	3.2	2.8	3.6	2.9	2.7	3.2	5.0	4.4	5.5
1986-88 <sup>b</sup>	3.6	3.3	3.9	3.1	2.9	3.4	6.2	6.4	6.0
1989-91 <sup>b</sup>	4.0	3.6	4.5	4.1	3.8	4.4	3.8	3.3	4.3
1992-98 <sup>b</sup>	4.3 $\bar{U}$	4.2 $\bar{U}$	4.4 $\bar{U}$	4.3 $\bar{U}$	4.3 $\bar{U}$	4.4 $\bar{U}$	3.9	4.2	3.7
1992-98 <sup>b</sup>									
ALL STAGES	4.3	4.2	4.4	4.3	4.3	4.4	3.9	4.2	3.7
LOCALIZED	17.0	16.3	17.4	16.6	15.8	17.0	14.9	9.6 $\uparrow$	17.0 $\uparrow$
REGIONAL	6.9	7.0	6.8	7.1	7.2	7.0	5.8	7.2	3.8
DISTANT	1.5	1.3	1.7	1.6	1.5	1.8	1.1	0.0	1.3
UNSTAGED	3.7	5.5	2.5	3.4	5.0	2.3	5.5	9.1	2.4
<u>STAGE DISTRIBUTION (%) 1992-98<sup>b</sup></u>									
ALL STAGES									
Number of cases	14,827	7,158	7,669	12,027	5,779	6,248	1,739	802	937
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
LOCALIZED	8	7	8	8	7	8	8	6	9
REGIONAL	23	23	23	23	23	23	22	25	21
DISTANT	51	55	48	51	55	47	54	57	51
UNSTAGED	18	15	21	19	15	22	16	13	19
<u>5-YR RELATIVE SURVIVAL RATES, 1992-98<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	16.5	9.0	25.7	16.5	8.1	27.4	18.7	12.9 $\uparrow$	26.7 $\uparrow$
45-54	6.0	6.6	5.3	7.0	7.9	5.6	2.2	0.0	4.3
55-64	4.9	4.6	5.4	4.9	4.5	5.4	3.6	3.6	3.4
65-74	3.3	3.1	3.5	3.2	2.9	3.5	4.0	4.2	3.1
75+	2.7	3.2	2.4	2.8	3.3	2.6	1.5	3.0	0.0
Under 65	6.6	5.7	7.8	6.8	5.9	7.9	5.2	4.0	6.7
65 and over	3.0	3.1	2.9	3.0	3.0	3.0	2.9	3.8	1.6

<sup>a</sup>

<sup>b</sup>

Rates are based on End Results data from a series of hospital registries and one population-based registry. Rates are from the SEER 9 areas. They are based on data from population-based registries in Connecticut, New Mexico, Utah, Iowa, Hawaii, Atlanta, Detroit, Seattle-Puget Sound and San Francisco-Oakland. Rates are based on follow-up of patients into 1999.

The difference in rates between 1974-76 and 1992-98 is statistically significant ( $p < .05$ ).

The standard error of the survival rate is between 5 and 10 percentage points.

The standard error of the survival rate is greater than 10 percentage points.

Statistic could not be calculated.

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Table XXI-5  
PANCREAS CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES\*

By Year of Diagnosis/Death

All Races, Males and Females

Year of Diagnosis/Death

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Incidence																					
SEER <sup>a</sup>	11.8	11.5	11.7	11.7	12.2	12.2	12.1	11.7	11.6	11.7	11.3	11.3	11.4	11.6	10.9	11.3	11.1	11.3	11.4	11.3	10.7
Mortality																					
U.S. <sup>b</sup>	10.7	10.6	10.7	10.6	10.7	10.8	10.6	10.6	10.6	10.5	10.6	10.7	10.7	10.7	10.7	10.7	10.5	10.5	10.5	10.6	10.7
SEER <sup>a</sup>	11.6	10.5	10.7	10.9	11.0	11.1	11.0	10.7	10.5	10.5	10.7	10.1	10.6	10.5	10.6	10.4	10.3	10.3	10.4	10.8	10.5
Relative Survival Rates (SEER <sup>a</sup> )																					
1-year	14.4	16.9	16.8	17.0	18.7	16.8	16.2	18.3	18.8	18.4	19.9	19.5	20.3	20.2	18.4	19.9	18.6	20.0	21.4	20.5	
2-year	6.7	6.6	6.5	6.7	7.1	6.5	6.4	6.5	8.0	7.0	7.7	8.4	9.3	9.0	8.5	9.4	8.3	10.0	9.9		
3-year	4.5	4.3	4.5	3.9	4.8	4.0	5.1	4.5	5.7	4.8	4.7	5.5	6.5	5.8	5.2	6.8	5.2	6.7			
4-year	3.5	3.6	3.6	2.9	4.2	3.3	3.9	3.5	4.7	3.8	3.8	4.3	5.4	5.1	4.3	5.5	3.8				
5-year	2.9	3.5	2.8	2.6	3.7	2.8	3.2	2.9	4.1	3.7	3.3	3.9	4.8	4.6	3.5	5.2					
6-year	2.7	3.3	2.7	2.5	3.1	2.4	2.7	2.7	3.6	3.6	2.9	3.9	4.4	4.6	3.3						
7-year	2.4	3.3	2.6	2.2	2.7	2.2	2.6	2.6	3.3	3.4	2.7	3.5	4.2	3.9							
8-year	2.2	3.2	2.2	2.1	2.7	1.8	2.5	2.4	3.2	3.1	2.2	3.5	4.0								
9-year	2.2	3.0	1.9	2.1	2.7	1.8	2.1	2.4	3.1	2.8	2.1	3.2									
10-year	2.2	2.9	1.6	2.0	2.6	1.7	2.1	2.4	3.1	2.6	2.1										
11-year	2.2	2.6	1.6	1.9	2.6	1.5	2.0	2.4	3.1	2.6											
12-year	2.2	2.6	1.6	1.9	2.6	1.4	1.9	2.4	3.1												
13-year	2.2	2.5	1.5	1.9	2.6	1.1	1.9	2.4													
14-year	2.2	2.5	1.5	1.9	2.6	1.1	1.9														
15-year	2.2	2.4	1.4	1.9	2.5	1.1															
16-year	2.2	2.4	1.1	1.9	2.5																
17-year	2.2	2.4	1.1	1.8																	
18-year	2.2	2.4	1.1																		
19-year	2.2	2.4																			
20-year	2.1																				
21-year	1.8																				
22-year	1.7																				
23-year	1.7																				
24-year	1.7																				

<sup>a</sup> Rates are from the SEER 9 areas.

<sup>b</sup> Rates are from the NCHS public use data file.

\* Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

Survival rates are relative rates expressed as percents.

Table XXI-6  
PANCREAS CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES\*

By Year of Diagnosis/Death

All Races, Males

Year of Diagnosis/Death

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Incidence																					
SEER <sup>a</sup>	15.6	14.2	13.5	13.8	14.7	13.9	14.3	13.8	13.8	13.7	12.9	12.8	12.9	13.1	12.5	13.2	12.7	12.8	12.9	12.8	12.1
Mortality																					
U.S. <sup>b</sup>	13.8	13.1	13.2	13.1	12.8	13.0	12.9	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.4	12.4	12.1	12.1	12.2	12.3	12.3
SEER <sup>a</sup>	15.0	13.1	12.3	13.3	13.2	12.9	12.6	12.4	12.5	12.6	12.2	11.6	12.2	11.6	12.4	12.0	12.1	11.4	11.6	12.2	12.0
Relative Survival Rates (SEER <sup>a</sup> )																					
1-year	15.7	15.7	17.0	16.8	17.4	14.0	15.8	18.3	18.1	18.9	18.6	19.3	20.0	17.7	17.3	20.3	17.8	21.5	23.3	19.7	
2-year	7.2	6.1	6.2	6.6	6.9	5.3	6.2	5.9	7.4	7.3	5.8	8.6	9.1	8.7	7.8	9.8	7.3	11.5	10.2		
3-year	5.4	3.9	4.2	3.7	4.8	3.1	4.8	3.8	5.2	4.9	3.5	5.3	6.8	5.4	4.8	7.7	4.0	7.6			
4-year	4.0	3.3	3.3	2.3	4.2	2.7	3.6	2.9	3.9	3.8	2.5	3.8	5.6	4.8	3.7	6.0	3.3				
5-year	3.5	3.2	2.3	2.0	3.5	2.3	2.6	2.2	3.9	3.6	2.3	3.4	5.1	4.1	3.0	5.6					
6-year	3.1	3.0	2.3	1.7	3.2	2.0	2.1	1.9	3.4	3.3	1.7	3.4	4.6	4.1	2.5						
7-year	2.8	2.8	2.3	1.4	2.2	1.8	2.1	1.8	2.8	3.2	1.7	3.2	4.1	3.4							
8-year	2.7	2.7	1.6	1.4	2.2	1.6	1.9	1.6	2.8	2.7	1.6	3.2	4.1								
9-year	2.7	2.3	1.2	1.4	2.2	1.6	1.5	1.5	2.8	2.4	1.4	2.9									
10-year	2.7	1.9	1.1	1.4	2.2	1.6	1.4	1.4	2.8	2.0	1.4										
11-year	2.7	1.9	1.1	1.3	2.2	1.5	1.3	1.4	2.8	1.9											
12-year	2.7	1.9	1.0	1.3	2.2	1.5	1.3	1.4	2.8												
13-year	2.7	1.9	0.8	1.3	2.2	1.3	1.3	1.3													
14-year	2.7	1.9	0.8	1.3	2.2	1.3	1.3														
15-year	2.7	1.7	0.6	1.3	2.2	1.3															
16-year	2.7	1.7	0.6	1.3	2.2																
17-year	2.7	1.7	0.6	1.3																	
18-year	2.7	1.7	0.4																		
19-year	2.6	1.7																			
20-year	2.0																				
21-year	1.3																				
22-year	1.3																				
23-year	1.3																				
24-year	1.3																				

<sup>a</sup> Rates are from the SEER 9 areas.

<sup>b</sup> Rates are from the NCHS public use data file.

\* Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

Survival rates are relative rates expressed as percents.

Table XXI-7  
PANCREAS CANCER (Invasive)

INCIDENCE, DEATH, AND SURVIVAL RATES\*

By Year of Diagnosis/Death

All Races, Females

Year of Diagnosis/Death

	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Incidence																					
SEER <sup>a</sup>	9.1	9.6	10.2	10.2	10.5	10.9	10.5	10.2	10.1	10.2	10.1	10.1	10.2	10.4	9.7	9.9	9.9	9.9	10.1	10.1	9.5
Mortality																					
U.S. <sup>b</sup>	8.4	8.8	8.9	8.8	9.1	9.2	9.0	9.2	9.2	9.0	9.2	9.3	9.3	9.3	9.4	9.4	9.3	9.3	9.2	9.3	9.4
SEER <sup>a</sup>	9.2	8.7	9.5	9.1	9.3	9.7	9.9	9.6	9.1	9.0	9.5	8.9	9.4	9.4	9.2	9.1	8.9	9.4	9.4	9.7	9.3
Relative Survival Rates (SEER <sup>a</sup> )																					
1-year	12.7	18.1	16.6	17.1	20.0	19.2	16.6	18.2	19.5	17.9	21.1	19.7	20.5	22.5	19.4	19.4	19.2	18.7	19.6	21.3	
2-year	6.1	7.0	6.8	6.8	7.3	7.6	6.6	7.2	8.6	6.7	9.5	8.2	9.5	9.3	9.1	9.0	9.2	8.6	9.6		
3-year	3.4	4.8	4.8	4.1	4.9	4.8	5.3	5.2	6.2	4.6	5.8	5.7	6.3	6.1	5.5	5.8	6.2	5.9			
4-year	2.7	3.9	4.0	3.4	4.3	3.8	4.2	4.0	5.4	3.9	5.0	4.7	5.2	5.3	5.0	5.0	4.2				
5-year	2.2	3.8	3.3	3.2	4.0	3.2	3.8	3.6	4.2	3.8	4.3	4.5	4.6	5.0	4.1	4.8					
6-year	2.1	3.7	3.1	3.2	3.1	2.9	3.4	3.4	3.9	3.8	4.1	4.2	4.2	5.0	4.0						
7-year	1.8	3.7	2.8	3.1	3.1	2.6	3.1	3.3	3.7	3.7	3.5	3.7	4.2	4.4							
8-year	1.6	3.7	2.7	2.8	3.1	2.1	3.0	3.2	3.6	3.4	2.8	3.7	3.9								
9-year	1.6	3.7	2.5	2.7	2.8	2.0	2.7	3.2	3.5	3.1	2.8	3.5									
10-year	1.6	3.7	2.1	2.5	2.6	1.9	2.7	3.2	3.5	3.1	2.8										
11-year	1.6	3.3	2.1	2.5	2.6	1.5	2.7	3.2	3.2	3.1											
12-year	1.6	3.0	2.1	2.5	2.6	1.2	2.3	3.2	3.2												
13-year	1.6	3.0	2.1	2.5	2.6	0.8	2.2	3.2													
14-year	1.6	3.0	2.1	2.5	2.4	0.8	2.1														
15-year	1.6	3.0	2.1	2.5	2.4	0.8															
16-year	1.6	3.0	1.6	2.4	2.4																
17-year	1.6	3.0	1.6	1.9																	
18-year	1.6	3.0	1.6																		
19-year	1.6	3.0																			
20-year	1.6																				
21-year	1.6																				
22-year	1.6																				
23-year	1.6																				
24-year	1.6																				

<sup>a</sup> Rates are from the SEER 9 areas.

<sup>b</sup> Rates are from the NCHS public use data file.

\* Incidence and death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

Survival rates are relative rates expressed as percents.

Table XXI-8  
PANCREAS CANCER (Invasive)

Percent Diagnosed With Cancer In 10, 20 and 30 Years and In Remaining Lifetime,  
 Given Cancer Free At Current Age By Race and Sex

Lifetime Risk (Percent) of Being Diagnosed (12 SEER Areas) With Cancer and  
 Lifetime Risk (Percent) of Dying (Total U.S.) From Cancer

1997-1999

All Races

Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.00	1.22	0.00	0.00	0.00	1.25	
10	0.00	0.00	0.01	1.24	0.00	0.00	0.01	1.26	
20	0.00	0.01	0.05	1.24	0.00	0.01	0.03	1.26	
30	0.01	0.05	0.20	1.26	0.01	0.03	0.13	1.27	
40	0.04	0.20	0.52	1.27	0.03	0.13	0.38	1.27	
50	0.16	0.50	0.91	1.27	0.10	0.36	0.78	1.27	
60	0.36	0.82	1.14	1.20	0.27	0.71	1.10	1.22	
Lifetime Risk of Being Diagnosed =				1.22%	Lifetime Risk of Being Diagnosed =				1.25%
Lifetime Risk of Dying =				1.15%	Lifetime Risk of Dying =				1.17%

Whites

Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.00	1.22	0.00	0.00	0.00	1.21	
10	0.00	0.00	0.01	1.23	0.00	0.00	0.01	1.22	
20	0.00	0.01	0.05	1.23	0.00	0.01	0.03	1.22	
30	0.01	0.05	0.19	1.24	0.00	0.03	0.12	1.23	
40	0.04	0.19	0.52	1.26	0.03	0.12	0.37	1.23	
50	0.15	0.49	0.90	1.25	0.10	0.35	0.75	1.23	
60	0.36	0.81	1.12	1.18	0.27	0.69	1.07	1.18	
Lifetime Risk of Being Diagnosed =				1.22%	Lifetime Risk of Being Diagnosed =				1.21%
Lifetime Risk of Dying =				1.15%	Lifetime Risk of Dying =				1.16%

Blacks

Current Age	Males				Females				
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually	
0	0.00	0.00	0.00	1.23	0.00	0.00	0.00	1.47	
10	0.00	0.00	0.01	1.26	0.00	0.00	0.01	1.50	
20	0.00	0.01	0.07	1.27	0.00	0.01	0.05	1.51	
30	0.01	0.07	0.30	1.30	0.01	0.05	0.21	1.51	
40	0.07	0.31	0.68	1.34	0.04	0.21	0.53	1.53	
50	0.26	0.66	1.09	1.38	0.17	0.51	1.04	1.55	
60	0.47	0.97	1.24	1.31	0.37	0.95	1.38	1.51	
Lifetime Risk of Being Diagnosed =				1.23%	Lifetime Risk of Being Diagnosed =				1.47%
Lifetime Risk of Dying =				1.16%	Lifetime Risk of Dying =				1.37%



Table XXI-9  
PANCREAS CANCER (Invasive)

AGE-ADJUSTED SEER INCIDENCE AND U.S. DEATH RATES

By Race/Ethnicity and Sex

Incidence<sup>i</sup>

RACE/ETHNICITY	Rate 1992-1999 Rate per 100,000 persons			Trend 1992-1999 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	11.0	12.5	9.8	-0.6	-0.7	-0.7
White	10.7	12.2	9.5	-0.6	-0.5	-0.8
White Hispanic	9.4	10.1	8.8	-2.0*	-3.5	-0.7
White Non-Hispanic	10.7	12.3	9.4	-0.3	0.2	-1.0
Black	16.2	17.6	15.0	-2.3*	-2.1*	-2.5
Asian/Pacific Islander	9.4	11.3	8.0	-0.3	-2.8	2.6*
Amer Ind/Alaska Nat	7.0	8.0	6.3	-	-	-
Hispanic <sup>⊗</sup>	9.0	9.7	8.4	-2.1*	-3.4	-1.1

Mortality<sup>❖</sup>

RACE/ETHNICITY	Rate 1992-1999 Rate per 100,000 persons			Trend 1992-1999 EAPC (%)		
	Total	Males	Females	Total	Males	Females
All Races	10.6	12.3	9.3	-0.1	-0.3	-0.1
White	10.3	12.0	9.0	0.0	-0.1	0.0
White Hispanic	8.1	9.2	7.2	-1.5*	-1.4	-1.6*
White Non-Hispanic	10.3	12.0	9.0	0.1	-0.1	0.2
Black	14.7	16.7	13.2	-0.8	-1.4*	-0.5
Asian/Pacific Islander	7.5	8.8	6.6	0.0	-1.1	1.2
Amer Ind/Alaska Nat	5.8	5.8	5.6	2.2	5.6*	0.3
Hispanic <sup>⊗</sup>	7.7	8.8	6.9	-1.5*	-1.4	-1.7*

- The EAPC is the Estimated Annual Percent Change over the time interval.  
 - Statistic not shown. Rate based on less than 25 cases for the time interval. Trend based on less than 10 cases for at least one year within the time interval.  
 i Incidence data are from the 12 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, and Alaska Native Registry).  
 ⊗ Hispanic is not mutually exclusive from whites, blacks, Asian Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics does not include cases from Detroit, Hawaii and Alaska Native Registry. For mortality, information is included for all states except Connecticut, Oklahoma, New York, and New Hampshire.  
 ❖ Mortality data are analyzed from a public use file provided by the National Center for Health Statistics (NCHS).  
 \* The EAPC is significantly different from zero (p<.05).

Table XXI-10  
PANCREAS CANCER (Invasive)AGE-ADJUSTED SEER INCIDENCE RATES§ AND SEER DEATH RATESä  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER INCIDENCE RATES§, 1995-99</u>									
REGISTRY									
11 registries	10.9	12.4	9.7	10.6	12.1	9.4	15.9	17.2	14.7
9 registries	11.1	12.6	9.9	10.7	12.3	9.5	16.6	18.2	15.2
San Francisco-Oakland	10.9	11.7	10.0	10.8	11.8	9.8	15.0	14.7	14.8
Connecticut	12.0	13.7	10.6	11.7	13.4	10.4	16.0	18.4	13.9
Metropolitan Detroit	12.7	14.3	11.4	11.5	12.9	10.4	17.8	20.3	15.8
Hawaii	11.7	13.1	10.5	11.6	14.2	9.5	-	-	-
Iowa	10.5	12.2	9.0	10.4	12.1	8.9	17.1	-	-
New Mexico	10.4	11.7	9.2	10.4	11.8	9.2	-	-	-
Seattle-Puget Sound	11.3	12.9	10.1	11.4	12.9	10.1	16.2	17.4	14.9
Utah	7.8	9.9	6.1	7.8	9.9	6.1	-	-	-
Metropolitan Atlanta	10.7	12.4	9.4	9.0	10.9	7.6	17.4	18.7	16.2
San Jose-Monterey	10.8	12.2	9.7	10.8	12.1	9.7	15.4	-	-
Los Angeles	10.3	11.6	9.2	10.2	11.6	9.0	14.1	14.4	13.6
<u>SEER DEATH RATESä, 1995-99</u>									
REGISTRY									
11 registries	10.3	11.6	9.2	10.1	11.5	9.0	14.5	15.3	13.7
9 registries	10.5	11.8	9.3	10.2	11.6	9.1	15.1	16.4	14.0
San Francisco-Oakland	10.3	11.5	9.3	10.4	11.9	9.2	15.5	14.8	15.7
Connecticut	11.3	12.8	10.2	11.1	12.5	10.0	15.5	17.5	13.7
Metropolitan Detroit	11.4	12.7	10.3	10.6	12.0	9.6	15.0	16.5	13.7
Hawaii	10.2	11.4	9.1	9.9	10.7	9.3	-	-	-
Iowa	9.8	11.4	8.6	9.8	11.3	8.5	19.1	-	-
New Mexico	9.9	10.8	9.1	9.9	10.9	9.1	-	-	-
Seattle-Puget Sound	10.7	12.2	9.5	10.8	12.2	9.5	16.0	14.2	16.9
Utah	7.8	9.4	6.5	7.8	9.3	6.5	-	-	-
Metropolitan Atlanta	10.5	12.8	8.9	9.3	11.6	7.8	15.8	18.9	13.5
San Jose-Monterey	9.5	10.6	8.6	9.8	10.9	9.0	-	-	-
Los Angeles	9.8	11.1	8.8	9.8	11.3	8.7	13.2	13.0	13.1

Note: San Jose-Monterey and Los Angeles are new SEER areas as of 1992 and their data are only used in tables where indicated.  
 § SEER 9 areas. Incidence rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.  
 ä NCHS public use data file. Death rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.  
 - Statistic could not be calculated or populations are inadequate.

Table XXI-11  
PANCREAS CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>ä</sup> RATES BY STATE, 1995-99

All Races, Males and Females

State	Rate	SE	Rank	PD
TOTAL U.S.	10.6	0.03		
High Five States				
District of Columbia	12.8*	0.67	(01)	20.8
Louisiana	12.6⊕*	0.25	(02)	18.9
South Carolina	11.8⊕	0.26	(03)	11.3
Alaska	11.7	0.98	(04)	10.4
Mississippi	11.6	0.30	(05)	9.4
Low Five States				
Arizona	9.7⊕	0.21	(47)	-8.5
Nebraska	9.4	0.33	(48)	-11.3
West Virginia	9.2⊕	0.30	(49)	-13.2
Idaho	9.1⊕	0.41	(50)	-14.2
Utah	7.8⊕*	0.33	(51)	-26.4

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	10.9	0.22	(18)	2.8	Montana	9.8	0.46	(45)	-7.5
Alaska	11.7	0.98	(04)	10.4	Nebraska	9.4	0.33	(48)	-11.3
Arizona	9.7⊕	0.21	(47)	-8.5	Nevada	10.7	0.39	(21)	0.9
Arkansas	11.0	0.28	(16)	3.8	New Hampshire	11.4	0.46	(07)	7.5
California	10.0⊕	0.09	(41)	-5.7	New Jersey	11.3⊕	0.16	(11)	6.6
Colorado	10.1	0.25	(40)	-4.7	New Mexico	9.9	0.36	(42)	-6.6
Connecticut	11.3	0.25	(10)	6.6	New York	11.3⊕	0.11	(12)	6.6
Delaware	10.9	0.56	(17)	2.8	North Carolina	10.8	0.17	(20)	1.9
District of Columbia	12.8*	0.67	(01)	20.8	North Dakota	9.8	0.52	(46)	-7.5
Florida	10.2⊕	0.10	(35)	-3.8	Ohio	10.4	0.14	(31)	-1.9
Georgia	10.6	0.19	(25)	0.0	Oklahoma	9.9	0.24	(43)	-6.6
Hawaii	10.2	0.42	(37)	-3.8	Oregon	10.5	0.25	(29)	-0.9
Idaho	9.1⊕	0.41	(50)	-14.2	Pennsylvania	10.7	0.12	(23)	0.9
Illinois	10.9	0.14	(19)	2.8	Rhode Island	11.5	0.46	(06)	8.5
Indiana	10.5	0.19	(28)	-0.9	South Carolina	11.8⊕	0.26	(03)	11.3
Iowa	9.8	0.25	(44)	-7.5	South Dakota	10.2	0.51	(36)	-3.8
Kansas	10.4	0.28	(32)	-1.9	Tennessee	11.2	0.21	(13)	5.7
Kentucky	10.4	0.23	(33)	-1.9	Texas	10.3	0.12	(34)	-2.8
Louisiana	12.6⊕*	0.25	(02)	18.9	Utah	7.8⊕*	0.33	(51)	-26.4
Maine	11.4	0.41	(09)	7.5	Vermont	11.2	0.63	(14)	5.7
Maryland	11.4	0.22	(08)	7.5	Virginia	10.5	0.19	(30)	-0.9
Massachusetts	11.1	0.18	(15)	4.7	Washington	10.7	0.20	(22)	0.9
Michigan	10.6	0.15	(24)	0.0	West Virginia	9.2⊕	0.30	(49)	-13.2
Minnesota	10.5	0.21	(27)	-0.9	Wisconsin	10.6	0.20	(26)	0.0
Mississippi	11.6	0.30	(05)	9.4	Wyoming	10.2	0.69	(38)	-3.8
Missouri	10.2	0.19	(39)	-3.8					

ä NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

\* Absolute percent difference between state rate and total U.S. rate is 15% or more.

⊕ Difference between state rate and total U.S. rate is statistically significant ( $p \leq .0002$ ).

Table XXI-12  
PANCREAS CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>ä</sup> RATES BY STATE, 1995-99

All Races, Males

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
TOTAL U.S.	12.2	0.05							
High Five States									
District of Columbia	15.7*	1.21	(01)	28.7					
Louisiana	15.1⊕*	0.44	(02)	23.8					
Mississippi	14.4⊕*	0.53	(03)	18.0					
Vermont	14.3*	1.11	(04)	17.2					
Rhode Island	13.8*	0.79	(05)	13.1					
Low Five States									
Oregon	10.9*	0.39	(47)	-10.7					
Idaho	10.9*	0.67	(48)	-10.7					
New Mexico	10.8*	0.57	(49)	-11.5					
North Dakota	10.8*	0.84	(50)	-11.5					
Utah	9.4⊕*	0.55	(51)	-23.0					
Alabama	13.0	0.39	(14)	6.6	Montana	12.0	0.78	(32)	-1.6
Alaska	13.6*	1.61	(06)	11.5	Nebraska	11.5	0.56	(40)	-5.7
Arizona	11.1	0.34	(46)	-9.0	Nevada	11.9	0.63	(33)	-2.5
Arkansas	13.1	0.48	(12)	7.4	New Hampshire	13.4	0.77	(08)	9.8
California	11.3⊕	0.14	(44)	-7.4	New Jersey	12.7	0.28	(18)	4.1
Colorado	11.7	0.43	(37)	-4.1	New Mexico	10.8*	0.57	(49)	-11.5
Connecticut	12.8	0.42	(17)	4.9	New York	13.1⊕	0.19	(13)	7.4
Delaware	12.8	0.95	(16)	4.9	North Carolina	12.9	0.31	(15)	5.7
District of Columbia	15.7*	1.21	(01)	28.7	North Dakota	10.8*	0.84	(50)	-11.5
Florida	11.8	0.17	(36)	-3.3	Ohio	11.8	0.23	(35)	-3.3
Georgia	12.4	0.34	(25)	1.6	Oklahoma	11.5	0.41	(39)	-5.7
Hawaii	11.4	0.65	(43)	-6.6	Oregon	10.9*	0.39	(47)	-10.7
Idaho	10.9*	0.67	(48)	-10.7	Pennsylvania	12.5	0.21	(23)	2.5
Illinois	12.5	0.23	(21)	2.5	Rhode Island	13.8*	0.79	(05)	13.1
Indiana	12.5	0.33	(22)	2.5	South Carolina	13.2	0.44	(10)	8.2
Iowa	11.4	0.41	(41)	-6.6	South Dakota	11.9	0.84	(34)	-2.5
Kansas	12.1	0.47	(28)	-0.8	Tennessee	13.6⊕*	0.36	(07)	11.5
Kentucky	12.6	0.41	(19)	3.3	Texas	12.1	0.20	(29)	-0.8
Louisiana	15.1⊕*	0.44	(02)	23.8	Utah	9.4⊕*	0.55	(51)	-23.0
Maine	13.2	0.70	(11)	8.2	Vermont	14.3*	1.11	(04)	17.2
Maryland	13.2	0.38	(09)	8.2	Virginia	12.4	0.33	(24)	1.6
Massachusetts	12.6	0.31	(20)	3.3	Washington	12.0	0.33	(31)	-1.6
Michigan	12.0	0.25	(30)	-1.6	West Virginia	11.6	0.54	(38)	-4.9
Minnesota	12.1	0.36	(27)	-0.8	Wisconsin	12.2	0.33	(26)	0.0
Mississippi	14.4⊕*	0.53	(03)	18.0	Wyoming	11.3	1.10	(45)	-7.4
Missouri	11.4	0.31	(42)	-6.6					

ä NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

\* Absolute percent difference between state rate and total U.S. rate is 10% or more.

⊕ Difference between state rate and total U.S. rate is statistically significant ( $p \leq .0002$ ).

Table XXI-13  
PANCREAS CANCER (Invasive)AVERAGE ANNUAL AGE-ADJUSTED CANCER DEATH<sup>ä</sup> RATES BY STATE, 1995-99

All Races, Females

State	Rate	SE	Rank	PD
TOTAL U.S.	9.3	0.03		
High Five States				
District of Columbia	10.7*	0.78	(01)	15.1
South Carolina	10.6⊕	0.32	(02)	14.0
Louisiana	10.5⊕	0.30	(03)	12.9
New Jersey	10.2⊕	0.20	(04)	9.7
Connecticut	10.2	0.31	(05)	9.7
Low Five States				
Montana	8.1	0.56	(47)	-12.9
Nebraska	7.9*	0.40	(48)	-15.1
Idaho	7.5*	0.50	(49)	-19.4
West Virginia	7.5⊕*	0.35	(50)	-19.4
Utah	6.5⊕*	0.40	(51)	-30.1

State	Rate	SE	Rank	PD	State	Rate	SE	Rank	PD
Alabama	9.4	0.27	(21)	1.1	Montana	8.1	0.56	(47)	-12.9
Alaska	10.2	1.22	(06)	9.7	Nebraska	7.9*	0.40	(48)	-15.1
Arizona	8.4	0.26	(46)	-9.7	Nevada	9.7	0.50	(13)	4.3
Arkansas	9.5	0.35	(19)	2.2	New Hampshire	9.6	0.56	(15)	3.2
California	8.9	0.11	(36)	-4.3	New Jersey	10.2⊕	0.20	(04)	9.7
Colorado	8.8	0.31	(40)	-5.4	New Mexico	9.1	0.46	(33)	-2.2
Connecticut	10.2	0.31	(05)	9.7	New York	10.0⊕	0.13	(10)	7.5
Delaware	9.5	0.68	(18)	2.2	North Carolina	9.3	0.21	(24)	0.0
District of Columbia	10.7*	0.78	(01)	15.1	North Dakota	8.8	0.65	(42)	-5.4
Florida	8.9	0.13	(39)	-4.3	Ohio	9.3	0.17	(25)	0.0
Georgia	9.3	0.23	(26)	0.0	Oklahoma	8.6	0.29	(43)	-7.5
Hawaii	9.1	0.54	(30)	-2.2	Oregon	10.1	0.33	(07)	8.6
Idaho	7.5*	0.50	(49)	-19.4	Pennsylvania	9.3	0.15	(23)	0.0
Illinois	9.6	0.17	(16)	3.2	Rhode Island	9.7	0.55	(12)	4.3
Indiana	9.0	0.23	(35)	-3.2	South Carolina	10.6⊕	0.32	(02)	14.0
Iowa	8.6	0.30	(45)	-7.5	South Dakota	8.9	0.63	(37)	-4.3
Kansas	9.1	0.34	(31)	-2.2	Tennessee	9.4	0.24	(22)	1.1
Kentucky	8.8	0.28	(41)	-5.4	Texas	8.9	0.14	(38)	-4.3
Louisiana	10.5⊕	0.30	(03)	12.9	Utah	6.5⊕*	0.40	(51)	-30.1
Maine	10.0	0.51	(08)	7.5	Vermont	8.6	0.73	(44)	-7.5
Maryland	10.0	0.27	(09)	7.5	Virginia	9.0	0.23	(34)	-3.2
Massachusetts	9.9	0.23	(11)	6.5	Washington	9.6	0.26	(17)	3.2
Michigan	9.5	0.19	(20)	2.2	West Virginia	7.5⊕*	0.35	(50)	-19.4
Minnesota	9.2	0.26	(29)	-1.1	Wisconsin	9.3	0.25	(27)	0.0
Mississippi	9.7	0.35	(14)	4.3	Wyoming	9.1	0.87	(32)	-2.2
Missouri	9.2	0.24	(28)	-1.1					

ä NCHS public use data file. Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population by 5-year age groups.

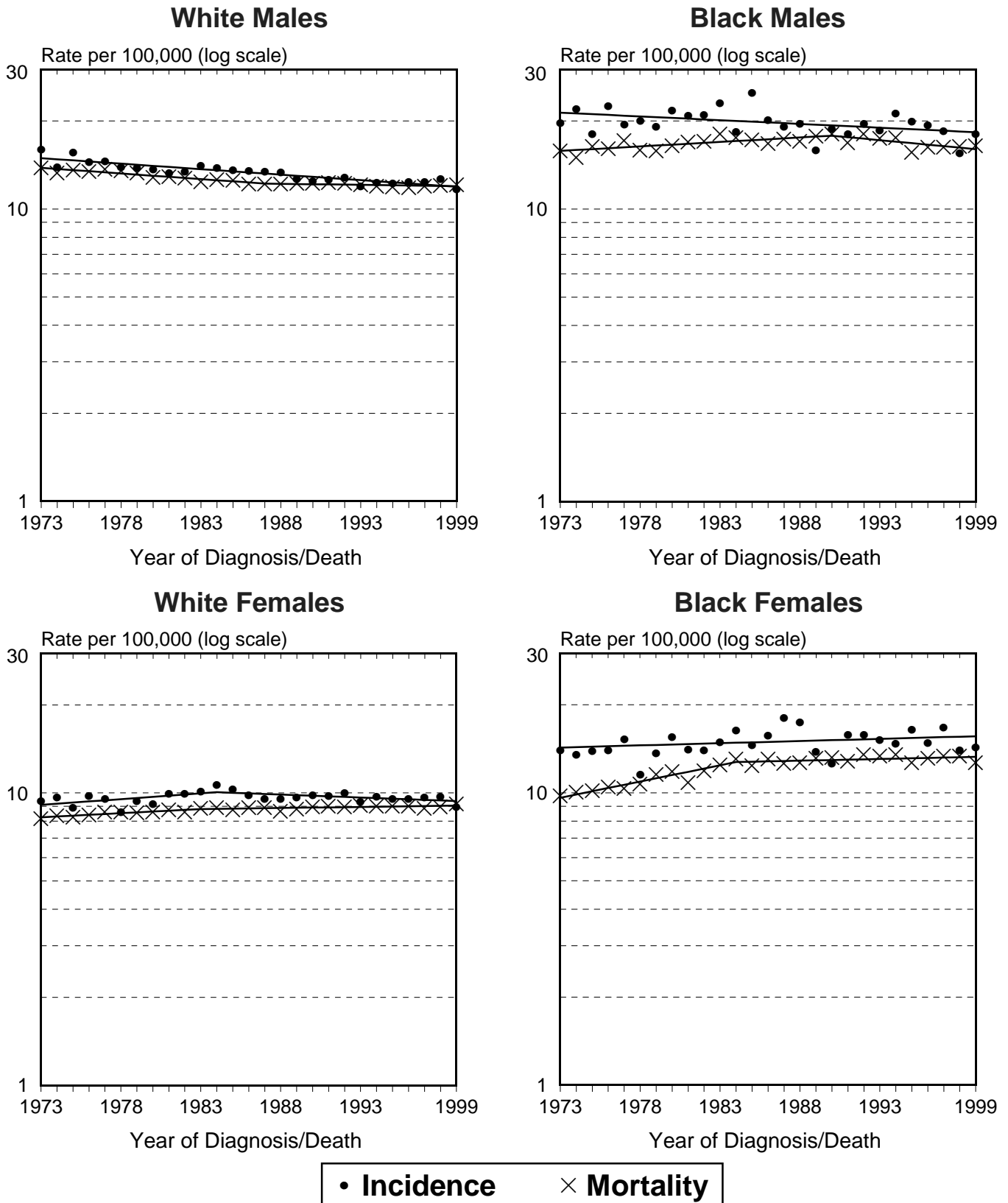
SE Standard error of the rate.

PD Percent difference between state rate and total U.S. rate.

\* Absolute percent difference between state rate and total U.S. rate is 15% or more.

⊕ Difference between state rate and total U.S. rate is statistically significant ( $p < .0002$ ).

# SEER Incidence and U.S. Death Rates<sup>+</sup> Pancreas



<sup>+</sup> Source: SEER 9 areas and NCHS public use data file. Rates are age-adjusted to the 2000 U.S. standard million population by 5-year age groups. Regression lines are calculated using the Joinpoint Regression Program.