

EPI Update for Friday, August 19, 2005

Center For Acute Disease Epidemiology

Iowa Department of Public Health

Items for this week's EPI Update include:

- **Recommendations for New Tdap Vaccine**
- **National Immunization Awareness Month**
- **Stop Polio Campaign Cameroon - Report from the EIS Officer**
- **West Nile Surveillance Update**
- **Meetings/Conferences**

Recommendations for new Tdap vaccine

Two Tetanus Toxoid, reduced Diphtheria Toxoid, and Acellular Pertussis vaccine, adsorbed (Tdap) vaccine products were licensed in 2005 by the FDA as single dose booster vaccines. GlaxoSmithKline's BOOSTRIX® and SanofiPasteur's ADACEL™ are both available to private providers now.

On June 30, 2005 the CDC Advisory Committee on Immunization Practice (ACIP) voted to recommend use of Tdap in adolescents 11-18 years of age in place of Td vaccine. Please note that the ACIP did not make recommendations for the use of Tdap in adults 19 years and older.

Routine Tdap vaccination in adolescents 11-18 years of age:

- Adolescents aged 11-18 years should receive a single dose of Tdap instead of Td for booster immunization against tetanus, diphtheria and pertussis if they have completed the recommended childhood DTP/DTaP vaccination series and have not received Td or Tdap. The preferred age for Tdap is 11-12 years of age.
- Adolescents aged 11-18 years who received Td but not Tdap are encouraged to receive a single dose of Tdap to provide protection against pertussis if they have completed the recommended childhood DTP/DTaP vaccination series. A 5-year interval between Td and Tdap is encouraged to reduce the risk of local or systemic reactions. However, intervals shorter than 5 years between Td and Tdap can be used.

For use in special situations please go to the CDC's Web site at:

http://www.cdc.gov/nip/vaccine/tdap/tdap_acip_recs.pdf

National Immunization Awareness Month

And while we're on the subject of immunizations...

The August observation of National Immunization Awareness Month (NIAM) is a great way to rally local organizations and providers to immunization education efforts. A free NIAM promotional kit offers a variety of template materials, such as brochures and posters, which communities can easily customize and use at or in conjunction with local health screenings or fairs, media events and other related immunization outreach efforts.

Visit www.partnersforimmunization.org/niam.html

[<http://www.partnersforimmunization.org/niam.html>](http://www.partnersforimmunization.org/niam.html) to view and download the promotional materials.

Stop Polio Campaign Cameroon - Report from the EIS officer

Following is a report from EIS officer, Luca Flamigni, on his recent work in Cameroon...

After a three-month mission in Cameroon, Africa, I am finally back in Iowa.

The purpose of the trip was to work in cooperation with the World Health Organization and Ministry of Health to support Cameroon for the improvement of Acute Flaccid Paralysis (AFP) surveillance and integrated surveillance of other diseases, such as yellow fever, measles, and neonatal tetanus. Other specific activities included disease surveillance training, visits to hospitals and clinics to promote reporting of all cases of acute flaccid paralysis and polio, and other activities to support the polio eradication initiative. (Acute flaccid paralysis is a indication of polio activity.)

Cameroon began AFP surveillance in 1997. However only since 2002 has an integrated diseases surveillance model been implemented, following the AFP surveillance example. In 2005, Cameroon was notified of 78 cases of AFP (January-May). Only two cases were caused by wild poliovirus, the rest of the cases of AFP were caused by things such as injuries and other viral illnesses. The two polio cases were both imported from Nigeria. The percent of national AFP cases with two stool samples collected (which are used to assess for wild polio) within 14 days of paralysis onset from January to May 2005 is 74 percent, which is slightly below the target of 80 percent. Routine immunization has not yet reached international standards. Although there are wide variations among the regions, the national coverage for DTP3 and measles are respectively 74 percent, and 66 percent. Cameroon conducts twice yearly National Immunization Days (NID) to increase OPV coverage levels. The last synchronized NID took place in April/May 2005. The next NID will be implemented in November/December 2005.

The key recommendations for the country are to:

- ∞ Integrate private health facilities into the national disease surveillance system and supervision.
- ∞ Improve the quality of health personnel as well as the infrastructure of the health facilities bordering Nigeria.

- ⌘ Promote the development of relationships between the Cameroonian and Nigerian health facilities sharing the border.
- ⌘ Improve the feedback information system at provincial, district, and local level.
- ⌘ Supervision, on a regular basis, of the health facilities regarding AFP surveillance guidelines and stool specimen collection.

West Nile Virus Surveillance Update

Two West Nile virus positive mosquito pools were announced this week. Both were pools of *Culex pipiens* mosquitoes that were collected the first week in August from Scott County. There have been 15 positive birds (six blue jays, eight crows, and one American kestrel) collected from 14 counties across the state. No positive West Nile virus humans have been reported. West Nile virus is a reportable disease by law in Iowa. Two positive West Nile viremic blood donors have also been identified through routine blood screening. Both donors were asymptomatic and thus, are not considered West Nile virus cases. The blood from these donors did not enter the blood supply.

Iowa State University's Entomology Department reports that mosquito numbers are low in Iowa. Trap collections from the past few weeks have yielded few mosquitoes per collection night. However, heavy rains in the past week have increased the amount of standing water in many areas throughout the state. This availability of increased breeding sites may provide favorable conditions for populations to increase in the remaining weeks of August. Weather conditions will determine the rate of mosquito development and life expectancy of subsequent adult mosquitoes. Continued use of insect repellent and other personal protective measures is recommended since West Nile virus season does not peak until September.

For more information about West Nile virus or to view updated surveillance maps, please visit our website at: http://www.idph.state.ia.us/adper/wnv_surveillance.asp .

Meetings/Conferences

“Import and the Risk to Agriculture”, An Iowa Communications Network (ICN) broadcast and live webcast

Upper Midwest Center of Public Health Preparedness Fall 2005 Grand Rounds Series
Thursday, August 25, 2005, Noon-1:00 PM, Room 5236, Westlawn Bldg, University of Iowa, Iowa City, IA

This program will look at the importance of imported food and how weaknesses in the importation process can put the U.S. food supply at risk for intentional contamination.

Fall Epi Update Conferences

At each site there will be a \$25.00 registration fee and coffee, rolls/bagels and cookies & sodas will be provided. Lunch will be on your own.

- 1) **WESTERN IOWA TECH COMM. COLLEGE**, Cherokee, IA

- SEPTEMBER 13, 2005**, from 9:00 am-4:00 pm
- To register call: 712-225-0238 or 800-352-4649 ext. 6403

- 2) **INDIAN HILLS COMMUNITY COLLEGE**, Ottumwa, IA
 - SEPTEMBER 27, 2005**, from 9:00 am - 4:00 pm
 - To register call 641-683-5281 or 800-726-2585 ext. 5281.

- 3) **SOUTHWESTERN COMMUNITY COLLEGE**, Creston, IA
 - OCTOBER 18, 2005**, from 9:00 am - 4:00 pm
 - To register call 800-247-4023 ext. 441 or 449, or 641-782- 1441.

- 4) **IOWA VALLEY CONTINUING EDUCATION CENTER**, Marshalltown, IA
 - OCTOBER 25, 2005**, from 9:00 am - 4:00 pm
 - To register call 800-284-4823 ext. 269.

- 5) **KIRKWOOD TRAINING AND OUTREACH SERVICES (KTOS) CENTER**, Marion, IA
 - OCTOBER 27, 2005** from 9:00 am - 4:00 pm
 - To register call 319-398-1022 or 800-332-8833.

- 6) **MERCY MEDICAL CENTER - NORTH**, Mason City, IA
 - DECEMBER 6, 2005** from 9:00 am - 4:00 pm,
 - To register call 888-466-4222 ext. 4358.