

The Vaccinator

A Newsletter of the Communicable Disease Reporting System (CDRS)
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Pertussis in Adolescents

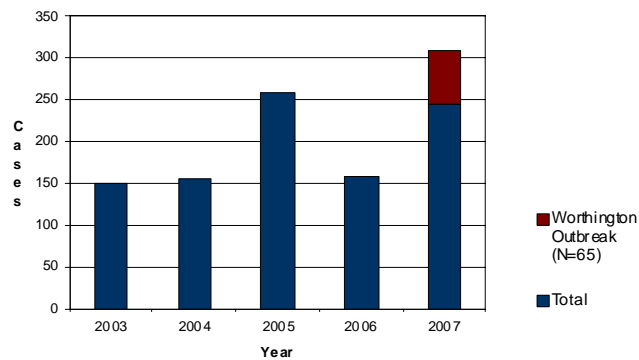
Since 2001, the Columbus Health Department and the Franklin County Board of Health have seen a consistent presence of pertussis in our adolescent population.

While monitoring the small outbreaks associated with the pertussis presence, a larger outbreak was identified in the fall of 2007. This outbreak occurred in the Worthington area and included 65 confirmed cases.

The monitoring and evaluating of the Worthington outbreak provided valuable information for future prevention and control. Three main areas identified for improvement include

- vaccinations,
- education and
- communication.

Confirmed Cases of Pertussis in Franklin County



*Source of data is from Ohio Disease Reporting System (CDRS)

Vaccinations for Pertussis

Immunization with pertussis vaccine is the most important measure for control of pertussis.

- Recognizing every opportunity to vaccinate is essential.
- In addition to the recommended childhood schedule, TDaP should be given at 10 years of age.
- Recommend all adults consider a pertussis containing vaccine if it has been two years since their last TD vaccination.
- During an outbreak, any child under 7 years of age, who has received less than 4 doses of DTaP, and the third dose was greater than 6 months ago, should be given a 4th dose of DTaP.

Available Pertussis Vaccines

- Boosterix, licensed for 10-18 years of age.
- Adacel, licensed for 11-64 years of age.

Education

Pertussis Control Measures

Who needs TREATMENT

Persons with any of the following:

1. Acute cough AND exposure to diagnosed case
2. Acute cough AND PCR-positive
3. Positive culture result
4. Symptoms compatible with pertussis

Who needs to be ISOLATED

The Ohio Administrative code (OAC 3701-3-13{S}) states that a “person with pertussis who is not treated with appropriate antimicrobial therapy shall be isolated, **including exclusion from school or child care center**, until three weeks after the onset of paroxysms. **If appropriate antimicrobial therapy is given, the person shall be isolated for five days after initiation of antimicrobial therapy**”

Who needs PROPHYLAXIS

1. All close contacts to a case (especially in high risk settings such as schools, daycares, households with infants, etc.)
 - Contact is any person in direct contact with respiratory, oral or nasal secretions.
 - Contact is any person who shares the same confined space with a symptomatic patient for more than one hour.
 - Contact is any person who has face to face exposure within 3 feet of a symptomatic patient.
 - Prophylaxis of additional contacts may be warranted in some settings.
2. The recommended antimicrobial agents and dosing regimens for postexposure prophylaxis are the same as those for treatment of pertussis.

PCR Testing for Pertussis

A new Nylon fiber mini-tip “flocked” swab on a flexible plastic shaft is now available.

- To obtain swabs, please call Childlab Client Services at (800) 934-6547 or (614) 722-5477.
- Nationwide Children’s Hospital will provide free PCR testing kits: Contact Betsy at outpatient lab (614) 722-0496.
- Nationwide Children’s Hospital will pick-up specimens at no charge, within 3.5 hours of notification. Call 722-5477 for pick-up request. The office must have lock box or be in office in person to give specimens to pick-up driver.

Communication

Survey Monkey



If you were involved in the recent pertussis outbreak in the Worthington area, we need your help. Your opinion is **very** important. Please complete the questionnaire at the following website:

https://www.surveymonkey.com/s.aspx?sm=tDKAlu5WetZyKWGAfp6Cig_3d_3d

Save the Date!

April 22, 2008, 7:00 a.m.

• Tween Vaccination Forum •

*Free 1 hour continental breakfast presentation.
Nursing CEU's available.*

Preventable disease in adolescents are becoming more common. What you need to know about vaccine preventable disease and how you can help stop the spread in Franklin County.

For current information about reportable infectious diseases, check out the following websites:

- Columbus Public Health: www.publichealth.columbus.gov
- Columbus and Franklin County Communicable Disease Reporting System (CDRS): www.cdinfo.com

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Franklin County

