

TECHNICAL NOTES

NOTES ON SPECIFIC DISEASES:

Anaplasmosis: formerly known as human granulocytic ehrlichiosis (HGE) and caused by *Anaplasma phagocytophilum*.

Botulism, Foodborne: the three cases in 2007 were part of a nationwide outbreak.

Coccidioidomycosis: became a reportable disease in Ohio Jan. 1, 2006.

Ehrlichia chaffeensis: formerly known as human monocytic ehrlichiosis (HME).

Encephalitis, Post Other Infection: includes encephalitis following a non-central nervous system viral illness or after vaccine was administered.

Hepatitis: chronic cases of hepatitis B and past or present cases of hepatitis C became reportable in Ohio Apr. 4, 2003; counts prior to 2003 included acute cases only. "Month" refers to the month the case was reported to the Centers for Disease Control and Prevention (CDC). Due to the chronic nature of hepatitis B and C, all conditions associated with hepatitis B and C are shown by date of report to better capture and describe disease incidence.

Herpes, Congenital: reporting moved to the Sexually Transmitted Disease (STD) Surveillance Program in 2006. Please contact the ODH STD Surveillance Program at (614) 466-1388 for congenital herpes surveillance data for 2006 and beyond.

Influenza-associated Pediatric Mortality: became a reportable condition in Ohio Jan. 1, 2005, for children less than 18 years of age. "Month" refers to the month of death of the case.

LaCrosse Encephalitis: case reporting to the CDC through ArboNet began in 2003 by the ODH Bureau of Infectious Disease Control (BIDC), Zoonotic Disease Program (ZDP). ArboNet is an electronic-based surveillance system created by the CDC to streamline arboviral disease reporting from state public health departments. Please refer to <http://www.odh.ohio.gov/odhPrograms/idc/zoodis/vbdp/vbdp1.aspx> for further information on vector-borne diseases.

Lyme Disease: as of Oct. 14, 2008, there were three cases of Lyme disease reported in 2008 with illness onset dates in 2007.

Meningitis, Other Bacterial: includes cases of bacterial meningitis for which the agent was specified, excluding Group A *Streptococcus*, Group B *Streptococcus* (in newborns), *Haemophilus influenzae*, *Listeria monocytogenes*, *Mycobacterium tuberculosis*, *Neisseria meningitidis* and *Streptococcus pneumoniae*. Cases of meningitis due to these agents are reported as those specific conditions.

Rabies, Animal: refers only to cases among animal species. The last reported case of human rabies in Ohio occurred in 1971.

St. Louis Encephalitis: case reporting to the CDC through ArboNet began in 2003 by the ODH BIDC, ZDP. ArboNet is an electronic-based surveillance system created by the CDC to streamline arboviral disease reporting from state public health departments. Please refer to <http://www.odh.ohio.gov/odhPrograms/idc/zoodis/vbdp/vbdp1.aspx> for more information on vector-borne diseases.

***Streptococcus pneumoniae*, Invasive Disease, Age < 5 Years:** became nationally notifiable in 2003 for all children less than 5 years of age, regardless of drug-resistance pattern.

***Streptococcus pneumoniae*, Invasive Disease, Drug Resistant, Ages 5+ Years:** became nationally notifiable in 2003 for all ages with antibiotic resistance. Numbers include cases 5 years of age and older with intermediate resistance or resistance to one or more antimicrobial agents.

***Streptococcus pneumoniae*, Invasive Disease, Drug Susceptible, Ages 5+ Years:** numbers include cases 5 years of age and older with invasive *Streptococcus pneumoniae* that are susceptible or of unknown susceptibility to all antimicrobial agents tested.

Vancomycin-resistant Enterococcal Disease: no longer reportable in Ohio as of Apr. 14, 2003. Data for 2003 reflect cases with disease onset dates from Jan. 1 through Apr. 13, 2003.

Varicella: became a Class A reportable disease Jan. 1, 2006. Prior to 2006, varicella was a Class B reportable disease and was reported in aggregate form on a weekly basis. Date of onset was not reported; therefore, all previous data were compiled by date of report.

West Nile Virus: the first human case in Ohio was reported in August 2002. Case reporting to the CDC through ArboNet began in 2003 by the ODH BIDC, ZDP. ArboNet is an electronic-based surveillance system created by the CDC to streamline arboviral disease reporting from state public health departments. Please refer to <http://www.odh.ohio.gov/odhPrograms/idc/zoodis/vbdp/vbdp1.aspx> for more information on vector-borne diseases.

NOTES ON OUTBREAKS:

Numbers indicate the number of outbreaks reported and do not reflect the number of cases involved in the outbreak. Therefore, outbreak data are not included in the "Age in Years" and "Gender" tables, and rates were not calculated in any table. Outbreak data are by year of report, so "Month" refers to the month of report. The source of outbreak data is the ODH BIDC, Outbreak Response and Bioterrorism Investigation Program. ***Six multicounty and multistate outbreaks are not included in the "County" table; thus, county totals do not match totals.*** A multicounty outbreak is an outbreak where the exposure occurred in more than one county, while a multistate outbreak is an outbreak where the exposure occurred in more than one state.

Foodborne: for the definition of a foodborne outbreak, see "Surveillance for Foodborne Disease Outbreaks – United States, 1998-2002" in: CDC Surveillance Summaries, Nov. 10, 2006. MMWR 2006; 55 (No. SS-10). (Available on the Web at: <http://www.cdc.gov/mmwr/preview/mmwrhtml/ss5510a1.htm>).

Waterborne: for the definition of a waterborne outbreak, see “Surveillance for Waterborne Disease and Outbreaks Associated with Recreational Water – United States, 2003-2004” and “Surveillance for Waterborne Disease and Outbreaks Associated with Drinking Water – United States, 2003-2004” in: CDC Surveillance Summaries, Dec. 22, 2006. MMWR 2006; 55 (No. SS-12). (On the Web at <http://www.cdc.gov/mmwr/PDF/ss/ss5512.pdf>).

Unspecified: includes outbreaks of Class A diseases that are neither foodborne, waterborne nor nosocomial.

Conjunctivitis: includes outbreaks of conjunctivitis of bacterial, viral or unknown etiology.

Nosocomial: includes hospital-acquired outbreaks of all etiologies.

Pediculosis: includes louse-associated outbreaks of all origins (head, body and pubic/crab).

Scabies: includes scabies outbreaks, both confirmed and suspected.

Staphylococcal Skin Infections: includes staphylococcal outbreaks in which isolates were antibiotic-susceptible as well as outbreaks in which isolates were methicillin-resistant *Staphylococcus aureus* (MRSA).

Unusual Incidence of Non-Class A, Class B or Class C Disease: includes outbreaks in which the causative agent was not a Class A, B or C disease. Most of these were outbreaks of Norovirus that were point-source or person-to-person spread.

DISEASES NOT INCLUDED IN TABLES:

There were no known cases in Ohio of the following reportable diseases during at least the past five years; thus, they are not included in the 2003-2007 disease tables:

- Anthrax
- Botulism, wound
- Diphtheria
- Eastern equine encephalitis
- Ehrlichiosis, other/unspecified agent
- Encephalitis, post mumps
- Encephalitis, post chickenpox
- Hantavirus
- Plague
- Poliomyelitis
- Powassan encephalitis
- Psittacosis
- Rabies, human
- Reye syndrome
- Rubella, congenital and not congenital
- Severe acute respiratory syndrome
- Smallpox
- *Staphylococcus aureus*, resistant to vancomycin
- Viral hemorrhagic fever
- Western equine encephalitis
- Yellow fever

There were no outbreaks of the following reported with onset 2005-2007:

- Blastomycosis
- Histoplasmosis
- Sporotrichosis
- Toxoplasmosis

Diseases not included in the “Age in Years,” “Gender,” “Month of Onset” and “County of Residence” tables (pp. 10-45) had no known cases reported in 2007.

NOTE ON *SALMONELLA* SEROTYPES AND MENINGOCOCCAL DISEASE SEROGROUPS:

The bacteriology laboratory at the Ohio Department of Health (ODH) performs serotyping of *Salmonella* isolates and serogrouping of *Neisseria meningitidis* isolates. Hospital and other clinical laboratories are encouraged to send *Salmonella* and *Neisseria meningitidis* isolates to the ODH Laboratory for serotyping and serogrouping. The ODH Laboratory also requests *Escherichia coli*, *Listeria*, *Vibrio*, *Haemophilus influenzae* (in children under 5 years of age) and vancomycin resistant or intermediate resistant *Staphylococcus aureus* isolates. For further information on the submission of isolates, please contact the bacteriology laboratory at (614) 644-4656.

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