

Table 10.1  
Kaposi Sarcoma

Number of Cases

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, All Ages

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	134	79	326	887	1573	2131	2233	2056	1801	838	390	398	329	503
SEER 9 except SF-Oakland	102	44	85	259	427	775	842	975	874	462	243	264	221	347
San Francisco- Oakland SMSA <sup>c</sup>	32	35	241	628	1146	1356	1391	1081	927	376	147	134	108	156
San Francisco City/County	15	21	201	540	955	1077	1089	792	690	253	86	79	68	103

Age-Adjusted Cancer Incidence Rates<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, All Ages

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	0.4	0.5	1.7	4.2	7.1	9.2	9.3	8.2	7.0	3.2	1.5	1.5	1.2	1.2
SEER 9 except SF-Oakland	0.4	0.4	0.6	1.5	2.3	4.0	4.2	4.6	4.0	2.1	1.1	1.2	1.0	1.0
San Francisco- Oakland SMSA <sup>c</sup>	0.7	1.3	7.0	17.2	30.0	34.0	34.0	25.6	22.0	8.9	3.5	3.0	2.6	2.4
San Francisco City/County	1.1	3.1	25.1	65.3	111.3	124.6	125.7	89.1	77.5	28.2	9.4	8.5	7.4	7.2

<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 SEER 9 areas are San Francisco-Oakland SMSA, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

<sup>c</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 Sarcoma.

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

Table 10.2  
Kaposi Sarcoma

Number of Cases

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, Ages 20-54

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	13	26	254	806	1480	1994	2104	1921	1676	753	317	344	257	418
SEER 9 except SF-Oakland	11	5	35	207	378	694	773	909	809	409	196	225	182	286
San Francisco- Oakland SMSA <sup>c</sup>	<4	21	219	599	1102	1300	1331	1012	867	344	121	119	75	132
San Francisco City/County	<4	18	193	520	924	1041	1051	748	649	236	76	73	51	92

Age-Adjusted Cancer Incidence Rates<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, Ages 20-54

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	0.1	0.3	2.4	7.4	13.1	16.9	17.1	14.9	12.7	5.6	2.3	2.5	1.9	2.0
SEER 9 except SF-Oakland	0.1	0.1	0.4	2.2	3.9	6.9	7.4	8.4	7.2	3.6	1.7	2.0	1.6	1.6
San Francisco- Oakland SMSA <sup>c</sup>	-	1.3	12.1	32.3	57.3	64.4	63.9	46.8	40.2	15.8	5.4	5.2	3.3	3.9
San Francisco City/County	-	5.3	47.8	125.1	214.0	239.1	240.3	165.3	142.7	51.5	16.1	15.4	10.5	12.6

<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 SEER 9 areas are San Francisco-Oakland SMSA, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.  
<sup>c</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 Sarcoma.  
- Statistic not shown. Rate based on less than 4 cases for the time interval.

Table 10.3  
Kaposi Sarcoma

Number of Cases

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, Ages 55+

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	121	53	71	80	92	135	129	134	125	85	73	53	72	84
SEER 9 except SF-Oakland	91	39	49	52	49	81	69	65	65	53	47	38	39	60
San Francisco- Oakland SMSA <sup>c</sup>	30	14	22	28	43	54	60	69	60	32	26	15	33	24
San Francisco City/County	14	<4	8	20	31	35	38	44	41	17	10	6	17	11

Age-Adjusted Cancer Incidence Rates<sup>a</sup>

By SEER Location and Year of Diagnosis, 1975-2006

All Races, Males, Ages 55+

SEER Location	Year of Diagnosis													
	1975- 1979	1980- 1981	1982- 1983	1984- 1985	1986- 1987	1988- 1989	1990- 1991	1992- 1993	1994- 1995	1996- 1997	1998- 1999	2000- 2001	2002- 2003	2004- 2006
SEER 9 <sup>b</sup>	1.9	1.9	2.4	2.4	2.5	3.6	3.6	3.3	3.0	2.1	1.7	1.3	1.5	1.1
SEER 9 except SF-Oakland	1.7	1.7	2.0	2.0	1.8	2.7	2.4	2.0	1.9	1.6	1.3	1.1	1.0	1.0
San Francisco- Oakland SMSA <sup>c</sup>	2.9	3.1	4.6	4.7	6.4	8.1	9.6	10.4	8.8	4.8	3.7	2.1	4.3	2.0
San Francisco City/County	4.7	-	5.6	12.9	20.5	23.5	26.4	30.5	29.0	11.5	6.7	3.8	10.4	4.3

<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 SEER 9 areas are San Francisco-Oakland SMSA, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

<sup>c</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 Sarcoma.

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

Table 10.4  
Kaposi Sarcoma

Age-adjusted SEER Incidence<sup>a</sup> Rates by Year, Race and Sex

Year of Diagnosis:	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
1975	0.23	0.56	-	0.22	0.56	-	-	-	-
1976	0.25	0.47	-	0.24	0.48	-	-	-	-
1977	0.29	0.54	-	0.30	0.55	-	-	-	-
1978	0.24	0.35	0.17	0.23	0.34	-	-	-	-
1979	0.18	0.30	-	0.18	0.30	-	-	-	-
1980	0.28	0.56	-	0.30	0.60	-	-	-	-
1981	0.31	0.54	-	0.34	0.61	-	-	-	-
1982	0.65	1.20	0.18	0.71	1.32	0.18	-	-	-
1983	1.07	2.19	-	1.19	2.40	-	-	-	-
1984	1.81	3.58	-	1.98	3.90	-	1.27	2.89	-
1985	2.46	4.86	0.16	2.79	5.47	0.18	1.09	2.24	-
1986	3.27	6.54	-	3.71	7.34	-	1.65	3.59	-
1987	3.80	7.61	-	4.25	8.44	-	2.09	4.29	-
1988	4.42	8.86	0.15	4.82	9.56	0.15	3.40	7.28	-
1989	4.76	9.52	0.14	5.13	10.17	-	4.57	9.68	-
1990	4.61	9.21	0.18	5.03	9.98	0.15	3.65	7.54	-
1991	4.70	9.40	0.19	5.04	10.00	0.18	4.59	9.54	-
1992	4.37	8.68	0.18	4.59	9.01	0.18	4.97	10.48	-
1993	3.86	7.64	0.17	4.05	7.96	0.15	4.28	8.59	-
1994	3.79	7.47	0.17	3.88	7.59	0.13	4.15	8.42	-
1995	3.29	6.45	0.20	3.28	6.37	0.17	4.90	10.19	-
1996	2.23	4.40	0.16	2.01	3.98	-	4.61	9.09	-
1997	1.07	2.08	0.13	0.91	1.77	-	2.67	5.31	-
1998	0.81	1.57	-	0.69	1.31	-	1.79	3.78	-
1999	0.78	1.47	0.14	0.66	1.24	-	1.94	3.72	-
2000	0.80	1.54	-	0.66	1.29	-	1.98	4.00	-
2001	0.82	1.48	0.18	0.66	1.18	0.15	1.94	3.80	-
2002	0.67	1.25	0.11	0.54	1.01	-	1.49	3.01	-
2003	0.65	1.24	-	0.59	1.09	-	1.47	3.08	-
2004	0.67	1.29	-	0.57	1.09	-	1.63	3.26	-
2005	0.73	1.38	0.11	0.56	1.06	-	1.97	3.90	-
2006	0.55	1.07	-	0.45	0.85	-	1.26	2.62	-
1975-2006	1.88	3.71	0.13	1.95	3.82	0.12	2.25	4.60	0.24

<sup>a</sup> 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.

Table 10.5  
Kaposi Sarcoma

SEER Incidence<sup>a</sup> 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>SEER Incidence</u>									
<u>Age at Diagnosis</u>									
Age-Adjusted Rates, 2002-2006									
All ages	0.6	1.2	0.1	0.6	1.1	0.1	1.3	2.5	0.2
Under 65	0.6	1.1	0.0	0.5	0.9	0.0	1.3	2.7	0.1
65 and over	1.1	2.0	0.6	1.1	2.0	0.6	0.8	-	-
All ages (IARC world std) <sup>b</sup>	0.5	0.9	0.1	0.4	0.8	0.0	1.0	2.0	0.1
Age-Specific Rates, 2002-2006									
<1	-	-	-	-	-	-	-	-	-
1-4	-	-	-	-	-	-	-	-	-
5-9	-	-	-	-	-	-	-	-	-
10-14	-	-	-	-	-	-	-	-	-
15-19	-	-	-	-	-	-	-	-	-
20-24	0.2	0.3	-	0.1	-	-	0.7	1.3	-
25-29	0.5	0.9	-	0.4	0.7	-	1.6	3.2	-
30-34	0.9	1.8	-	0.7	1.4	-	2.4	5.0	-
35-39	1.5	2.8	-	1.2	2.4	-	3.8	7.7	-
40-44	1.4	2.7	-	1.2	2.4	-	3.1	6.1	-
45-49	0.9	1.9	-	0.9	1.7	-	1.8	3.7	-
50-54	0.6	1.3	-	0.6	1.1	-	1.4	2.9	-
55-59	0.5	1.0	-	0.5	0.9	-	-	-	-
60-64	0.5	0.8	-	0.4	0.7	-	-	-	-
65-69	0.6	1.0	-	0.5	0.9	-	-	-	-
70-74	0.8	1.4	0.3	0.9	1.5	0.3	-	-	-
75-79	1.2	2.0	0.5	1.1	2.0	0.5	-	-	-
80-84	1.7	2.7	1.1	1.8	3.0	1.1	-	-	-
85+	2.3	4.3	1.3	2.2	4.0	1.3	-	-	-

<sup>a</sup> 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.

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

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

Table 10.6  
Kaposi Sarcoma

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

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<b>5-Year Relative Survival Rates</b>									
Year of Diagnosis:									
1960-1963 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1970-1973 <sup>a</sup>	-	-	-	-	-	-	-	-	-
1975-1977 <sup>b</sup>	83.2 <sup>f</sup>	82.0 <sup>f</sup>	-	82.0 <sup>f</sup>	80.0 <sup>f</sup>	-	-	-	-
1978-1980 <sup>b</sup>	78.9 <sup>f</sup>	80.6 <sup>f</sup>	72.6 <sup>g</sup>	78.2 <sup>f</sup>	79.2 <sup>f</sup>	72.4 <sup>g</sup>	-	-	-
1981-1983 <sup>b</sup>	33.6	31.0	74.4 <sup>g</sup>	31.9	29.3	72.5 <sup>g</sup>	-	-	-
1984-1986 <sup>b</sup>	12.3	11.1	71.4 <sup>g</sup>	11.9	10.8	70.2 <sup>g</sup>	16.3	15.2	-
1987-1989 <sup>b</sup>	9.6	9.0	65.8 <sup>g</sup>	9.2	8.7	71.4 <sup>g</sup>	11.7	10.6	-
1990-1992 <sup>b</sup>	9.0	8.4	50.6 <sup>f</sup>	8.5	8.0	50.1 <sup>f</sup>	11.5	10.5	-
1993-1995 <sup>b</sup>	21.2	20.7	48.6 <sup>f</sup>	21.7	21.2	58.5 <sup>g</sup>	16.1	15.3	-
1996-1998 <sup>b</sup>	50.9	50.4	64.6 <sup>f</sup>	55.2	54.4	81.1 <sup>g</sup>	37.8	37.4	-
1999-2005 <sup>b</sup>	59.8 <sup>e</sup>	59.6 <sup>e</sup>	62.0 <sup>f</sup>	67.2 <sup>e</sup>	66.5 <sup>e</sup>	78.4 <sup>f</sup>	43.5	44.2	-
<b>5-Year Period Survival Rates<sup>cd</sup></b>									
Year of Diagnosis:									
1999-2005	63.2	63.6	59.0	67.2	66.8	68.6	46.4	48.1	-
<b>5-Year Relative Survival Rates, 1999-2005<sup>c</sup></b>									
Age at Diagnosis:									
Ages <45	56.4	56.8	38.3 <sup>f</sup>	60.2	60.2	-	43.4	44.7	-
Ages 45-54	57.4	58.9	-	58.0	59.3	-	47.6 <sup>f</sup>	49.7 <sup>f</sup>	-
Ages 55-64	71.8	72.7	-	73.0	73.4 <sup>f</sup>	-	56.1 <sup>g</sup>	58.2 <sup>g</sup>	-
Ages 65-74	81.4	82.9 <sup>f</sup>	71.0 <sup>g</sup>	80.0 <sup>f</sup>	81.1 <sup>f</sup>	71.9 <sup>g</sup>	-	-	-
Ages 75+	87.6 <sup>f</sup>	89.2 <sup>f</sup>	76.5 <sup>f</sup>	89.4 <sup>f</sup>	89.8 <sup>f</sup>	79.7 <sup>f</sup>	-	-	-
Ages <65	57.8	58.4	36.5 <sup>f</sup>	60.9	61.1	47.9 <sup>g</sup>	44.5	45.8	14.5 <sup>f</sup>
Ages 65+	85.4	87.3	76.0 <sup>f</sup>	86.0	86.7 <sup>f</sup>	79.6 <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 2006.  
<sup>c</sup> 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.  
<sup>d</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 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).  
<sup>e</sup> The difference in rates between 1975-1977 and 1999-2005 is statistically significant (p<.05).  
<sup>f</sup> The standard error of the survival rate is between 5 and 10 percentage points.  
<sup>g</sup> 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 10.7  
Kaposi Sarcoma

Survival Rates<sup>a</sup>  
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 Survival Rates (SEER <sup>b</sup> )																				
1-year	95.4	66.8	60.2	61.9	62.8	63.2	59.1	55.7	62.3	69.5	73.7	73.9	76.7	74.1	80.1	77.6	74.7	82.3	81.5	
2-year	89.8	44.4	33.9	33.4	30.3	28.5	30.1	27.7	46.9	60.2	64.3	64.9	64.9	67.0	72.7	70.8	72.4	73.5		
3-year	88.9	35.0	20.0	19.8	15.4	16.4	19.4	20.9	42.6	54.1	60.8	60.1	60.9	60.3	67.0	65.7	66.7			
4-year	85.0	30.2	13.7	14.3	10.8	10.9	15.1	18.3	38.3	50.9	56.9	57.5	56.0	56.0	64.0	64.2				
5-year	85.0	26.1	10.1	9.7	8.4	8.9	13.5	17.2	35.1	47.4	54.5	56.6	55.1	52.8	63.1					
6-year	80.3	22.1	8.4	7.6	7.4	8.2	13.0	16.0	34.5	44.7	51.9	53.2	52.2	51.1						
7-year	78.7	20.6	7.1	7.0	7.0	7.4	12.2	14.8	32.8	43.7	47.4	50.3	51.5							
8-year	78.7	17.5	6.1	6.3	6.5	7.2	11.6	14.4	31.4	43.5	44.3	47.9								
9-year	78.7	15.8	5.4	6.1	6.0	7.1	11.2	13.6	30.2	41.6	40.7									
10-year	78.7	13.7	5.0	5.9	5.8	6.8	10.9	13.4	28.9	41.4										
11-year	78.4	12.3	4.6	5.6	5.6	6.8	10.3	13.0	27.8											
12-year	78.4	11.8	4.4	5.6	5.5	6.6	10.1	12.8												
13-year	78.4	10.9	4.0	5.5	5.2	6.6	9.9													
14-year	78.4	10.7	3.7	4.9	5.1	6.3														
15-year	78.4	10.1	3.6	4.3	5.0															
16-year	78.4	9.5	3.4	4.2																
17-year	78.4	8.9	3.4																	
18-year	78.4	7.7																		
19-year	78.4	7.7																		
20-year	78.4	7.2																		

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

Table 10.8  
Kaposi Sarcoma

Survival Rates<sup>a</sup>  
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 Survival Rates (SEER <sup>b</sup> )																			
1-year	95.7	65.1	59.8	61.5	62.4	63.0	58.9	55.2	61.5	69.3	73.7	73.0	76.7	73.4	79.3	76.5	74.8	81.1	82.5
2-year	89.8	41.7	33.2	32.9	29.6	28.1	29.2	27.1	45.7	59.6	63.9	63.2	64.4	65.6	73.1	69.8	72.2	72.2	
3-year	88.0	32.6	19.2	19.1	14.6	15.9	18.7	20.4	41.7	53.8	60.1	58.5	60.4	59.3	68.3	65.1	66.7		
4-year	85.4	27.9	12.9	13.7	9.9	10.6	14.4	17.9	37.5	50.5	56.1	55.5	55.0	55.7	64.7	64.5			
5-year	85.4	24.0	9.4	9.1	7.6	8.5	12.8	16.7	34.8	47.3	54.5	54.3	53.8	52.9	63.4				
6-year	77.7	20.0	7.7	7.0	6.6	7.9	12.3	15.5	34.1	44.7	51.7	51.8	50.6	51.6					
7-year	76.8	18.3	6.4	6.4	6.2	7.1	11.7	14.5	32.3	43.6	47.7	49.8	49.7						
8-year	76.8	15.8	5.5	5.8	5.7	7.0	11.1	14.0	31.0	43.4	44.4	48.5							
9-year	76.8	14.3	4.9	5.5	5.1	6.9	10.8	13.4	30.0	41.4	41.0								
10-year	76.8	12.4	4.6	5.5	5.0	6.6	10.5	13.1	28.8	41.2									
11-year	72.7	11.0	4.3	5.3	4.8	6.6	9.8	12.7	27.7										
12-year	72.7	10.6	4.1	5.3	4.6	6.4	9.7	12.5											
13-year	72.7	9.8	3.8	5.1	4.3	6.4	9.6												
14-year	72.7	9.6	3.6	4.5	4.3	6.1													
15-year	72.7	8.9	3.5	4.2	4.3														
16-year	72.7	8.6	3.3	4.1															
17-year	72.7	8.3	3.3																
18-year	72.7	7.4																	
19-year	72.7	7.4																	
20-year	72.7	6.8																	

<sup>a</sup>  
<sup>b</sup>

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 10.9  
Kaposi Sarcoma

Survival Rates<sup>a</sup>  
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 Survival Rates (SEER <sup>b</sup> )																			
1-year	93.5	91.8	83.6	79.8	89.5	74.7	70.9	82.3	87.4	77.7	72.4	86.9	75.5	81.1	87.0	88.4	69.2	100.0	64.6
2-year	89.7	86.4	78.7	55.6	78.5	53.5	70.9	56.5	85.4	77.7	67.2	86.9	69.5	81.1	68.1	80.0	69.2	97.1	
3-year	89.7	76.4	74.0	55.6	73.9	43.2	50.7	48.3	72.5	62.5	67.2	86.9	65.4	72.0	52.7	69.8	64.5		
4-year	83.8	73.1	73.2	49.9	73.9	31.9	50.7	43.7	66.7	62.5	67.2	86.9	65.4	60.3	52.7	60.2			
5-year	81.7	67.0	72.6	47.6	72.7	31.9	50.7	43.7	46.5	51.2	53.9	86.9	65.4	51.9	52.7				
6-year	81.7	65.3	72.6	42.9	68.9	26.9	50.7	40.6	46.5	44.1	53.9	80.1	65.4	42.7					
7-year	81.7	65.3	69.5	42.9	68.9	26.9	44.5	35.2	46.5	44.1	41.6	57.0	65.4						
8-year	81.7	59.0	60.8	42.9	68.9	22.1	44.5	35.2	46.5	44.1	41.6	30.4							
9-year	81.7	56.4	58.8	42.9	68.9	22.1	40.5	30.7	38.8	44.1	34.7								
11-year	81.7	50.9	50.7	38.9	68.9	22.1	40.5	30.7	33.9	44.1									
10-year	81.7	48.5	43.9	33.9	68.9	22.1	40.5	30.7	26.7										
12-year	81.7	48.5	35.9	33.9	68.9	22.1	33.5	30.7											
13-year	81.7	48.5	31.1	33.9	68.9	22.1	33.5												
14-year	81.7	48.5	21.5	33.9	68.9	22.1													
15-year	81.7	48.5	17.6	13.5	68.9														
16-year	81.7	48.5	17.6	13.5															
17-year	81.7	37.6	16.0																
18-year	81.7	21.2																	
19-year	81.7	21.2																	
20-year	81.7	21.2																	

<sup>a</sup>

Survival rates are relative rates expressed as percents.

<sup>b</sup>

Rates are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).

Table 10.11  
Kaposi Sarcoma

SEER Incidence  
Age-Adjusted Rates and Trends<sup>a</sup>  
By Race/Ethnicity and Sex

SEER Incidence	SEER 17 Areas <sup>b</sup>			SEER 13 Areas <sup>b</sup>			SEER 9 Areas <sup>b</sup>		
	Rate 2002-2006			Trend 1997-2006 <sup>c</sup>			Trend 1997-2006 <sup>d</sup>		
	Rate per 100,000 persons			AAPC (%)			AAPC (%)		
RACE/ETHNICITY	Total	Males	Females	Total	Males	Females	Total	Males	Females
All Races	0.6	1.2	0.1	-7.9*	-7.8*	-6.7*	-7.7*	-7.8*	-6.1*
White	0.6	1.1	0.1	-8.1*	-8.1*	-	-8.4*	-8.6*	-5.5*
White Hispanic <sup>e</sup>	0.9	1.7	0.2	-7.9*	-6.9*	-	-	-	-
White Non-Hispanic <sup>e</sup>	0.5	0.9	0.1	-8.3*	-8.5*	-	-	-	-
Black	1.3	2.5	0.2	-7.4*	-7.3*	-	-6.6*	-6.4*	-
Asian/Pacific Islander	0.2	0.4	-	-	-	-	-	-	-
Amer Ind/Alaska Nat <sup>f</sup>	-	-	-	-	-	-	-	-	-
Hispanic <sup>e</sup>	0.9	1.8	0.2	-7.8*	-6.7*	-	-	-	-

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, Louisiana and New Jersey.

c 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.

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

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

Table 10.12  
Kaposi Sarcoma

Age-Adjusted SEER Incidence Rates<sup>a</sup>  
By Registry, Race and Sex

	All Races			Whites			Blacks		
	Total	Males	Females	Total	Males	Females	Total	Males	Females
<u>SEER Incidence Rates<sup>a</sup>, 2002-2006</u>									
Atlanta & Rural Georgia	1.37	2.70	-	0.94	1.77	-	2.07	4.44	-
Atlanta	1.40	2.75	-	0.95	1.78	-	2.14	4.60	-
Rural Georgia	-	-	-	-	-	-	-	-	-
California	0.77	1.46	0.11	0.76	1.43	0.09	1.41	2.61	0.28
Greater Bay Area	0.97	1.84	0.12	1.08	2.03	-	2.06	3.78	-
San Francisco-Oakland	1.28	2.44	0.16	1.44	2.74	-	2.21	4.15	-
San Jose-Monterey	0.41	0.77	-	0.46	0.84	-	-	-	-
Los Angeles	1.11	2.19	0.10	1.17	2.27	0.10	1.28	2.67	-
Greater California	0.52	0.95	0.10	0.47	0.87	0.08	1.30	2.14	-
Connecticut	0.40	0.71	0.14	0.33	0.58	-	1.03	-	-
Detroit	0.46	0.86	-	0.27	0.46	-	0.85	1.82	-
Hawaii	0.40	0.73	-	1.12	1.93	-	-	-	-
Iowa	0.12	0.23	-	-	-	-	-	-	-
Kentucky	0.22	0.43	-	0.21	0.40	-	-	-	-
Louisiana	0.55	0.96	0.17	0.45	0.78	-	0.74	1.35	-
New Jersey	0.56	1.09	0.12	0.43	0.84	0.11	1.25	2.51	-
New Mexico	0.39	0.78	-	0.42	0.82	-	-	-	-
Seattle-Puget Sound	0.50	0.95	-	0.46	0.89	-	-	-	-
Utah	0.24	0.42	-	0.24	0.43	-	-	-	-
9 SEER Areas <sup>b</sup>	0.65	1.25	0.09	0.54	1.02	0.08	1.57	3.18	-
11 SEER Areas <sup>b</sup>	0.75	1.44	0.09	0.68	1.30	0.08	1.50	3.05	0.15
13 SEER Areas <sup>b</sup>	0.74	1.43	0.09	0.68	1.30	0.08	1.48	3.01	0.15
17 SEER Areas <sup>b</sup>	0.63	1.20	0.10	0.56	1.06	0.09	1.27	2.49	0.18

<sup>a</sup> 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.

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.

Table 10.13  
Kaposi SarcomaEstimated United States Cancer Prevalence Counts<sup>a</sup> on January 1, 2006  
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	25 to <30	0 to <16 <sup>e</sup>	0 to <31 <sup>e</sup>	>=31 <sup>g</sup>	Complete <sup>h</sup>
<u>Race</u>	<u>Sex</u>										
All Races <sup>b</sup>	Both Sexes	6,695	6,311	5,712	1,642	545	231	19,214	21,168	+	+
	Males	6,215	5,970	5,428	1,578	511	115	18,087	19,850	+	+
	Females	480	341	284	64	34	116	1,127	1,318	+	+
White <sup>b</sup>	Both Sexes	4,701	4,681	4,824	1,351	447	172	14,600	16,208	+	+
	Males	4,338	4,457	4,599	1,310	424	79	13,789	15,240	+	+
	Females	363	224	225	41	23	93	811	968	+	+
Black <sup>b</sup>	Both Sexes	1,662	1,254	601	112	52	12	3,541	3,694	+	+
	Males	1,563	1,181	542	112	52	12	3,310	3,463	+	+
	Females	99	73	59	0	0	0	231	231	+	+
Asian/ Pacific Islander <sup>c</sup>	Both Sexes	105	83	48	+	+	+	238	+	+	+
	Males	100	80	48	+	+	+	230	+	+	+
	Females	5	3	0	+	+	+	8	+	+	+
Hispanic <sup>d</sup>	Both Sexes	1,235	1,094	871	+	+	+	3,254	+	+	+
	Males	1,169	1,050	837	+	+	+	3,105	+	+	+
	Females	66	44	34	+	+	+	149	+	+	+

Estimated prevalence percent<sup>a</sup> on January 1, 2006, of the SEER 11 population diagnosed in the previous 16 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</u>	<u>Sex</u>											
All Races <sup>c</sup>	Both Sexes	0.0074%	-	-	0.0008%	0.0080%	0.0197%	0.0132%	0.0070%	0.0078%	0.0136%	0.0073%
	Males	0.0142%	-	-	0.0014%	0.0156%	0.0389%	0.0265%	0.0136%	0.0149%	0.0259%	0.0143%
	Females	0.0007%	-	-	-	0.0002%	0.0006%	0.0004%	0.0012%	0.0023%	0.0067%	0.0006%
White <sup>c</sup>	Both Sexes	0.0074%	-	-	0.0006%	0.0070%	0.0201%	0.0132%	0.0072%	0.0085%	0.0139%	0.0072%
	Males	0.0141%	-	-	0.0011%	0.0134%	0.0390%	0.0263%	0.0136%	0.0158%	0.0266%	0.0140%
	Females	0.0007%	-	-	-	-	0.0005%	0.0003%	0.0012%	0.0028%	0.0070%	0.0006%
Black <sup>c</sup>	Both Sexes	0.0098%	-	-	0.0019%	0.0187%	0.0272%	0.0160%	0.0085%	0.0045%	0.0111%	0.0103%
	Males	0.0197%	-	-	0.0036%	0.0397%	0.0567%	0.0335%	0.0177%	0.0097%	-	0.0212%
	Females	0.0009%	-	-	-	-	0.0013%	-	-	-	0.0115%	0.0010%
Asian/ Pacific Islander <sup>c</sup>	Both Sexes	0.0018%	-	-	-	0.0014%	0.0033%	0.0045%	0.0023%	0.0026%	0.0044%	0.0017%
	Males	0.0035%	-	-	-	0.0029%	0.0067%	0.0096%	0.0044%	0.0060%	0.0091%	0.0036%
	Females	-	-	-	-	-	-	-	-	-	-	-
Hispanic <sup>d</sup>	Both Sexes	0.0075%	-	-	0.0009%	0.0108%	0.0233%	0.0148%	0.0114%	0.0145%	0.0387%	0.0101%
	Males	0.0139%	-	-	0.0017%	0.0199%	0.0449%	0.0298%	0.0218%	0.0297%	0.0702%	0.0193%
	Females	0.0007%	-	-	-	-	-	-	0.0026%	-	0.0204%	0.0012%

<sup>a</sup> 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.

<sup>b c d</sup> Statistics based on (b) SEER 9 Areas (c) SEER 11 Areas and Rural Georgia (d) NHIA for Hispanic for SEER 11 Areas and Rural Georgia.

<sup>e</sup> 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).

<sup>f</sup> Percentages are age-adjusted to the 2000 US Standard Population (19 age groups - Census P25-1130) by 5-year age groups.

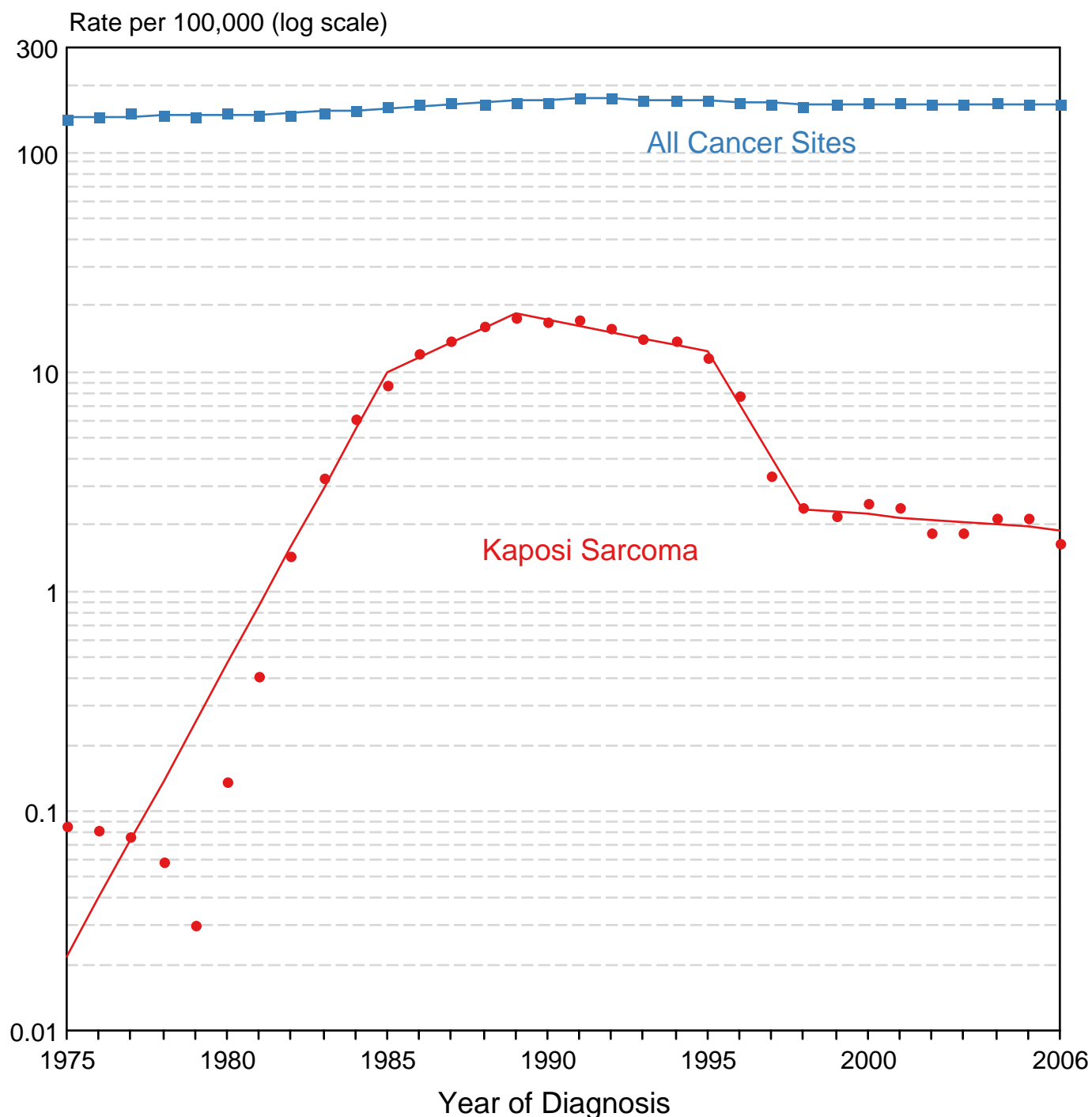
<sup>g h i</sup> (g) Cases diagnosed more than 31 years ago were estimated using the completeness index method (Capocaccia et. al. 1997, Merrill et. al. 2000). (h) Complete prevalence is obtained by summing 0 to <31 and >=31. (i) Age-specific completeness index was approximated using empirical data from historical Connecticut tumor registry.

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

+ Not available.

Figure 10.1

# All Cancer Sites vs Kaposi Sarcoma SEER Incidence Rates, 1975-2006 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 3.3.1, April 2008, National Cancer Institute.

All SEER excluding San Francisco/Oakland Males, Ages 20-54 1975-2006

San Francisco/Oakland Males, Ages 20-54 1975-2006

San Francisco County/City Males, Ages 20-54 1975-2006

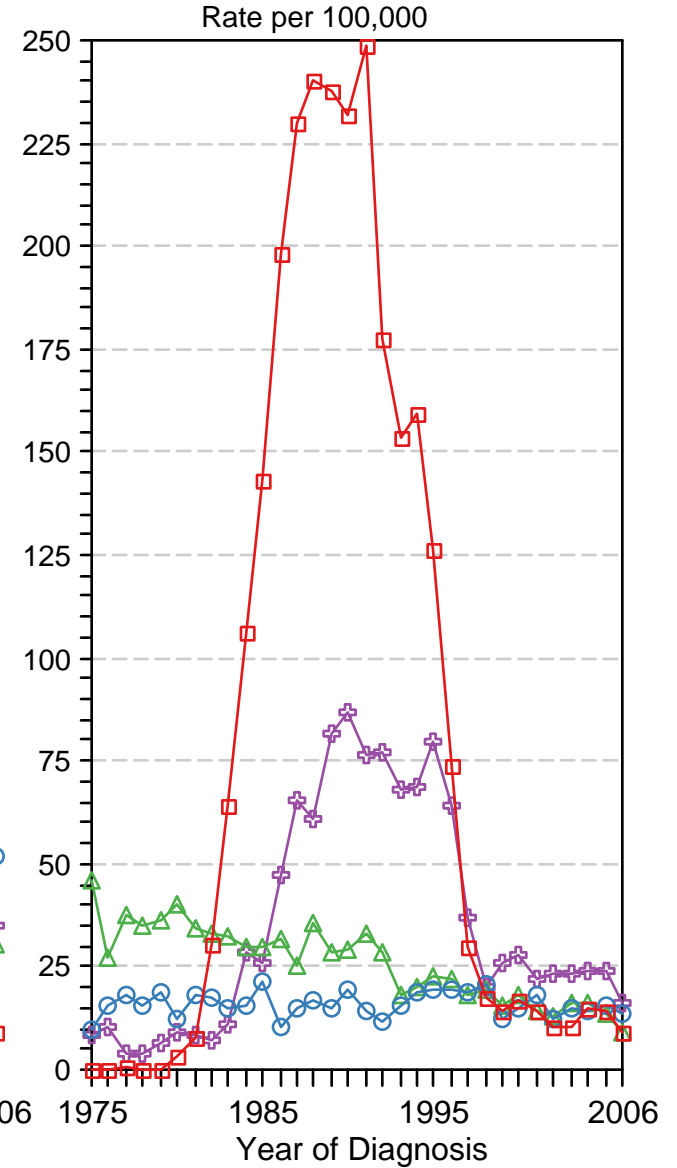
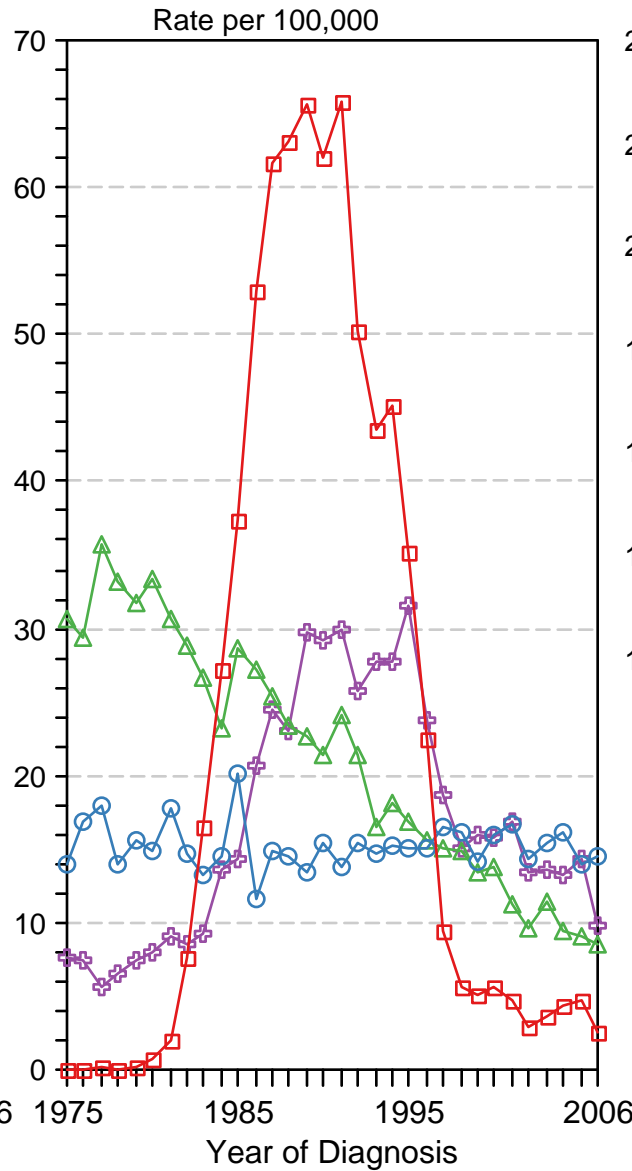
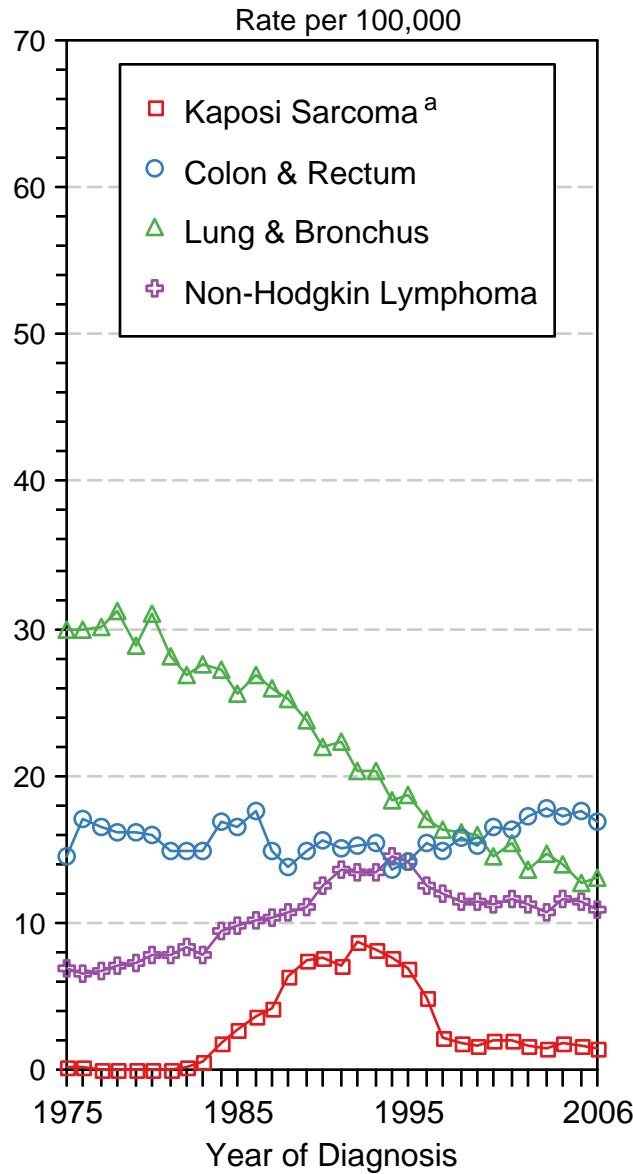


Figure 10.2

Source: SEER 9 areas. Rates are age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1103).

<sup>a</sup> Kaposi Sarcoma excluded from Colon & Rectum, Lung & Bronchus, and Non-Hodgkin Lymphoma.