

Table X-1

KAPOSI'S SARCOMANUMBER OF CASES

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, All Ages

SEER Location	Year of Diagnosis													
	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	59	55	55	153	589	1241	1877	2235	2222	1949	1411	467	391	354
SEER 9 except SF-Oakland	45	41	39	56	159	349	587	848	910	925	743	276	246	242
San Francisco- Oakland SMSA <sup>b</sup>	14	14	16	97	430	892	1290	1387	1312	1024	668	191	145	112
San Francisco City/County	7	7	8	75	366	755	1063	1068	1002	750	486	121	84	70

AGE-ADJUSTED CANCER INCIDENCE RATES<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, All Ages

SEER Location	Year of Diagnosis													
	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	0.5	0.4	0.4	0.9	2.9	5.7	8.3	9.5	9.1	7.6	5.4	1.8	1.5	1.3
SEER 9 except SF-Oakland	0.5	0.4	0.4	0.5	1.0	2.0	3.1	4.3	4.4	4.3	3.4	1.3	1.1	1.1
San Francisco- Oakland SMSA <sup>b</sup>	0.7	0.7	0.8	3.0	12.1	23.7	33.0	34.2	31.8	24.2	15.8	4.6	3.3	2.6
San Francisco City/County	1.3	1.2	1.3	10.0	44.7	89.2	122.8	123.8	114.6	83.9	54.4	13.1	9.1	7.7

<sup>a</sup> Rates are per 100,000 males and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The San Francisco-Oakland SMSA represents 15% of all persons in the SEER areas. For this age group, all SEER areas may not be generalizable to the United States for Kaposi's Sarcoma.

- Statistic not shown. Rate based on less than 4 cases for the time interval.

Table X-2

KAPOSI'S SARCOMANUMBER OF CASES

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, Ages 20-54

SEER Location	Year of Diagnosis													
	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	6	6	7	95	509	1160	1752	2107	2074	1838	1291	396	325	292
SEER 9 except SF-Oakland	6	5	<4	13	106	302	517	774	843	868	670	229	201	204
San Francisco- Oakland SMSA <sup>b</sup>	0	<4	6	82	403	858	1235	1333	1231	970	621	167	124	88
San Francisco City/County	0	<4	5	72	353	729	1026	1035	949	715	455	112	76	59

AGE-ADJUSTED CANCER INCIDENCE RATES<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, Ages 20-54

SEER Location	Year of Diagnosis													
	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	0.1	0.1	0.1	0.9	4.7	10.5	15.1	17.5	16.5	14.1	9.6	2.9	2.4	2.1
SEER 9 except SF-Oakland	0.1	0.1	-	0.1	1.2	3.2	5.2	7.5	7.9	7.8	5.9	2.0	1.7	1.8
San Francisco- Oakland SMSA <sup>b</sup>	0.0	-	0.4	4.8	21.9	45.3	62.6	64.9	58.1	45.0	28.7	7.5	5.4	3.8
San Francisco City/County	0.0	-	1.5	19.3	85.7	171.2	235.6	238.1	213.2	157.8	99.5	23.8	16.1	12.5

<sup>a</sup> Rates are per 100,000 males aged 20-54 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The San Francisco-Oakland SMSA represents 15% of all persons in the SEER areas. For this age group, all SEER areas may not be generalizable to the United States for Kaposi's Sarcoma.

- Statistic not shown. Rate based on less than 4 cases for the time interval.

Table X-3

KAPOSI'S SARCOMANUMBER OF CASES

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, Ages 55+

Year of Diagnosis

SEER Location	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	53	49	48	58	78	80	123	127	147	111	120	71	66	61
SEER 9 except SF-Oakland	39	36	38	43	52	47	70	74	66	57	73	47	45	37
San Francisco- Oakland SMSA <sup>b</sup>	14	13	10	15	26	33	53	53	81	54	47	24	21	24
San Francisco City/County	7	6	<4	<4	13	26	37	32	53	35	31	9	8	11

AGE-ADJUSTED CANCER INCIDENCE RATES<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2002

All Races, Males, Ages 55+

Year of Diagnosis

SEER Location	1975- 1976	1977- 1978	1979- 1980	1981- 1982	1983- 1984	1985- 1986	1987- 1988	1989- 1990	1991- 1992	1993- 1994	1995- 1996	1997- 1998	1999- 2000	2001- 2002
SEER 9	2.2	1.9	1.8	2.0	2.5	2.3	3.3	3.4	3.9	2.7	2.9	1.7	1.5	1.4
SEER 9 except SF-Oakland	2.0	1.6	1.7	1.8	1.9	1.8	2.4	2.5	2.2	1.7	2.2	1.4	1.3	1.0
San Francisco- Oakland SMSA <sup>b</sup>	3.4	3.2	2.6	2.8	5.4	4.9	7.7	8.1	12.8	8.0	6.9	3.7	2.9	3.3
San Francisco City/County	5.9	4.6	-	-	9.1	17.1	23.8	21.9	37.8	24.0	21.7	5.9	5.3	6.8

<sup>a</sup> Rates are per 100,000 males aged 55+ and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> The San Francisco-Oakland SMSA represents 15% of all persons in the SEER areas. For this age group, all SEER areas may not be generalizable to the United States for Kaposi's Sarcoma.

- Statistic not shown. Rate based on less than 4 cases for the time interval.

Table X-4  
KAPOSI SARCOMA

SEER INCIDENCE RATES, AGE-ADJUSTED AND AGE-SPECIFIC RATES<sup>a</sup>, BY RACE AND SEX

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>AGE-ADJUSTED RATES</u>									
YEAR OF DIAGNOSIS:									
1975	0.2	0.6	-	0.2	0.6	-	-	-	-
1976	0.2	0.5	-	0.2	0.5	-	-	-	-
1977	0.3	0.5	-	0.3	0.6	-	-	-	-
1978	0.2	-	-	0.2	-	-	-	-	-
1979	0.2	-	-	0.2	-	-	-	-	-
1980	0.3	0.6	-	0.3	0.6	-	-	-	-
1981	0.3	0.5	-	0.3	0.6	-	-	-	-
1982	0.7	1.2	-	0.7	1.3	-	-	-	-
1983	1.1	2.2	-	1.2	2.4	-	-	-	-
1984	1.8	3.6	-	2.0	3.9	-	1.3	2.9	-
1985	2.5	4.9	-	2.8	5.5	-	1.1	2.2	-
1986	3.3	6.6	-	3.7	7.4	-	1.6	3.6	-
1987	3.8	7.6	-	4.3	8.5	-	2.1	4.4	-
1988	4.4	8.9	-	4.8	9.6	-	3.3	7.2	-
1989	4.8	9.6	-	5.2	10.2	-	4.6	9.7	-
1990	4.7	9.3	-	5.1	10.1	-	3.7	7.6	-
1991	4.7	9.4	-	5.0	10.0	-	4.6	9.5	-
1992	4.4	8.7	-	4.6	9.0	-	4.9	10.4	-
1993	3.9	7.7	-	4.1	8.0	-	4.3	8.5	-
1994	3.8	7.5	-	3.9	7.6	-	4.2	8.5	-
1995	3.3	6.4	0.2	3.3	6.4	-	4.9	10.1	-
1996	2.2	4.4	-	2.0	4.0	-	4.6	9.1	-
1997	1.1	2.1	-	0.9	1.8	-	2.5	4.9	-
1998	0.8	1.6	-	0.7	1.3	-	1.8	3.8	-
1999	0.8	1.5	-	0.6	1.2	-	1.9	3.8	-
2000	0.8	1.5	-	0.6	1.3	-	2.0	4.0	-
2001	0.8	1.5	0.2	0.7	1.2	-	1.9	3.6	-
2002	0.7	1.2	-	0.5	0.9	-	1.5	3.0	-
<u>AGE-ADJUSTED RATES, 1998-2002</u>									
AGE AT DIAGNOSIS:									
All ages	0.8	1.5	0.1	0.6	1.2	0.1	1.8	3.6	-
Under 65	0.7	1.4	0.1	0.6	1.1	-	1.9	3.9	-
65 and over	1.1	2.0	0.6	1.1	2.0	0.6	-	-	-
All ages(IARC world std) <sup>b</sup>	0.6	1.1	0.1	0.5	0.9	0.1	1.5	3.0	-
<u>AGE-SPECIFIC RATES, 1998-2002</u>									
AGE AT DIAGNOSIS:									
<1	-	-	-	-	-	-	-	-	-
1-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	-	-	-	-	-	-	-	-	-
25-29	0.7	1.4	-	0.4	0.7	-	2.8	5.9	-
30-34	1.5	3.0	-	1.0	1.9	-	4.8	10.1	-
35-39	1.9	3.8	-	1.6	3.1	-	4.9	9.9	-
40-44	1.7	3.2	-	1.4	2.7	-	4.4	8.8	-
45-49	1.1	2.0	-	0.9	1.7	-	2.3	-	-
50-54	0.8	1.6	-	0.7	1.5	-	-	-	-
55-59	0.4	-	-	-	-	-	-	-	-
60-64	0.5	-	-	-	-	-	-	-	-
65-69	0.6	-	-	-	-	-	-	-	-
70-74	0.7	-	-	-	-	-	-	-	-
75-79	1.1	1.8	-	1.2	-	-	-	-	-
80-84	1.5	-	-	1.5	-	-	-	-	-
85+	2.7	5.2	-	2.7	5.1	-	-	-	-

<sup>a</sup> SEER 9 areas. Rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130), unless noted.

<sup>b</sup> SEER 9 areas. Rates are per 100,000 and are age-adjusted to the IARC world standard population.

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

Table X-5  
 KAPOSI SARCOMA (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:									
1960-1963 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1970-1973 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1974-1976 <sup>b</sup>	83.3 <sup>e</sup>	83.5 <sup>e</sup>	-	81.5 <sup>e</sup>	81.9 <sup>e</sup>	-	-	-	-
1977-1979 <sup>b</sup>	86.6 <sup>e</sup>	84.9 <sup>e</sup>	84.1 <sup>f</sup>	85.8 <sup>e</sup>	83.4 <sup>e</sup>	85.6 <sup>f</sup>	-	-	-
1980-1982 <sup>b</sup>	49.5	47.4	61.3 <sup>f</sup>	48.9	47.0	59.2 <sup>f</sup>	-	-	-
1983-1985 <sup>b</sup>	16.0	14.3	82.6 <sup>f</sup>	15.6	13.7	80.9 <sup>f</sup>	20.9 <sup>e</sup>	19.5 <sup>e</sup>	-
1986-1988 <sup>b</sup>	10.0	9.2	77.8 <sup>f</sup>	9.7	9.0	76.4 <sup>f</sup>	13.1	12.1	-
1989-1991 <sup>b</sup>	8.9	8.4	50.4 <sup>e</sup>	8.5	8.0	55.4 <sup>f</sup>	13.3	12.4	-
1992-1994 <sup>b</sup>	12.8	12.3	43.1 <sup>e</sup>	13.2	12.7	47.7 <sup>e</sup>	10.9	10.1	-
1995-2001 <sup>b</sup>	45.2 <sup>d</sup>	44.8 <sup>d</sup>	52.7 <sup>e</sup>	49.1 <sup>d</sup>	48.3 <sup>d</sup>	65.2 <sup>f</sup>	34.0	34.1	34.5 <sup>e</sup>
<u>5-YR PERIOD SURVIVAL RATES<sup>bc</sup></u>									
YEAR OF DIAGNOSIS:									
1995-2001	54.3	53.8	58.1	61.3	60.1	69.4	40.4	41.2	-
<u>5-YR RELATIVE SURVIVAL RATES, 1995-2001<sup>b</sup></u>									
AGE AT DIAGNOSIS:									
<45	41.3	41.6	18.0 <sup>f</sup>	45.4	45.4	-	32.3	33.1	-
45-54	45.7	45.9	-	47.1	46.9	-	38.8 <sup>e</sup>	38.9 <sup>e</sup>	-
55-64	60.0 <sup>e</sup>	58.2 <sup>e</sup>	-	57.6 <sup>e</sup>	56.5 <sup>e</sup>	-	-	-	-
65-74	78.8 <sup>e</sup>	78.2 <sup>e</sup>	-	84.3 <sup>e</sup>	82.2 <sup>e</sup>	-	-	-	-
75+	79.8 <sup>e</sup>	85.6 <sup>f</sup>	71.5 <sup>f</sup>	81.1 <sup>e</sup>	87.6 <sup>f</sup>	68.2 <sup>f</sup>	-	-	-
Under 65	43.0	43.1	34.0 <sup>e</sup>	46.4	46.2	-	33.6	34.1	-
65 and over	78.9 <sup>e</sup>	82.5 <sup>e</sup>	70.5 <sup>f</sup>	82.1 <sup>e</sup>	85.4 <sup>e</sup>	70.4 <sup>f</sup>	-	-	-

<sup>a</sup>

Rates are based on End Results data from a series of hospital registries and one population-based registry.

<sup>b</sup>

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 2002.

<sup>c</sup>

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 calendar year blocks (1999-2001: 0-1 year survival), (1998-2000: 1-2 year survival), (1997-1999: 2-3 year survival), (1996-1998: 3-4 year survival), (1995-1997: 4-5 years survival).

<sup>d</sup>

The difference in rates between 1974-1976 and 1995-2001 is statistically significant ( $p < .05$ ).

<sup>e</sup>

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

<sup>f</sup>

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

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Statistic could not be calculated.

Table X-6  
KAPOSI SARCOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Males and Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	94.9	66.8	51.7	55.7	64.2	62.8	62.4	62.0	62.9	62.8	59.2	55.5	62.3	68.8	72.5	73.1	75.0	72.9	79.5
2-year	89.4	44.4	27.2	31.7	38.7	34.0	34.9	33.6	30.5	28.2	30.5	27.4	46.5	59.5	63.0	64.3	63.9	65.3	
3-year	88.6	35.0	21.1	19.2	22.4	18.7	19.5	19.5	15.3	16.0	19.5	20.5	42.2	53.5	59.3	59.9	59.7		
4-year	84.0	30.3	15.8	13.4	15.2	12.4	13.0	14.1	10.7	10.6	15.2	17.9	37.8	50.4	55.1	56.5			
5-year	84.0	26.1	12.7	10.3	11.0	8.9	8.9	9.4	8.2	8.5	13.5	16.8	34.4	47.2	52.8				
6-year	79.4	22.0	11.2	8.7	9.5	7.5	6.7	7.3	7.3	7.8	13.1	15.6	33.8	44.6					
7-year	77.8	20.6	9.8	6.5	8.2	6.3	6.0	6.7	6.8	7.0	12.3	14.4	32.0						
8-year	77.8	17.5	8.1	5.8	6.7	5.4	5.3	6.0	6.4	6.9	11.6	14.0							
9-year	77.8	15.8	7.5	4.5	5.3	5.1	4.9	5.7	5.8	6.8	11.2								
10-year	77.8	13.7	6.9	4.2	4.5	4.8	4.8	5.6	5.7	6.4									
11-year	77.5	12.1	6.1	3.7	4.1	4.7	4.5	5.3	5.5										
12-year	77.5	11.6	5.3	3.4	4.0	4.7	4.4	5.3											
13-year	77.5	10.7	4.7	3.2	3.6	4.1	4.1												
14-year	77.5	10.5	4.3	3.1	3.4	3.9													
15-year	77.5	9.9	4.1	3.1	3.4														
16-year	77.5	9.3	4.1	3.0															
17-year	77.5	8.7	3.9																
18-year	77.5	7.3																	
19-year	77.5																		
20-year	77.5																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.

Table X-7  
 KAPOSI SARCOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Males

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	95.1	65.0	50.6	55.0	63.9	62.6	62.3	61.7	62.5	62.6	58.9	55.0	61.4	68.5	72.5	72.2	75.6	72.6	78.6
2-year	89.4	41.7	25.4	31.1	38.0	33.4	34.6	33.3	29.8	27.8	29.6	26.8	45.2	58.8	62.7	62.5	64.2	64.3	
3-year	87.7	32.5	19.2	18.5	21.5	17.9	19.2	18.9	14.5	15.6	18.8	20.0	41.2	53.1	58.6	58.2	60.2		
4-year	84.2	27.7	14.0	12.6	14.2	11.7	12.6	13.6	9.8	10.2	14.5	17.5	36.9	49.9	54.3	54.3			
5-year	84.2	23.8	10.7	9.5	10.1	8.2	8.7	9.0	7.5	8.1	12.9	16.3	34.0	47.0	52.9				
6-year	76.7	19.8	9.2	8.0	8.6	6.8	6.4	6.9	6.5	7.5	12.4	15.2	33.4	44.4					
7-year	75.9	18.2	8.0	6.1	7.2	5.7	5.8	6.3	6.0	6.7	11.8	14.0	31.4						
8-year	75.9	15.7	6.3	5.4	6.2	4.9	5.1	5.7	5.6	6.7	11.1	13.7							
9-year	75.9	14.2	5.9	4.1	4.9	4.6	4.6	5.4	5.0	6.6	10.8								
10-year	75.9	12.2	5.5	3.8	4.3	4.4	4.6	5.3	4.8	6.2									
11-year	72.0	10.7	4.9	3.4	4.1	4.3	4.4	5.1	4.7										
12-year	72.0	10.3	4.5	3.1	4.0	4.3	4.2	5.1											
13-year	72.0	9.5	4.1	2.9	3.6	3.8	4.0												
14-year	72.0	9.3	4.1	2.8	3.5	3.7													
15-year	72.0	8.5	3.9	2.8	3.5														
16-year	72.0	8.2	3.9	2.7															
17-year	72.0	8.0	3.9																
18-year	72.0	7.0																	
19-year	72.0																		
20-year	72.0																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.

Table X-8  
KAPOSI SARCOMA (Invasive)

SURVIVAL RATES<sup>a</sup>

By Year of Diagnosis

All Races, Females

Year of Diagnosis

	1975- 1979	1980- 1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Relative Survival Rates (SEER <sup>b</sup> )																			
1-year	93.3	92.1	85.1	100.0	79.3	80.8	66.9	77.6	89.9	74.7	70.9	82.3	88.0	79.5	70.6	86.8	65.8	75.6	87.0
2-year	89.4	87.2	85.1	77.4	79.3	80.8	54.2	50.4	78.9	53.5	70.9	56.5	86.1	79.5	65.0	86.8	57.2	75.6	
3-year	89.4	77.6	85.1	69.6	79.3	78.6	40.7	50.4	73.7	43.2	50.7	48.3	73.8	66.9	65.0	86.8	49.1		
4-year	83.3	74.6	84.9	69.6	79.3	75.5	40.7	43.4	73.7	31.9	50.7	43.6	68.5	66.9	63.5	86.8			
5-year	81.1	69.7	84.9	69.6	79.3	69.0	37.4	40.1	71.2	31.9	50.7	43.6	49.4	57.6	46.9				
6-year	81.1	65.9	84.9	69.2	79.3	69.0	29.5	34.6	71.2	26.9	50.7	40.5	49.4	51.4					
7-year	81.1	65.9	84.9	45.6	79.3	65.0	29.5	34.6	71.2	26.9	43.2	35.2	49.4						
8-year	81.1	60.5	84.9	45.6	66.0	57.3	29.5	33.3	71.2	22.0	43.2	35.2							
9-year	81.1	58.7	84.9	45.6	53.2	57.3	29.5	33.3	71.2	22.0	37.7								
11-year	81.1	53.9	84.9	45.6	19.1	52.4	29.5	27.0	71.2	22.0									
10-year	81.1	51.9	82.1	40.5	0.0	52.4	25.6	19.7	71.2										
12-year	81.1	51.9	61.9	40.5	0.0	44.2	25.6	19.7											
13-year	81.1	51.9	50.2	40.5	0.0	44.2	14.3												
14-year	81.1	51.9	19.2	40.5	0.0	34.2													
15-year	81.1	51.9	19.2	40.5	0.0														
16-year	81.1	51.9	19.2	40.5															
17-year	81.1	48.5	0.0																
18-year	81.1	22.2																	
19-year	81.1																		
20-year	81.1																		

<sup>a</sup> Survival rates are relative rates expressed as percents.  
<sup>b</sup> Rates are from the SEER 9 areas.



Table X-9  
KAPOSI SARCOMA

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 (13 SEER Areas) With Cancer

2000-2002

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	0.01	0.12	0.00	0.00	0.00	0.02
10	0.00	0.01	0.04	0.12	0.00	0.00	0.00	0.02
20	0.01	0.04	0.07	0.12	0.00	0.00	0.00	0.02
30	0.03	0.07	0.08	0.11	0.00	0.00	0.00	0.02
40	0.03	0.04	0.05	0.08	0.00	0.00	0.00	0.02
50	0.01	0.02	0.03	0.05	0.00	0.00	0.01	0.02
60	0.01	0.02	0.03	0.04	0.00	0.01	0.01	0.02

Lifetime Risk of Being Diagnosed = 0.12%

Lifetime Risk of Being Diagnosed = 0.02%

Whites

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.02
10	0.00	0.01	0.03	0.10	0.00	0.00	0.00	0.02
20	0.01	0.03	0.06	0.10	0.00	0.00	0.00	0.02
30	0.03	0.06	0.07	0.10	0.00	0.00	0.00	0.02
40	0.03	0.04	0.05	0.07	0.00	0.00	0.00	0.02
50	0.01	0.02	0.03	0.05	0.00	0.00	0.01	0.02
60	0.01	0.02	0.03	0.04	0.00	0.01	0.01	0.02

Lifetime Risk of Being Diagnosed = 0.10%

Lifetime Risk of Being Diagnosed = 0.02%

Blacks

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
0	0.00	0.00	0.04	0.23	0.00	0.00	0.00	0.02
10	0.00	0.04	0.13	0.23	0.00	0.00	0.01	0.02
20	0.04	0.13	0.19	0.23	0.00	0.01	0.01	0.02
30	0.10	0.16	0.18	0.20	0.00	0.01	0.01	0.01
40	0.06	0.09	0.10	0.11	0.01	0.01	0.01	0.01
50	0.03	0.04	0.04	0.05	0.00	0.01	0.01	0.01
60	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00

Lifetime Risk of Being Diagnosed = 0.23%

Lifetime Risk of Being Diagnosed = 0.02%

Devcan Version 6.0, April 2005, National Cancer Institute (<http://srab.cancer.gov/devcan/>).

Source: Incidence data are from the SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia).

Table X-10  
KAPOSI SARCOMA

SEER INCIDENCE  
AGE-ADJUSTED RATES AND TRENDS<sup>a</sup>  
 By Race/Ethnicity and Sex

Incidence<sup>b</sup>

RACE/ETHNICITY	Rate 1998-2002 Rate per 100,000 persons			Trend 1992-2002 APC (%)		
	Total	Males	Females	Total	Males	Females
All Races	0.9	1.7	0.1	-20.0 <sup>e</sup>	-20.4 <sup>e</sup>	-6.0 <sup>e</sup>
White	0.8	1.5	0.1	-22.0 <sup>e</sup>	-22.4 <sup>e</sup>	-6.9 <sup>e</sup>
White Hispanic <sup>c</sup>	1.2	2.1	0.3	-19.1 <sup>e</sup>	-19.9 <sup>e</sup>	-
White Non-Hispanic <sup>c</sup>	0.7	1.4	0.1	-23.6 <sup>e</sup>	-23.8 <sup>e</sup>	-
Black	1.8	3.7	-	-12.4 <sup>e</sup>	-12.7 <sup>e</sup>	-
Asian/Pacific Islander	0.2	0.5	-	-	-	-
Amer Ind/Alaska Nat	-	-	-	-	-	-
Hispanic <sup>c</sup>	1.2	2.1	0.3	-18.7 <sup>e</sup>	-19.5 <sup>e</sup>	-

- The APC is the 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.
- <sup>a</sup> 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).
- <sup>b</sup> Incidence data are from the 13 SEER areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry and Rural Georgia).
- <sup>c</sup> 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 do not include cases from Detroit, Hawaii, Alaska Native Registry and Rural Georgia.
- <sup>d</sup> The APC is significantly different from zero (p<.05).

Table X-11  
KAPOSI SARCOMA (Invasive)

AGE-ADJUSTED SEER INCIDENCE RATES<sup>a</sup>  
 By Registry, Race and Sex

	<u>All Races</u>			<u>Whites</u>			<u>Blacks</u>		
	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>	<u>Total</u>	<u>Males</u>	<u>Females</u>
<u>SEER INCIDENCE RATES<sup>b</sup>, 1998-2002</u>									
REGISTRY									
13 SEER Areas	0.9	1.7	0.1	0.8	1.5	0.1	1.8	3.7	-
11 SEER Areas	0.9	1.7	0.1	0.8	1.5	0.1	1.8	3.7	-
9 SEER Areas	0.8	1.5	0.1	0.6	1.2	0.1	1.8	3.6	-
San Francisco-Oakland	1.6	3.1	-	1.7	3.2	-	2.9	5.6	-
Connecticut	0.5	0.8	-	0.4	0.7	-	-	-	-
Metropolitan Detroit	0.6	1.2	-	0.4	0.8	-	1.0	2.2	-
Hawaii	0.5	0.9	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-
New Mexico	0.5	0.9	-	0.5	0.9	-	-	-	-
Seattle-Puget Sound	0.6	1.1	-	0.5	1.0	-	-	-	-
Utah	-	-	-	-	-	-	-	-	-
Metropolitan Atlanta	1.5	3.1	-	1.0	1.9	-	2.5	5.3	-
San Jose-Monterey	0.4	0.8	-	0.4	0.8	-	-	-	-
Los Angeles	1.4	2.6	0.2	1.4	2.6	0.2	2.0	4.3	-

<sup>a</sup> Incidence rates are per 100,000 and are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).

<sup>b</sup> 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.

- Statistic could not be calculated or populations are inadequate.

Table X-12  
KAPOSI'S SARCOMA (Invasive)

Estimated United States Cancer Prevalence Counts<sup>a</sup> on January 1, 2002  
 By Race/Ethnicity, Sex and Years Since Diagnosis

Years Since Diagnosis	0 to <5	5 to <10	10 to <15	15 to <20	20 to <25	0 to <12 <sup>e</sup>	0 to <27 <sup>e</sup>	>=27 <sup>g</sup>	Complete <sup>h</sup>
<u>Race/Sex</u>									
All Races <sup>b</sup>	7,140	8,705	2,599	822	288	17,179	19,711	+	+
Males	6,545	8,354	2,400	743	196	16,079	18,332	+	+
Females	595	351	199	79	92	1,100	1,379	+	+
White <sup>b</sup>	4,912	7,144	2,096	671	253	13,124	15,199	+	+
Males	4,484	6,882	1,945	603	161	12,316	14,170	+	+
Females	428	262	151	68	92	808	1,029	+	+
Black <sup>b</sup>	1,751	1,109	247	93	12	2,992	3,205	+	+
Males	1,633	1,035	210	93	12	2,776	2,976	+	+
Females	118	74	37	0	0	216	229	+	+
Asian/Pacific Islander <sup>c</sup>	89	97	+	+	+	192	+	+	+
Males	85	95	+	+	+	185	+	+	+
Females	4	2	+	+	+	7	+	+	+
Hispanic <sup>d</sup>	1,128	1,239	+	+	+	2,512	+	+	+
Males	1,051	1,206	+	+	+	2,387	+	+	+
Females	77	33	+	+	+	125	+	+	+

Estimated prevalence percent<sup>a</sup> on January 1, 2002, of the SEER 11 population diagnosed in the previous 10 years  
 By Age at Prevalence, Race/Ethnicity and Sex

Age at Prevalence	Age Specific (Crude)										Age-Adjusted <sup>f</sup>
	All Ages	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	All Ages
<u>Race/Sex</u>											
All Races <sup>c</sup>	0.0064%	-	-	0.0008%	0.0107%	0.0170%	0.0093%	0.0047%	0.0055%	0.0116%	0.0065%
Males	0.0124%	-	-	0.0014%	0.0206%	0.0337%	0.0186%	0.0089%	0.0106%	0.0209%	0.0126%
Females	0.0006%	-	-	-	0.0005%	0.0005%	0.0005%	0.0009%	0.0017%	0.0065%	0.0006%
White <sup>c</sup>	0.0065%	-	-	0.0005%	0.0105%	0.0168%	0.0095%	0.0048%	0.0058%	0.0119%	0.0064%
Males	0.0123%	-	-	0.0009%	0.0199%	0.0330%	0.0188%	0.0091%	0.0110%	0.0219%	0.0125%
Females	0.0006%	-	-	-	0.0005%	0.0003%	0.0004%	0.0008%	0.0019%	0.0065%	0.0006%
Black <sup>c</sup>	0.0086%	-	-	0.0026%	0.0177%	0.0245%	0.0111%	0.0051%	-	0.0114%	0.0090%
Males	0.0171%	-	-	0.0054%	0.0370%	0.0509%	0.0228%	0.0096%	-	-	0.0181%
Females	0.0008%	-	-	-	-	0.0014%	-	-	-	0.0111%	0.0010%
Asian/Pacific Islander <sup>c</sup>	0.0016%	-	-	-	0.0018%	0.0044%	0.0026%	-	-	0.0048%	0.0016%
Males	0.0031%	-	-	-	0.0037%	0.0092%	0.0051%	-	-	-	0.0032%
Females	-	-	-	-	-	-	-	-	-	-	-
Hispanic <sup>d</sup>	0.0063%	-	-	0.0007%	0.0135%	0.0195%	0.0115%	0.0069%	0.0083%	0.0257%	0.0084%
Males	0.0117%	-	-	0.0014%	0.0246%	0.0382%	0.0231%	0.0129%	0.0187%	0.0362%	0.0158%
Females	0.0006%	-	-	-	0.0008%	-	-	-	-	0.0199%	0.0011%

<sup>a</sup> US 2002 cancer prevalence counts are based on 2002 cancer prevalence proportions from the SEER registries and 1/1/2002 US population estimates based on the average of 2001 and 2002 population estimates from the US Bureau of the Census. Prevalence was calculated using the First Malignant Primary Only for a person.

<sup>b c d</sup> Statistics based on b) SEER 9 Areas c) SEER 11 Areas and Rural Georgia d) SEER 11 Areas excluding Hawaii and Detroit.

<sup>e</sup> Maximum limited-duration prevalence: 27 years for 1975-2002 SEER 9 data; 12 years for 1990-2002 SEER 11 data (used to calculate prevalence for Hispanics and Asian Pacific Islanders).

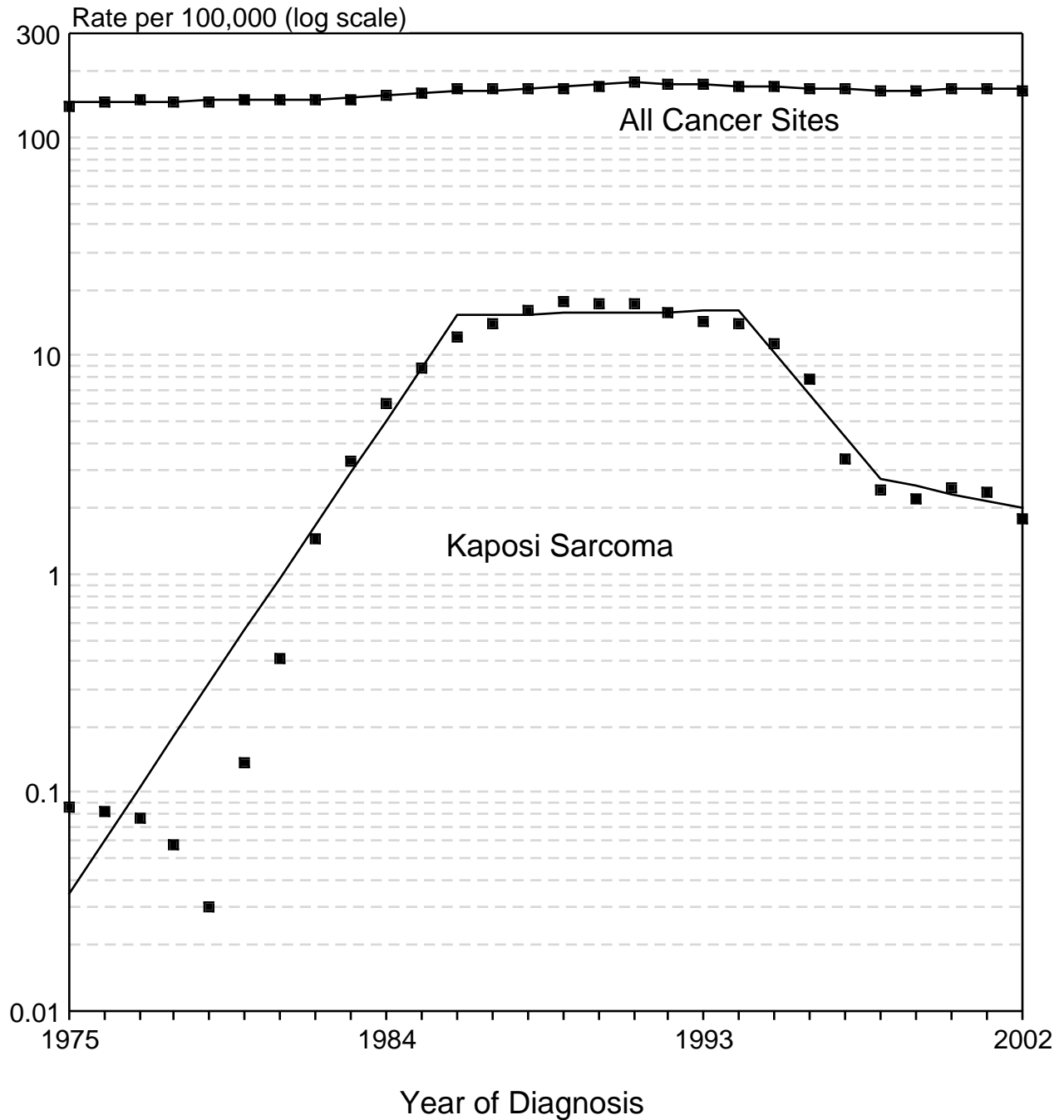
<sup>f</sup> Percentages are age-adjusted to the 2000 US standard population by 5-year age groups.

<sup>g h i</sup> (g) Cases diagnosed more than 27 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 <27 and >=27. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry.

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

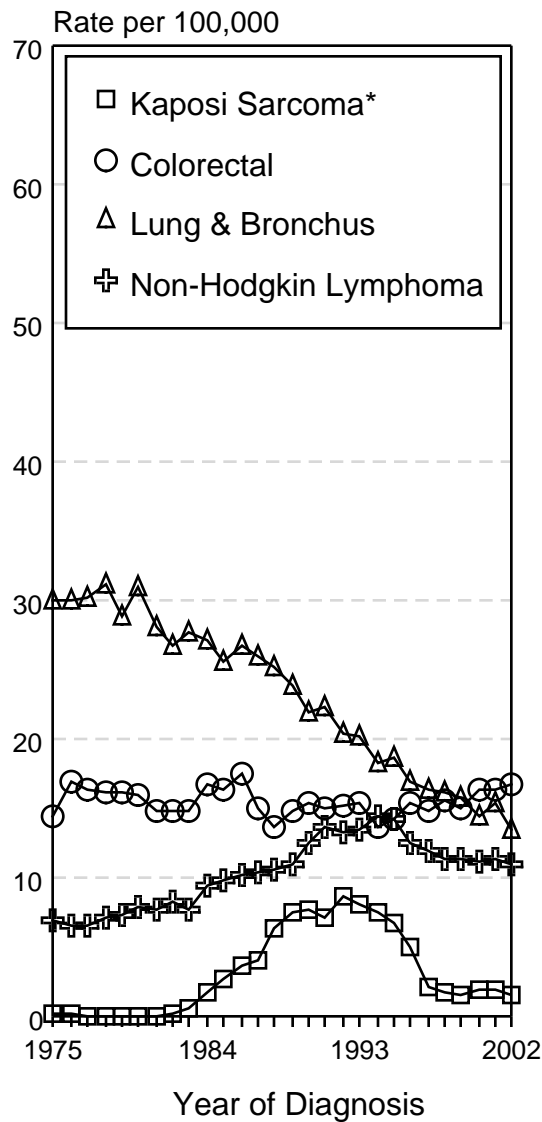
+ Not available.

# All Cancer Sites vs Kaposi Sarcoma SEER Incidence Rates, 1975-2002 Males, Ages 20-54

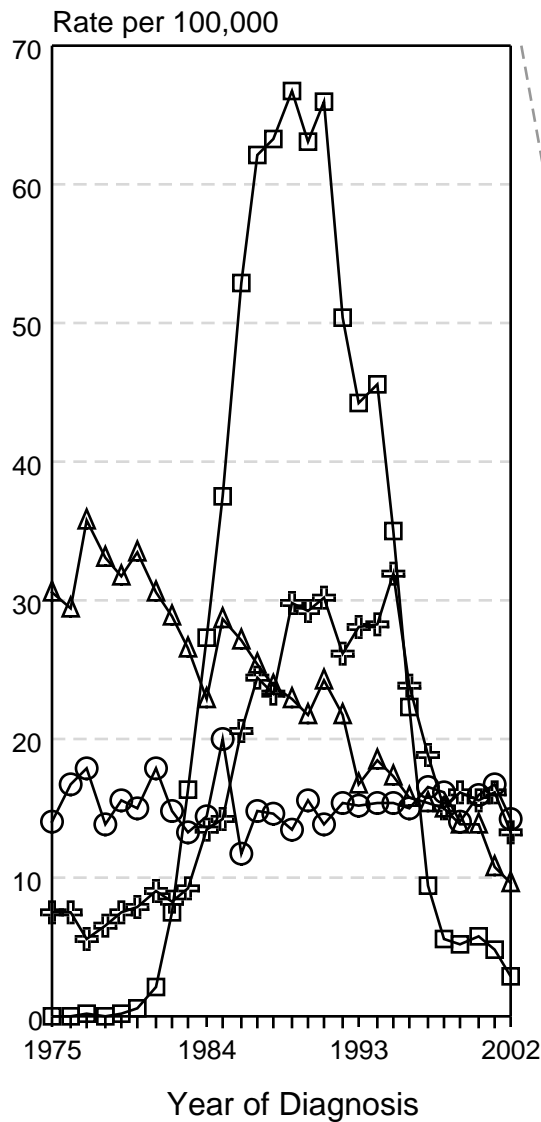


Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103). Regression lines are calculated using the Joinpoint Regression Program Version 3.0, April 2005, National Cancer Institute.

### All SEER excluding San Francisco/Oakland Males, Ages 20-54 1975-2002



### San Francisco/Oakland Males, Ages 20-54 1975-2002



### San Francisco County/City Males, Ages 20-54 1975-2002

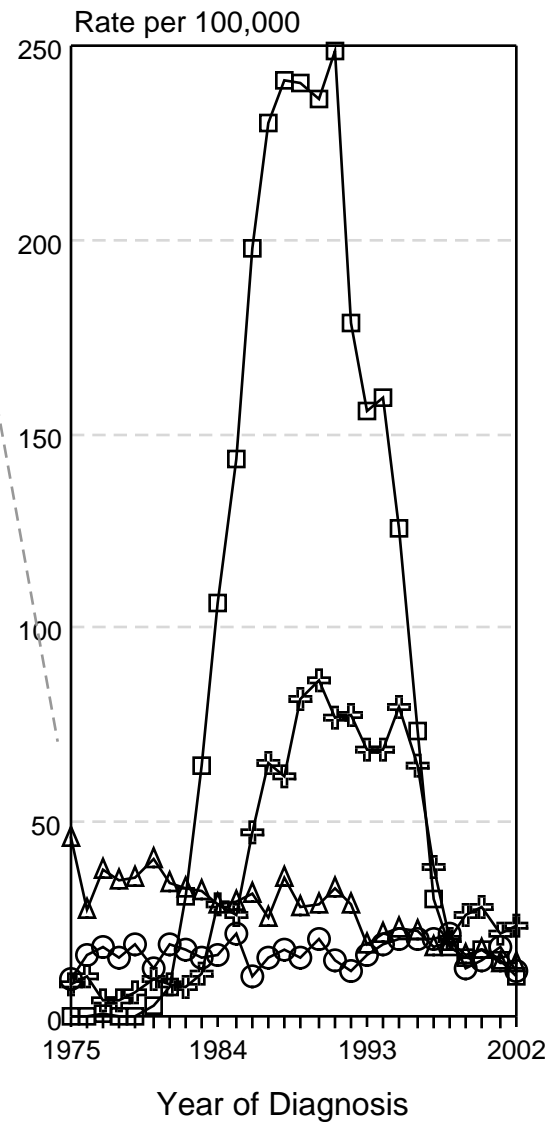


Figure X-2

Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).  
 \* Kaposi sarcoma excluded from colorectal, lung & bronchus, and non-hodgkin lymphoma.