

Summary of Vaccine Preventable Diseases in Colorado - 2003

DIPHTHERIA

The last diphtheria case in CO was reported in 1985. Diphtheria continues to occur in many parts of the world.

Haemophilus influenzae (H. flu)

Invasive disease due to *H. flu* type b (Hib) has almost disappeared in the United States since the introduction of Hib vaccine. In 2003, only 1 of 39 *H. flu* cases reported in CO was Hib (an 86-year-old).

HEPATITIS A

59 hepatitis A cases were reported in CO during 2003, which is an 18% decrease from the 75 cases reported in 2002. Numbers of cases have been steadily declining since 1993. The age groups having the highest rate of hepatitis A in 2003 were children 5-9 years of age (2.6/100,000) and adults 20-29 years of age (2.6/100,000).

HEPATITIS B (Acute)

80 acute hepatitis B cases were reported in CO during 2003. The 5-year annual average (1998-2002) is 95 cases.

MEASLES

Only 2 measles cases were reported in CO from 1997 - 2003. The 2 cases were reported in 2000 and were linked to measles importation. Measles outbreaks occurred in Colorado 1988-1990 (1988/115 cases, 1989/101 cases & 1990/138 cases).

MUMPS

Only 1 mumps case was reported in CO during 2003, the case was imported. The 5-year annual average (1998-2002) is less than 4 cases. The last mumps outbreak was in 1991 when 136 mumps cases were reported.

PERTUSSIS

368 pertussis cases were reported in CO during 2003. The age groups having the highest rate of pertussis in 2003 were infants < 1 year of age (67.9/100,000) and children 10-14 years of age (29.8/100,000). The majority of cases in the < 1 year-old age group (89%) were under 7 months of age and, therefore, too young to receive the minimum of three doses of pertussis vaccine needed for protection. During 2000, 488 cases were reported - the highest number of reported cases since 1963 (2004 is projected to exceed 2000). There were no pertussis deaths in 2001 - 2003. Two infants died from pertussis in 2000. The 5-year annual average (1998-2002) for pertussis is 402 cases.

PNEUMOCOCCAL DISEASE

365 cases of invasive pneumococcal disease were reported in CO during 2003. 57 of these cases were children less than 5 years of age. The age groups having the highest rate of pneumococcal disease in 2003 were adults ≥ 60 years of age (36.4/100,000) and infants < 1 year of age (36.0/100,000). Pneumococcal disease cases in children < 5 years of age in the Denver Metro area have decreased 63% from fiscal year 2000 to fiscal year 2003 (7/1/00-6/30/04).

POLIO

The last case of polio caused by wild virus in the United States was in 1979. In 1994, the World Health Organization certified the Western Hemisphere as free of wild poliovirus. Polio is still endemic in 6 countries (Afghanistan, Egypt, India, Niger, Nigeria, and Pakistan).

RUBELLA

1 rubella case was reported in CO during 2003. During the previous 5 years (1998-2002), only 2 rubella cases were reported (1999 & 2001). During the past 10 years (1994-2003), only 1 case of congenital rubella syndrome was reported (1999).

TETANUS

No tetanus cases were reported in CO during 2003. In CO, the 10-year annual average (1993-2002) for tetanus was less than one case per year.

VARICELLA (CHICKENPOX)

Varicella became a reportable condition in Colorado on January 30, 2004. Varicella-related hospitalizations declined 77% from 1998 to 2003. Hospitalization rates are highest in the less than 1-year-old age group.