



May 19, 2010

MEASLES UPDATE

To: Douglas County Health Care Providers, Emergency Care Providers, Infection Preventionists, Labs

From: Douglas County Health Department
Anne O'Keefe, MD, MPH, Kari Simonsen, MD, Adi M. Pour, PhD, Director

Re: Measles Update

(please see www.douglascountyhealth.com "Measles Information" for the original notice to providers, which contains information on determining immunity and infection control)

Three unvaccinated siblings of the child with measles developed symptoms consistent with measles on Monday May 17th, 10 days after the first child's onset. The health department has been in close contact with the family and has identified several exposures that occurred with one of the siblings **on Sunday May 16th, between 4 pm and 8 pm**, less than 24 hours before symptom onset. The child had no symptoms at that time. The locations were:

- **Barnes and Noble Bookstore, Oakview Mall, 144th and West Center Road**
- **Half Price Books, Westwood Plaza, 120th and West Center Road**
- **Borders Bookstore, 132nd and West Maple Street**
- **KFC, just north of 132nd and West Center Road**

Further investigation has also revealed that the zoo exposure on May 7 included more than just the Madagascar Exhibit. Here is a recap of the May 6 – May 8 exposures:

- **Omaha's Henry Doorly Zoo on Friday, May 7**
- **HyVee Grocery Store at 156th and Maple Streets on Friday morning, May 7 (before noon)**
- **St. Robert Bellarmine Parish Catholic Church morning mass on both Friday, May 7 and Sunday, May 9**
- **Target Store at 132nd and Maple on Thursday, May 6 (after 7pm) and Saturday, May 8 (after 4pm)**

As a reminder:

- Consider measles in patients of any age who have a fever AND a rash. Fever can spike as high as 105°F. Measles rashes are red, blotchy and maculopapular and typically start on the hairline and face and then spread downwards to the rest of the body.
- If you suspect your patient has measles, isolate the patient immediately and alert your local health department (in Douglas County, (402) 444-7214 8:00-4:30, (402) 444-7000 after hours) as soon as possible. The risk of measles transmission to others can be reduced if control measures are implemented.
- Laboratory Testing: The Douglas County Health Department can help facilitate serologic (IgM) testing through the Nebraska Public Health Laboratory. IgM may not become elevated until 3 days after rash onset (day of rash is day 0).
- Incubation period is 10 days (range 7-18 d) to onset of illness, and 14 days (max 21 days) to onset of rash. Communicability is 1 day before symptom onset (usually 4 days before rash onset) to 4 days after rash onset.

Most persons under 35 years of age who were compliant with school entry requirements have had two doses of Measles, Mumps, and Rubella (MMR) vaccine and have a very low risk of developing measles if exposed. Persons who were non-compliant with that requirement are at high risk if exposed to a person shedding the measles virus. All persons who have not received two doses of MMR are urged to consider vaccination at this time, especially if they were present at the times and locations specified.

Douglas County HD is offering reduced-cost MMR vaccinations (\$20/adult, \$5/child). Patients can call our hotline: (402) 444-3400 to make an appointment. Health care providers with questions or who want to report a possible case of measles can call (402) 444-7214, 8:00-4:30, or (402) 444-7000 after hours.