Table 14.1 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints,

Both Sexes by Race/Ethnicity

	Joinpoint Trend 1 Joinpoint Trend 2			Joinpoint 1	<u>Irend 3</u>	Joinpoint 1	<u>Frend 4</u>	Joinpoint	<u>Trend 5</u>	AAI	PC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
<u>SEER 9 Delay-A</u> All Races White Black	<u>djusted Incid</u> 1975-1984 1975-1987 1975-2006	<u>lence^a, 1</u> 1.4* 1.6* 3.2*	<u>975-2006</u> 1984-1999 1987-1998	4.6* 5.4*	1999-2002 1998-2001	-0.4 -1.1	2002-2006 2001-2006	5.4* 4.7*			3.3* 2.8 3.2*	5.4* 4.7* 3.2*
<u>SEER 13 Delay-</u> All Races White Black	<u>Adjusted Inci</u> 1992-1996 1992-1999 1992-2006	<u>dence^b,</u> 6.3* 5.7* 4.0*	<u>1992-2006</u> 1996-2006 1999-2002	2.9* -0.9	2002-2006	5.1*					2.9* 3.2* 4.0*	2.9* 5.1* 4.0*
<u>SEER 9 Observe</u> All Races White Black	d Incidence ^a , 1975-1984 1975-1986 1975-2006	1975-20 1.3 1.4* 3.1*	<u>06</u> 1984-1997 1986-1997	4.7* 5.0*	1997-2006 1997-2006	2.5* 2.3*					2.5* 2.3* 3.1*	2.5* 2.3* 3.1*
SEER 13 Observ All Races White White NH ^{ef} Black Black NH ^{ef} API ^e AI/AN ^{eg} Hispanic ^e	red Incidence ^b 1992-1997 1992-1999 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006 1992-2006	, 1992-2 5.7* 5.6* 5.4* 3.7* 3.8* 0.6 1.7 2.7*	006 1997-2006 1999-2002 1999-2002	2.3* -0.8 -1.9	2002-2006 2002-2006	4.0* 4.0*					2.3* 2.7 2.3 3.7* 3.8* 0.6 1.7 2.7*	2.3* 4.0* 3.7* 3.8* 0.6 1.7 2.7*
<u>U.S. Cancer Mo</u> All Races White Black	ortality ^c , 197	5-2006										
<u>U.S. Cancer Mo</u> All Races White White NH ^{ef} Black Black NH ^{ef} API ^e AI/AN ^{eg} Hispanic ^e	ortality ^c , 199	2-2006										
							Institute. (<u>h</u> 2000 US Std P).

- Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). b
 - Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
 - Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
 - The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.

 - API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.
 - Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
 - The APC/AAPC is significantly different from zero (p<.05).
 - Joinpoint regression line analysis could not be performed on data series.

а

С

d

f

g

*

Table 14.2 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints, Males by Race/Ethnicity

	Joinpoint 1	<u>Frend 1</u>	Joinpoint I	<u>rend 2</u>	Joinpoint 1	<u>'rend 3</u>	<u>Joinpoint</u>	Trend 4	<u>Joinpoint</u>	<u>Trend 5</u>		PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay	-Adjusted Incid	lence ^a , 1	975-2006									
All Races	1975-2006	3.6*									3.6*	3.6*
White	1975-1987	1.5	1987-1991	7.9	1991-2006	3.3*					3.3*	3.3*
Black	1975-2006	3.3*									3.3*	3.3*
<u>SEER 13 Dela</u>	y-Adjusted Inci	dence ^b ,	1992-2006									
All Races	1992-2006	3.3*									3.3*	3.3*
White	1992-2006	3.4*									3.4*	3.4*
Black	1992-2006	4.3*									4.3*	4.3*
<u>SEER 9 Obser</u>	ved Incidence ^a ,	1975-20	006									
All Races	1975-1986	2.1*	1986-1996	4.9*	1996-2006	2.6*					2.6*	2.6*
White	1975-1987	1.8*	1987-1996	5.4*	1996-2006	2.6*					2.6*	2.6*
Black	1975-2006	3.3*									3.3*	3.3*
<u>SEER 13 Obse</u>	rved Incidence ^b	, 1992-2	2006									
All Races	1992-1998	4.7*	1998-2006	2.2*							2.4*	2.2*
White	1992-2006	3.2*									3.2*	3.2*
White NH ^{ef}	1992-2006	2.8*									2.8*	2.8*
Black	1992-2006	4.0*									4.0*	4.0*
Black NH ^{ef}	1992-2006	4.1*									4.1*	4.1*
API ^e	1992-2006	0.6									0.6	0.6
AI/AN ^{eg}	1992-2006	1.7									1.7	1.7
Hispanic ^e	1992-2006	2.4*									2.4*	2.4*
U.S. Cancer	Mortality ^c , 197	5-2006										
All Races												
White												
Black												
U.S. Cancer	Mortality ^c , 199	2-2006										
All Races												
White												
White NH ^{ef}												
Black												
Black NH ^{ef}												
API ^e												
AI/AN ^{eg}												
Hispanic ^e												
The A	oint Regression PC is the Annua s are from the	l Percen SEER 9 a	it Change based ireas (San Fran	d on rate ncisco, C	s age-adjuste	d to the etroit, H	2000 US Std awaii, Iowa,	Population New Mexic	n (19 age gro co, Seattle,	ups - Cen Utah, and	sus P25-1130 Atlanta).	

Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry). Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

- The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
- API Asian/Pacific Islander, AI/AN American Indian/Alaska Native, NH Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.
- Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.

С

d

e

f

g

*

Table 14.3 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program, 1975-2006 With up to Four Joinpoints, 1992-2006 With up to Two Joinpoints, Females by Race/Ethnicity

	Joinpoint 1	<u>Frend 1</u>	Joinpoint 7	<u>Frend 2</u>	Joinpoint 7	<u> rend 3</u>	<u>Joinpoint</u>	Trend 4	Joinpoint	<u>Trend 5</u>	AA	PC ^d
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	1997-2006	2002-2006
SEER 9 Delay-	Adjusted Incid	dence ^a , 1	975-2006									
All Races	1975-1983	0.5	1983-1997	4.3*	1997-2006	2.0*					2.0*	2.0*
White	1975-1985	0.8	1985-1998	4.1*	1998-2006	0.9					1.2	0.9
Black	1975-2006	2.7*									2.7*	2.7*
SEER 13 Delay	-Adjusted Inc:	idence ^b ,	1992-2006									
All Races	1992-2006	3.1*									3.1*	3.1*
White	1992-1997	7.4*	1997-2006	1.2*							1.2*	1.2*
Black	1992-2006	3.2*									3.2*	3.2*
SEER 9 Observe	ed Incidence ^a ,	1975-20	06									
All Races	1975-1983	0.4	1983-1997	4.4*	1997-2006	1.6*					1.6*	1.6*
White	1975-1985	0.8	1985-1998	4.1*	1998-2006	0.5					0.9	0.5
Black	1975-2006	2.6*									2.6*	2.6*
SEER 13 Observ	ved Incidence ^k	, 1992-2	006									
All Races	1992-1997	6.4*	1997-2006	1.4*							1.4*	1.4*
White	1992-1998	6.5*	1998-2006	0.2							0.9	0.2
White NH ^{ef}	1992-1998	6.0*	1998-2006	-0.4							0.3	-0.4
Black	1992-2006	2.8*									2.8*	2.8*
Black NH ^{ef}	1992-2006	2.8*									2.8*	2.8*
API ^e	1992-2006	0.7									0.7	0.7
AI/AN ^{eg}	1992-2006	1.0									1.0	1.0
Hispanic ^e	1992-2006	2.6*									2.6*	2.6*
<u>U.S. Cancer M</u>	ortality ^c , 197	5-2006										
All Races												
White												
Black												
<u>U.S. Cancer M</u>	ortality ^c , 199	2-2006										
All Races												
White												
White NH ^{ef}												
Black												
Black NH ^{ef}												
API ^e												
AI/AN ^{eg}												
Hispanic ^e												
Toime	int Dogradia	Dreamer	Version 3.3.	1 Anni 1	2009 Matiana	1 Conger	Tratituta (http://	b concor are	. (dod procin	+ /)	
			t Change based).
^a Trends	are from the	SEER 9 a	reas (San Fran	ncisco, C	Connecticut, D	etroit, H	Hawaii, Iowa,	New Mexio	co, Seattle,	Utah, and	Atlanta).	
			areas (SEER 9									
			Files, Nation							l Preventi	on.	
THE AA			al Percent Cha									

API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. The Hispanic and Non-Hispanic mortality trends exclude deaths from CT, ME, MD, MN, NH, NY, ND, OK and VT.

Data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.

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

Joinpoint regression line analysis could not be performed on data series.

f

g

*

Table 14.4 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Age-adjusted SEER Incidence^a Rates by Year, Race and Sex

		All Races			Whites			Blacks	
	Total	Males	Females	Total	Males	Females	Total	Males	Females
Year of Diagnosis:									
1975	2.64	3.93	1.64	2.19	3.23	1.43	4.74	6.46	3.19
1976	2.66	3.83	1.76	2.29	3.16	1.62	4.03	6.23	_
1977	2.68	4.25	1.56	2.29	3.57	1.33	3.47	5.02	_
1978	2.00	4.15	1.56	2.17	3.27	1.39	4.23	6.82	2.13
1979	2.68	4.06	1.67	2.23	3.30	1.50	4.07	7.10	-
1980	2.68	3.94	1.66	2.25	3.29	1.50	3.62	5.01	2.47
1981	2.02	4.65	1.66	2.25	3.88	1.54	4.59	7.09	2.47
1982	2.93	4.37	1.88	2.49	3.48	1.64	3.85	5.40	2.53
1983	2.94	4.57	1.58	2.41	3.40	1.84		6.30	2.03
1983	2.91	4.68		2.38			4.11 3.34	5.26	2.33
			1.87		3.41	1.60			-
1985	3.16	5.10	1.73	2.61	4.15	1.51	3.96	7.64	
1986	3.19	4.78	2.01	2.60	3.89	1.68	5.03	7.56	3.20
1987	3.39	4.84	2.21	2.66	3.64	1.88	5.35	7.69	3.57
1988	3.38	5.44	1.81	2.70	4.24	1.59	4.84	8.86	-
1989	3.60	5.58	2.17	2.86	4.28	1.89	5.28	9.07	2.60
1990	3.93	6.03	2.30	3.05	4.65	1.86	6.50	10.61	3.47
1991	4.32	6.68	2.57	3.53	5.55	2.12	5.95	9.24	3.48
1992	3.99	6.06	2.39	3.18	4.81	1.94	5.63	8.42	3.43
1993	4.50	7.13	2.48	3.68	5.87	2.07	6.19	10.12	3.09
1994	4.45	6.98	2.48	3.59	5.59	2.08	5.05	9.52	1.86
1995	4.55	6.81	2.80	3.58	5.37	2.25	6.05	8.58	3.94
1996	5.41	8.27	3.14	4.41	6.75	2.63	6.66	10.82	3.55
1997	5.37	8.05	3.17	4.38	6.54	2.60	7.48	11.51	4.43
1998	5.47	8.31	3.15	4.55	6.95	2.58	6.51	9.64	4.06
1999	5.82	8.86	3.33	4.74	7.21	2.74	7.73	12.21	4.39
2000	5.61	8.50	3.22	4.68	7.02	2.74	6.92	11.63	3.44
2001	5.59	8.59	3.16	4.32	6.51	2.56	7.92	13.72	3.48
2002	5.72	8.69	3.24	4.59	6.94	2.57	7.31	11.97	3.75
2003	6.10	9.38	3.29	4.95	7.66	2.64	7.60	12.38	3.84
2004	6.30	9.82	3.29	5.03	7.79	2.65	9.26	15.50	4.47
2005	6.61	10.03	3.65	5.29	8.25	2.76	9.19	14.34	4.98
2006	6.69	10.19	3.62	5.42	8.40	2.80	8.96	14.15	4.80
1975-2006	4.44	6.84	2.53	3.57	5.48	2.09	6.27	10.05	3.34

SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta). Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Statistic not shown. Rate based on less than 16 cases for the time interval. а

Table 14.6 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence^a and U.S. Death^b Rates, Age-Adjusted and Age-Specific Rates, by Race and Sex

		All Races			Whites			Blacks	
	Total	Males	Females	Total	Males	Females	Total	Males	Females
SEER Incidence									
Age at Diagnosis									
Age-Adjusted Rates, 2002-2006 All ages	6.6	10.2	3.6	5.6	8.6	3.0	8.2	13.4	4.2
Under 65	3.6	5.8	1.4	2.9	4.7	1.2	5.3	9.1	2.1
65 and over	28.0	40.6	18.7	24.0	35.2	15.7	28.1	42.9	18.3
All ages (IARC world std) $^{\circ}$	4.6	7.1	2.4	3.9	6.0	2.0	6.0	9.9	2.8
Age-Specific Rates, 2002-2006									
<1 1-4	1.4 0.5	1.7 0.7	1.0 0.3	1.5 0.5	1.8 0.7	1.2 0.3	-	-	-
5-9	0.1	0.1	-	0.5		-	_	_	_
10-14	0.1	0.1	-	0.1	-	-	-	-	-
15-19	0.1	0.2	-	0.1	0.2	-	-	-	-
20-24 25-29	0.2 0.3	0.2 0.4	0.2 0.2	0.2 0.2	0.2 0.2	0.2	_	_	-
30-34	0.5	0.7	0.2	0.2	0.2	0.2	0.8	1.2	_
35-39	0.9	1.2	0.6	0.6	0.7	0.4	1.3	1.7	1.0
40-44	2.1	3.4	0.9	1.7	2.6	0.8	2.4	3.8	1.1
45-49 50-54	6.3 12.7	10.6 21.6	2.2 4.2	5.2 10.9	8.7 18.3	1.8 3.6	8.4 20.1	14.0 36.3	3.6
55-59	15.8	26.0	6.1	13.2	21.6	5.1	27.3	47.5	10.4
60-64	18.1	28.6	8.4	14.7	23.2	6.7	26.0	44.1	11.6
65-69	23.4	34.3	14.0	19.2	28.0	11.4	25.2	42.1	12.4
70-74 75-79	29.4 32.2	$42.2 \\ 47.2$	19.0 21.6	24.3 28.5	35.9 42.1	14.8 18.7	31.2 26.6	45.0 42.9	21.0 16.5
80-84	30.4	44.8	21.3	27.1	39.8	19.1	33.0	54.2	21.3
85+	25.1	34.8	20.5	22.5	32.4	18.0	24.9	27.1	23.9
<u>U.S. Mortality</u> <u>Age at Death</u> Age-Adjusted Rates, 2002-2006 All ages Under 65 65 and over All ages (IARC world std) [°] Age-Specific Rates, 2002-2006 <1 1-4									
$ \begin{array}{r} 5-9\\ 10-14\\ 15-19\\ 20-24\\ 25-29\\ 30-34\\ 35-39\\ 40-44\\ 45-49\\ 50-54\\ 55-59\\ 60-64\\ \end{array} $									
65-69 70-74 75-79 80-84 85+									

SEER 17 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

b

US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted. Rates are per 100,000 and are age-adjusted to the IARC world standard population.

С

Statistic not shown. Rate based on less than 16 cases for the time interval. _

Table 14.7 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Survival Rates, by Race, Sex, Diagnosis Year, Stage and Age

		All Races			Whites			Blacks	
	Total	Males	Females	Total	Males	Females	Total	Males	Females
5-Year Relative Survival	Pater								
Year of Diagnosis:	Rates								
1960–1963 ^a	-	_	_	_	_	_	_	_	_
1970-1973 ^a	_	-	-	_	-	-	_	-	_
1975–1977 ^b	3.7	2.0	6.7	3.7	2.1	6.1	1.9	0.0	5.9
1978-1980 ^b	3.5	2.3	5.5	3.4	2.3	4.8	3.8	3.2	5.1
1981-1983 ^b	4.1	3.5	5.3	4.4	3.8	5.6	3.0	2.1	4.9
1984-1986 ^b	6.0	3.7	10.2	6.0	3.7	10.0	4.5	2.2	9.5
1987-1989 ^b	5.2	3.3	8.7	6.1	3.6	10.0	2.9	1.6	5.1
1990–1992 ^b	5.9	5.2	7.5	6.8	5.6	8.9	2.7	2.0	3.7
1993–1995 ^b	5.9	5.5	6.7	5.6	5.0	6.3	4.2	2.0	7.8
1996–1998 ^b	8.8	8.3	9.8	8.8	7.6	11.1	4.6	5.8	2.2
1999-2005 ^b	13.7 ^e	13.2 ^e	14.7 ^e	13.0 ^e	12.5 ^e	14.1 ^e	4.0 9.7 ^e	8.7	12.7 ^e
1999-2005	13.7	13.2	14.7	13.0	12.5	14.1	9.1	0.7	12./
5-Year Period Survival Ra	ates ^{cd}								
Year of Diagnosis:									
1999-2005	14.7	14.6	15.0	14.5	14.3	14.8	10.9	10.2	12.2
Stage Distribution (%) 19	999-2005°								
All Stages									
Number of cases	25,053	17,561	7,492	16,909	11,808	5,101	2,762	1,995	767
Percent	100%	100%	100%	100%	100%	100%	100%	100%	100%
Localized	37	37	37	36	37	36	34	34	37
Regional	26	27	24	25	25	23	28	28	26
Distant	19	19	19	19	19	19	22	23	20
Unstaged	18	17	21	20	19	23	16	16	17
5-Year Relative Survival	Rates, 1999-	2005°							
Age at Diagnosis:									
Ages <45	26.7	23.1	35.5	30.0	25.2	39.9	16.2	15.7	17.6 ^f
Ages 45-54	17.1	16.2	21.5	18.3	17.4	22.5	9.9	8.7	15.6 ^f
Ages 55-64	14.2	13.1	17.8	14.1	12.6	18.9	7.4	6.6	10.0
Ages 65-74	9.8	9.4	10.6	8.1	7.8	8.5	8.5	7.3	8.5
Ages 75+	5.2	4.9	5.4	4.6	4.2	4.8	2.4	2.5	2.8
Ages <65	17.2	15.8	22.4	18.0	16.2	24.4	9.6	8.7	13.0
Ages 65+	7.8	7.7	8.0	6.6	6.5	6.7	6.7	6.7	6.1
Stage:	10 1	10 5	12.0	10.0	10 4	12 6	0.0	0.0	10.0
All Stages	13.1	12.7	13.9	12.8	12.4	13.6	8.8	8.3	10.0
Localized	25.7	25.3	26.5	25.6	25.2	26.5	18.6	18.7	17.6
Regional	8.5	8.3	9.2	8.4	8.1	9.2	4.4	4.1	5.3
Distant Unstaged	2.4 5.8	2.0 5.5	3.4 6.3	2.3	1.7	3.9 5.6	2.2 4.9	2.3	3.4 8.7
				5.1	4.7			3.4	

b

С

d

f

g

_

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 (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Rates are based on follow-up of patients into 2006.

Rates are from the SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey contribute cases for diagnosis years 2000-2005. The remaining 13 SEER Areas contribute cases for the entire period 1999-2005. Rates are based on follow-up of patients into 2006. Period survival provides a more up-to-date estimate of survival by piecing together the most recent conditional survival estimates from several cohorts. It is computed here using three year calendar blocks (2003-2005: 0-1 year survival),

(2002-2004: 1-2 year survival), (2001-2003: 2-3 year survival), (2000-2002: 3-4 year survival), (1999-2001: 4-5 years survival). The difference in rates between 1975-1977 and 1999-2005 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 due to fewer than 25 cases during the time period.

Table 14.8 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Survival Rates^a By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985- 1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Relative Survi	val Rates	(SEER ^b)																	
1-year	14.4	15.6	18.6	20.7	22.8	20.6	21.1	25.5	24.3	25.4	28.5	27.7	28.7	29.4	31.7	33.6	36.8	38.6	39.3
2-year	7.1	8.6	9.9	11.4	13.3	12.8	11.3	14.9	14.2	15.1	17.7	17.4	18.2	20.2	21.8	22.5	24.8	26.3	
3-year	5.0	6.2	7.6	9.2	9.8	8.7	8.2	9.4	9.6	10.9	12.7	13.3	14.6	15.5	16.1	17.8	20.4		
4-year	4.3	4.8	6.6	6.6	7.8	7.2	6.5	8.0	7.1	9.3	10.3	11.1	12.6	12.6	13.8	15.9			
5-year	3.7	4.1	5.6	5.4	6.3	6.0	4.8	6.8	5.9	8.3	8.2	9.7	10.7	11.9	12.0				
6-year	3.3	3.8	5.4	4.8	6.0	5.6	4.1	6.2	5.2	7.3	7.7	9.0	9.7	11.3					
7-year	3.2	3.4	5.2	4.5	5.3	5.2	3.7	5.7	4.7	6.9	7.2	7.7	9.1						
8-year	3.2	3.3	4.9	4.5	5.0	5.1	3.7	5.5	4.6	6.9	6.3	7.2							
9-year	3.1	3.3	4.8	4.5	5.0	5.1	3.6	5.3	4.6	6.4	6.0								
10-year	3.1	3.3	4.8	4.1	5.0	5.1	3.6	5.3	4.2	6.2									
11-year	3.1	3.3	4.8	3.8	4.8	5.1	3.6	5.3	3.8										
12-year	3.1	3.3	4.7	3.7	4.8	5.1	3.6	5.3											
13-year	3.0	3.2	4.7	3.7	4.8	5.1	3.6												
14-year	3.0	3.2	4.7	3.7	4.8	5.0													
15-year	3.0	3.2	4.7	3.7	4.8														
16-year	3.0	3.2	4.7	3.5															
17-year	3.0	3.2	4.7																
18-year	3.0	3.2																	
19-year	3.0	3.2																	
20-year	3.0	3.2																	

Survival rates are relative rates expressed as percents. Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

National Cancer Institute

Table 14.9 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Survival Rates^a By Year of Diagnosis

All Races, Males

Year of Diagnosis

	1975- 1979	1980- 1984	1985- 1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Relative Surv	ival Rates	(SEER ^b)																	
1-year	11.9	13.6	15.6	18.1	21.5	20.4	19.0	24.7	22.6	25.3	27.4	26.6	30.0	28.8	31.0	32.8	36.1	37.8	39.8
2-year	5.2	6.7	7.4	9.0	13.2	12.8	9.9	13.7	12.9	15.9	16.6	16.4	18.3	19.2	20.4	21.3	25.2	25.6	
3-year	3.3	5.1	5.5	7.6	9.9	8.2	7.0	8.6	9.0	11.2	12.0	12.2	14.1	15.3	15.2	17.9	20.4		
4-year	2.9	3.7	4.5	5.3	7.6	б.4	5.6	7.9	6.3	9.2	9.7	10.8	11.9	12.2	12.5	15.8			
5-year	2.2	3.1	3.6	4.1	5.6	5.6	4.5	6.9	5.1	7.9	7.8	9.1	10.5	11.2	10.8				
6-year	1.9	2.9	3.3	3.5	5.2	5.2	4.2	6.4	4.4	6.9	7.6	8.1	9.5	10.6					
7-year	1.6	2.5	3.3	3.5	4.5	4.7	3.9	5.9	3.9	6.6	7.1	6.8	9.1						
8-year	1.6	2.3	3.2	3.5	4.2	4.7	3.7	5.6	3.8	6.6	5.8	6.5							
9-year	1.6	2.3	3.2	3.5	4.0	4.7	3.6	5.1	3.7	6.2	5.8								
10-year	1.6	2.3	3.2	3.4	3.9	4.7	3.4	5.0	3.0	5.7									
11-year	1.6	2.3	3.2	3.1	3.9	4.7	3.4	4.9	2.5										
12-year	1.6	2.3	3.1	2.9	3.9	4.7	3.4	4.9											
13-year	1.6	2.1	3.1	2.9	3.9	4.7	3.4												
14-year	1.6	2.1	3.1	2.9	3.9	4.7													
15-year	1.6	2.1	3.1	2.9	3.9														
16-year	1.6	2.1	3.1	2.5															
17-year	1.6	2.1	3.1																
18-year	1.6	2.1																	
19-year	1.6	2.1																	
20-year	1.6	2.1																	
20-year	1.6	2.1																	

а b

Survival rates are relative rates expressed as percents. Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 14.10 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Survival Rates^a By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985- 1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Relative Survi	ival Rates	(SEER ^b)																	
1-year	19.2	19.6	24.5	26.0	25.5	21.0	25.5	27.3	27.7	25.7	30.7	30.2	25.9	30.9	33.4	35.4	38.6	40.8	38.0
2-year	10.6	12.3	14.9	16.1	13.4	13.0	14.2	17.5	16.7	13.5	20.1	19.4	18.1	22.4	24.9	25.2	23.8	28.3	
3-year	8.1	8.4	11.8	12.3	9.6	9.6	10.8	11.0	10.7	10.2	14.1	15.7	15.6	15.8	18.3	17.6	20.4		
4-year	6.9	6.8	10.5	9.1	8.3	8.7	8.2	8.3	8.6	9.4	11.6	11.8	13.9	13.1	16.7	16.1			
5-year	6.6	5.8	9.5	7.8	7.6	6.8	5.4	6.9	7.5	9.2	9.0	10.9	10.9	13.1	14.9				
6-year	5.9	5.4	9.3	7.6	7.4	6.1	3.8	5.6	6.6	8.0	7.8	10.9	9.9	12.8					
7-year	5.9	5.0	8.7	6.6	6.8	6.0	3.4	5.4	6.3	7.5	7.5	9.8	8.8						
8-year	5.9	5.0	8.1	6.6	6.4	5.8	3.4	5.4	6.2	7.4	6.8	8.5							
9-year	5.7	5.0	8.0	6.5	6.4	5.8	3.4	5.4	6.2	6.9	б.4								
10-year	5.7	4.9	7.7	5.5	6.4	5.8	3.4	5.4	6.2	6.9									
11-year	5.7	4.9	7.7	5.1	6.4	5.4	3.4	5.4	6.1										
12-year	5.7	4.9	7.7	5.1	6.4	4.8	3.4	5.4											
13-year	5.4	4.9	7.7	5.1	6.4	4.8	3.4												
14-year	5.4	4.9	7.7	4.9	6.4	4.6													
15-year	5.4	4.9	7.7	4.9	6.4														
16-year	5.4	4.9	7.7	4.9															
17-year	5.4	4.9	7.7																
18-year	4.9	4.9																	
19-year	4.9	4.9																	
20-year	4.9	4.9																	

а b

Survival rates are relative rates expressed as percents. Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 14.12 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

SEER Incidence and U.S. Mortality Age-Adjusted Rates and Trends^a By Race/Ethnicity and Sex

SEER Incidence	Rate	R 17 Are e 2002-2 100,00			ER 13 Ar 1d 1997-2 AAPC (%	2006°		CR 9 Are d 1997-2 AAPC (%	2006 ^d
RACE/ETHNICITY	Total	Males	Females		Males	Females	Total	Males	Females
RACE/EIHNICIII									
All Races	6.6	10.2	3.6	2.3*	2.4*	1.4*	2.5*	2.6*	1.6*
White	5.6	8.6	3.0	2.7	3.2*	0.9	2.3*	2.6*	0.9
White Hispanic ^e	10.5	15.7	6.0	2.5*	2.2*	2.4*	-	-	-
White Non-Hispanic ^e	4.9	7.5	2.6	2.3	2.8*	0.3	-	-	-
Black	8.2	13.4	4.2	3.7*	4.0*	2.8*	3.1*	3.3*	2.6*
Asian/Pacific Islander	14.2	21.4	8.3	0.6	0.6	0.7	-	-	-
Amer Ind/Alaska Nat ^f	9.9	13.6	6.6	1.7	-	-	-	-	_
Hispanic ^e	10.2	15.2	5.9	2.7*	2.4*	2.6*	-	-	-
U.S. Mortality ^g			0.0.5	_	1 4 4 4 5 5	a a ch			

Rate	2002-20	006		Trer	nd 1997-	2006 ^h
Rate per	100,000	persons			AAPC (%)
Total	Males	Females	_	Total	Males	Females

RACE/ETHNICITY

All Races

White White Hispanic^e White Non-Hispanic^e

Black

Asian/Pacific Islander

Amer Ind/Alaska Nat Total U.S. CHSDA Counties Non-CHSDA Counties

Hispanic^e

	The AAPC is the Average Annual Percent Change over the time interval. The AAPCs are calculated by the Joinpoint Regression Program Version 3.3, April 2008, National Cancer Institute.
_	Statistic not shown. Rate based on less than 16 cases for the time interval.
	Trend based on less than 10 cases for at least one year within the time interval.
a	Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130). Trends
	are based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
b	The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah
	and Atlanta.
	The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, the Alaska
	Native Registry and Rural Georgia.
	The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky,
с	Louisiana and New Jersey.
	The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 2 Joinpoints over diagnosis years 1992-2006.
d	The 1997-2006 AAPC estimates are based on a Joinpoint analysis with up to 4 Joinpoints over
	diagnosis years 1975-2006.
e	Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific
	Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics
	are based on NHIA and exclude cases from the Alaska Native Registry. The 2002-2006 Hispanic and
	Non-Hispanic death rates exclude deaths from Minnesota, New Hampshire and North Dakota. The
	1997-2006 Hispanic and Non-Hispanic mortality trends exclude deaths from Connecticut, Maine,
-	Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma and Vermont.
f	Incidence data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service
	Delivery Area) counties.
g h	US Mortality Files, National Center for Health Statistics, CDC.
*	The 1997-2006 mortality AAPCs are based on a Joinpoint analysis using years of death 1992-2006.
	The APC is significantly different from zero (p<.05).

Table 14.13 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Age-Adjusted SEER Incidence Rates^a By Registry, Race and Sex

		ll Races			Whites				
	Total	Males	Females	Total	Males	Females	Total	Males	Females
SEER Incidence Rates ^a , 2002-2006									
Atlanta & Rural Georgia	5.07	8.27	2.54	4.01	6.47	2.06	6.36	10.83	3.12
Atlanta	5.15	8.36	2.62	4.02	6.43	2.13	6.57	11.23	3.21
Rural Georgia	3.55	6.41	-	3.51	-	-	-	-	-
California	7.70	11.57	4.31	6.35	9.53	3.52	9.29	14.43	5.13
Greater Bay Area	8.62	13.13	4.61	6.16	9.38	3.21	11.40	17.01	6.61
San Francisco-Oakland	8.85	13.38	4.84	6.24	9.35	3.36	11.54	17.43	6.62
San Jose-Monterey	8.16	12.64	4.15	6.01	9.44	2.93	10.66	15.71	-
Los Angeles	8.40	12.38	5.04	6.92	10.03	4.19	8.59	13.96	4.61
Greater California	7.02	10.62	3.84	6.18	9.38	3.33	8.78	13.33	4.86
Connecticut	5.56	9.24	2.62	5.20	8.77	2.36	7.61	11.54	4.44
Detroit	6.23	9.64	3.43	5.33	8.26	2.94	8.93	14.61	4.61
Hawaii	9.61	13.94	5.66	6.63	10.24	3.03	-	-	-
Iowa	4.01	6.07	2.27	3.78	5.65	2.21	8.54	14.35	-
Kentucky	4.66	7.02	2.71	4.49	6.74	2.64	6.47	9.67	3.66
Louisiana	6.37	10.48	3.04	5.42	8.74	2.72	8.42	14.88	3.65
New Jersey	6.02	9.59	3.09	5.52	8.72	2.89	6.95	11.48	3.52
New Mexico	7.33	11.06	4.02	7.00	10.83	3.60	-	-	-
Seattle-Puget Sound	6.72	9.95	3.81	5.38	8.07	2.92	11.64	19.16	4.63
Utah	3.06	4.51	1.76	2.77	4.04	1.61	-	-	-
9 SEER Areas ^b	6.30	9.65	3.42	5.07	7.83	2.68	8.52	13.77	4.39
11 SEER Areas ^b	6.87	10.43	3.83	5.50	8.37	3.01	8.61	13.94	4.47
13 SEER Areas ^b	6.87	10.42	3.82	5.50	8.37	3.01	8.54	13.83	4.44
17 SEER Areas ^b	6.64	10.17	3.62	5.61	8.58	3.04	8.20	13.38	4.17

Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta. The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles. The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia. b

The SEER 17 areas comprise the SEER 13 areas plus California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey. Statistic not shown. Rate based on less than 16 cases for the time interval.

а

Table 14.18 Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

<u>Years Since</u>	Diagnosis	0 to <5	5 to <10	10 to <15	15 to <20	20 to <25	25 to <30	0 to <16 ^e	0 to <31 ^e	>=31 ^g	$Complete^h$
<u>Race</u> All Races ^b	<u>Sex</u> Both Sexes	18,570	3,431	1,169	708	477	181	23,311	24,536	393	24,929
AII NACES	Males Females	13,017 5,553	2,146	674 495	252 456	240 237	71 110	15,903 7,408	16,411 8,125	73 320	16,484 8,445
White ^b	Both Sexes	13,534	2,580	884	562	373	119	17,088	18,053	374	18,427
	Males	9,546	1,546	516	171	174	46	11,640	12,010	139 ⁱ	12,149
	Females	3,988	1,034	368	391	199	73	5,448	6,043	235 ⁱ	6,278
Black ^b	Both Sexes	2,552	244	83	95	48	45	2,915	3,068	+	+
	Males	1,707	162	26	47	26	22	1,918	1,990	+	+
	Females	845	82	57	48	22	23	997	1,078	+	+
Asian/	Both Sexes	2,247	536	143	+	+	+	2,938	+	+	+
Pacific	Males	1,590	382	100	+	+	+	2,078	+	+	+
Islander ^c	Females	657	154	43	+	+	+	860	+	+	+
Hispanic ^d	Both Sexes	2,501	403	199	+	+	+	3,124	+	+	+
	Males	1,742	236	136	+	+	+	2,130	+	+	+
	Females	759	167	63	+	+	+	994	+	+	+

Estimated United States Cancer Prevalence Counts^a on January 1, 2006 By Race/Ethnicity, Sex and Years Since Diagnosis

Estimated prevalence percent^a on January 1, 2006, of the SEER 11 population diagnosed in the previous 16 years By Age at Prevalence, Race/Ethnicity and Sex

		Age Specific (Crude)											
<u>Age at Prev</u>	alence	All Ages	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages	
<u>Race</u> All Races ^c	<u>Sex</u> Both Sexes Males Females	0.0093% 0.0129% 0.0058%	0.0022% 0.0023% 0.0020%	0.0013% 0.0013% 0.0012%	0.0007% 0.0007% 0.0006%	0.0014% 0.0019% 0.0010%	0.0054% 0.0079% 0.0030%	0.0218% 0.0349% 0.0093%	0.0306% 0.0451% 0.0176%	0.0401% 0.0574% 0.0267%	0.0243% 0.0367% 0.0174%	0.0094% 0.0138% 0.0056%	
White c	Both Sexes Males Females	0.0073% 0.0100% 0.0046%	0.0023% 0.0023% 0.0022%	0.0014% 0.0016% 0.0013%	0.0006% 0.0006% 0.0005%	0.0011% 0.0013% 0.0010%	0.0038% 0.0051% 0.0025%	0.0179% 0.0281% 0.0078%	0.0217% 0.0324% 0.0118%	0.0272% 0.0392% 0.0176%	0.0176% 0.0254% 0.0133%	0.0071% 0.0102% 0.0043%	
Black ^c	Both Sexes Males Females	0.0072% 0.0101% 0.0046%	- - -	- -	0.0012% - 0.0017%	0.0015% 0.0023% -	0.0049% 0.0071% 0.0030%	0.0251% 0.0432% 0.0101%	0.0321% 0.0467% 0.0208%	0.0296% 0.0397% 0.0228%	0.0190% 0.0275% 0.0149%	0.0087% 0.0131% 0.0054%	
Asian/ Pacific Islander ^c	Both Sexes Males Females	0.0236% 0.0342% 0.0137%	0.0030% 0.0032% 0.0027%	0.0010% - -	- -	0.0030% 0.0050% -	0.0158% 0.0264% 0.0061%	0.0427% 0.0726% 0.0165%	0.0865% 0.1295% 0.0501%	0.1279% 0.1899% 0.0825%	0.0800% 0.1236% 0.0512%	0.0248% 0.0383% 0.0138%	
Hispanic ^d	Both Sexes Males Females	0.0071% 0.0094% 0.0047%	0.0021% 0.0025% 0.0018%	0.0013% 0.0014% 0.0013%	0.0006% 0.0006% -	0.0008% 0.0011% -	0.0052% 0.0083% 0.0020%	0.0279% 0.0442% 0.0124%	0.0436% 0.0660% 0.0247%	0.0512% 0.0706% 0.0371%	0.0337% 0.0372% 0.0317%	0.0120% 0.0173% 0.0074%	

US 2006 cancer prevalence counts are based on 2006 cancer prevalence proportions from the SEER registries and 1/1/2006 US population estimates based on the average of 2005 and 2006 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person. Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and а

bcd Rural Georgia. e

f

Maximum limited-duration prevalence: 31 years for 1975-2006 SEER 9 data; 16 years for 1990-2006 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders). Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups. (g) Cases diagnosed more than 31 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <31 and >=31. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry. ghi

Statistic not shown. Statistic based on fewer than 5 cases estimated alive in SEER for the time interval.

+ Not available.

Cancer of the Liver and Intrahepatic Bile Duct (Invasive)

Percent Distribution and Counts by Histology among Histologically Confirmed Cases, 2002-2006 Both Sexes by Race

			D	oth sexes i	ју касе								
								Pacific	American Indian/				
		Races		ite	-	ack		ander		Native ^b		panic ^c	
Histology ^a	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	
Carcinoma (8010-8576)	16,497	97.1%	11,415	96.9%	1,926	98.0%	2,936	97.7%	113	93.4%	2,668	96.5%	
Epidermoid carcinoma ^d (8170-8175)	12,961	76.3%	8,669	73.6%	1,615	82.2%	2,497	83.1%	95	78.5%	2,167	78.4%	
Cholangiocarcinoma (8050,8140-8141, 8160-8161,8260,8440, 8480-8500,8570-8572)	2,510	14.8%	1,991	16.9%	199	10.1%	293	9.8%	-	-	353	12.8%	
Intrahepatic cholangio- carcinoma (8160)	1,713	10.1%	1,350	11.5%	121	6.2%	219	7.3%	-	-	243	8.8%	
Other (8050,8140-8141,8161, 8260,8440,8480-8500, 8570-8572)	797	4.7%	641	5.4%	78	4.0%	74	2.5%	-	-	110	4.0%	
Other specific carcinomas ^e	370	2.2%	291	2.5%	40	2.0%	31	1.0%	-	-	37	1.3%	
Unspecified, Carcinoma, NOS (8010-8011,8020-8022)	322	1.9%	238	2.0%	38	1.9%	44	1.5%	-	-	46	1.7%	
Hepatoblastoma (8970)	167	1.0%	134	1.1%	-	-	-	-	-	-	56	2.0%	
Sarcoma ^f	153	0.9%	120	1.0%	_	_	21	0.7%	-	_	_	_	
Haemangiosarcoma (9120-9133,9161)	95	0.6%	77	0.7%	-	-	-	-	-	-	-	-	
Other sarcomas ^g	58	0.3%	43	0.4%	-	-	-	-	-	-	-	-	
Other specific types (8720-8790,8930-8936, 8950-8969,8971-9030, 9060-9110,9260-9365,9380-9539)	46	0.3%	33	0.3%	_	-	-	-	-	-	16	0.6%	
Unspecified (8000-8005)	123	0.7%	84	0.7%	-	-	24	0.8%	-	-	-	-	
Total ^d	16,986	100.0%	11,786	100.0%	1,965	100.0%	3,004	100.0%	121	100.0%	2,765	100.0%	

Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey). Percents may not sum to 100 due to rounding.

а Excludes Kaposi Sarcoma, mesothelioma, lymphomas, leukemias, myelomas, lymphoreticular, and immunoproliferative diseases.

b Estimates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties. С

Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Underlying incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. А

Epidermoid carcinoma includes squamous, basal, and transitional cell carcinomas.

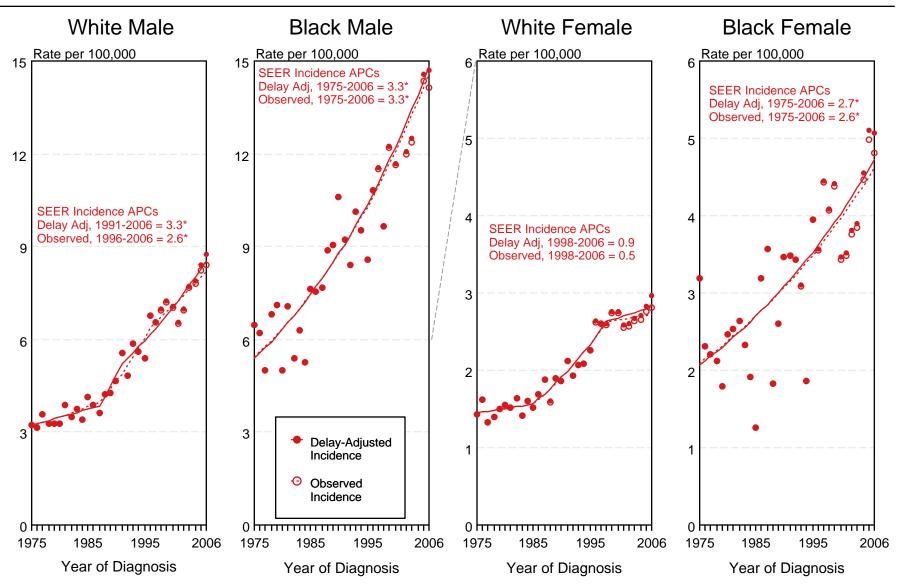
e Other specific carcinomas include histologies 8012-8015, 8030-8046, 8150-8155, 8177-8180, 8230-8249, 8508, 8510-8513, 8561-8562, 8575, 8580-8671. f

Sarcoma includes histologies 8680-8713, 8800-8921, 9040-9044, 9120-9136, 9150-9252, 9370-9373, 9540-9582.

g Other sarcomas include histologies 8680-8713, 8800-8921, 9040-9044, 9135-9136, 9150-9160, 9170-9252, 9370-9373, 9540-9582.

Statistic not shown due to fewer than 16 cases during the time period.

SEER Observed Incidence and Delay Adjusted Incidence Rates ^a Cancer of the Liver and Intrahepatic Bile Duct, by Race and Sex

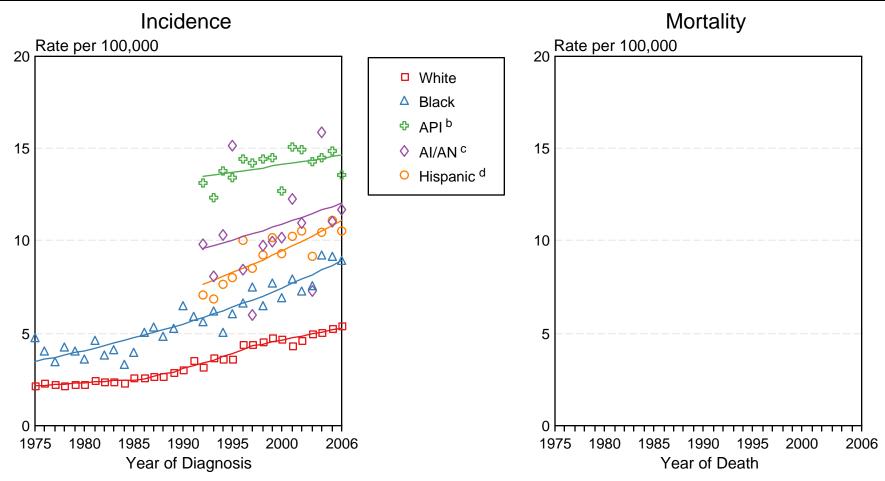


Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).
 Regression lines and APCs are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute.
 The APC is the Annual Percent Change for the regression line segments. The APC shown on the graph is for the most recent trend.

The APC is significantly different from zero (p < 0.05).

SEER Incidence and US Death Rates^a Cancer of the Liver and Intrahepatic Bile Duct, Both Sexes Joinpoint Analyses for Whites and Blacks from 1975-2006

and for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics from 1992-2006



Source: Incidence data for whites and blacks are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta). Incidence data for Asian/Pacific Islanders, American Indians/Alaska Natives and Hispanics are from the SEER 13 Areas (SEER 9 Areas, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia). Mortality data are from US Mortality Files, National Center for Health Statistics, CDC.

- National Cancer Institute

^a Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

Regression lines are calculated using the Joinpoint Regression Program Version 3.3.1, April 2008, National Cancer Institute. Joinpoint analyses for Whites and Blacks during the 1975-2006 period allow a maximum of 4 joinpoints. Analyses for other ethnic groups during the period 1992-2006 allow a maximum of 2 joinpoints.

- ^b API = Asian/Pacific Islander.
- c Al/AN = American Indian/Alaska Native. Rates for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.
- d Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry. Mortality data for Hispanics exclude cases from Connecticut, Maine, Maryland, Minnesota, New Hampshire, New York, North Dakota, Oklahoma, and Vermont.