

## Cancer in Utah

# Hodgkin's Lymphoma

<i>Summary</i>	Male		Female	
	Utah 1996-2000	US 1996-99	Utah 1996-2000	US 1996-99
Average annual age-adjusted incidence rates*	2.8	3.1	2.0	2.6
Rank among cancer incidence rates	<20	<20	20	19
Average annual number of new cases	28	4,050	21	3,590
Percent of all new cancer cases	0.9 %	0.7 %	0.7 %	0.6 %
Lifetime risk of this cancer (00-79 years)	1 in 414	1 in 385	1 in 658	1 in 478
Average annual age-adjusted mortality rates*	0.6	0.6	0.3	0.4
Rank among cancer mortality rates	<20	<20	<20	<20
Average annual number of deaths	4	769	2	622
Percent of all cancer deaths	0.4 %	0.3 %	0.2 %	0.2 %
* Rates per 100,000 and standardized to the 2000 U.S. population				

The first case reports of Hodgkin's lymphoma are attributed to the British physician, Thomas Hodgkin, who presented his observations in 1832. Prior to the mid-twentieth century, the disease was highly fatal. Subsequent advances in treatment dramatically improved the chances of survival for patients with this disease. Although rare, Hodgkin's lymphoma is still one of the most common cancers diagnosed in children and young adults.

A distinct epidemiologic characteristic of Hodgkin's lymphoma in the United States is the bimodal pattern in the age-specific incidence curve. The first peak occurs in young adults in their twenties, and the second in those over 65 years of age. Males are generally at greater risk than females, with the largest gender differences in childhood and in those over the age of 30 years. Incidence rates in the United States have changed little since 1981.

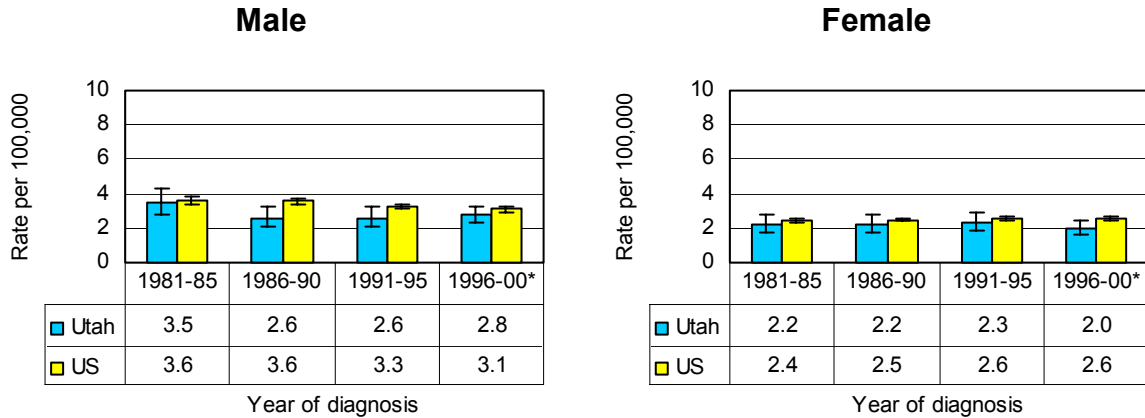
Much attention has been focused on the possibility of an infectious etiologic agent for Hodgkin's lymphoma. In the early 1970's, two studies reported geographic clusters of this disease in Albany and Long Island, New York. However, subsequent studies were unable to replicate the results of the original investigations. Epstein-Barr virus (EBC), the etiologic agent of heterophil-positive infectious mononucleosis, has been associated with a two-to-three fold increase in risk of Hodgkin's lymphoma, and it has been theorized that an infection by this virus after early childhood is of particular etiologic importance. Nonetheless, the roll of infectious agents in the development of Hodgkin's lymphoma remains unclear.

Occupations that have been associated with an increased risk of Hodgkin's lymphoma include chemists, teachers, and workers with exposure to wood and wood products. Results from the occupational studies are not consistent, however, and should be interpreted with caution. A predisposition for Hodgkin's lymphoma has been observed among individuals with rare inherited immunological disorders, suggesting a genetic etiology in a small number of cases. In addition, patients with primary immunodeficiency syndromes have an increased risk of various lymphoreticular neoplasms, including Hodgkin's lymphoma.

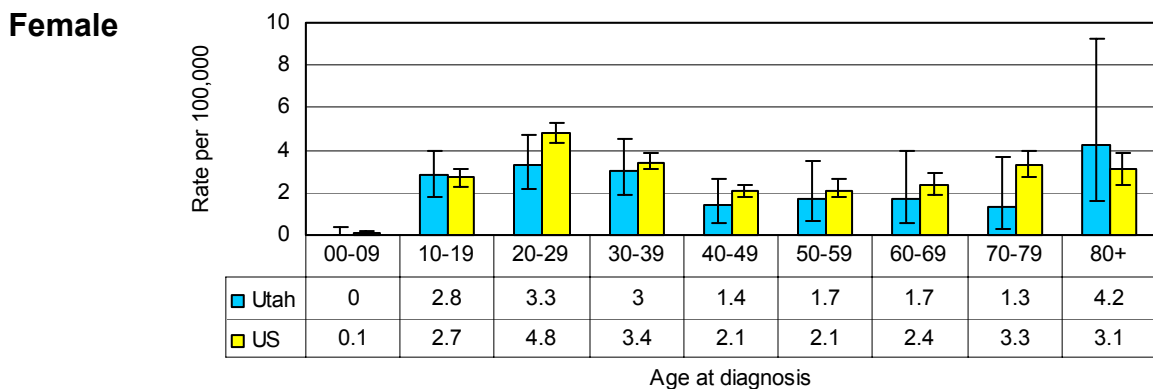
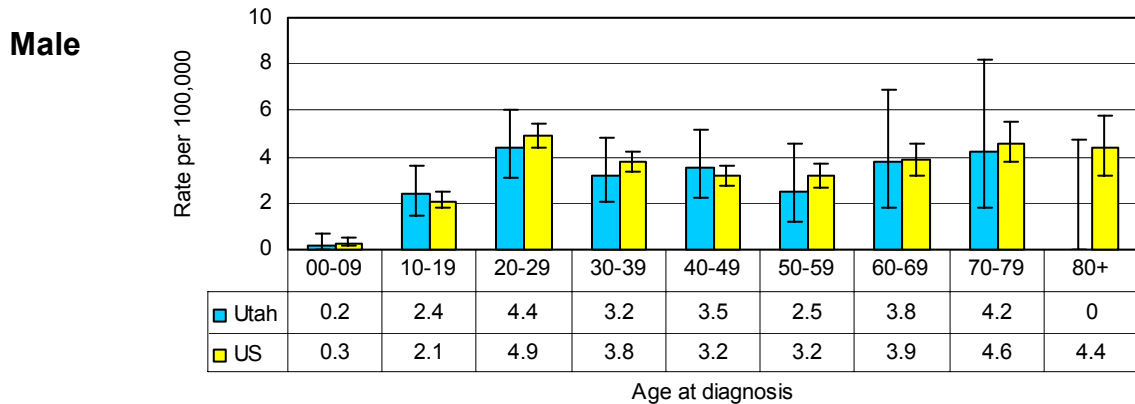
## Cancer in Utah

<b>Hodgkin's Lymphoma</b>	<b>Incidence</b>
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Average annual age-adjusted incidence rates per 100,000 (US 2000 standard) by 5-year time period and sex, 1981-2000



Average annual age-specific incidence rates per 100,000 by sex, 1996-2000

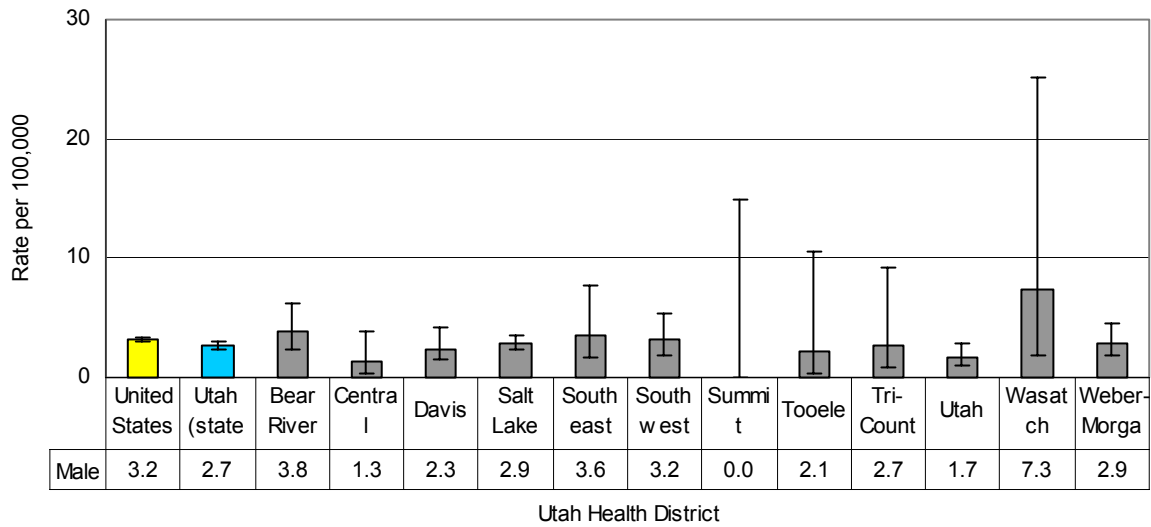


## Cancer in Utah

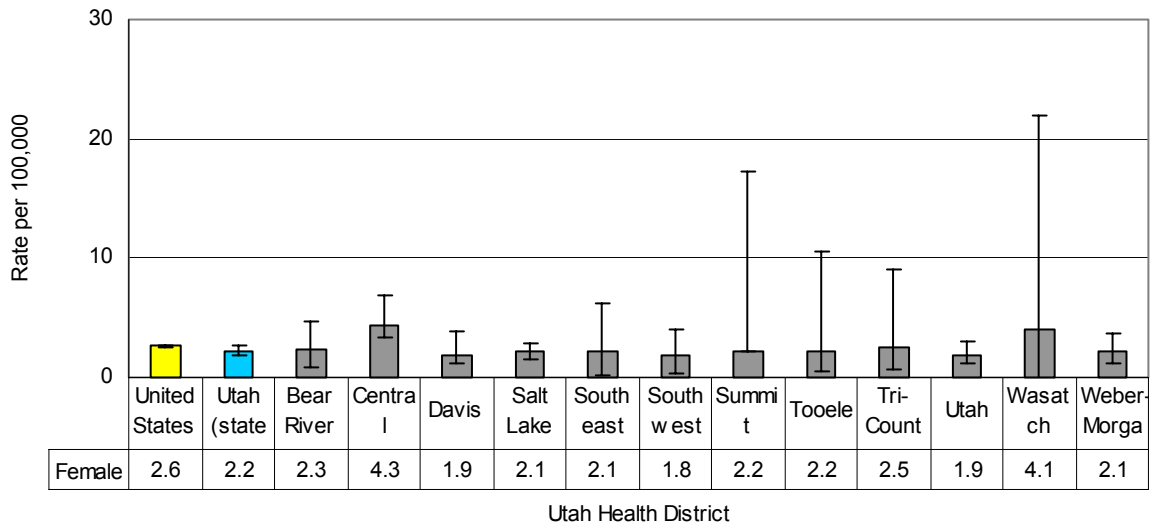
<b>Hodgkin's Lymphoma</b>	<b>Incidence</b>
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Average annual age-adjusted incidence rates per 100,000 (US 2000 standard) for twelve Utah Health Districts, by sex, for the time period 1991-2000, with rates from Utah (statewide) and the United States for comparison

### Male



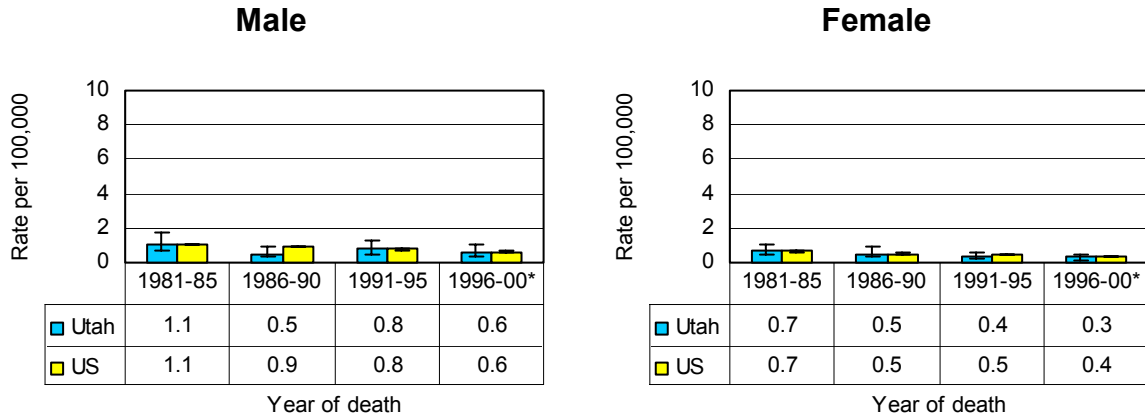
### Female



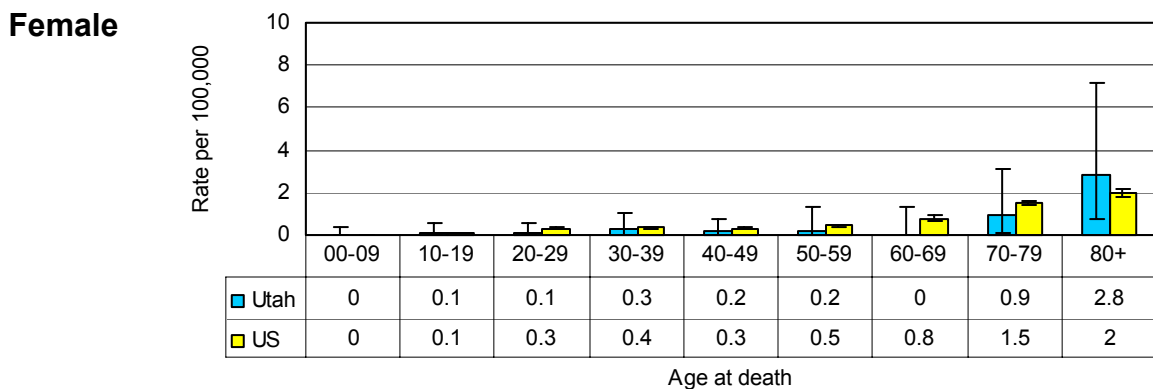
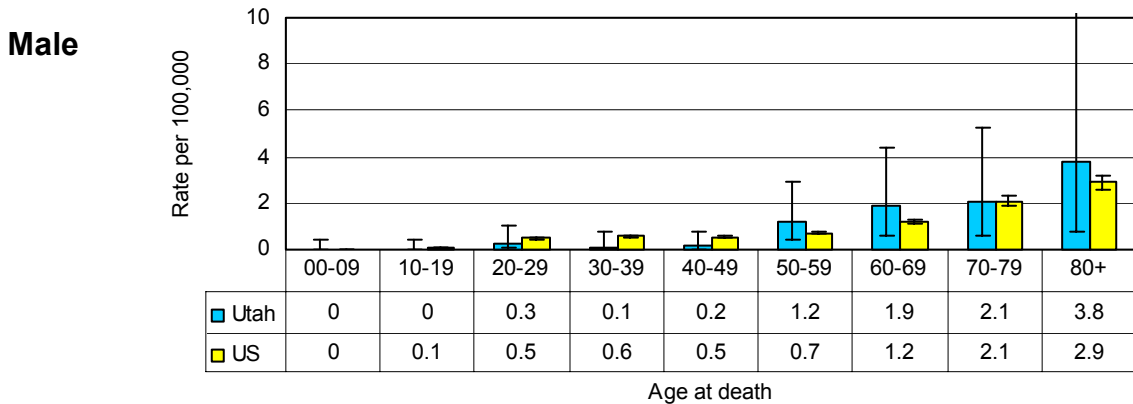
## Cancer in Utah

<b>Hodgkin's Lymphoma</b>	<b>Mortality</b>
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Average annual age-adjusted mortality rates per 100,000 (US 2000 standard) by 5-year time period and sex, 1981-2000



Average annual age-specific mortality rates per 100,000 by sex, 1996-2000

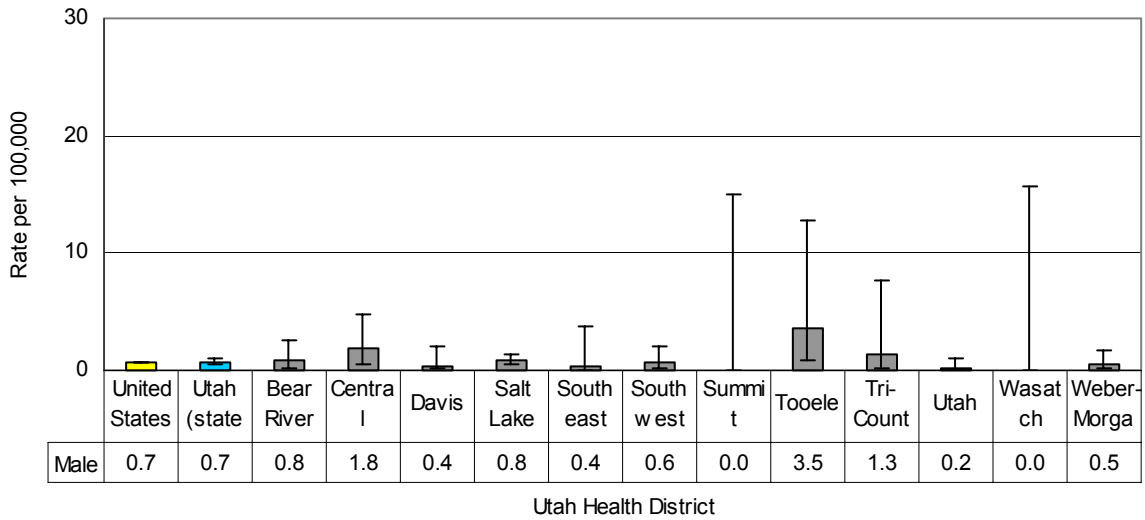


## Cancer in Utah

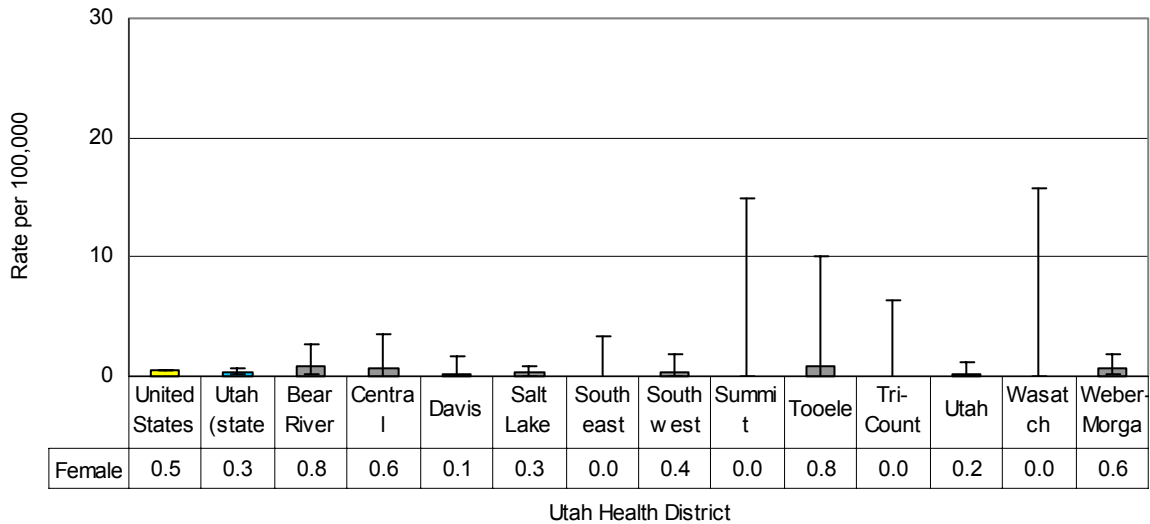
<b>Hodgkin's Lymphoma</b>	<b>Mortality</b>
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Average annual age-adjusted mortality rates per 100,000 (US 2000 standard) for twelve Utah Health Districts, by sex, for the time period 1991-2000, with rates from Utah (statewide) and the United States for comparison

### Male



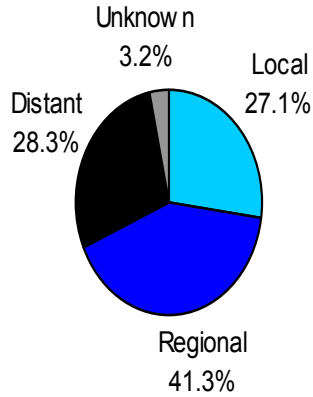
### Female



# Cancer in Utah

## Hodgkin's lymphoma *Stage and Survival*

Stage of disease at diagnosis:  
Utah residents diagnosed 1996-2000



5-year relative survival by stage:  
Utah residents diagnosed 1991-95

