

TECHNICAL NOTES: 1999 - 2003 OHIO REPORTABLE DISEASES

Infectious Disease Surveillance System:

The diseases included in this report are part of a passive surveillance system, where laboratories and health care providers report cases without being actively contacted in a systematic manner. Therefore, these numbers do not represent a complete enumeration of all incident cases. A significant percentage of persons with these diseases are not specifically diagnosed or even seek treatment, so the true number of persons with these diseases is unknown. Even though only a portion of cases are reported, these data provide valuable insight into the demographic, geographic and secular trends for these diseases.

Explanation of Tables:

Data reflect disease incidence for Ohio residents only, but include diseases (malaria, for example) acquired by Ohio residents while traveling out-of-state or overseas. Individual cases were reported through the Ohio Disease Reporting System (ODRS) beginning in September 2001.

With the exception of Invasive *Streptococcus pneumoniae* (ISP), Vancomycin-Resistant Enterococcal Disease (VRE), West Nile encephalitis, and LaCrosse encephalitis, data are presented by date of report. ISP, VRE, West Nile, and LaCrosse data are all shown by date of onset. Prior to 1992, annual summaries were shown by date of disease diagnosis or onset.

Population data for the "By Year of Report" table are from the U.S. Census Population Midpoint Estimates for each year. Population data in all other tables are from the 2000 U.S. Census. Midpoint estimates by age, gender and county are unavailable for 2003.

In the "By Year of Report" table, the mean and median are calculated only when five years of data are available.

"Age" refers to the patient's age at the earliest known date associated with the disease.

"Month" refers to the month the report was transmitted to the Centers for Disease Control and Prevention (CDC) except as noted above.

"County" refers to the patient's county of residence. If county of residence is unknown, then the county in which the hospital, physician or local health department is located is used.

Case Criteria:

For all diseases, the case criteria used are those provided in: "Case Definitions for Infectious Conditions Under Public Health Surveillance," MMWR (Morbidity and Mortality Weekly Report) 1997; 46 (No. RR-10), and the Ohio Department of Health (ODH) Infectious Disease Control Manual (IDCM). This summary includes confirmed, probable and suspected cases.

Notes on Specific Diseases:

Chickenpox (a Class B disease): only the number of cases by month and county are reported.

E. coli Shiga Toxin Producing (Not O157:H7): became a reportable disease in Ohio in February 2001. Cases listed in the year 2000 were received at ODH prior to becoming a reportable condition in Ohio.

Ehrlichiosis: became a reportable disease in Ohio in February 2001.

Encephalitis, LaCrosse: case reporting to CDC through ArboNet began in 2003 by the Ohio Department of Health Bureau of Infectious Disease Control, Vector-borne Disease Program. ArboNet is an electronic-based surveillance system created by the CDC to streamline arboviral disease reporting from state public health departments. Additional information on vector-borne diseases can be found online at <http://www.odh.ohio.gov/odhPrograms/idc/zoodis/vbdp/vbdppfs.aspx>.

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

Encephalitis, West Nile: the first human case in Ohio was reported in August 2002. Case reporting to CDC through ArboNet began in 2003 by the Ohio Department of Health Bureau of Infectious Disease Control, Vector-borne Disease Program. ArboNet is an electronic-based surveillance system created by the CDC to streamline arboviral disease reporting from state public health departments. Additional information on vector-borne diseases can be found at <http://www.odh.ohio.gov/odhPrograms/idc/zoodis/vbdp/vbdppfs.aspx>.

Hepatitis: chronic cases became reportable in 2003; therefore, counts prior to 2003 include acute cases only.

Kawasaki Disease: also known as Mucocutaneous Lymph Node Syndrome.

Meningitis, Other Bacterial: includes cases of bacterial meningitis for which the agent was specified, excluding Group A streptococcus, Group B streptococcus (newborn), *Haemophilus influenzae*, invasive *Streptococcus pneumoniae* and meningococcal disease.

Outbreaks (Foodborne, Unspecified, and Waterborne): 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. The source of outbreak data is the Ohio Department of Health Bureau of Infectious Disease Control, Investigation Section.

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

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

Streptococcus pneumoniae, Invasive, Drug Resistant: 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 agent.

Streptococcus pneumoniae, Invasive, Drug Susceptible: numbers include cases 5 years of age and older with *Streptococcus pneumoniae* that is susceptible or of unknown susceptibility to any antimicrobial agent.

Typhus Fever, Murine: a form of typhus fever.

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

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 1999-2003 disease tables: anthrax, botulism-other, cholera, diphtheria, encephalitis (post mumps and St. Louis), granuloma inguinale, hantavirus, human rabies, measles (indigenous), plague, poliomyelitis, Reye's syndrome, rubella (not congenital), typhus fever (louse-borne) and yellow fever.

Diseases not included in the "Age in Years," "Gender," "Month of Report" and "County of Residence" tables had no known cases reported in 2003.

HIV/AIDS, sexually transmitted diseases and tuberculosis surveillance data are not included. Please refer to the ODH Website at <http://www.odh.ohio.gov/healthStats/disease/id1.aspx> for summary reports for these diseases.

Special Note on *Salmonella* Serotypes and Meningococcal Disease Serogroups:

The Bacteriology Laboratory at the Ohio Department of Health performs serotyping of *Salmonella* isolates and serogrouping of *Neisseria meningitidis* isolates. Hospital and other clinical laboratories are encouraged to send *Salmonella* isolates and *Neisseria meningitidis* isolates to the ODH Lab for serotyping and serogrouping. For further information on the submission of isolates, please contact the Bacteriology Laboratory at (614) 466-2278.