

## **Chapter 8**



# **Hodgkin's Disease**

## Hodgkin's Disease

### Incidence and Mortality by Sex and Year

#### West Virginia Residents 1993 – 2001

Year	Male				Female				Total			
	New Cases	Incid. Rate	Deaths	Mort. Rate	New Cases	Incid. Rate	Deaths	Mort. Rate	New Cases	Incid. Rate	Deaths	Mort. Rate
1993	42	4.5	7	0.8	23	2.2	8	0.7	65	3.4	15	0.7
1994	29	3.2	~	0.9	18	1.8	~	0.3	47	2.5	11	0.6
1995	20	2.2	8	0.9	24	2.4	4	0.4	44	2.3	12	0.6
1996	34	3.8	5	0.5	22	2.3	7	0.6	56	3.0	12	0.6
1997	32	3.5	4	0.4	33	3.2	6	0.5	65	3.4	10	0.5
1998	23	2.6	~	0.2	25	2.4	~	0.6	48	2.5	7	0.4
1999	31	3.4	~	0.1	30	3.1	~	0.3	61	3.3	4	0.2
2000	27	3.0	~	0.2	19	2.0	~	0.3	46	2.5	6	0.3
2001	28	3.1	~	0.2	26	2.6	~	0.2	54	2.9	5	0.2

~ Suppressed due to small cell size

Rates are per 100,000 West Virginia residents and are age-adjusted to the 2000 U.S. standard population.

**Table 8.1**

### Overview

- Although Hodgkin's disease occurs in all age groups, it tends to have two peaks of increased incidence. In the 1997-2001 West Virginia data, these were seen among the 15-24-year-old age group and again in the 65-and-older age group (Figure 8.3).
- While any cancer is a rare occurrence in teens and young adults, Hodgkin's disease was the most commonly diagnosed cancer among males 15-24 years of age and the second most commonly diagnosed cancer among females 15-24 years of age in West Virginia in 1997-2001 (Table 1.2).
- Mortality rates for Hodgkin's disease were much lower than incidence rates, reflecting the development of effective treatment regimens in the last several years (Figures 8.1 and 8.2).

### Risk Factors

- Risk factors for this disease are largely unknown.
- Some evidence suggests a possible genetic risk factor for this disease.

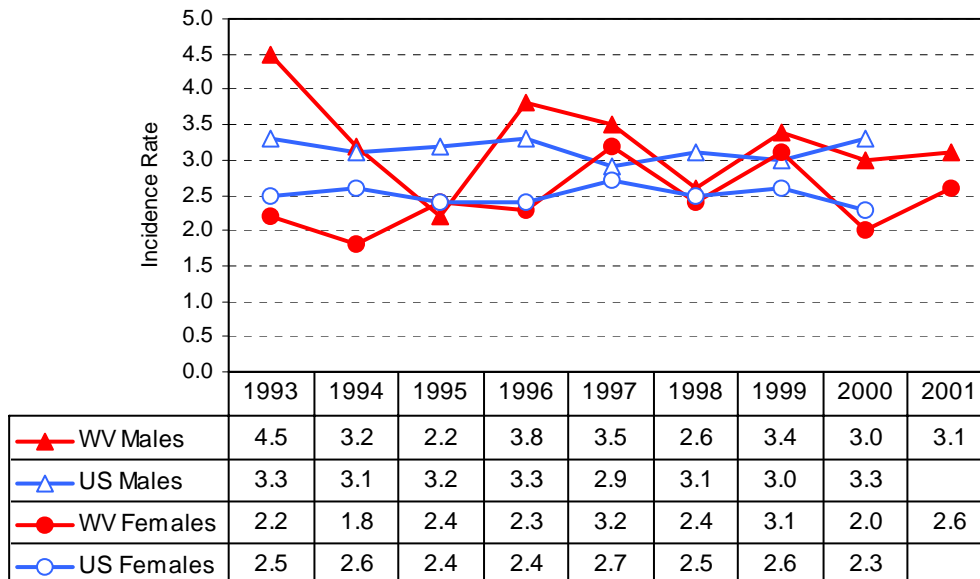
### Prevention

- No adequately effective methods of prevention or screening for Hodgkin's disease are currently available.

## Hodgkin's Disease

### Incidence Rates\*, Age-Adjusted

West Virginia Residents 1993 – 2001, U.S. Residents 1993 – 2000



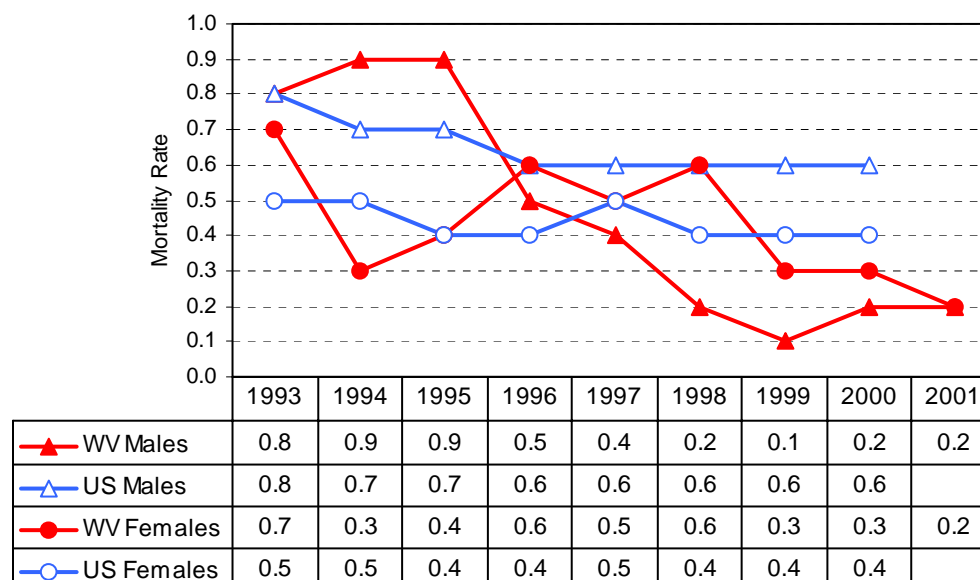
**Figure 8.1**

\* Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population.  
U.S. rates are from SEER (Ries et al., 2003).

## Hodgkin's Disease

### Mortality Rates\*, Age-Adjusted

West Virginia Residents 1993 – 2001, U.S. Residents 1993 – 2000

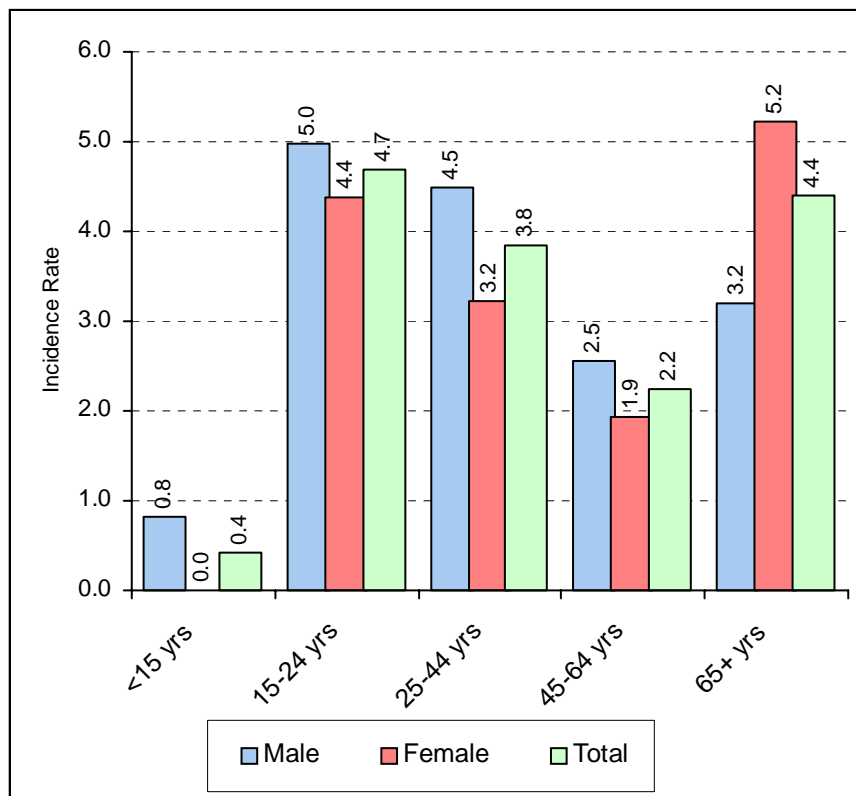


**Figure 8.2**

\* Rates are per 100,000 and are age-adjusted to the 2000 U.S. standard population.  
U.S. rates are from SEER (Ries et al., 2003).

## Hodgkin's Disease

### Incidence Rates\*, Age-Specific West Virginia Residents 1997 – 2001



**Figure 8.3**

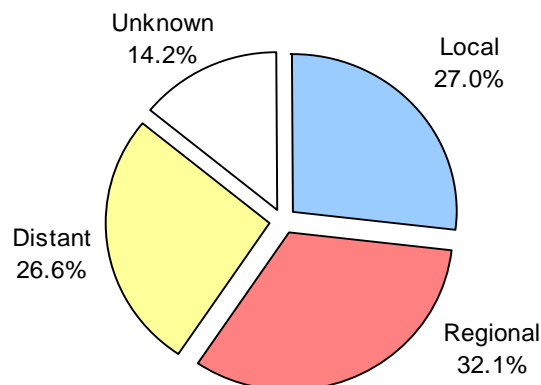
\*Five-year average annual rate per 100,000 West Virginia residents

### Hodgkin's Disease Most Frequent Histologies West Virginia Residents 1997 – 2001

ICD-O Code	Histology	% of Inva-sive Cases
9663	Nodular Sclerosis, NOS	44.2
9650	Hodgkin's Disease, NOS	19.3
9652	Mixed Cellularity, NOS	16.4
9651	Hodgkin's Disease, Lymphocyte-Rich	6.9
9665	Nodular Sclerosis, Grade 1	4.0

**Table 8.2**

### Hodgkin's Disease Stage of Disease at Diagnosis West Virginia Residents 1997 – 2001

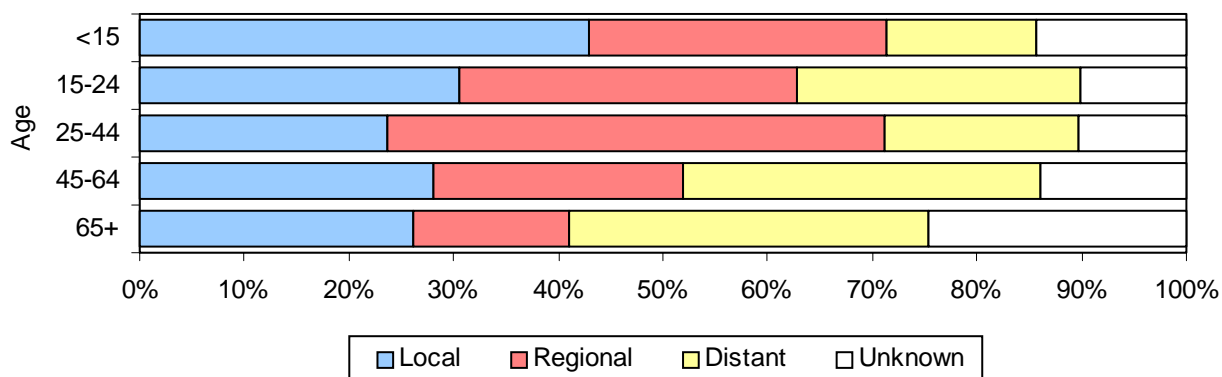


**Figure 8.4**

## Hodgkin's Disease

### Stage of Disease at Diagnosis by Age

West Virginia Residents 1997 – 2001



Age	In Situ		Local		Regional		Distant		Unknown		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
<15	N/A		~		~		~		~		7	100.0%
15-24	N/A		~		~		~		~		59	100.0%
25-44	N/A		23	23.7%	46	47.4%	18	18.6%	10	10.3%	97	100.0%
45-64	N/A		14	28.0%	12	24.0%	17	34.0%	7	14.0%	50	100.0%
65+	N/A		16	26.2%	9	14.8%	21	34.4%	15	24.6%	61	100.0%
Total	N/A		74	27.0%	88	32.1%	73	26.6%	39	14.2%	274	100.0%

~ Suppressed due to small cell size

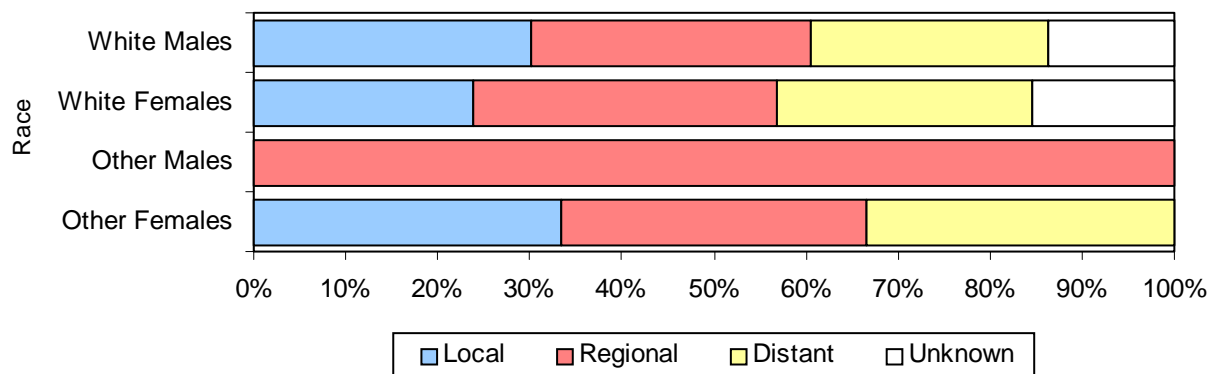
Total may not add to 100% due to rounding.

**Figure 8.5**

## Hodgkin's Disease

### Stage of Disease at Diagnosis by Race and Sex

West Virginia Residents 1997 – 2001



Race/Sex	In Situ		Local		Regional		Distant		Unknown		Total	
	#	%	#	%	#	%	#	%	#	%	#	%
White Males	N/A		42	30.2%	42	30.2%	36	25.9%	19	13.7%	139	100.0%
White Females	N/A		31	23.8%	43	33.1%	36	27.7%	20	15.4%	130	100.0%
Other Males	N/A		~		~		~		0	0.0%	~	100.0%
Other Females	N/A		~		~		~		0	0.0%	~	100.0%
Total	N/A		74	27.0%	88	32.1%	73	26.6%	39	14.2%	274	100.0%

~ Suppressed due to small cell size

Total may not add to 100% due to rounding.

**Figure 8.6**