

EPI Update for Friday, April 8, 2005
Center For Acute Disease Epidemiology
Iowa Department of Public Health

Items for this week's EPI Update include:

- **Mumps in Iowa**
- **Avian Flu Update**
- **Child Care Influenza Study conducted in CADE**
- **Antibiotic Resistance Task Force Report Released**
- **Correction: Web link for Immunization Conference**
- **Meeting Announcement and Training Opportunities**

Mumps in Iowa

Recently a case of mumps was reported to the state health department. The case was in a middle aged male who we believe had recently arrived in Iowa from a country where vaccination for diseases like mumps and rubella is not as prevalent as it is in the U.S. Currently we have no reports of spread of the disease, but it is a good reminder that there are people living in Iowa who may have come from such countries. It is a good idea to ask them about their vaccination status when you see them in your office for other reasons. Vaccinate them if they have not definitely had the disease or been vaccinated. If you suspect that a patient may have one of these vaccine preventable diseases, such as mumps, measles, or rubella; please be sure to run the appropriate tests - an IgM to test for current infection and an IgG to check for immunity. The conjunction of these tests can be useful in ruling in or ruling out many of these diseases.

Avian Influenza Update

Unfortunately, avian influenza continues to be a persistent problem throughout Asia, with the Democratic People's Republic of Korea having officially reported the country's first outbreak of avian influenza in poultry. Outbreaks involving large numbers of poultry have been reported at commercial poultry farms, including one in Pyongyang Province. Mass culling has been undertaken by the authorities in an effort to prevent further spread, and no human cases have been reported to date.

With respect to human cases, the Ministry of Health in Vietnam has confirmed three additional cases of human infection with H5N1 avian influenza. These cases include a 5-year old boy from the central province of Quang Binh, a 17-year old girl from the northern province of Nam Dinh, and a 40-year old woman from the northern province of Quang Ninh. The 17-year old girl has died.

Reports have been made to WHO of H5 avian influenza infection in five family members who are presently hospitalized in the northern port city of Haiphong. This family, which includes the parents and their three young daughters, are currently under investigation after initial tests indicated infection with the H5 subtype of avian influenza. Reports have

indicated outbreaks of avian influenza in poultry in the area, and this family of five had a flock of 400 chickens with 200 recently dieing. All five family members had eaten ill chickens.

The good news is, currently there is still no evidence that the H5N1 virus is spreading easily from person to person. The CDC recently updated their “Key Facts about Avian Influenza (Bird Flu) and Avian Influenza A (H5N1) Virus” which is available at:

<http://www.cdc.gov/flu/avian/gen-info/facts.htm>

Cumulative Number of Confirmed Human Cases of Avian Influenza A/(H5N1) since 28 January 2004; 11 March 2005 (from WHO website)

Country/ Territory	Total cases	Deaths
Cambodia	1	1
Thailand	17	12
Viet Nam	51	33
Total	69	46

Notes: Total number of cases includes number of deaths. WHO reports only laboratory-confirmed cases.

For more information on avian influenza, please visit the following websites:

http://www.who.int/csr/disease/avian_influenza/en/

<http://www.cdc.gov/flu/avian/index.htm>

<http://www.cidrap.umn.edu/>

Child Care Influenza Study conducted in CADE

During the 2003-2004 flu season, the Center For Acute Disease Epidemiology conducted a vaccine effectiveness study in 20 childcare centers in four counties in Iowa. The study immunized 170 children aged 6-23 months in these centers. Parents completed phone surveys during flu season reporting incidence of illness in the child or family, money spent on illness insurance co-payment, over-the-counter medications, and missed days of work or daycare.

Our study did not enroll as many children as hoped; therefore statistical power was not as high as wanted. However, although not statistically significant, our study found that children who received the flu vaccine were at less risk for colds, fevers, gastrointestinal symptoms, seizures, and hospitalizations from respiratory infections. The full study is available on our website at:

http://www.idph.state.ia.us/adper/common/pdf/influenza_daycare_study.pdf

Antibiotic Resistance Task Force Report Released

Last week, the Iowa Antibiotic Resistance Task Force released the second edition of the “*Report of the Iowa Antibiotic Resistance Task Force: A Public Health Guide*”. It was

mailed to approximately 8,000 public health and health care providers across the state. It includes information concerning antibiotic use, levels of antibiotic resistance in Iowa, and recommendations for the laboratory, primary care, acute care, long-term care, home care and hospice, outpatient dialysis, schools and childcare, veterinary medicine and the community. The task force hopes to address the following goals with this report: 1) facilitate appropriate use of antibiotics, 2) discourage prescribing practices that promote the development of antibiotic resistance, and 3) decrease the spread of antimicrobial resistance with appropriate control measures.

Also included in the packet were various materials that will be helpful in implementing some of the recommendations including: clinical practice guidelines on the management of acute otitis media, CDC treatment algorithms for various infections, posters that can be displayed in patient areas, and a camera-ready family brochure for you to personalize and reproduce.

Support for production and mailing of these materials was provided by Iowa Health-Des Moines, Ortho McNeil, GlaxoSmithKline, and ELC grant for Infectious Disease Cooperative Agreement # U50/CCU723678-01-1.

Members of the task force represented the fields of public health, medicine, hospital infection control, nursing, veterinary, pharmacy, and epidemiology (representing a variety of professional organizations in Iowa.)

A copy of the report can be found on IDPH's website at:
<<http://www.idph.state.ia.us/adper/common/pdf/antibioticreport.PDF>>

Additional copies of the posters will be available in the near future at the Clearinghouse. (We'll let you know when and how to order.)

Correction: Web link for Immunization Conference

Last weeks' EPI Update included an erroneous link to obtain more information about the Immunization Works conference. The correct link is below.

June 2, 2005

Hy-Vee Conference Center
5820 Westown Parkway, WDM, IA

For additional information:

<http://www.idph.state.ia.us/common/pdf/conferences/060205_immunization.pdf> or
call 515-309-3315.

Meeting Announcement and Training Opportunities

None this week.