Indoor Environments Division
Office of Air and Radiation (6609J)

ASTHMA FACTS

Asthma is a rapidly growing public health problem. According to the Centers for Disease Control and Prevention:

- About 23 million people, including 6.8 million children, have asthma. ¹
 - * Asthma prevalence is higher among families with lower incomes.
- 12 million people report having an asthma attack in the past year. ²
- Asthma accounts for nearly 17 million physician office and hospital visits, ³ and nearly 2 million emergency department visits each year. ²
- African Americans continue to have higher rates of asthma emergency department visits, hospitalizations, and deaths than do Caucasians:
 - * The rate of emergency department visits is 350% higher. ²
 - * The hospitalization rate is 240% higher. ²
 - * The asthma death rate is 200% higher. ²
- Approximately 2 million Hispanics in the U.S. have asthma and Puerto Ricans are disproportionately impacted:
 - The rate of asthma among Puerto Ricans is 125% higher than non-Hispanic white people and 80% higher than non-Hispanic black people. ²
 - The prevalence of asthma attacks is highest among Puerto Ricans. ²

Asthma in Children:

- Asthma is one of the most common serious chronic diseases of childhood.
- Asthma is the third-ranking cause of hospitalization among children under 15.⁴
- Asthma in children is the cause of seven million physician visits and nearly 200,000 hospitalizations.
- An average of one out of every 10 school-aged child has asthma.
- 13 million school days are missed each year due to asthma. ⁶

The Cost of Asthma:

• Annual expenditures for health and lost productivity due to asthma are estimated at nearly \$20 billion, according to the National Heart Lung and Blood Institute. ⁷



ASTHMA FACTS

Asthma and the Environment

Research by EPA and others has shown that:

- Dust mites, molds, cockroaches, pet dander, and secondhand smoke trigger asthma attacks.
- Exposure to secondhand smoke can cause asthma in pre-school aged children.
- Exposure to dust mites can cause asthma.
- Ozone and particle pollution can cause asthma attacks.
 - * When ozone levels are high, more people with asthma have attacks that require a doctor's attention.
 - * Ozone makes people more sensitive to asthma triggers such as pet dander, pollen, dust mites, and mold.

Learn more at www.epa.gov/asthma

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