



Jim Doyle  
Governor

1 WEST WILSON STREET  
P O BOX 2659  
MADISON WI 53701-2659

Helene Nelson  
Secretary

**State of Wisconsin**  
Department of Health and Family Services

608-266-1251  
FAX: 608-267-2832  
dhfs.wisconsin.gov

May 24, 2006

To: Local Health Department Directors  
Infection Control Professionals  
Physicians and other health care professionals

From: Jeffrey P. Davis, M.D. *Jeffrey P. Davis, M.D.*  
Chief Medical Officer and State Epidemiologist  
for Communicable Diseases and Preparedness

Subject: Multi-state Mumps Outbreak

To date over 3,400 mumps cases have been reported to the Centers for Disease Control and Prevention (CDC) from 12 outbreak-affected states including Wisconsin. Of these, 1,824 confirmed, probable and suspect cases have been reported from Iowa. In Wisconsin, 502 confirmed and probable cases of mumps have been reported to the Wisconsin Division of Public Health.

The age range of reported cases in the multi-state outbreak range from <1 to >90 years of age. However, the predominant age group affected in most states where cases are occurring is 18-24 years of age. The majority of cases reported are in recipients of 2-doses of measles-mumps-rubella (MMR) vaccine. This is to be expected in populations with high two-dose MMR vaccine coverage. Two doses of MMR vaccine confers immunity to approximately 90% of recipients while one dose confers immunity to approximately 80% of recipients.

The clinical definition of mumps as defined by the Council of State and Territorial Epidemiologists and the CDC is "An illness with acute onset of unilateral or bilateral tender self-limited swelling of the parotid or other salivary gland, lasting  $\geq 2$  days, and without other apparent cause." All suspect and confirmed cases of mumps must be reported to the local health department of the patient's residence with 24 hours of being seen by a clinician.

In an effort to provide consistent information regarding mumps to health care professionals, infection control professionals, public health professionals, laboratorians and others, we are providing a packet of current information.

Included in this packet you will find:

- Management of Mumps Cases
- Laboratory Testing for Mumps
- Recommended Mumps Diagnostic Testing Table
- Management of Health Care Workers during a Mumps Outbreak
- Diagram showing the location of the parotid and other salivary glands
- 2006 Mumps outbreak: MMR vaccine use and recommendations
- Mumps Disease Fact Sheet (English and Spanish)

This information should help in the continuing investigation and control of mumps. This and additional information on mumps can be found at the Wisconsin Immunization Program website at <http://www.dhfs.state.wi.us/immunization/index.htm> or at the CDC's National Immunization website at <http://www.cdc.gov/nip>. Questions can be referred to the Wisconsin Immunization Program at 608-267-9493.