EPIDEMIOLOGY OF ASTHMA IN CONNECTICUT

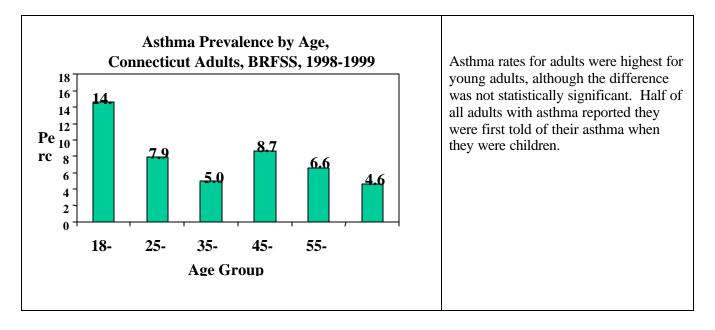
The Connecticut Department of Public Health is tracking asthma in the state in a number of ways. Key data sources include the Behavioral Risk Factor Surveillance System (BRFSS), hospital admission and emergency room data, and the Department's vital records. Each data source provides a different piece of information about the burden of asthma in Connecticut. Through disease surveillance we can determine the burden of disease within a population, by answering questions like How many? How severe? How well managed? Who's at greatest risk? and What are the costs? Surveillance of asthma, particularly among children, is critical to helping focus asthma intervention activities and public health programs.

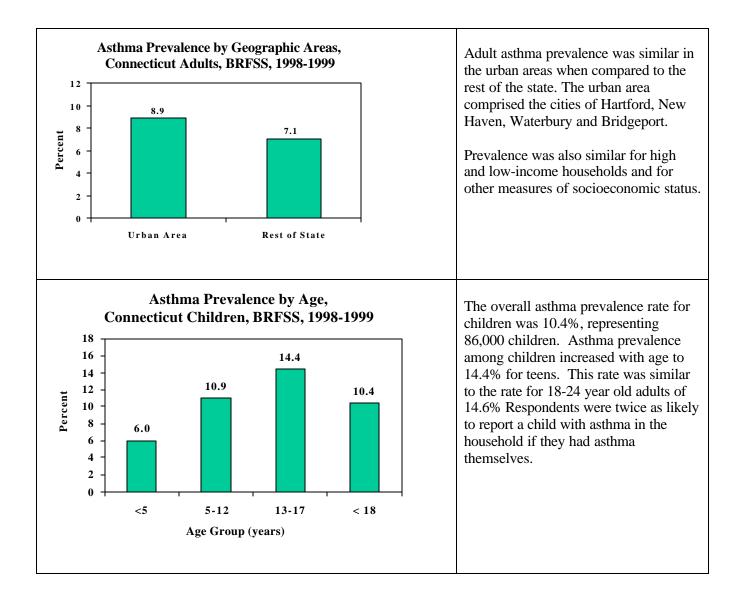
Asthma Prevalence

The BRFSS is a statewide telephone survey that is coordinated by the Centers for Disease Control and Prevention (CDC) and is conducted in all 50 states. Interviews of randomly selected adults are conducted throughout the year and combined and adjusted by CDC to be representative of all adults in the state. All states ask the same core questions but are free to add questions on topics of local interest. In 1998 and 1999 Connecticut included questions to find out how many household members, including children, had been told by a physician that they had asthma.

Key findings:

- An estimated 7.3% of Connecticut adults (180,000) have asthma. The rate is substantially higher for women (9.1%) than men (5.4%)
- An estimated 10.4% of Connecticut children under the age of 18 have asthma (86,000).
- Hispanic and black children had slightly higher rates of asthma than white children. However, asthma rates among adults were similar for whites, blacks and Hispanics.





Hospital Admissions and Emergency Room Data

In addition to using the BRFSS to learn more about the number of people in Connecticut with asthma, the CT DPH evaluates the hospital admission and emergency room data for children age 0-14 with asthma. Hospitalization and emergency room data only provide information on people who have accessed hospitals for care. These statistics represent only the most severe cases or those who may use hospitals for their care. Despite these limitations, these data can be very helpful in identifying children whose asthma may not be well controlled. This can help target interventions or programs that can help these children and their families better control their asthma.

Each year in Connecticut there are approximately 1400 hospital admissions and 6,000 emergency room visits with a primary diagnosis of asthma in children less than 15 years of age. According to data from CT Office of Health Care Access, the median charge per hospital admission is approximately \$3,085.

