

OHIO DEPARTMENT OF HEALTH

# ANNUAL SUMMARY OF INFECTIOUS DISEASES OHIO 2007

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REPORTED INCIDENCE OF SELECTED  
NOTIFIABLE DISEASES



PREPARED AND DISTRIBUTED BY:

BUREAU OF HEALTH SURVEILLANCE  
AND  
BUREAU OF INFECTIOUS DISEASE CONTROL

DIVISION OF PREVENTION

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# INTRODUCTION

The *Annual Summary of Infectious Diseases, Ohio, 2007* provides an overview of the incidence of selected notifiable infectious diseases. The report includes tables of disease by year, age group, gender, month of onset, county of residence, *Salmonella* serotypes and meningococcal disease serogroups. In addition, there are profiles of selected diseases and outbreaks that feature a brief description and recent epidemiologic trends.

The sources of these data are individual case and laboratory reports submitted to the Ohio Department of Health (ODH) by infection control practitioners, health care providers, laboratories and city, county and combined health districts throughout the state and entered into the Ohio Disease Reporting System (ODRS). 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.

This summary includes confirmed, probable and suspected cases. 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) available online at <http://www.cdc.gov/mmwr/preview/mmwrhtml/00047449.htm>,
- The ODH Infectious Disease Control Manual (IDCM) available online at <http://www.odh.ohio.gov/healthResources/infectiousDiseaseManual.aspx> and
- The Centers for Disease Control and Prevention (CDC) National Notifiable Disease Surveillance System's nationally notifiable infectious disease case definitions available online at <http://www.cdc.gov/ncphi/diss/nndss/phs/infdis2007r.htm>.

HIV/AIDS, sexually transmitted diseases and tuberculosis surveillance data are not included in this report. Please refer to the ODH Web site for summary reports of these diseases as well as previous annual summaries at <http://www.odh.ohio.gov/healthStats/disease/id1.aspx>.

The diseases included in this report are part of a passive surveillance system, where infection control practitioners, health care providers and laboratories 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.

Thanks to all infection control practitioners, health care providers, laboratories and local health departments for their hard work and dedication to reporting infectious diseases in the most accurate, complete and timely manner. These efforts are essential in protecting and improving the health of all Ohioans.

Questions or comments regarding general infectious, hepatitis and vaccine-preventable disease surveillance data may be directed to the Bureau of Health Surveillance at (614) 995-5591. Questions regarding outbreaks or zoonotic disease surveillance data may be directed to the Bureau of Infectious Disease Control at (614) 466-0265.

# OHIO NOTIFIABLE DISEASES

Ohio Administrative Code 3701-3-02 and 3701-3-13, effective Jan. 1, 2006

**Class A(1):** Diseases of major public health concern because of the severity of disease or the potential for epidemic spread. Report by telephone immediately upon recognition of a case, a suspected case or a positive laboratory result.

- Anthrax
- Botulism, foodborne
- Cholera
- Diphtheria
- Measles
- Meningococcal disease
- Plague
- Rabies, human
- Rubella, not congenital
- Severe acute respiratory syndrome
- Smallpox
- Tularemia
- Viral hemorrhagic fever
- Yellow fever
- Any unexpected pattern of cases, suspected cases, deaths or increased incidence of any other disease of major public health concern because of the severity of disease or potential for epidemic spread, which may indicate a newly recognized infectious agent, outbreak, epidemic, related public health hazard or act of bioterrorism

**Class A(2):** Diseases of public health concern needing a timely response because of the potential for epidemic spread. Report by the end of the next business day after the existence of a case, a suspected case or a positive laboratory result.

- Arboviral neuroinvasive and non-neuroinvasive disease: Eastern equine encephalitis, LaCrosse encephalitis, Powassan encephalitis, St. Louis encephalitis, West Nile virus, Western equine encephalitis, other arthropod-borne disease
- Chancroid
- Cyclosporiasis
- Coccidioidomycosis
- Dengue
- Enterohemorrhagic *Escherichia coli*
- Foodborne outbreaks
- Granuloma inguinale
- *Haemophilus influenzae*, invasive disease
- Hantavirus
- Hemolytic uremic syndrome
- Hepatitis A
- Hepatitis B, perinatal
- Influenza-associated pediatric mortality
- Legionellosis
- Listeriosis
- Lymphogranuloma venereum
- Malaria
- Meningitis, aseptic
- Mumps
- Pertussis
- Poliomyelitis
- Psittacosis
- Q fever
- Rubella, congenital
- Salmonellosis
- Shigellosis
- *Staphylococcus aureus*, vancomycin resistant or intermediate resistant
- Syphilis
- Tetanus
- Tuberculosis
- Typhoid fever
- Waterborne disease outbreaks

# OHIO NOTIFIABLE DISEASES

Ohio Administrative Code 3701-3-02 and 3701-3-13, effective Jan. 1, 2006

**Class A(3):** Diseases of significant public health concern. Report by the end of the work week after the existence of a case, a suspected case or a positive laboratory result.

- |                                |  |  |
|--------------------------------|--|--|
| • Amebiasis                    | • Hepatitis B, non-perinatal                     | • Streptococcal disease, group A, invasive           |
| • Botulism, infant             | • Hepatitis C                                    | • Streptococcal disease, group B, in newborn         |
| • Botulism, wound              | • Hepatitis D                                    | • Streptococcal toxic shock syndrome                 |
| • Brucellosis                  | • Hepatitis E                                    | • <i>Streptococcus pneumoniae</i> , invasive disease |
| • Campylobacteriosis           | • Herpes, congenital                             | • Toxic shock syndrome                               |
| • Chlamydia infections         | • Kawasaki disease                               | • Toxoplasmosis, congenital                          |
| • Creutzfeldt-Jakob disease    | • Leprosy  | • Trichinosis  |
| • Cryptosporidiosis            | • Leptospirosis                                  | • Typhus fever                                       |
| • Cytomegalovirus, congenital  | • Lyme disease                                   | • Varicella  |
| • Ehrlichiosis                 | • Meningitis, bacterial                          | • Vibriosis  |
| • Encephalitis, other viral    | • Mycobacterial disease, other than tuberculosis | • Yersiniosis  |
| • Encephalitis, post infection | • Reye syndrome                                  |  |
| • Giardiasis                   | • Rheumatic fever                                |  |
| • Gonococcal infections        | • Rocky Mountain spotted fever                   |  |

**Class B:** The number of cases is to be reported by the close of each working week.

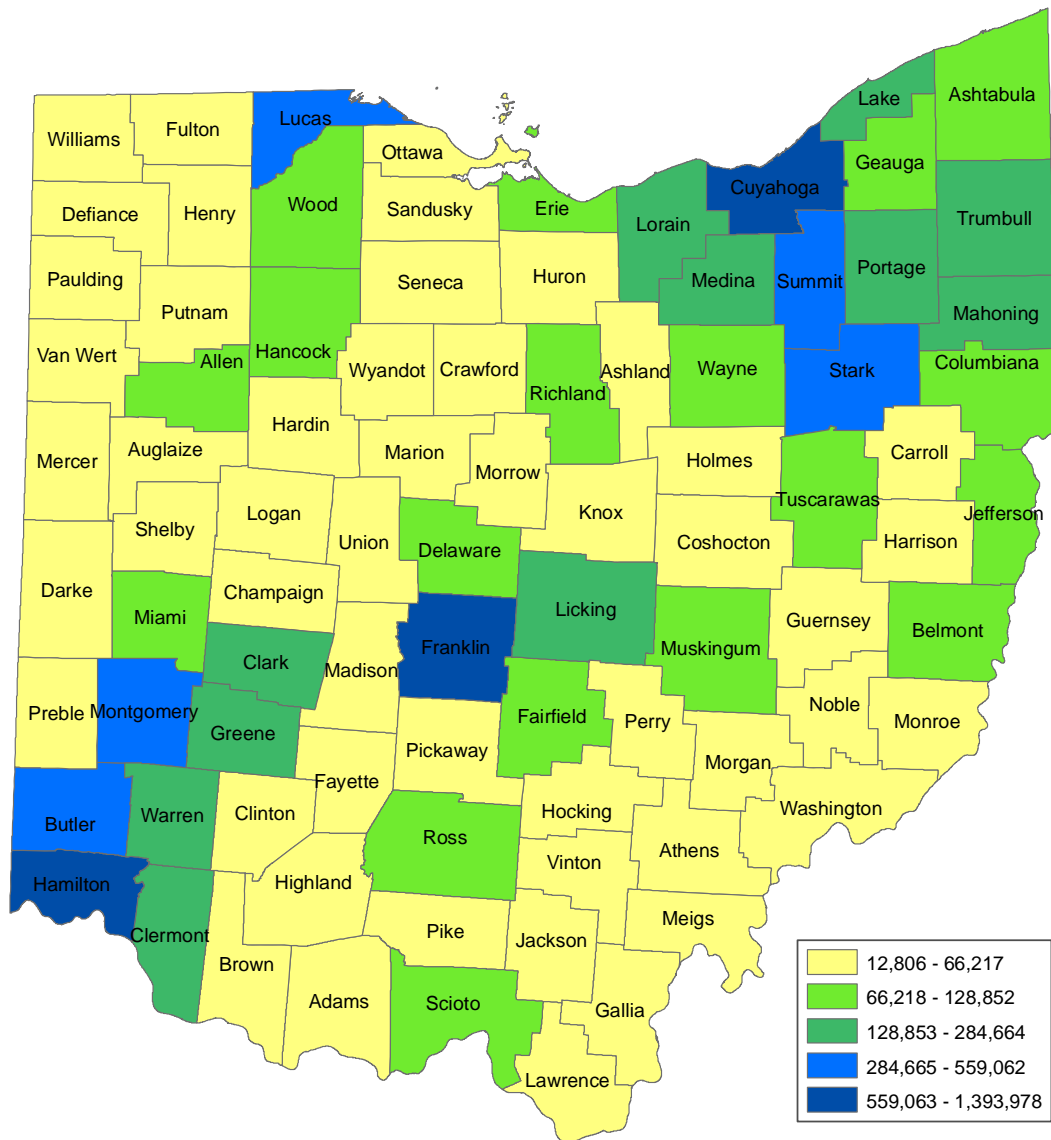
- Influenza

**Class C:** Report an outbreak, unusual incidence or epidemic by the end of the next working day.

- |   |                  |                                  |
|---|------------------|----------------------------------|
| • Blastomycosis   | • Pediculosis    | • Staphylococcal skin infections |
| • Conjunctivitis, acute   | • Scabies        | • Toxoplasmosis                  |
| • Histoplasmosis  | • Sporotrichosis |                                  |
| • Nosocomial infections   |                  |                                  |
| • Outbreak, unusual incidence or epidemic of other infectious diseases of known etiology not categorized as class A, class B or class C |                  |                                  |

Cases of AIDS, AIDS-related conditions, HIV infection, perinatal exposure to HIV and CD4 T-lymphocyte counts less than 200 or 14 percent must be reported on forms and in a manner prescribed by the director.

# OHIO COUNTY POPULATION MAP



Source of populations by county is 2000 U.S. Census.

# TABLES OF SELECTED NOTIFIABLE DISEASES

## BY YEAR OF ONSET TABLE

*Page 6*

This table displays case counts and rates for five years of data in addition to the mean and median counts and rates during 2003-2007. Means and medians were calculated only when five years of data were available. Population data come from the U.S. Census midpoint estimates for each year. Data for 2003 is by year of report. Data for all other years is by year of onset with the exception of acute hepatitis B, chronic hepatitis B, perinatal hepatitis B, acute hepatitis C, past or present hepatitis C, outbreaks and varicella. Hepatitis B and C and outbreaks are shown by date of report for all years, while varicella is shown by date of report for 2003-2005. Data in previous annual summaries before 2003 were by year of report.

## BY AGE TABLE

*Page 9*

This table provides case counts and rates by age group (in years) for 2007. Age refers to patient's age at the earliest known date associated with the case. Population data come from the 2000 U.S. Census counts by age. Outbreak data are not included in this table because numbers indicate the number of outbreaks and do not reflect the individual cases involved.

## BY GENDER TABLE

*Page 13*

This table contains case counts and rates by gender for 2007. Population data come from the 2000 U.S. Census counts by gender. Outbreak data are not included in this table because numbers indicate the number of outbreaks and do not reflect the individual cases involved.

## BY MONTH OF ONSET TABLE

*Page 15*

This table presents case counts and percents by month of onset for 2007. Month refers to the month of symptom onset except for hepatitis B and C conditions and all outbreaks, which are by month of report, and for influenza-associated pediatric mortality, which is by month of death. Population data are not available by month, so rates cannot be calculated.

## BY COUNTY OF RESIDENCE TABLE

*Page 19*

This table displays case counts and rates by county for 2007. County refers to the patient's county of residence. If a county of residence is unknown, then the county in which the hospital, physician or local health department is located is used. Population data come from the 2000 U.S. Census counts by county.

## SALMONELLA SEROTYPES TABLE

*Page 45*

This table contains *Salmonella* case counts and percents by serotype during 2003-2007. Serotypes, untyped serogroups and untyped/ungrouped isolates are provided. The bacteriology laboratory at ODH performs serotyping of *Salmonella* isolates.

## MENINGOCOCCAL SEROGROUPS TABLE

*Page 49*

This table shows meningococcal disease case counts and percents by serogroup during 2003-2007. The bacteriology laboratory at ODH performs serogrouping of *Neisseria meningitidis* isolates.



# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY YEAR OF ONSET, OHIO, 2003-2007

GENERAL INFECTIOUS DISEASES	2003*		2004		2005		2006		2007		MEDIAN		MEAN	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	14	0.1	11	0.1	17	0.1	14	0.1	33	0.3	14	0.1	18	0.2
Botulism, Foodborne*	0	0.0	1	0.0	0	0.0	0	0.0	3	0.0	0	0.0	1	0.0
Botulism, Infant	2	0.0	2	0.0	0	0.0	2	0.0	1	0.0	2	0.0	1	0.0
Campylobacteriosis	1,265	11.1	1,222	10.7	1,174	10.2	1,129	9.8	1,083	9.4	1,174	10.2	1,175	10.2
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0
Coccidioidomycosis*	-	-	-	-	-	-	8	0.1	11	0.1	-	-	-	-
Creutzfeldt-Jakob Disease (CJD)	9	0.1	11	0.1	10	0.1	15	0.1	10	0.1	10	0.1	11	0.1
Cryptosporidiosis	173	1.5	221	1.9	782	6.8	366	3.2	611	5.3	366	3.2	431	3.8
Cyclosporiasis	0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cytomegalovirus (CMV), Congenital	10	0.1	15	0.1	18	0.2	13	0.1	16	0.1	15	0.1	14	0.1
Encephalitis, Post Chickenpox	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	11	0.1	7	0.1	9	0.1	10	0.1	5	0.0	9	0.1	8	0.1
Encephalitis, Primary Viral	48	0.4	32	0.3	17	0.1	30	0.3	24	0.2	30	0.3	30	0.3
<i>Escherichia coli</i> O157:H7	132	1.2	103	0.9	150	1.3	160	1.4	80	0.7	132	1.2	125	1.1
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	16	0.1	4	0.0	13	0.1	20	0.2	19	0.2	16	0.1	14	0.1
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	20	0.2	17	0.1	6	0.1	31	0.3	39	0.3	20	0.2	23	0.2
Giardiasis	903	7.9	789	6.9	820	7.2	806	7.0	833	7.3	820	7.2	830	7.2
<i>Haemophilus influenzae</i> , Invasive Disease	78	0.7	108	0.9	107	0.9	93	0.8	114	1.0	107	0.9	100	0.9
Hemolytic Uremic Syndrome (HUS)	5	0.0	7	0.1	8	0.1	16	0.1	12	0.1	8	0.1	10	0.1
Herpes, Congenital*	10	0.1	13	0.1	6	0.1	*	*	*	*	*	*	10	*
Kawasaki Disease	68	0.6	51	0.4	55	0.5	35	0.3	38	0.3	51	0.4	49	0.4
Legionellosis	226	2.0	211	1.8	206	1.8	237	2.1	231	2.0	226	2.0	222	1.9
Leprosy (Hansen's Disease)	2	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	1	0.0
Listeriosis	27	0.2	38	0.3	36	0.3	43	0.4	33	0.3	36	0.3	35	0.3
Meningitis, Aseptic	1,284	11.2	1,407	12.3	1,469	12.8	905	7.9	816	7.1	1,284	11.2	1,176	10.3
Meningitis, Other Bacterial*	114	1.0	90	0.8	45	0.4	68	0.6	49	0.4	68	0.6	73	0.6
Meningococcal Disease	60	0.5	63	0.5	45	0.4	50	0.4	32	0.3	50	0.4	50	0.4
Rheumatic Fever	3	0.0	1	0.0	1	0.0	0	0.0	4	0.0	1	0.0	2	0.0
Salmonellosis	1,326	11.6	1,195	10.4	1,343	11.7	1,299	11.3	1,323	11.5	1,323	11.5	1,297	11.3
Shigellosis	301	2.6	166	1.4	140	1.2	200	1.7	1,277	11.1	200	1.7	417	3.6
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	3	0.0	2	0.0	0	0.0	1	0.0
Streptococcal Disease, Group A, Invasive	287	2.5	204	1.8	199	1.7	245	2.1	226	2.0	226	2.0	232	2.0
Streptococcal Disease, Group B, in Newborn	72	0.6	54	0.5	61	0.5	63	0.5	49	0.4	61	0.5	60	0.5
Streptococcal Toxic Shock Syndrome (STSS)	24	0.2	20	0.2	17	0.1	18	0.2	12	0.1	18	0.2	18	0.2
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	159	1.4	120	1.0	134	1.2	144	1.3	117	1.0	134	1.2	135	1.2
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	273	2.4	276	2.4	351	3.1	396	3.5	302	2.6	302	2.6	320	2.8
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	747	6.5	652	5.7	736	6.4	766	6.7	736	6.4	736	6.4	727	6.3
Toxic Shock Syndrome (TSS)	12	0.1	7	0.1	4	0.0	7	0.1	2	0.0	7	0.1	6	0.1
Typhoid Fever	2	0.0	6	0.1	2	0.0	11	0.1	11	0.1	6	0.1	6	0.1
Vancomycin-Resistant Enterococcal Disease (VRE)	1,095	9.6	-	-	-	-	-	-	-	-	-	-	-	-
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	4	0.0	2	0.0	2	0.0	3	0.0	2	0.0	2	0.0
<i>Vibrio vulnificus</i> Infection	1	0.0	2	0.0	0	0.0	1	0.0	0	0.0	1	0.0	1	0.0
Vibriosis, Other (Not Cholera)	6	0.1	7	0.1	4	0.0	2	0.0	3	0.0	4	0.0	4	0.0
Yersiniosis	60	0.5	61	0.5	45	0.4	41	0.4	52	0.5	52	0.5	52	0.5
<b>SUB-TOTAL</b>	<b>8,845</b>	<b>77.3</b>	<b>7,200</b>	<b>62.8</b>	<b>8,033</b>	<b>70.1</b>	<b>7,249</b>	<b>63.2</b>	<b>8,214</b>	<b>71.6</b>	<b>8,033</b>	<b>70.1</b>	<b>7,908</b>	<b>69.0</b>

N = number of cases reported.

Rates use U.S. Census midpoint estimates and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY YEAR OF ONSET, OHIO, 2003-2007

HEPATITIS	2003*		2004		2005		2006		2007		MEDIAN		MEAN	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Hepatitis A	171	1.5	50	0.4	51	0.4	49	0.4	69	0.6	51	0.4	78	0.7
Hepatitis B, Acute*	160	1.4	115	1.0	136	1.2	126	1.1	124	1.1	126	1.1	132	1.2
Hepatitis B, Chronic*	253	2.2	329	2.9	858	7.5	386	3.4	2,427	21.2	386	3.4	851	7.4
Hepatitis B, Perinatal Infection*	5	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Hepatitis C, Acute*	9	0.1	6	0.1	9	0.1	7	0.1	19	0.2	9	0.1	10	0.1
Hepatitis C, Past or Present*	4,516	39.5	5,391	47.0	8,583	74.9	8,073	70.3	11,319	98.7	8,073	70.3	7,576	66.1
Hepatitis E	0	0.0	1	0.0	4	0.0	1	0.0	3	0.0	1	0.0	2	0.0
<b>SUB-TOTAL</b>	<b>5,114</b>	<b>44.7</b>	<b>5,892</b>	<b>51.4</b>	<b>9,642</b>	<b>84.1</b>	<b>8,642</b>	<b>75.3</b>	<b>13,961</b>	<b>121.8</b>	<b>8,642</b>	<b>75.3</b>	<b>8,650</b>	<b>75.5</b>

OUTBREAKS*														
Foodborne*	48	n/a	90	n/a	79	n/a	115	n/a	87	n/a	87	n/a	84	n/a
Waterborne*	4	n/a	4	n/a	5	n/a	5	n/a	9	n/a	5	n/a	5	n/a
Unspecified*	37	n/a	35	n/a	4	n/a	9	n/a	28	n/a	28	n/a	23	n/a
Conjunctivitis*	0	n/a	0	n/a	1	n/a	0	n/a	2	n/a	0	n/a	1	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	4	n/a	8	n/a	0	n/a	2	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	7	n/a	8	n/a	18	n/a	7	n/a	7	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	10	n/a	18	n/a	39	n/a	10	n/a	13	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	30	n/a	70	n/a	117	n/a	30	n/a	43	n/a
<b>SUB-TOTAL</b>	<b>89</b>	<b>n/a</b>	<b>129</b>	<b>n/a</b>	<b>136</b>	<b>n/a</b>	<b>229</b>	<b>n/a</b>	<b>309</b>	<b>n/a</b>	<b>136</b>	<b>n/a</b>	<b>178</b>	<b>n/a</b>

VACCINE-PREVENTABLE														
Influenza-Associated Pediatric Mortality*	-	-	-	-	2	0.0	1	0.0	2	0.0	-	-	-	-
Measles, Imported	2	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
Measles, Indigenous	0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	7	0.1	10	0.1	8	0.1	45	0.4	26	0.2	10	0.1	19	0.2
Pertussis	328	2.9	885	7.7	1,094	9.5	594	5.2	837	7.3	837	7.3	748	6.5
Tetanus	2	0.0	0	0.0	1	0.0	3	0.0	0	0.0	1	0.0	1	0.0
Varicella*	1,247	10.9	1,610	14.1	2,021	17.6	8,859	77.2	4,364	38.1	2,021	17.6	3,620	31.6
<b>SUB-TOTAL</b>	<b>1,586</b>	<b>13.9</b>	<b>2,505</b>	<b>21.9</b>	<b>3,129</b>	<b>27.3</b>	<b>9,502</b>	<b>82.8</b>	<b>5,229</b>	<b>45.6</b>	<b>3,129</b>	<b>27.3</b>	<b>4,390</b>	<b>38.3</b>

N = number of cases reported.

Rates use U.S. Census midpoint estimates and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY YEAR OF ONSET, OHIO, 2003-2007

ZONOSSES	2003*		2004		2005		2006		2007		MEDIAN		MEAN	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Anaplasmosis*	6	0.1	0	0.0	1	0.0	5	0.0	2	0.0	2	0.0	3	0.0
Brucellosis	1	0.0	4	0.0	2	0.0	0	0.0	0	0.0	1	0.0	1	0.0
Dengue	4	0.0	4	0.0	11	0.1	9	0.1	11	0.1	9	0.1	8	0.1
<i>Ehrlichia chaffeensis</i> *	2	0.0	0	0.0	2	0.0	1	0.0	1	0.0	1	0.0	1	0.0
LaCrosse Encephalitis*	20	0.2	26	0.2	15	0.1	11	0.1	9	0.1	15	0.1	16	0.1
Leptospirosis	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	66	0.6	50	0.4	42	0.4	36	0.3	34	0.3	42	0.4	46	0.4
Malaria	23	0.2	30	0.3	29	0.3	28	0.2	28	0.2	28	0.2	28	0.2
Q Fever	8	0.1	2	0.0	2	0.0	3	0.0	2	0.0	2	0.0	3	0.0
Rabies, Animal*	53	n/a	77	n/a	70	n/a	59	n/a	86	n/a	70	n/a	69	n/a
Rocky Mountain Spotted Fever (RMSF)	10	0.1	11	0.1	20	0.2	26	0.2	9	0.1	11	0.1	15	0.1
St. Louis Encephalitis*	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	1	0.0	0	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Trichinosis	0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tularemia	0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhus Fever, Murine	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	108	0.9	12	0.1	61	0.5	48	0.4	23	0.2	48	0.4	50	0.4
<b>SUB-TOTAL</b>	<b>302</b>	<b>2.2</b>	<b>219</b>	<b>1.2</b>	<b>257</b>	<b>1.6</b>	<b>229</b>	<b>1.5</b>	<b>206</b>	<b>1.0</b>	<b>229</b>	<b>1.5</b>	<b>243</b>	<b>1.5</b>
<b>GRAND TOTAL</b>	<b>15,936</b>	<b>138.1</b>	<b>15,945</b>	<b>137.4</b>	<b>21,197</b>	<b>183.1</b>	<b>25,851</b>	<b>222.7</b>	<b>27,919</b>	<b>240.0</b>	<b>21,197</b>	<b>183.1</b>	<b>21,370</b>	<b>184.3</b>
<b>POPULATION</b>	<b>11,435,798</b>		<b>11,459,011</b>		<b>11,464,042</b>		<b>11,478,006</b>		<b>11,466,917</b>		<b>11,464,042</b>		<b>11,460,755</b>	

N = number of cases reported.

Rates use U.S. Census midpoint estimates and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY AGE IN YEARS, OHIO, 2007

GENERAL INFECTIOUS DISEASES	0-4		5-9		10-14		15-19		20-29		30-39	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	5	0.6	2	0.2	7	0.9	3	0.2	6	0.4
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.2
Botulism, Infant	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	152	20.1	39	4.8	37	4.5	54	6.6	101	6.9	135	8.1
Cholera	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	1	0.1	3	0.2	1	0.1
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	186	24.6	98	12.0	56	6.8	33	4.0	66	4.5	66	4.0
Cytomegalovirus (CMV), Congenital	16	2.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	1	0.1	1	0.1	1	0.1	0	0.0	0	0.0	1	0.1
Encephalitis, Primary Viral	3	0.4	4	0.5	2	0.2	0	0.0	1	0.1	3	0.2
<i>Escherichia coli</i> O157:H7	18	2.4	13	1.6	8	1.0	10	1.2	8	0.6	4	0.2
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	4	0.5	0	0.0	5	0.6	5	0.6	2	0.1	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	6	0.8	1	0.1	2	0.2	1	0.1	5	0.3	3	0.2
Giardiasis	186	24.6	106	13.0	38	4.6	33	4.0	74	5.1	106	6.4
<i>Haemophilus influenzae</i> , Invasive Disease	17	2.3	1	0.1	1	0.1	2	0.2	6	0.4	2	0.1
Hemolytic Uremic Syndrome (HUS)	6	0.8	3	0.4	2	0.2	0	0.0	0	0.0	0	0.0
Kawasaki Disease	28	3.7	9	1.1	1	0.1	0	0.0	0	0.0	0	0.0
Legionellosis	0	0.0	2	0.2	0	0.0	0	0.0	2	0.1	13	0.8
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	6	0.8	0	0.0	0	0.0	0	0.0	2	0.1	1	0.1
Meningitis, Aseptic	182	24.1	51	6.3	43	5.2	68	8.3	126	8.6	133	8.0
Meningitis, Other Bacterial*	6	0.8	1	0.1	0	0.0	2	0.2	5	0.3	6	0.4
Meningococcal Disease	15	2.0	0	0.0	1	0.1	4	0.5	2	0.1	2	0.1
Rheumatic Fever	0	0.0	1	0.1	1	0.1	2	0.2	0	0.0	0	0.0
Salmonellosis	248	32.9	74	9.1	69	8.3	80	9.8	160	10.9	137	8.2
Shigellosis	613	81.2	318	39.0	88	10.6	34	4.2	98	6.7	50	3.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	16	2.1	9	1.1	6	0.7	2	0.2	14	1.0	18	1.1
Streptococcal Disease, Group B, in Newborn	49	6.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	117	15.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	0	0.0	8	1.0	1	0.1	4	0.5	16	1.1	21	1.3
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	0	0.0	14	1.7	11	1.3	11	1.4	21	1.4	39	2.3
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0
Typhoid Fever	2	0.3	2	0.2	0	0.0	1	0.1	3	0.2	1	0.1
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
Vibriosis, Other (Not Cholera)	0	0.0	1	0.1	1	0.1	0	0.0	0	0.0	1	0.1
Yersiniosis	19	2.5	1	0.1	2	0.2	3	0.4	5	0.3	3	0.2
<b>SUB-TOTAL</b>	<b>1,897</b>	<b>251.3</b>	<b>762</b>	<b>93.3</b>	<b>380</b>	<b>45.9</b>	<b>358</b>	<b>43.8</b>	<b>724</b>	<b>49.4</b>	<b>757</b>	<b>45.4</b>

## HEPATITIS

Hepatitis A	1	0.1	3	0.4	5	0.6	10	1.2	15	1.0	6	0.4
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	2	0.2	36	2.5	32	1.9
Hepatitis B, Chronic*	25	3.3	17	2.1	23	2.8	112	13.7	458	31.3	586	35.1
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	5	0.3	8	0.5
Hepatitis C, Past or Present*	22	2.9	2	0.2	8	1.0	109	13.3	1,288	87.9	1,626	97.5
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	1	0.1
<b>SUB-TOTAL</b>	<b>48</b>	<b>6.4</b>	<b>22</b>	<b>2.7</b>	<b>36</b>	<b>4.3</b>	<b>233</b>	<b>28.5</b>	<b>1,803</b>	<b>123.1</b>	<b>2,259</b>	<b>135.4</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY AGE IN YEARS, OHIO, 2007

VACCINE-PREVENTABLE	0-4		5-9		10-14		15-19		20-29		30-39	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Influenza-Associated Pediatric Mortality*	1	0.1	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Mumps	3	0.4	8	1.0	4	0.5	6	0.7	0	0.0	2	0.1
Pertussis	291	38.5	145	17.8	119	14.4	109	13.3	34	2.3	47	2.8
Varicella*	432	57.2	2,405	294.6	1,209	146.0	121	14.8	28	1.9	25	1.5
<b>SUB-TOTAL</b>	<b>727</b>	<b>96.3</b>	<b>2,558</b>	<b>313.3</b>	<b>1,332</b>	<b>160.9</b>	<b>237</b>	<b>29.0</b>	<b>62</b>	<b>4.2</b>	<b>74</b>	<b>4.4</b>
<b>ZOONOSES</b>												
Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	2	0.2	1	0.1	1	0.1
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
LaCrosse Encephalitis*	3	0.4	1	0.1	3	0.4	1	0.1	0	0.0	1	0.1
Lyme Disease*	0	0.0	1	0.1	5	0.6	4	0.5	4	0.3	5	0.3
Malaria	1	0.1	2	0.2	4	0.5	5	0.6	7	0.5	5	0.3
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	1	0.1	1	0.1	0	0.0	1	0.1	2	0.1
Toxoplasmosis, Congenital	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	1	0.1	0	0.0	4	0.3	2	0.1
<b>SUB-TOTAL</b>	<b>5</b>	<b>0.7</b>	<b>5</b>	<b>0.6</b>	<b>14</b>	<b>1.7</b>	<b>12</b>	<b>1.5</b>	<b>18</b>	<b>1.2</b>	<b>16</b>	<b>1.0</b>
<b>GRAND TOTAL</b>	<b>2,677</b>	<b>354.6</b>	<b>3,347</b>	<b>410.0</b>	<b>1,762</b>	<b>212.9</b>	<b>840</b>	<b>102.8</b>	<b>2,607</b>	<b>178.0</b>	<b>3,106</b>	<b>186.2</b>
<b>POPULATION</b>	<b>754,930</b>		<b>816,346</b>		<b>827,811</b>		<b>816,868</b>		<b>1,464,510</b>		<b>1,668,083</b>	

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY AGE IN YEARS, OHIO, 2007

GENERAL INFECTIOUS DISEASES	40-49		50-59		60 +		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	2	0.1	1	0.1	5	0.3	2	n/a	33	0.3
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	n/a	3	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
Campylobacteriosis	180	10.3	157	12.2	224	11.4	4	n/a	1,083	9.5
Cholera	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
Coccidioidomycosis*	1	0.1	2	0.2	3	0.2	0	n/a	11	0.1
Creutzfeldt-Jakob Disease (CJD)	0	0.0	1	0.1	8	0.4	1	n/a	10	0.1
Cryptosporidiosis	37	2.1	16	1.3	46	2.3	7	n/a	611	5.4
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	n/a	16	0.1
Encephalitis, Post Other Infection*	0	0.0	1	0.1	0	0.0	0	n/a	5	0.0
Encephalitis, Primary Viral	1	0.1	4	0.3	6	0.3	0	n/a	24	0.2
<i>Escherichia coli</i> O157:H7	4	0.2	4	0.3	10	0.5	1	n/a	80	0.7
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	1	0.1	1	0.1	1	0.1	0	n/a	19	0.2
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	6	0.3	5	0.4	10	0.5	0	n/a	39	0.3
Giardiasis	108	6.2	86	6.7	90	4.6	6	n/a	833	7.3
<i>Haemophilus influenzae</i> , Invasive Disease	4	0.2	11	0.9	68	3.5	2	n/a	114	1.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	1	0.1	0	n/a	12	0.1
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	n/a	38	0.3
Legionellosis	41	2.3	53	4.1	120	6.1	0	n/a	231	2.0
Leprosy (Hansen's Disease)	0	0.0	1	0.1	0	0.0	0	n/a	1	0.0
Listeriosis	2	0.1	2	0.2	20	1.0	0	n/a	33	0.3
Meningitis, Aseptic	86	4.9	64	5.0	56	2.9	7	n/a	816	7.2
Meningitis, Other Bacterial*	10	0.6	8	0.6	11	0.6	0	n/a	49	0.4
Meningococcal Disease	0	0.0	4	0.3	4	0.2	0	n/a	32	0.3
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	n/a	4	0.0
Salmonellosis	132	7.5	145	11.3	264	13.5	14	n/a	1,323	11.7
Shigellosis	25	1.4	26	2.0	20	1.0	5	n/a	1,277	11.3
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	1	0.1	0	0.0	1	0.1	0	n/a	2	0.0
Streptococcal Disease, Group A, Invasive	18	1.0	39	3.0	102	5.2	2	n/a	226	2.0
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	0	n/a	49	0.4
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	2	0.2	8	0.4	0	n/a	12	0.1
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	0	0.0	0	0.0	0	0.0	0	n/a	117	1.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	30	1.7	56	4.4	166	8.5	0	n/a	302	2.7
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	112	6.4	148	11.5	375	19.1	5	n/a	736	6.5
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Typhoid Fever	1	0.1	1	0.1	0	0.0	0	n/a	11	0.1
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	1	0.1	1	0.1	0	n/a	3	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	n/a	3	0.0
Yersiniosis	2	0.1	9	0.7	8	0.4	0	n/a	52	0.5
<b>SUB-TOTAL</b>	<b>804</b>	<b>45.8</b>	<b>848</b>	<b>66.0</b>	<b>1,628</b>	<b>82.9</b>	<b>56</b>	<b>n/a</b>	<b>8,214</b>	<b>72.4</b>

### HEPATITIS

Hepatitis A	7	0.4	11	0.9	11	0.6	0	n/a	69	0.6
Hepatitis B, Acute*	28	1.6	16	1.2	10	0.5	0	n/a	124	1.1
Hepatitis B, Chronic*	546	31.1	397	30.9	250	12.7	13	n/a	2,427	21.4
Hepatitis C, Acute*	4	0.2	1	0.1	1	0.1	0	n/a	19	0.2
Hepatitis C, Past or Present*	3,915	222.9	3,468	269.9	811	41.3	70	n/a	11,319	99.7
Hepatitis E	1	0.1	0	0.0	0	0.0	0	n/a	3	0.0
<b>SUB-TOTAL</b>	<b>4,501</b>	<b>256.3</b>	<b>3,893</b>	<b>303.0</b>	<b>1,083</b>	<b>55.2</b>	<b>83</b>	<b>n/a</b>	<b>13,961</b>	<b>123.0</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY AGE IN YEARS, OHIO, 2007

VACCINE-PREVENTABLE	40-49		50-59		60 +		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Mumps	3	0.2	0	0.0	0	0.0	0	n/a	26	0.2
Pertussis	34	1.9	26	2.0	23	1.2	9	n/a	837	7.4
Varicella*	5	0.3	2	0.2	2	0.1	135	n/a	4,364	38.4
<b>SUB-TOTAL</b>	<b>42</b>	<b>2.4</b>	<b>28</b>	<b>2.2</b>	<b>25</b>	<b>1.3</b>	<b>144</b>	<b>n/a</b>	<b>5,229</b>	<b>46.1</b>

ZOO NOSES										
Anaplasmosis*	0	0.0	1	0.1	1	0.1	0	n/a	2	0.0
Dengue	2	0.1	3	0.2	2	0.1	0	n/a	11	0.1
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	n/a	9	0.1
Lyme Disease*	6	0.3	6	0.5	3	0.2	0	n/a	34	0.3
Malaria	2	0.1	1	0.1	1	0.1	0	n/a	28	0.2
Q Fever	0	0.0	2	0.2	0	0.0	0	n/a	2	0.0
Rabies, Animal*	n/a	n/a	n/a	n/a	n/a	n/a	86	n/a	86	n/a
Rocky Mountain Spotted Fever (RMSF)	2	0.1	1	0.1	1	0.1	0	n/a	9	0.1
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
West Nile Virus*	4	0.2	4	0.3	8	0.4	0	n/a	23	0.2
<b>SUB-TOTAL</b>	<b>16</b>	<b>0.9</b>	<b>18</b>	<b>1.4</b>	<b>16</b>	<b>0.8</b>	<b>86</b>	<b>n/a</b>	<b>206</b>	<b>1.8</b>

<b>GRAND TOTAL</b>	<b>5,363</b>	<b>305.3</b>	<b>4,787</b>	<b>372.6</b>	<b>2,752</b>	<b>140.2</b>	<b>369</b>	<b>n/a</b>	<b>27,610</b>	<b>242.4</b>
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<b>POPULATION</b>	<b>1,756,376</b>	<b>1,284,727</b>	<b>1,963,489</b>	<b>0</b>	<b>11,353,140</b>
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## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY GENDER, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Female		Male		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	12	0.2	16	0.3	5	n/a	33	0.3
Botulism, Foodborne*	0	0.0	3	0.1	0	n/a	3	0.0
Botulism, Infant	1	0.0	0	0.0	0	n/a	1	0.0
Campylobacteriosis	514	8.8	559	10.1	10	n/a	1,083	9.5
Cholera	1	0.0	0	0.0	0	n/a	1	0.0
Coccidioidomycosis*	5	0.1	6	0.1	0	n/a	11	0.1
Creutzfeldt-Jakob Disease (CJD)	5	0.1	5	0.1	0	n/a	10	0.1
Cryptosporidiosis	279	4.8	327	5.9	5	n/a	611	5.4
Cytomegalovirus (CMV), Congenital	7	0.1	9	0.2	0	n/a	16	0.1
Encephalitis, Post Other Infection*	2	0.0	3	0.1	0	n/a	5	0.0
Encephalitis, Primary Viral	9	0.2	15	0.3	0	n/a	24	0.2
<i>Escherichia coli</i> O157:H7	25	0.4	53	1.0	2	n/a	80	0.7
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	10	0.2	9	0.2	0	n/a	19	0.2
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	27	0.5	12	0.2	0	n/a	39	0.3
Giardiasis	357	6.1	456	8.3	20	n/a	833	7.3
<i>Haemophilus influenzae</i> , Invasive Disease	70	1.2	43	0.8	1	n/a	114	1.0
Hemolytic Uremic Syndrome (HUS)	7	0.1	5	0.1	0	n/a	12	0.1
Kawasaki Disease	17	0.3	21	0.4	0	n/a	38	0.3
Legionellosis	75	1.3	156	2.8	0	n/a	231	2.0
Leprosy (Hansen's Disease)	1	0.0	0	0.0	0	n/a	1	0.0
Listeriosis	16	0.3	17	0.3	0	n/a	33	0.3
Meningitis, Aseptic	417	7.1	390	7.1	9	n/a	816	7.2
Meningitis, Other Bacterial*	23	0.4	25	0.5	1	n/a	49	0.4
Meningococcal Disease	9	0.2	23	0.4	0	n/a	32	0.3
Rheumatic Fever	2	0.0	2	0.0	0	n/a	4	0.0
Salmonellosis	731	12.5	577	10.5	15	n/a	1,323	11.7
Shigellosis	654	11.2	572	10.4	51	n/a	1,277	11.3
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	1	0.0	1	0.0	0	n/a	2	0.0
Streptococcal Disease, Group A, Invasive	109	1.9	115	2.1	2	n/a	226	2.0
Streptococcal Disease, Group B, in Newborn	22	0.4	26	0.5	1	n/a	49	0.4
Streptococcal Toxic Shock Syndrome (STSS)	7	0.1	5	0.1	0	n/a	12	0.1
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	53	0.9	63	1.1	1	n/a	117	1.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	156	2.7	143	2.6	3	n/a	302	2.7
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	380	6.5	351	6.4	5	n/a	736	6.5
Toxic Shock Syndrome (TSS)	1	0.0	1	0.0	0	n/a	2	0.0
Typhoid Fever	4	0.1	6	0.1	1	n/a	11	0.1
<i>Vibrio parahaemolyticus</i> Infection	1	0.0	2	0.0	0	n/a	3	0.0
Vibriosis, Other (Not Cholera)	1	0.0	2	0.0	0	n/a	3	0.0
Yersiniosis	31	0.5	20	0.4	1	n/a	52	0.5
<b>SUB-TOTAL</b>	<b>4,042</b>	<b>69.2</b>	<b>4,039</b>	<b>73.3</b>	<b>133</b>	<b>n/a</b>	<b>8,214</b>	<b>72.4</b>

### HEPATITIS

Hepatitis A	33	0.6	35	0.6	1	n/a	69	0.6
Hepatitis B, Acute*	45	0.8	79	1.4	0	n/a	124	1.1
Hepatitis B, Chronic*	973	16.7	1,414	25.7	40	n/a	2,427	21.4
Hepatitis C, Acute*	6	0.1	13	0.2	0	n/a	19	0.2
Hepatitis C, Past or Present*	3,844	65.8	7,383	133.9	92	n/a	11,319	99.7
Hepatitis E	0	0.0	3	0.1	0	n/a	3	0.0
<b>SUB-TOTAL</b>	<b>4,901</b>	<b>83.9</b>	<b>8,927</b>	<b>161.9</b>	<b>133</b>	<b>n/a</b>	<b>13,961</b>	<b>123.0</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	1	0.0	1	0.0	0	n/a	2	0.0
Mumps	14	0.2	12	0.2	0	n/a	26	0.2
Pertussis	458	7.8	374	6.8	5	n/a	837	7.4
Varicella*	2,065	35.4	2,227	40.4	72	n/a	4,364	38.4
<b>SUB-TOTAL</b>	<b>2,538</b>	<b>43.5</b>	<b>2,614</b>	<b>47.4</b>	<b>77</b>	<b>n/a</b>	<b>5,229</b>	<b>46.1</b>



## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY GENDER, OHIO, 2007

ZOOZOSES	Female		Male		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate
Anaplasmosis*	1	0.0	1	0.0	0	n/a	2	0.0
Dengue	3	0.1	8	0.1	0	n/a	11	0.1
<i>Ehrlichia chaffeensis</i> *	0	0.0	1	0.0	0	n/a	1	0.0
LaCrosse Encephalitis*	3	0.1	6	0.1	0	n/a	9	0.1
Lyme Disease*	7	0.1	27	0.5	0	n/a	34	0.3
Malaria	13	0.2	15	0.3	0	n/a	28	0.2
Q Fever	1	0.0	1	0.0	0	n/a	2	0.0
Rabies, Animal*	n/a	n/a	n/a	n/a	86	n/a	86	n/a
Rocky Mountain Spotted Fever (RMSF)	4	0.1	5	0.1	0	n/a	9	0.1
Toxoplasmosis, Congenital	0	0.0	1	0.0	0	n/a	1	0.0
West Nile Virus*	11	0.2	12	0.2	0	n/a	23	0.2
<b>SUB-TOTAL</b>	<b>43</b>	<b>0.7</b>	<b>77</b>	<b>1.4</b>	<b>86</b>	<b>n/a</b>	<b>206</b>	<b>1.8</b>
<b>GRAND TOTAL</b>	<b>11,524</b>	<b>197.3</b>	<b>15,657</b>	<b>284.0</b>	<b>429</b>	<b>n/a</b>	<b>27,610</b>	<b>242.4</b>
<b>POPULATION</b>	<b>5,840,878</b>		<b>5,512,262</b>		<b>0</b>		<b>11,353,140</b>	

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, OHIO, 2007

GENERAL INFECTIOUS DISEASES	January		February		March		April		May		June		July	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Amebiasis	0	0%	1	3%	4	12%	3	9%	6	18%	4	12%	2	6%
Botulism, Foodborne*	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	1	33%
Botulism, Infant	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%
Campylobacteriosis	58	5%	39	4%	70	6%	59	5%	87	8%	141	13%	139	13%
Cholera	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Coccidioidomycosis*	0	0%	1	9%	0	0%	0	0%	1	9%	1	9%	0	0%
Creutzfeldt-Jakob Disease (CJD)	0	0%	0	0%	4	40%	2	20%	0	0%	1	10%	0	0%
Cryptosporidiosis	18	3%	17	3%	16	3%	16	3%	12	2%	16	3%	49	8%
Cytomegalovirus (CMV), Congenital	3	19%	0	0%	3	19%	1	6%	0	0%	0	0%	2	13%
Encephalitis, Post Other Infection*	1	20%	0	0%	1	20%	1	20%	1	20%	1	20%	0	0%
Encephalitis, Primary Viral	2	8%	1	4%	1	4%	2	8%	1	4%	1	4%	5	21%
<i>Escherichia coli</i> O157:H7	3	4%	4	5%	0	0%	2	3%	5	6%	7	9%	19	24%
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0%	0	0%	0	0%	2	11%	1	5%	1	5%	6	32%
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	1	3%	2	5%	2	5%	5	13%	1	3%	5	13%	2	5%
Giardiasis	59	7%	60	7%	68	8%	47	6%	60	7%	60	7%	73	9%
<i>Haemophilus influenzae</i> , Invasive Disease	15	13%	11	10%	9	8%	8	7%	2	2%	10	9%	8	7%
Hemolytic Uremic Syndrome (HUS)	1	8%	0	0%	0	0%	0	0%	0	0%	1	8%	2	17%
Kawasaki Disease	5	13%	1	3%	5	13%	5	13%	5	13%	4	11%	3	8%
Legionellosis	10	4%	6	3%	11	5%	8	3%	14	6%	20	9%	22	10%
Leprosy (Hansen's Disease)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Listeriosis	5	15%	1	3%	1	3%	1	3%	2	6%	0	0%	6	18%
Meningitis, Aseptic	32	4%	34	4%	23	3%	38	5%	46	6%	49	6%	108	13%
Meningitis, Other Bacterial*	4	8%	6	12%	4	8%	3	6%	0	0%	5	10%	7	14%
Meningococcal Disease	2	6%	4	13%	4	13%	3	9%	3	9%	3	9%	2	6%
Rheumatic Fever	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	1	25%
Salmonellosis	78	6%	49	4%	85	6%	91	7%	123	9%	167	13%	183	14%
Shigellosis	9	1%	23	2%	29	2%	35	3%	124	10%	248	19%	215	17%
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%
Streptococcal Disease, Group A, Invasive	32	14%	22	10%	30	13%	25	11%	27	12%	16	7%	9	4%
Streptococcal Disease, Group B, in Newborn	3	6%	5	10%	4	8%	0	0%	3	6%	3	6%	2	4%
Streptococcal Toxic Shock Syndrome (STSS)	0	0%	0	0%	5	42%	3	25%	0	0%	0	0%	1	8%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	15	13%	14	12%	11	9%	12	10%	4	3%	8	7%	6	5%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	39	13%	26	9%	39	13%	34	11%	32	11%	14	5%	9	3%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	91	12%	62	8%	84	11%	80	11%	68	9%	45	6%	24	3%
Toxic Shock Syndrome (TSS)	0	0%	1	50%	0	0%	0	0%	1	50%	0	0%	0	0%
Typhoid Fever	0	0%	0	0%	1	9%	1	9%	0	0%	0	0%	0	0%
<i>Vibrio parahaemolyticus</i> Infection	1	33%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%
Vibriosis, Other (Not Cholera)	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%
Yersiniosis	9	17%	6	12%	5	10%	5	10%	2	4%	5	10%	4	8%
<b>SUB-TOTAL</b>	<b>496</b>	<b>6%</b>	<b>396</b>	<b>5%</b>	<b>522</b>	<b>6%</b>	<b>492</b>	<b>6%</b>	<b>632</b>	<b>8%</b>	<b>837</b>	<b>10%</b>	<b>911</b>	<b>11%</b>

### HEPATITIS

Hepatitis A	6	9%	10	14%	4	6%	6	9%	6	9%	3	4%	10	14%
Hepatitis B, Acute*	15	12%	10	8%	10	8%	14	11%	13	10%	9	7%	3	2%
Hepatitis B, Chronic*	25	1%	25	1%	27	1%	155	6%	227	9%	282	12%	148	6%
Hepatitis C, Acute*	3	16%	1	5%	2	11%	0	0%	2	11%	1	5%	1	5%
Hepatitis C, Past or Present*	486	4%	844	7%	1,007	9%	1,187	10%	559	5%	1,243	11%	920	8%
Hepatitis E	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	1	33%
<b>SUB-TOTAL</b>	<b>535</b>	<b>4%</b>	<b>890</b>	<b>6%</b>	<b>1,051</b>	<b>8%</b>	<b>1,362</b>	<b>10%</b>	<b>807</b>	<b>6%</b>	<b>1,538</b>	<b>11%</b>	<b>1,083</b>	<b>8%</b>

N = number of cases reported.

% = percentage of cases occurring in the month for the disease.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, OHIO, 2007

OUTBREAKS*	January		February		March		April		May		June		July	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Foodborne*	6	7%	5	6%	8	9%	8	9%	16	18%	9	10%	8	9%
Waterborne*	0	0%	1	11%	4	44%	0	0%	0	0%	1	11%	0	0%
Unspecified*	0	0%	2	7%	1	4%	0	0%	0	0%	4	14%	3	11%
Conjunctivitis*	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Nosocomial*	1	13%	2	25%	0	0%	1	13%	1	13%	0	0%	0	0%
Pediculosis*	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Scabies*	0	0%	0	0%	2	11%	1	6%	0	0%	1	6%	3	17%
Staphylococcal Skin Infections*	0	0%	2	5%	5	13%	2	5%	1	3%	2	5%	0	0%
Unusual Incidence of Non-Class A, Class B or Class C Disease*	16	14%	22	19%	23	20%	8	7%	9	8%	6	5%	3	3%
<b>SUB-TOTAL</b>	<b>23</b>	<b>7%</b>	<b>34</b>	<b>11%</b>	<b>43</b>	<b>14%</b>	<b>20</b>	<b>6%</b>	<b>27</b>	<b>9%</b>	<b>23</b>	<b>7%</b>	<b>17</b>	<b>6%</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0%	2	100%	0	0%	0	0%	0	0%	0	0%	0	0%
Mumps	3	12%	0	0%	3	12%	2	8%	2	8%	1	4%	3	12%
Pertussis	74	9%	50	6%	51	6%	68	8%	65	8%	59	7%	51	6%
Varicella*	703	16%	481	11%	556	13%	517	12%	613	14%	119	3%	51	1%
<b>SUB-TOTAL</b>	<b>780</b>	<b>15%</b>	<b>533</b>	<b>10%</b>	<b>610</b>	<b>12%</b>	<b>587</b>	<b>11%</b>	<b>680</b>	<b>13%</b>	<b>179</b>	<b>3%</b>	<b>105</b>	<b>2%</b>

### ZOO NOSES

Anaplasmosis*	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%
Dengue	1	9%	0	0%	0	0%	1	9%	1	9%	0	0%	1	9%
<i>Ehrlichia chaffeensis</i> *	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%
LaCrosse Encephalitis*	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	22%
Lyme Disease*	0	0%	1	3%	0	0%	1	3%	2	6%	7	21%	9	26%
Malaria	1	4%	2	7%	2	7%	3	11%	1	4%	2	7%	2	7%
Q Fever	1	50%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%
Rabies, Animal*	1	1%	0	0%	0	0%	2	2%	10	12%	8	9%	14	16%
Rocky Mountain Spotted Fever (RMSF)	0	0%	0	0%	1	11%	0	0%	1	11%	1	11%	2	22%
Toxoplasmosis, Congenital	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
West Nile Virus*	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	1	4%
<b>SUB-TOTAL</b>	<b>5</b>	<b>2%</b>	<b>3</b>	<b>1%</b>	<b>3</b>	<b>1%</b>	<b>7</b>	<b>3%</b>	<b>16</b>	<b>8%</b>	<b>19</b>	<b>9%</b>	<b>32</b>	<b>16%</b>

<b>GRAND TOTAL</b>	<b>1,839</b>	<b>7%</b>	<b>1,856</b>	<b>7%</b>	<b>2,229</b>	<b>8%</b>	<b>2,468</b>	<b>9%</b>	<b>2,162</b>	<b>8%</b>	<b>2,596</b>	<b>9%</b>	<b>2,148</b>	<b>8%</b>
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## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, OHIO, 2007

GENERAL INFECTIOUS DISEASES	August		September		October		November		December		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%
Amebiasis	0	0%	6	18%	4	12%	3	9%	0	0%	33	100%
Botulism, Foodborne*	1	33%	0	0%	0	0%	0	0%	0	0%	3	100%
Botulism, Infant	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%
Campylobacteriosis	133	12%	95	9%	91	8%	79	7%	92	8%	1,083	100%
Cholera	1	100%	0	0%	0	0%	0	0%	0	0%	1	100%
Coccidioidomycosis*	3	27%	1	9%	3	27%	1	9%	0	0%	11	100%
Creutzfeldt-Jakob Disease (CJD)	1	10%	1	10%	0	0%	1	10%	0	0%	10	100%
Cryptosporidiosis	207	34%	157	26%	62	10%	22	4%	19	3%	611	100%
Cytomegalovirus (CMV), Congenital	2	13%	0	0%	2	13%	2	13%	1	6%	16	100%
Encephalitis, Post Other Infection*	0	0%	0	0%	0	0%	0	0%	0	0%	5	100%
Encephalitis, Primary Viral	2	8%	4	17%	1	4%	4	17%	0	0%	24	100%
<i>Escherichia coli</i> O157:H7	17	21%	15	19%	6	8%	1	1%	1	1%	80	100%
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	3	16%	2	11%	3	16%	1	5%	0	0%	19	100%
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	5	13%	6	15%	8	21%	1	3%	1	3%	39	100%
Giardiasis	99	12%	87	10%	96	12%	62	7%	62	7%	833	100%
<i>Haemophilus influenzae</i> , Invasive Disease	8	7%	6	5%	7	6%	10	9%	20	18%	114	100%
Hemolytic Uremic Syndrome (HUS)	4	33%	2	17%	2	17%	0	0%	0	0%	12	100%
Kawasaki Disease	3	8%	3	8%	0	0%	2	5%	2	5%	38	100%
Legionellosis	60	26%	20	9%	24	10%	14	6%	22	10%	231	100%
Leprosy (Hansen's Disease)	1	100%	0	0%	0	0%	0	0%	0	0%	1	100%
Listeriosis	2	6%	4	12%	6	18%	4	12%	1	3%	33	100%
Meningitis, Aseptic	154	19%	116	14%	98	12%	59	7%	59	7%	816	100%
Meningitis, Other Bacterial*	7	14%	3	6%	2	4%	3	6%	5	10%	49	100%
Meningococcal Disease	2	6%	3	9%	3	9%	3	9%	0	0%	32	100%
Rheumatic Fever	0	0%	0	0%	0	0%	1	25%	1	25%	4	100%
Salmonellosis	142	11%	121	9%	120	9%	91	7%	73	6%	1,323	100%
Shigellosis	152	12%	151	12%	99	8%	107	8%	85	7%	1,277	100%
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0%	0	0%	0	0%	0	0%	1	50%	2	100%
Streptococcal Disease, Group A, Invasive	10	4%	6	3%	8	4%	11	5%	30	13%	226	100%
Streptococcal Disease, Group B, in Newborn	4	8%	9	18%	3	6%	5	10%	8	16%	49	100%
Streptococcal Toxic Shock Syndrome (STSS)	1	8%	0	0%	0	0%	1	8%	1	8%	12	100%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	5	4%	3	3%	9	8%	14	12%	16	14%	117	100%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	7	2%	18	6%	12	4%	35	12%	37	12%	302	100%
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	22	3%	33	4%	36	5%	92	13%	99	13%	736	100%
Toxic Shock Syndrome (TSS)	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%
Typhoid Fever	4	36%	1	9%	4	36%	0	0%	0	0%	11	100%
<i>Vibrio parahaemolyticus</i> Infection	1	33%	0	0%	0	0%	0	0%	0	0%	3	100%
Vibriosis, Other (Not Cholera)	0	0%	1	33%	1	33%	0	0%	0	0%	3	100%
Yersiniosis	2	4%	2	4%	6	12%	5	10%	1	2%	52	100%
<b>SUB-TOTAL</b>	<b>1,065</b>	<b>13%</b>	<b>876</b>	<b>11%</b>	<b>716</b>	<b>9%</b>	<b>634</b>	<b>8%</b>	<b>637</b>	<b>8%</b>	<b>8,214</b>	<b>100%</b>

### HEPATITIS

Hepatitis A	5	7%	2	3%	7	10%	7	10%	3	4%	69	100%
Hepatitis B, Acute*	11	9%	10	8%	13	10%	6	5%	10	8%	124	100%
Hepatitis B, Chronic*	163	7%	253	10%	310	13%	517	21%	295	12%	2,427	100%
Hepatitis C, Acute*	3	16%	2	11%	1	5%	0	0%	3	16%	19	100%
Hepatitis C, Past or Present*	629	6%	1,208	11%	888	8%	1,035	9%	1,313	12%	11,319	100%
Hepatitis E	1	33%	0	0%	0	0%	0	0%	0	0%	3	100%
<b>SUB-TOTAL</b>	<b>812</b>	<b>6%</b>	<b>1,475</b>	<b>11%</b>	<b>1,219</b>	<b>9%</b>	<b>1,565</b>	<b>11%</b>	<b>1,624</b>	<b>12%</b>	<b>13,961</b>	<b>100%</b>

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF ONSET, OHIO, 2007

OUTBREAKS*	August		September		October		November		December		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%
Foodborne*	8	9%	3	3%	5	6%	6	7%	5	6%	87	100%
Waterborne*	0	0%	1	11%	0	0%	0	0%	2	22%	9	100%
Unspecified*	6	21%	2	7%	4	14%	2	7%	4	14%	28	100%
Conjunctivitis*	0	0%	0	0%	0	0%	1	50%	1	50%	2	100%
Nosocomial*	0	0%	1	13%	1	13%	0	0%	1	13%	8	100%
Pediculosis*	0	0%	0	0%	0	0%	0	0%	1	100%	1	100%
Scabies*	2	11%	0	0%	4	22%	2	11%	3	17%	18	100%
Staphylococcal Skin Infections*	2	5%	5	13%	9	23%	4	10%	7	18%	39	100%
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	0%	2	2%	3	3%	6	5%	19	16%	117	100%
<b>SUB-TOTAL</b>	<b>18</b>	<b>6%</b>	<b>14</b>	<b>5%</b>	<b>26</b>	<b>8%</b>	<b>21</b>	<b>7%</b>	<b>43</b>	<b>14%</b>	<b>309</b>	<b>100%</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%
Mumps	2	8%	3	12%	2	8%	4	15%	1	4%	26	100%
Pertussis	64	8%	52	6%	104	12%	116	14%	83	10%	837	100%
Varicella*	83	2%	249	6%	309	7%	370	8%	313	7%	4,364	100%
<b>SUB-TOTAL</b>	<b>149</b>	<b>3%</b>	<b>304</b>	<b>6%</b>	<b>415</b>	<b>8%</b>	<b>490</b>	<b>9%</b>	<b>397</b>	<b>8%</b>	<b>5,229</b>	<b>100%</b>

### ZOO NOSES

Anaplasmosis*	1	50%	0	0%	0	0%	0	0%	0	0%	2	100%
Dengue	3	27%	2	18%	1	9%	1	9%	0	0%	11	100%
<i>Ehrlichia chaffeensis</i> *	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%
LaCrosse Encephalitis*	5	56%	2	22%	0	0%	0	0%	0	0%	9	100%
Lyme Disease*	6	18%	3	9%	4	12%	0	0%	1	3%	34	100%
Malaria	3	11%	1	4%	3	11%	5	18%	3	11%	28	100%
Q Fever	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%
Rabies, Animal*	19	22%	13	15%	11	13%	8	9%	0	0%	86	100%
Rocky Mountain Spotted Fever (RMSF)	3	33%	1	11%	0	0%	0	0%	0	0%	9	100%
Toxoplasmosis, Congenital	0	0%	0	0%	0	0%	0	0%	1	100%	1	100%
West Nile Virus*	4	17%	14	61%	3	13%	0	0%	0	0%	23	100%
<b>SUB-TOTAL</b>	<b>44</b>	<b>21%</b>	<b>36</b>	<b>17%</b>	<b>22</b>	<b>11%</b>	<b>14</b>	<b>7%</b>	<b>5</b>	<b>2%</b>	<b>206</b>	<b>100%</b>

<b>GRAND TOTAL</b>	<b>2,088</b>	<b>7%</b>	<b>2,705</b>	<b>10%</b>	<b>2,398</b>	<b>9%</b>	<b>2,724</b>	<b>10%</b>	<b>2,706</b>	<b>10%</b>	<b>27,919</b>	<b>100%</b>
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# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Adams		Allen		Ashland		Ashtabula		Athens		Auglaize		Belmont	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	3	11.0	3	2.8	6	11.4	0	0.0	1	1.6	11	23.6	1	1.4
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.2	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	0	0.0	1	0.9	2	3.8	0	0.0	0	0.0	10	21.5	2	2.9
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.2	0	0.0
<i>Escherichia coli</i> O157:H7	2	7.3	3	2.8	1	1.9	0	0.0	0	0.0	0	0.0	1	1.4
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Giardiasis	1	3.7	12	11.1	6	11.4	3	2.9	3	4.8	4	8.6	6	8.5
<i>Haemophilus influenzae</i> , Invasive Disease	0	0.0	2	1.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	0	0.0	4	3.7	0	0.0	2	2.0	1	1.6	0	0.0	2	2.9
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4
Meningitis, Aseptic	3	11.0	22	20.3	4	7.6	1	1.0	2	3.2	3	6.4	11	15.7
Meningitis, Other Bacterial*	0	0.0	5	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	6	22.0	12	11.1	0	0.0	9	8.8	8	12.9	5	10.7	8	11.4
Shigellosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	0	0.0	1	1.9	0	0.0	2	3.2	0	0.0	1	1.4
Streptococcal Disease, Group B, in Newborn	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	0	0.0	7	6.5	0	0.0	0	0.0	1	1.6	2	4.3	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	0	0.0	4	3.7	0	0.0	3	2.9	0	0.0	3	6.4	2	2.9
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	1	3.7	8	7.4	1	1.9	3	2.9	2	3.2	6	12.9	5	7.1
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	1	0.9	0	0.0	0	0.0	1	1.6	0	0.0	1	1.4
<b>SUB-TOTAL</b>	<b>16</b>	<b>58.5</b>	<b>87</b>	<b>80.2</b>	<b>22</b>	<b>41.9</b>	<b>21</b>	<b>20.4</b>	<b>22</b>	<b>35.4</b>	<b>46</b>	<b>98.7</b>	<b>41</b>	<b>58.4</b>

## HEPATITIS

Hepatitis A	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Chronic*	5	18.3	8	7.4	4	7.6	6	5.8	11	17.7	1	2.1	4	5.7
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	15	54.9	66	60.8	15	28.6	36	35.0	40	64.3	8	17.2	32	45.6
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>20</b>	<b>73.2</b>	<b>76</b>	<b>70.1</b>	<b>19</b>	<b>36.2</b>	<b>42</b>	<b>40.9</b>	<b>51</b>	<b>82.0</b>	<b>9</b>	<b>19.3</b>	<b>36</b>	<b>51.3</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Adams		Allen		Ashland		Ashtabula		Athens		Auglaize		Belmont	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	2	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	3	n/a	2	n/a	1	n/a	0	n/a	0	n/a	1	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>7</b>	<b>n/a</b>	<b>3</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

VACCINE-PREVENTABLE														
Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pertussis	2	7.3	1	0.9	7	13.3	0	0.0	5	8.0	2	4.3	0	0.0
Varicella*	0	0.0	14	12.9	64	121.9	0	0.0	30	48.2	66	141.6	20	28.5
<b>SUB-TOTAL</b>	<b>2</b>	<b>7.3</b>	<b>15</b>	<b>13.8</b>	<b>71</b>	<b>135.2</b>	<b>0</b>	<b>0.0</b>	<b>35</b>	<b>56.2</b>	<b>68</b>	<b>145.9</b>	<b>20</b>	<b>28.5</b>

ZOO NOSES														
Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.1	0	0.0
Lyme Disease*	0	0.0	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>0</b>	<b>0.0</b>	<b>2</b>	<b>0.9</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>2.1</b>	<b>1</b>	<b>1.4</b>

<b>GRAND TOTAL</b>	<b>38</b>	<b>139.0</b>	<b>187</b>	<b>165.0</b>	<b>115</b>	<b>213.2</b>	<b>65</b>	<b>61.3</b>	<b>108</b>	<b>173.6</b>	<b>125</b>	<b>266.0</b>	<b>99</b>	<b>139.5</b>
<b>POPULATION</b>	<b>27,330</b>		<b>108,473</b>		<b>52,523</b>		<b>102,728</b>		<b>62,223</b>		<b>46,611</b>		<b>70,226</b>	

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Brown		Butler		Carroll		Champaign		Clark		Clermont		Clinton	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	5	11.8	23	6.9	9	31.2	1	2.6	17	11.8	6	3.4	6	14.8
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	4	9.5	37	11.1	1	3.5	0	0.0	0	0.0	93	52.3	2	4.9
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	2	0.6	0	0.0	1	2.6	2	1.4	4	2.3	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	2	1.4	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
Giardiasis	5	11.8	27	8.1	2	6.9	3	7.7	6	4.2	20	11.2	1	2.5
<i>Haemophilus influenzae</i> , Invasive Disease	1	2.4	2	0.6	0	0.0	0	0.0	2	1.4	1	0.6	1	2.5
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0
Kawasaki Disease	0	0.0	3	0.9	0	0.0	1	2.6	0	0.0	3	1.7	0	0.0
Legionellosis	0	0.0	1	0.3	1	3.5	2	5.1	4	2.8	0	0.0	1	2.5
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	0	0.0	27	8.1	1	3.5	4	10.3	8	5.5	21	11.8	5	12.3
Meningitis, Other Bacterial*	0	0.0	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
Meningococcal Disease	0	0.0	2	0.6	0	0.0	0	0.0	1	0.7	1	0.6	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	5	11.8	51	15.3	2	6.9	4	10.3	12	8.3	13	7.3	7	17.3
Shigellosis	3	7.1	41	12.3	0	0.0	0	0.0	1	0.7	59	33.2	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	7	2.1	1	3.5	0	0.0	3	2.1	3	1.7	1	2.5
Streptococcal Disease, Group B, in Newborn	1	2.4	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	3	7.1	4	1.2	0	0.0	0	0.0	1	0.7	2	1.1	1	2.5
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	1	2.4	2	0.6	2	6.9	0	0.0	5	3.5	6	3.4	1	2.5
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	0	0.0	9	2.7	5	17.3	3	7.7	17	11.8	14	7.9	4	9.9
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	5	1.5	0	0.0	0	0.0	3	2.1	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>28</b>	<b>66.2</b>	<b>245</b>	<b>73.6</b>	<b>25</b>	<b>86.7</b>	<b>19</b>	<b>48.9</b>	<b>87</b>	<b>60.1</b>	<b>247</b>	<b>138.8</b>	<b>30</b>	<b>74.0</b>

## HEPATITIS

Hepatitis A	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	1	2.6	2	1.4	2	1.1	0	0.0
Hepatitis B, Chronic*	4	9.5	56	16.8	1	3.5	2	5.1	19	13.1	20	11.2	1	2.5
Hepatitis C, Acute*	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	2	1.1	0	0.0
Hepatitis C, Past or Present*	39	92.2	236	70.9	16	55.5	21	54.0	158	109.2	162	91.0	16	39.5
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>43</b>	<b>101.7</b>	<b>293</b>	<b>88.0</b>	<b>18</b>	<b>62.4</b>	<b>24</b>	<b>61.7</b>	<b>179</b>	<b>123.7</b>	<b>186</b>	<b>104.5</b>	<b>17</b>	<b>41.9</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).



## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Brown		Butler		Carroll		Champaign		Clark		Clermont		Clinton	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	5	n/a	0	n/a	1	n/a	7	n/a	1	n/a	0	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	1	n/a	0	n/a	0	n/a	1	n/a	0	n/a	1	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	1	n/a	0	n/a	0	n/a	4	n/a	2	n/a	1	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>13</b>	<b>n/a</b>	<b>3</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>

VACCINE-PREVENTABLE														
Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	1	2.6	0	0.0	4	2.2	0	0.0
Pertussis	0	0.0	2	0.6	1	3.5	1	2.6	3	2.1	17	9.6	6	14.8
Varicella*	48	113.5	158	47.5	2	6.9	6	15.4	30	20.7	77	43.3	5	12.3
<b>SUB-TOTAL</b>	<b>48</b>	<b>113.5</b>	<b>160</b>	<b>48.1</b>	<b>3</b>	<b>10.4</b>	<b>8</b>	<b>20.6</b>	<b>33</b>	<b>22.8</b>	<b>98</b>	<b>55.1</b>	<b>11</b>	<b>27.1</b>

ZOO NOSES														
Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	0	0.0	1	0.3	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0
Malaria	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	0	n/a	1	n/a	0	n/a	0	n/a	5	n/a	1	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	1	0.6	1	2.5
<b>SUB-TOTAL</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>1.2</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>6</b>	<b>0.7</b>	<b>4</b>	<b>1.7</b>	<b>1</b>	<b>2.5</b>

<b>GRAND TOTAL</b>	<b>119</b>	<b>281.4</b>	<b>711</b>	<b>210.9</b>	<b>46</b>	<b>159.5</b>	<b>52</b>	<b>131.1</b>	<b>318</b>	<b>210.0</b>	<b>538</b>	<b>300.0</b>	<b>61</b>	<b>145.5</b>
<b>POPULATION</b>	<b>42,285</b>		<b>332,807</b>		<b>28,836</b>		<b>38,890</b>		<b>144,742</b>		<b>177,977</b>		<b>40,543</b>	

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Columbiana		Coshocton		Crawford		Cuyahoga		Darke		Defiance		Delaware	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	10	8.9	3	8.2	2	4.3	163	11.7	5	9.4	5	12.7	8	7.3
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	2	0.1	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	3	2.7	4	10.9	4	8.5	23	1.7	4	7.5	0	0.0	7	6.4
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	3	0.2	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	1	2.7	0	0.0	6	0.4	0	0.0	0	0.0	1	0.9
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	1	0.9	1	2.7	0	0.0	0	0.0	0	0.0	1	2.5	1	0.9
Giardiasis	7	6.3	1	2.7	4	8.5	74	5.3	3	5.6	1	2.5	7	6.4
<i>Haemophilus influenzae</i> , Invasive Disease	1	0.9	0	0.0	0	0.0	18	1.3	1	1.9	0	0.0	0	0.0
Hemolytic Uremic Syndrome (HUS)	1	0.9	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Kawasaki Disease	0	0.0	0	0.0	0	0.0	6	0.4	0	0.0	0	0.0	0	0.0
Legionellosis	1	0.9	1	2.7	0	0.0	52	3.7	0	0.0	0	0.0	2	1.8
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	0	0.0	5	0.4	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	1	0.9	1	2.7	2	4.3	76	5.5	0	0.0	0	0.0	11	10.0
Meningitis, Other Bacterial*	0	0.0	0	0.0	0	0.0	11	0.8	0	0.0	0	0.0	0	0.0
Meningococcal Disease	0	0.0	0	0.0	0	0.0	5	0.4	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Salmonellosis	7	6.3	3	8.2	4	8.5	150	10.8	12	22.5	9	22.8	26	23.6
Shigellosis	0	0.0	0	0.0	0	0.0	100	7.2	0	0.0	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	5	4.5	1	2.7	1	2.1	28	2.0	0	0.0	1	2.5	1	0.9
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	11	0.8	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	0	0.0	0	0.0	0	0.0	13	0.9	1	1.9	0	0.0	4	3.6
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	4	3.6	1	2.7	0	0.0	31	2.2	0	0.0	0	0.0	2	1.8
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	9	8.0	5	13.6	3	6.4	54	3.9	3	5.6	3	7.6	13	11.8
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	1	0.9
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.9
Yersiniosis	1	0.9	0	0.0	0	0.0	10	0.7	0	0.0	0	0.0	1	0.9
<b>SUB-TOTAL</b>	<b>51</b>	<b>45.5</b>	<b>22</b>	<b>60.0</b>	<b>20</b>	<b>42.6</b>	<b>853</b>	<b>61.2</b>	<b>29</b>	<b>54.4</b>	<b>21</b>	<b>53.2</b>	<b>86</b>	<b>78.2</b>

## HEPATITIS

Hepatitis A	0	0.0	0	0.0	0	0.0	16	1.2	0	0.0	0	0.0	1	0.9
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	24	1.7	0	0.0	0	0.0	1	0.9
Hepatitis B, Chronic*	7	6.2	2	5.5	2	4.3	315	22.6	2	3.8	3	7.6	18	16.4
Hepatitis C, Acute*	1	0.9	0	0.0	0	0.0	10	0.7	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	53	47.3	16	43.7	25	53.2	1,388	99.6	13	24.4	8	20.3	34	30.9
Hepatitis E	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>61</b>	<b>54.4</b>	<b>18</b>	<b>49.1</b>	<b>27</b>	<b>57.5</b>	<b>1,754</b>	<b>125.8</b>	<b>15</b>	<b>28.1</b>	<b>11</b>	<b>27.8</b>	<b>54</b>	<b>49.1</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Columbiana		Coshocton		Crawford		Cuyahoga		Darke		Defiance		Delaware	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	0	n/a	11	n/a	2	n/a	0	n/a	1	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	3	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	7	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	2	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	0	n/a	8	n/a	2	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	0	n/a	28	n/a	0	n/a	0	n/a	3	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>60</b>	<b>n/a</b>	<b>4</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>5</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	4	0.3	0	0.0	1	2.5	0	0.0
Pertussis	1	0.9	0	0.0	1	2.1	37	2.7	2	3.8	0	0.0	182	165.5
Varicella*	38	33.9	15	40.9	8	17.0	185	13.3	15	28.1	42	106.3	84	76.4
<b>SUB-TOTAL</b>	<b>39</b>	<b>34.8</b>	<b>15</b>	<b>40.9</b>	<b>9</b>	<b>19.2</b>	<b>226</b>	<b>16.2</b>	<b>17</b>	<b>31.9</b>	<b>43</b>	<b>108.9</b>	<b>266</b>	<b>241.8</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5	1	0.9
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.9	0	0.0	0	0.0	5	0.4	0	0.0	0	0.0	1	0.9
Malaria	0	0.0	0	0.0	0	0.0	4	0.3	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5	0	0.0
Rabies, Animal*	0	n/a	0	n/a	0	n/a	6	n/a	1	n/a	0	n/a	3	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	6	0.4	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>1</b>	<b>0.9</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>2.1</b>	<b>21</b>	<b>1.1</b>	<b>1</b>	<b>0.0</b>	<b>2</b>	<b>5.1</b>	<b>5</b>	<b>1.8</b>

<b>GRAND TOTAL</b>	<b>152</b>	<b>135.6</b>	<b>56</b>	<b>150.0</b>	<b>57</b>	<b>121.4</b>	<b>2,914</b>	<b>204.3</b>	<b>66</b>	<b>114.4</b>	<b>77</b>	<b>194.9</b>	<b>416</b>	<b>370.9</b>
<b>POPULATION</b>	<b>112,075</b>		<b>36,655</b>		<b>46,966</b>		<b>1,393,978</b>		<b>53,309</b>		<b>39,500</b>		<b>109,989</b>	

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Erie		Fairfield		Fayette		Franklin		Fulton		Gallia		Geauga	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	3	2.4	0	0.0	16	1.5	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	3	3.8	8	6.5	1	3.5	70	6.6	3	7.1	0	0.0	19	20.9
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	0	0.0	1	0.8	0	0.0	25	2.3	0	0.0	0	0.0	2	2.2
Cytomegalovirus (CMV), Congenital	0	0.0	1	0.8	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	1	0.1	1	2.4	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	0	0.0	0	0.0	4	0.4	0	0.0	1	3.2	2	2.2
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	1	0.1	1	2.4	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	1	0.8	1	3.5	2	0.2	0	0.0	1	3.2	0	0.0
Giardiasis	1	1.3	9	7.3	0	0.0	110	10.3	2	4.8	0	0.0	10	11.0
<i>Haemophilus influenzae</i> , Invasive Disease	0	0.0	0	0.0	0	0.0	3	0.3	0	0.0	0	0.0	1	1.1
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	0	0.0	1	0.8	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0
Legionellosis	0	0.0	2	1.6	0	0.0	39	3.7	0	0.0	0	0.0	2	2.2
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	0	0.0	4	0.4	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	0	0.0	20	16.3	1	3.5	74	6.9	0	0.0	1	3.2	5	5.5
Meningitis, Other Bacterial*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.1
Meningococcal Disease	1	1.3	0	0.0	0	0.0	5	0.5	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0
Salmonellosis	8	10.1	22	17.9	4	14.1	123	11.5	7	16.6	6	19.3	14	15.4
Shigellosis	0	0.0	0	0.0	0	0.0	14	1.3	0	0.0	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	0	0.0	0	0.0	33	3.1	0	0.0	0	0.0	2	2.2
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	1	3.5	6	0.6	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	4	0.4	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	0	0.0	1	0.8	0	0.0	8	0.8	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	2	2.5	0	0.0	0	0.0	25	2.3	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	2	2.5	4	3.3	2	7.0	87	8.1	0	0.0	0	0.0	7	7.7
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	1	0.8	0	0.0	7	0.7	0	0.0	0	0.0	1	1.1
<b>SUB-TOTAL</b>	<b>17</b>	<b>21.4</b>	<b>75</b>	<b>61.1</b>	<b>10</b>	<b>35.2</b>	<b>672</b>	<b>62.9</b>	<b>15</b>	<b>35.6</b>	<b>9</b>	<b>29.0</b>	<b>66</b>	<b>72.6</b>

## HEPATITIS

Hepatitis A	1	1.3	0	0.0	0	0.0	10	0.9	0	0.0	0	0.0	1	1.1
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	15	1.4	0	0.0	0	0.0	1	1.1
Hepatitis B, Chronic*	1	1.3	20	16.3	1	3.5	730	68.3	2	4.8	2	6.4	9	9.9
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	20	25.1	98	79.8	5	17.6	1,144	107.0	10	23.8	31	99.8	28	30.8
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>22</b>	<b>27.7</b>	<b>118</b>	<b>96.1</b>	<b>6</b>	<b>21.1</b>	<b>1,899</b>	<b>177.6</b>	<b>12</b>	<b>28.5</b>	<b>33</b>	<b>106.2</b>	<b>39</b>	<b>42.9</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Erie		Fairfield		Fayette		Franklin		Fulton		Gallia		Geauga	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	0	n/a	0	n/a	8	n/a	0	n/a	0	n/a	0	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	2	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	1	n/a	2	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	3	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	1	n/a	0	n/a	3	n/a	1	n/a	1	n/a	1	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	1	n/a	1	n/a	0	n/a	9	n/a	0	n/a	0	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>1</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>28</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Pertussis	0	0.0	20	16.3	0	0.0	284	26.6	0	0.0	0	0.0	4	4.4
Varicella*	4	5.0	92	74.9	27	95.0	295	27.6	41	97.4	43	138.4	88	96.8
<b>SUB-TOTAL</b>	<b>4</b>	<b>5.0</b>	<b>112</b>	<b>91.2</b>	<b>27</b>	<b>95.0</b>	<b>580</b>	<b>54.3</b>	<b>41</b>	<b>97.4</b>	<b>43</b>	<b>138.4</b>	<b>92</b>	<b>101.2</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	0	0.0	1	0.8	0	0.0	2	0.2	0	0.0	0	0.0	1	1.1
Malaria	0	0.0	0	0.0	0	0.0	8	0.7	0	0.0	0	0.0	4	4.4
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	1	n/a	0	n/a	0	n/a	8	n/a	0	n/a	1	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	1	1.1
<b>SUB-TOTAL</b>	<b>1</b>	<b>0.0</b>	<b>2</b>	<b>1.6</b>	<b>1</b>	<b>3.5</b>	<b>20</b>	<b>1.1</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>6</b>	<b>6.6</b>

<b>GRAND TOTAL</b>	<b>45</b>	<b>54.1</b>	<b>309</b>	<b>250.1</b>	<b>45</b>	<b>154.7</b>	<b>3,199</b>	<b>295.9</b>	<b>69</b>	<b>161.6</b>	<b>88</b>	<b>273.6</b>	<b>204</b>	<b>223.3</b>
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<b>POPULATION</b>	<b>79,551</b>	<b>122,759</b>	<b>28,433</b>	<b>1,068,978</b>	<b>42,084</b>	<b>31,069</b>	<b>90,895</b>
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N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Greene		Guernsey		Hamilton		Hancock		Hardin		Harrison		Henry	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	7	0.8	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	13	8.8	1	2.5	86	10.2	7	9.8	2	6.3	3	18.9	3	10.3
Cholera	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	2	1.4	7	17.2	115	13.6	11	15.4	0	0.0	1	6.3	0	0.0
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	1	0.1	1	1.4	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	1	0.7	2	4.9	0	0.0	0	0.0	1	3.1	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	0	0.0	8	1.0	0	0.0	1	3.1	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	3	0.4	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	4	2.7	0	0.0	0	0.0	2	2.8	0	0.0	0	0.0	0	0.0
Giardiasis	7	4.7	10	24.5	70	8.3	5	7.0	1	3.1	0	0.0	1	3.4
<i>Haemophilus influenzae</i> , Invasive Disease	1	0.7	0	0.0	12	1.4	0	0.0	0	0.0	2	12.6	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	0	0.0	0	0.0	6	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	1	0.7	0	0.0	2	0.2	1	1.4	0	0.0	1	6.3	1	3.4
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	7	4.7	5	12.3	63	7.5	3	4.2	1	3.1	0	0.0	1	3.4
Meningitis, Other Bacterial*	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0	1	3.4
Meningococcal Disease	0	0.0	0	0.0	3	0.4	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	14	9.5	4	9.8	119	14.1	16	22.4	3	9.4	1	6.3	5	17.1
Shigellosis	8	5.4	0	0.0	899	106.4	0	0.0	0	0.0	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	0	0.0	14	1.7	0	0.0	1	3.1	0	0.0	1	3.4
Streptococcal Disease, Group B, in Newborn	3	2.0	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	2	1.4	1	2.5	8	1.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	2	1.4	0	0.0	26	3.1	1	1.4	1	3.1	1	6.3	1	3.4
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	9	6.1	3	7.4	58	6.9	3	4.2	0	0.0	1	6.3	1	3.4
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	2	1.4	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>76</b>	<b>51.4</b>	<b>33</b>	<b>80.9</b>	<b>1,509</b>	<b>178.5</b>	<b>50</b>	<b>70.1</b>	<b>11</b>	<b>34.4</b>	<b>10</b>	<b>63.1</b>	<b>15</b>	<b>51.4</b>

## HEPATITIS

Hepatitis A	0	0.0	0	0.0	7	0.8	0	0.0	0	0.0	0	0.0	1	3.4
Hepatitis B, Acute*	1	0.7	0	0.0	4	0.5	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Chronic*	23	15.6	2	4.9	222	26.3	10	14.0	2	6.3	0	0.0	2	6.8
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	78	52.7	47	115.2	1,019	120.5	29	40.7	7	21.9	13	82.0	0	0.0
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>102</b>	<b>69.0</b>	<b>49</b>	<b>120.1</b>	<b>1,252</b>	<b>148.1</b>	<b>39</b>	<b>54.7</b>	<b>9</b>	<b>28.2</b>	<b>13</b>	<b>82.0</b>	<b>3</b>	<b>10.3</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Greene		Guernsey		Hamilton		Hancock		Hardin		Harrison		Henry	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	1	n/a	0	n/a	5	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	7	n/a	0	n/a	0	n/a	1	n/a	1	n/a
<b>SUB-TOTAL</b>	<b>2</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>15</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Pertussis	2	1.4	0	0.0	18	2.1	0	0.0	0	0.0	0	0.0	0	0.0
Varicella*	169	114.3	4	9.8	174	20.6	32	44.9	25	78.3	5	31.5	10	34.2
<b>SUB-TOTAL</b>	<b>171</b>	<b>115.6</b>	<b>4</b>	<b>9.8</b>	<b>194</b>	<b>23.0</b>	<b>32</b>	<b>44.9</b>	<b>25</b>	<b>78.3</b>	<b>5</b>	<b>31.5</b>	<b>10</b>	<b>34.2</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	3	0.4	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.7	0	0.0	3	0.4	0	0.0	0	0.0	1	6.3	0	0.0
Malaria	1	0.7	0	0.0	4	0.5	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	2	n/a	2	n/a	6	n/a	2	n/a	0	n/a	0	n/a	1	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	4	0.5	2	2.8	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>5</b>	<b>2.0</b>	<b>2</b>	<b>0.0</b>	<b>20</b>	<b>1.7</b>	<b>4</b>	<b>2.8</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>6.3</b>	<b>1</b>	<b>0.0</b>

<b>GRAND TOTAL</b>	<b>356</b>	<b>238.0</b>	<b>89</b>	<b>210.8</b>	<b>2,990</b>	<b>351.2</b>	<b>126</b>	<b>172.5</b>	<b>45</b>	<b>140.9</b>	<b>30</b>	<b>182.9</b>	<b>30</b>	<b>95.9</b>
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<b>POPULATION</b>	<b>147,886</b>	<b>40,792</b>	<b>845,303</b>	<b>71,295</b>	<b>31,945</b>	<b>15,856</b>	<b>29,210</b>
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N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Highland		Hocking		Holmes		Huron		Jackson		Jefferson		Knox	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	1	1.7	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	7	17.1	2	7.1	5	12.8	4	6.7	1	3.1	8	10.8	3	5.5
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	0	0.0	1	3.5	0	0.0	2	3.4	0	0.0	0	0.0	4	7.3
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Giardiasis	3	7.3	0	0.0	5	12.8	8	13.5	0	0.0	4	5.4	6	11.0
<i>Haemophilus influenzae</i> , Invasive Disease	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0	2	2.7	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	2	4.9	0	0.0	2	5.1	1	1.7	2	6.1	3	4.1	0	0.0
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
Meningitis, Aseptic	2	4.9	4	14.2	1	2.6	0	0.0	1	3.1	4	5.4	6	11.0
Meningitis, Other Bacterial*	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Disease	1	2.5	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	4	9.8	0	0.0	7	18.0	7	11.8	2	6.1	4	5.4	9	16.5
Shigellosis	1	2.5	0	0.0	1	2.6	0	0.0	0	0.0	7	9.5	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0	1	1.8
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	3	7.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	2	4.9	0	0.0	0	0.0	0	0.0	2	6.1	1	1.4	3	5.5
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	2	4.9	1	3.5	0	0.0	0	0.0	1	3.1	8	10.8	0	0.0
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>29</b>	<b>70.9</b>	<b>10</b>	<b>35.4</b>	<b>23</b>	<b>59.1</b>	<b>23</b>	<b>38.7</b>	<b>11</b>	<b>33.7</b>	<b>44</b>	<b>59.5</b>	<b>35</b>	<b>64.2</b>

## HEPATITIS

Hepatitis A	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Chronic*	1	2.4	3	10.6	1	2.6	6	10.1	3	9.2	8	10.8	5	9.2
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	19	46.5	17	60.2	8	20.5	28	47.1	37	113.4	58	78.5	25	45.9
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>20</b>	<b>48.9</b>	<b>20</b>	<b>70.8</b>	<b>10</b>	<b>25.7</b>	<b>34</b>	<b>57.2</b>	<b>40</b>	<b>122.5</b>	<b>66</b>	<b>89.3</b>	<b>30</b>	<b>55.0</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).



## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Highland		Hocking		Holmes		Huron		Jackson		Jefferson		Knox	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	1	2.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pertussis	0	0.0	1	3.5	0	0.0	1	1.7	1	3.1	0	0.0	4	7.3
Varicella*	37	90.5	11	39.0	20	51.4	42	70.6	27	82.7	55	74.4	21	38.5
<b>SUB-TOTAL</b>	<b>38</b>	<b>93.0</b>	<b>12</b>	<b>42.5</b>	<b>20</b>	<b>51.4</b>	<b>43</b>	<b>72.3</b>	<b>28</b>	<b>85.8</b>	<b>55</b>	<b>74.4</b>	<b>25</b>	<b>45.9</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	0	0.0	1	3.5	0	0.0	0	0.0	1	3.1	0	0.0	0	0.0
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	1	3.5	0	0.0	0	0.0	3	9.2	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>0</b>	<b>0.0</b>	<b>2</b>	<b>7.1</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>4</b>	<b>12.3</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

<b>GRAND TOTAL</b>	<b>87</b>	<b>212.8</b>	<b>46</b>	<b>155.8</b>	<b>56</b>	<b>136.1</b>	<b>100</b>	<b>168.1</b>	<b>83</b>	<b>254.3</b>	<b>166</b>	<b>223.3</b>	<b>91</b>	<b>165.1</b>
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<b>POPULATION</b>	<b>40,875</b>	<b>28,241</b>	<b>38,943</b>	<b>59,487</b>	<b>32,641</b>	<b>73,894</b>	<b>54,500</b>
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N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Lake		Lawrence		Licking		Logan		Lorain		Lucas		Madison	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	28	12.3	2	3.2	17	11.7	4	8.7	22	7.7	53	11.7	5	12.4
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	1	0.4	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4	0	0.0
Cryptosporidiosis	3	1.3	1	1.6	3	2.1	1	2.2	18	6.3	21	4.6	0	0.0
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
Encephalitis, Post Other Infection*	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.7	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	2.5
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	4	0.9	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	2	0.9	0	0.0	3	2.1	0	0.0	0	0.0	3	0.7	0	0.0
Giardiasis	26	11.4	4	6.4	5	3.4	1	2.2	19	6.7	23	5.1	0	0.0
<i>Haemophilus influenzae</i> , Invasive Disease	4	1.8	2	3.2	2	1.4	0	0.0	2	0.7	7	1.5	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5
Kawasaki Disease	2	0.9	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
Legionellosis	2	0.9	1	1.6	6	4.1	1	2.2	6	2.1	6	1.3	0	0.0
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	1	0.4	0	0.0	1	0.7	0	0.0	1	0.4	2	0.4	0	0.0
Meningitis, Aseptic	6	2.6	9	14.4	2	1.4	1	2.2	10	3.5	30	6.6	4	10.0
Meningitis, Other Bacterial*	1	0.4	1	1.6	0	0.0	0	0.0	1	0.4	5	1.1	0	0.0
Meningococcal Disease	1	0.4	0	0.0	0	0.0	0	0.0	1	0.4	1	0.2	0	0.0
Rheumatic Fever	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	30	13.2	4	6.4	18	12.4	1	2.2	28	9.8	52	11.4	4	10.0
Shigellosis	1	0.4	0	0.0	4	2.8	0	0.0	1	0.4	1	0.2	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0
Streptococcal Disease, Group A, Invasive	6	2.6	0	0.0	1	0.7	2	4.4	3	1.1	13	2.9	1	2.5
Streptococcal Disease, Group B, in Newborn	1	0.4	0	0.0	0	0.0	0	0.0	1	0.4	1	0.2	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	1	0.2	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	2	0.9	0	0.0	0	0.0	0	0.0	2	0.7	4	0.9	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	3	1.3	4	6.4	7	4.8	6	13.0	10	3.5	13	2.9	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	18	7.9	5	8.0	15	10.3	8	17.4	11	3.9	31	6.8	3	7.5
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	0	0.0	0	0.0	2	4.4	0	0.0	1	0.2	0	0.0
<b>SUB-TOTAL</b>	<b>141</b>	<b>62.0</b>	<b>33</b>	<b>53.0</b>	<b>85</b>	<b>58.4</b>	<b>27</b>	<b>58.7</b>	<b>141</b>	<b>49.5</b>	<b>280</b>	<b>61.5</b>	<b>19</b>	<b>47.2</b>

## HEPATITIS

Hepatitis A	2	0.9	0	0.0	1	0.7	0	0.0	1	0.4	8	1.8	0	0.0
Hepatitis B, Acute*	1	0.4	1	1.6	1	0.7	0	0.0	2	0.7	0	0.0	0	0.0
Hepatitis B, Chronic*	23	10.1	5	8.0	10	6.9	2	4.3	39	13.7	61	13.4	10	24.9
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	98	43.1	76	122.0	89	61.2	13	28.3	668	234.7	386	84.8	104	258.6
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>124</b>	<b>54.5</b>	<b>82</b>	<b>131.6</b>	<b>101</b>	<b>69.4</b>	<b>15</b>	<b>32.6</b>	<b>710</b>	<b>249.4</b>	<b>455</b>	<b>100.0</b>	<b>114</b>	<b>283.5</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Lake		Lawrence		Licking		Logan		Lorain		Lucas		Madison	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	3	n/a	0	n/a	0	n/a	0	n/a	2	n/a	2	n/a	0	n/a
Waterborne*	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	1	n/a	0	n/a	0	n/a	0	n/a	2	n/a	1	n/a	0	n/a
Conjunctivitis*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	1	n/a	1	n/a	0	n/a	1	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	0	n/a	2	n/a	0	n/a	2	n/a	3	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	7	n/a	0	n/a	0	n/a	1	n/a	7	n/a	3	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>12</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>4</b>	<b>n/a</b>	<b>12</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>4</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	0	0.0	2	0.7	0	0.0	0	0.0
Pertussis	6	2.6	1	1.6	21	14.4	2	4.3	2	0.7	7	1.5	1	2.5
Varicella*	52	22.9	91	146.0	79	54.3	30	65.2	92	32.3	97	21.3	17	42.3
<b>SUB-TOTAL</b>	<b>58</b>	<b>25.5</b>	<b>92</b>	<b>147.6</b>	<b>100</b>	<b>68.7</b>	<b>32</b>	<b>69.6</b>	<b>96</b>	<b>33.7</b>	<b>104</b>	<b>22.9</b>	<b>18</b>	<b>44.8</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.4	0	0.0	0	0.0	0	0.0	2	0.7	0	0.0	0	0.0
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	19	n/a	0	n/a	0	n/a	0	n/a	1	n/a	1	n/a	1	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4	0	0.0
<b>SUB-TOTAL</b>	<b>21</b>	<b>0.9</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.7</b>	<b>0</b>	<b>0.0</b>	<b>4</b>	<b>1.1</b>	<b>4</b>	<b>0.7</b>	<b>1</b>	<b>0.0</b>

<b>GRAND TOTAL</b>	<b>356</b>	<b>142.9</b>	<b>208</b>	<b>332.2</b>	<b>287</b>	<b>197.3</b>	<b>78</b>	<b>160.9</b>	<b>963</b>	<b>333.7</b>	<b>851</b>	<b>185.0</b>	<b>156</b>	<b>375.5</b>
<b>POPULATION</b>	<b>227,511</b>		<b>62,319</b>		<b>145,491</b>		<b>46,005</b>		<b>284,664</b>		<b>455,054</b>		<b>40,213</b>	

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Mahoning		Marion		Medina		Meigs		Mercer		Miami		Monroe	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	12	4.7	2	3.0	23	15.2	2	8.7	20	48.9	10	10.1	0	0.0
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	4	1.6	5	7.6	13	8.6	0	0.0	37	90.4	1	1.0	0	0.0
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	6.6
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0
<i>Escherichia coli</i> O157:H7	4	1.6	1	1.5	4	2.7	0	0.0	3	7.3	1	1.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Giardiasis	4	1.6	0	0.0	16	10.6	2	8.7	7	17.1	6	6.1	0	0.0
<i>Haemophilus influenzae</i> , Invasive Disease	1	0.4	0	0.0	3	2.0	0	0.0	0	0.0	2	2.0	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	2	0.8	0	0.0	5	3.3	0	0.0	0	0.0	1	1.0	0	0.0
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	1	0.7	0	0.0	1	2.4	0	0.0	0	0.0
Meningitis, Aseptic	6	2.3	11	16.6	8	5.3	0	0.0	0	0.0	6	6.1	2	13.2
Meningitis, Other Bacterial*	2	0.8	0	0.0	2	1.3	0	0.0	0	0.0	1	1.0	0	0.0
Meningococcal Disease	1	0.4	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	15	5.8	11	16.6	23	15.2	3	13.0	7	17.1	16	16.2	3	19.8
Shigellosis	1	0.4	1	1.5	0	0.0	0	0.0	4	9.8	1	1.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	2	0.8	1	1.5	4	2.7	0	0.0	1	2.4	2	2.0	0	0.0
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	2	0.8	0	0.0	1	0.7	0	0.0	1	2.4	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	9	3.5	0	0.0	5	3.3	0	0.0	0	0.0	4	4.1	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	23	8.9	0	0.0	10	6.6	0	0.0	5	12.2	7	7.1	0	0.0
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	1	0.4	1	1.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>91</b>	<b>35.3</b>	<b>33</b>	<b>49.8</b>	<b>120</b>	<b>79.4</b>	<b>7</b>	<b>30.3</b>	<b>86</b>	<b>210.1</b>	<b>60</b>	<b>60.7</b>	<b>6</b>	<b>39.5</b>

## HEPATITIS

Hepatitis A	1	0.4	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	6	2.3	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Chronic*	22	8.5	11	16.6	14	9.3	0	0.0	3	7.3	3	3.0	0	0.0
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	283	109.9	89	134.4	57	37.7	17	73.7	8	19.5	66	66.8	9	59.3
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	2	4.9	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>312</b>	<b>121.1</b>	<b>100</b>	<b>151.0</b>	<b>73</b>	<b>48.3</b>	<b>17</b>	<b>73.7</b>	<b>13</b>	<b>31.8</b>	<b>69</b>	<b>69.8</b>	<b>9</b>	<b>59.3</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Mahoning		Marion		Medina		Meigs		Mercer		Miami		Monroe	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	7	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Waterborne*	0	n/a	0	n/a	1	n/a	0	n/a	1	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	5	n/a	0	n/a	0	n/a	0	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>8</b>	<b>n/a</b>	<b>3</b>	<b>n/a</b>	<b>9</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

VACCINE-PREVENTABLE														
Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	1	4.3	0	0.0	0	0.0	0	0.0
Pertussis	1	0.4	1	1.5	10	6.6	0	0.0	1	2.4	4	4.0	1	6.6
Varicella*	37	14.4	26	39.3	141	93.3	10	43.3	77	188.2	88	89.0	9	59.3
<b>SUB-TOTAL</b>	<b>38</b>	<b>14.8</b>	<b>27</b>	<b>40.8</b>	<b>151</b>	<b>99.9</b>	<b>11</b>	<b>47.7</b>	<b>78</b>	<b>190.6</b>	<b>92</b>	<b>93.1</b>	<b>10</b>	<b>65.9</b>

ZOO NOSES														
Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.4	1	1.5	0	0.0	0	0.0	0	0.0	0	0.0	1	6.6
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	1	n/a	2	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>3</b>	<b>0.8</b>	<b>3</b>	<b>1.5</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>6.6</b>

<b>GRAND TOTAL</b>	<b>452</b>	<b>172.0</b>	<b>166</b>	<b>243.1</b>	<b>354</b>	<b>227.7</b>	<b>35</b>	<b>151.7</b>	<b>178</b>	<b>432.5</b>	<b>221</b>	<b>223.5</b>	<b>27</b>	<b>171.3</b>
<b>POPULATION</b>	<b>257,555</b>		<b>66,217</b>		<b>151,095</b>		<b>23,072</b>		<b>40,924</b>		<b>98,868</b>		<b>15,180</b>	

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Montgomery		Morgan		Morrow		Muskingum		Noble		Ottawa		Paulding	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	31	5.6	4	26.9	1	3.2	3	3.6	1	7.1	3	7.3	3	14.8
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	15	2.7	0	0.0	1	3.2	0	0.0	0	0.0	1	2.4	2	9.9
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	3	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.9
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	1	0.2	1	6.7	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	6	1.1	0	0.0	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0
Giardiasis	25	4.5	0	0.0	0	0.0	11	13.0	0	0.0	2	4.9	0	0.0
<i>Haemophilus influenzae</i> , Invasive Disease	12	2.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0
Kawasaki Disease	4	0.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	11	2.0	0	0.0	0	0.0	4	4.7	0	0.0	0	0.0	0	0.0
Leprosy (Hansen's Disease)	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	50	8.9	0	0.0	2	6.3	11	13.0	0	0.0	0	0.0	1	4.9
Meningitis, Other Bacterial*	5	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	49	8.8	1	6.7	7	22.1	10	11.8	0	0.0	7	17.1	2	9.9
Shigellosis	51	9.1	0	0.0	1	3.2	0	0.0	0	0.0	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	12	2.2	1	6.7	0	0.0	2	2.4	0	0.0	1	2.4	0	0.0
Streptococcal Disease, Group B, in Newborn	4	0.7	0	0.0	0	0.0	3	3.6	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	8	1.4	0	0.0	0	0.0	2	2.4	0	0.0	0	0.0	1	4.9
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	22	3.9	0	0.0	0	0.0	5	5.9	0	0.0	2	4.9	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	57	10.2	1	6.7	2	6.3	17	20.1	1	7.1	1	2.4	3	14.8
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>371</b>	<b>66.4</b>	<b>8</b>	<b>53.7</b>	<b>14</b>	<b>44.3</b>	<b>70</b>	<b>82.8</b>	<b>2</b>	<b>14.2</b>	<b>19</b>	<b>46.4</b>	<b>13</b>	<b>64.1</b>

## HEPATITIS

Hepatitis A	3	0.5	1	6.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	14	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Chronic*	138	24.7	0	0.0	2	6.3	10	11.8	3	21.3	1	2.4	0	0.0
Hepatitis C, Acute*	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	632	113.0	2	13.4	17	53.7	53	62.7	33	234.7	7	17.1	3	14.8
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>788</b>	<b>141.0</b>	<b>3</b>	<b>20.1</b>	<b>19</b>	<b>60.1</b>	<b>63</b>	<b>74.5</b>	<b>36</b>	<b>256.1</b>	<b>8</b>	<b>19.5</b>	<b>3</b>	<b>14.8</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Montgomery		Morgan		Morrow		Muskingum		Noble		Ottawa		Paulding	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	1	n/a	0	n/a	2	n/a	1	n/a	0	n/a	0	n/a	1	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	2	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	1	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	1	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	4	n/a	0	n/a	0	n/a	2	n/a	0	n/a	0	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>9</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>3</b>	<b>n/a</b>	<b>5</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	5	0.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pertussis	28	5.0	1	6.7	6	19.0	1	1.2	0	0.0	0	0.0	0	0.0
Varicella*	112	20.0	2	13.4	10	31.6	25	29.6	21	149.4	13	31.7	12	59.1
<b>SUB-TOTAL</b>	<b>146</b>	<b>26.1</b>	<b>3</b>	<b>20.1</b>	<b>16</b>	<b>50.6</b>	<b>26</b>	<b>30.7</b>	<b>21</b>	<b>149.4</b>	<b>13</b>	<b>31.7</b>	<b>12</b>	<b>59.1</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	1	0.2	0	0.0	0	0.0	1	1.2	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malaria	3	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	4	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	2	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>12</b>	<b>1.4</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>2</b>	<b>1.2</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

<b>GRAND TOTAL</b>	<b>1,326</b>	<b>234.9</b>	<b>14</b>	<b>94.0</b>	<b>52</b>	<b>154.9</b>	<b>166</b>	<b>189.2</b>	<b>59</b>	<b>419.7</b>	<b>40</b>	<b>97.6</b>	<b>29</b>	<b>138.0</b>
<b>POPULATION</b>	<b>559,062</b>		<b>14,897</b>		<b>31,628</b>		<b>84,585</b>		<b>14,058</b>		<b>40,985</b>		<b>20,293</b>	

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Perry		Pickaway		Pike		Portage		Preble		Putnam		Richland	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	3	8.8	0	0.0	5	18.1	8	5.3	4	9.5	6	17.3	14	10.9
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8
Cryptosporidiosis	1	2.9	1	1.9	0	0.0	1	0.7	3	7.1	3	8.6	5	3.9
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	2.3
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	0	0.0	1	1.9	0	0.0	2	1.3	0	0.0	0	0.0	1	0.8
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Giardiasis	2	5.9	3	5.7	1	3.6	9	5.9	3	7.1	1	2.9	8	6.2
<i>Haemophilus influenzae</i> , Invasive Disease	0	0.0	0	0.0	1	3.6	0	0.0	0	0.0	0	0.0	1	0.8
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.9	0	0.0
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Legionellosis	1	2.9	1	1.9	1	3.6	2	1.3	1	2.4	0	0.0	2	1.6
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	5	14.7	5	9.5	4	14.4	18	11.8	1	2.4	4	11.5	10	7.8
Meningitis, Other Bacterial*	0	0.0	1	1.9	1	3.6	0	0.0	0	0.0	0	0.0	1	0.8
Meningococcal Disease	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0	2	1.6
Rheumatic Fever	0	0.0	0	0.0	1	3.6	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	5	14.7	5	9.5	1	3.6	26	17.1	5	11.8	2	5.8	8	6.2
Shigellosis	0	0.0	0	0.0	0	0.0	2	1.3	1	2.4	0	0.0	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	2	3.8	0	0.0	5	3.3	1	2.4	0	0.0	5	3.9
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	3.1
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	0	0.0	0	0.0	0	0.0	2	1.3	1	2.4	1	2.9	2	1.6
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	0	0.0	3	5.7	0	0.0	2	1.3	0	0.0	0	0.0	3	2.3
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	0	0.0	5	9.5	1	3.6	6	4.0	3	7.1	1	2.9	5	3.9
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	1	1.9	0	0.0	0	0.0	2	4.7	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>17</b>	<b>49.9</b>	<b>30</b>	<b>56.9</b>	<b>16</b>	<b>57.8</b>	<b>84</b>	<b>55.2</b>	<b>27</b>	<b>63.8</b>	<b>19</b>	<b>54.7</b>	<b>75</b>	<b>58.2</b>

## HEPATITIS

Hepatitis A	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	0	0.0	0	0.0	0	0.0	1	0.7	0	0.0	1	2.9	0	0.0
Hepatitis B, Chronic*	5	14.7	48	91.0	3	10.8	17	11.2	0	0.0	1	2.9	13	10.1
Hepatitis C, Acute*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	13	38.1	818	1,551.4	30	108.3	94	61.8	16	37.8	5	14.4	131	101.7
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>18</b>	<b>52.8</b>	<b>866</b>	<b>1,642.4</b>	<b>33</b>	<b>119.2</b>	<b>112</b>	<b>73.7</b>	<b>16</b>	<b>37.8</b>	<b>7</b>	<b>20.2</b>	<b>144</b>	<b>111.8</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).



## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Perry		Pickaway		Pike		Portage		Preble		Putnam		Richland	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	1	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	1	n/a	1	n/a	0	n/a	0	n/a	0	n/a	3	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>5</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pertussis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	68	52.8
Varicella*	16	47.0	16	30.3	17	61.4	138	90.8	80	189.0	8	23.0	23	17.8
<b>SUB-TOTAL</b>	<b>16</b>	<b>47.0</b>	<b>16</b>	<b>30.3</b>	<b>17</b>	<b>61.4</b>	<b>138</b>	<b>90.8</b>	<b>80</b>	<b>189.0</b>	<b>8</b>	<b>23.0</b>	<b>91</b>	<b>70.6</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.8
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	1	3.6	0	0.0	0	0.0	0	0.0	1	0.8
Lyme Disease*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.6
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	0	n/a	0	n/a	0	n/a	2	n/a	0	n/a	0	n/a	1	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>3.6</b>	<b>2</b>	<b>0.0</b>	<b>1</b>	<b>2.4</b>	<b>0</b>	<b>0.0</b>	<b>5</b>	<b>3.1</b>

<b>GRAND TOTAL</b>	<b>51</b>	<b>149.7</b>	<b>914</b>	<b>1,729.7</b>	<b>68</b>	<b>241.9</b>	<b>337</b>	<b>219.6</b>	<b>124</b>	<b>292.9</b>	<b>34</b>	<b>97.9</b>	<b>320</b>	<b>243.7</b>
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<b>POPULATION</b>	<b>34,078</b>	<b>52,727</b>	<b>27,695</b>	<b>152,061</b>	<b>42,337</b>	<b>34,726</b>	<b>128,852</b>
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N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Ross		Sandusky		Scioto		Seneca		Shelby		Stark		Summit	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	14	19.1	6	9.7	10	12.6	10	17.0	3	6.3	51	13.5	61	11.2
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	0	0.0	1	1.6	0	0.0	0	0.0	1	2.1	0	0.0	2	0.4
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	4	5.5	6	9.7	2	2.5	1	1.7	2	4.2	25	6.6	10	1.8
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.5	2	0.4
<i>Escherichia coli</i> O157:H7	0	0.0	3	4.9	1	1.3	1	1.7	0	0.0	2	0.5	2	0.4
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3	1	0.2
Giardiasis	3	4.1	5	8.1	9	11.4	1	1.7	2	4.2	40	10.6	75	13.8
<i>Haemophilus influenzae</i> , Invasive Disease	0	0.0	0	0.0	0	0.0	2	3.4	0	0.0	2	0.5	9	1.7
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.6
Legionellosis	3	4.1	0	0.0	1	1.3	0	0.0	0	0.0	9	2.4	17	3.1
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	2	0.5	2	0.4
Meningitis, Aseptic	10	13.6	2	3.2	36	45.5	0	0.0	2	4.2	59	15.6	37	6.8
Meningitis, Other Bacterial*	0	0.0	0	0.0	1	1.3	0	0.0	1	2.1	1	0.3	1	0.2
Meningococcal Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3	3	0.6
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	6	8.2	13	21.0	8	10.1	9	15.3	11	23.0	35	9.3	53	9.8
Shigellosis	0	0.0	0	0.0	0	0.0	0	0.0	2	4.2	6	1.6	51	9.4
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	2	3.2	1	1.3	2	3.4	1	2.1	7	1.9	24	4.4
Streptococcal Disease, Group B, in Newborn	0	0.0	1	1.6	0	0.0	0	0.0	0	0.0	4	1.1	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.5	2	0.4
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	2	2.7	0	0.0	2	2.5	0	0.0	0	0.0	5	1.3	6	1.1
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	2	2.7	1	1.6	5	6.3	1	1.7	1	2.1	21	5.6	19	3.5
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	6	8.2	3	4.9	7	8.8	3	5.1	1	2.1	26	6.9	39	7.2
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.6
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
Vibriosis, Other (Not Cholera)	0	0.0	1	1.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	1	1.4	0	0.0	0	0.0	0	0.0	0	0.0	4	1.1	2	0.4
<b>SUB-TOTAL</b>	<b>51</b>	<b>69.5</b>	<b>44</b>	<b>71.2</b>	<b>85</b>	<b>107.3</b>	<b>30</b>	<b>51.1</b>	<b>27</b>	<b>56.4</b>	<b>306</b>	<b>80.9</b>	<b>427</b>	<b>78.7</b>

### HEPATITIS

Hepatitis A	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	1.3	2	0.4
Hepatitis B, Acute*	0	0.0	0	0.0	3	3.8	0	0.0	0	0.0	3	0.8	17	3.1
Hepatitis B, Chronic*	15	20.5	2	3.2	21	26.5	4	6.8	0	0.0	49	13.0	84	15.5
Hepatitis C, Acute*	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	1	0.3	0	0.0
Hepatitis C, Past or Present*	118	160.9	23	37.2	217	274.0	21	35.8	28	58.4	285	75.4	386	71.1
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>133</b>	<b>181.3</b>	<b>25</b>	<b>40.5</b>	<b>242</b>	<b>305.6</b>	<b>25</b>	<b>42.6</b>	<b>28</b>	<b>58.4</b>	<b>343</b>	<b>90.7</b>	<b>489</b>	<b>90.1</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Ross		Sandusky		Scioto		Seneca		Shelby		Stark		Summit	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	1	n/a	0	n/a	0	n/a	1	n/a	4	n/a	4	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	2	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	1	n/a	7	n/a	0	n/a	1	n/a	1	n/a	2	n/a	2	n/a
<b>SUB-TOTAL</b>	<b>1</b>	<b>n/a</b>	<b>8</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>6</b>	<b>n/a</b>	<b>10</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	0	0.0	2	4.2	0	0.0	1	0.2
Pertussis	3	4.1	0	0.0	4	5.1	0	0.0	2	4.2	2	0.5	12	2.2
Varicella*	5	6.8	27	43.7	56	70.7	20	34.1	13	27.1	148	39.1	277	51.0
<b>SUB-TOTAL</b>	<b>8</b>	<b>10.9</b>	<b>27</b>	<b>43.7</b>	<b>60</b>	<b>75.8</b>	<b>20</b>	<b>34.1</b>	<b>17</b>	<b>35.5</b>	<b>150</b>	<b>39.7</b>	<b>290</b>	<b>53.4</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3	1	0.2
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.6
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	2	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	1	1.7	0	0.0	1	0.3	0	0.0
<b>SUB-TOTAL</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>1.7</b>	<b>0</b>	<b>0.0</b>	<b>3</b>	<b>0.5</b>	<b>8</b>	<b>1.1</b>

<b>GRAND TOTAL</b>	<b>194</b>	<b>261.8</b>	<b>104</b>	<b>155.4</b>	<b>387</b>	<b>488.7</b>	<b>77</b>	<b>129.5</b>	<b>74</b>	<b>150.3</b>	<b>808</b>	<b>211.8</b>	<b>1,224</b>	<b>223.2</b>
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<b>POPULATION</b>	<b>73,345</b>	<b>61,792</b>	<b>79,195</b>	<b>58,683</b>	<b>47,910</b>	<b>378,098</b>	<b>542,899</b>
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N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Trumbull		Tuscarawas		Union		Van Wert		Vinton		Warren		Washington	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Campylobacteriosis	21	9.3	17	18.7	2	4.9	2	6.7	2	15.6	25	15.8	5	7.9
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Coccidioidomycosis*	1	0.4	0	0.0	1	2.4	0	0.0	0	0.0	0	0.0	0	0.0
Creutzfeldt-Jakob Disease (CJD)	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cryptosporidiosis	8	3.6	2	2.2	3	7.3	0	0.0	0	0.0	35	22.1	0	0.0
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Encephalitis, Primary Viral	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> O157:H7	1	0.4	0	0.0	0	0.0	1	3.4	0	0.0	1	0.6	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.9	1	1.6
Giardiasis	10	4.4	16	17.6	4	9.8	3	10.1	0	0.0	18	11.4	0	0.0
<i>Haemophilus influenzae</i> , Invasive Disease	4	1.8	2	2.2	0	0.0	1	3.4	1	7.8	2	1.3	0	0.0
Hemolytic Uremic Syndrome (HUS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	2.5	0	0.0
Legionellosis	6	2.7	0	0.0	0	0.0	0	0.0	0	0.0	3	1.9	1	1.6
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Listeriosis	1	0.4	3	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, Aseptic	7	3.1	10	11.0	4	9.8	0	0.0	1	7.8	15	9.5	5	7.9
Meningitis, Other Bacterial*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.2
Meningococcal Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Salmonellosis	21	9.3	15	16.5	13	31.8	1	3.4	0	0.0	22	13.9	7	11.1
Shigellosis	0	0.0	0	0.0	2	4.9	0	0.0	0	0.0	13	8.2	0	0.0
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Disease, Group A, Invasive	6	2.7	1	1.1	0	0.0	0	0.0	2	15.6	7	4.4	0	0.0
Streptococcal Disease, Group B, in Newborn	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	2	0.9	1	1.1	0	0.0	0	0.0	0	0.0	5	3.2	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	6	2.7	2	2.2	0	0.0	2	6.7	1	7.8	3	1.9	0	0.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	26	11.6	7	7.7	2	4.9	0	0.0	2	15.6	4	2.5	3	4.7
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Yersiniosis	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>120</b>	<b>53.3</b>	<b>78</b>	<b>85.8</b>	<b>31</b>	<b>75.8</b>	<b>10</b>	<b>33.7</b>	<b>9</b>	<b>70.3</b>	<b>161</b>	<b>101.7</b>	<b>24</b>	<b>37.9</b>

## HEPATITIS

Hepatitis A	0	0.0	1	1.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis B, Acute*	16	7.1	1	1.1	0	0.0	0	0.0	0	0.0	1	0.6	1	1.6
Hepatitis B, Chronic*	42	18.7	3	3.3	16	39.1	4	13.5	0	0.0	42	26.5	7	11.1
Hepatitis C, Acute*	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hepatitis C, Past or Present*	181	80.4	32	35.2	200	488.9	18	60.7	10	78.1	111	70.1	65	102.8
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>240</b>	<b>106.6</b>	<b>37</b>	<b>40.7</b>	<b>216</b>	<b>528.0</b>	<b>22</b>	<b>74.2</b>	<b>10</b>	<b>78.1</b>	<b>154</b>	<b>97.2</b>	<b>73</b>	<b>115.4</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Trumbull		Tuscarawas		Union		Van Wert		Vinton		Warren		Washington	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
Scabies*	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a
<b>SUB-TOTAL</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>2</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>

VACCINE-PREVENTABLE														
Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Mumps	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0
Pertussis	0	0.0	24	26.4	9	22.0	0	0.0	1	7.8	6	3.8	5	7.9
Varicella*	82	36.4	61	67.1	40	97.8	17	57.3	6	46.9	37	23.4	5	7.9
<b>SUB-TOTAL</b>	<b>82</b>	<b>36.4</b>	<b>85</b>	<b>93.5</b>	<b>49</b>	<b>119.8</b>	<b>17</b>	<b>57.3</b>	<b>7</b>	<b>54.7</b>	<b>44</b>	<b>27.8</b>	<b>10</b>	<b>15.8</b>

ZOO NOSES														
Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<i>Ehrlichia chaffeensis</i> *	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Lyme Disease*	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Rabies, Animal*	0	n/a	0	n/a	1	n/a	2	n/a	0	n/a	1	n/a	0	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
West Nile Virus*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>SUB-TOTAL</b>	<b>1</b>	<b>0.4</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>2</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

<b>GRAND TOTAL</b>	<b>443</b>	<b>196.8</b>	<b>200</b>	<b>220.0</b>	<b>297</b>	<b>723.6</b>	<b>51</b>	<b>165.2</b>	<b>28</b>	<b>203.0</b>	<b>361</b>	<b>226.7</b>	<b>107</b>	<b>169.2</b>
<b>POPULATION</b>	<b>225,116</b>		<b>90,914</b>		<b>40,909</b>		<b>29,659</b>		<b>12,806</b>		<b>158,383</b>		<b>63,251</b>	

# REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

GENERAL INFECTIOUS DISEASES	Wayne		Williams		Wood		Wyandot		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Amebiasis	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	33	0.3
Botulism, Foodborne*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
Botulism, Infant	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
Campylobacteriosis	20	17.9	1	2.6	9	7.4	1	4.4	0	n/a	1,083	9.5
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
Coccidioidomycosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	11	0.1
Creutzfeldt-Jakob Disease (CJD)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	10	0.1
Cryptosporidiosis	0	0.0	0	0.0	5	4.1	0	0.0	0	n/a	611	5.4
Cytomegalovirus (CMV), Congenital	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	16	0.1
Encephalitis, Post Other Infection*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	5	0.0
Encephalitis, Primary Viral	0	0.0	1	2.6	0	0.0	1	4.4	0	n/a	24	0.2
<i>Escherichia coli</i> O157:H7	1	0.9	0	0.0	4	3.3	0	0.0	0	n/a	80	0.7
<i>Escherichia coli</i> , Shiga Toxin-Producing, Not O157:H7	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	19	0.2
<i>Escherichia coli</i> , Shiga Toxin-Producing, Unknown Serotype	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	39	0.3
Giardiasis	7	6.3	0	0.0	13	10.7	1	4.4	0	n/a	833	7.3
<i>Haemophilus influenzae</i> , Invasive Disease	1	0.9	0	0.0	2	1.7	0	0.0	0	n/a	114	1.0
Hemolytic Uremic Syndrome (HUS)	1	0.9	0	0.0	4	3.3	0	0.0	0	n/a	12	0.1
Kawasaki Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	38	0.3
Legionellosis	4	3.6	0	0.0	1	0.8	0	0.0	0	n/a	231	2.0
Leprosy (Hansen's Disease)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
Listeriosis	0	0.0	0	0.0	2	1.7	0	0.0	0	n/a	33	0.3
Meningitis, Aseptic	11	9.9	1	2.6	8	6.6	0	0.0	0	n/a	816	7.2
Meningitis, Other Bacterial*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	49	0.4
Meningococcal Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	32	0.3
Rheumatic Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	4	0.0
Salmonellosis	16	14.3	2	5.1	15	12.4	1	4.4	0	n/a	1,323	11.7
Shigellosis	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1,277	11.3
<i>Staphylococcus aureus</i> , Intermediate Resistance to Vancomycin (VISA)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Streptococcal Disease, Group A, Invasive	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	226	2.0
Streptococcal Disease, Group B, in Newborn	1	0.9	0	0.0	0	0.0	0	0.0	0	n/a	49	0.4
Streptococcal Toxic Shock Syndrome (STSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	12	0.1
<i>Streptococcus pneumoniae</i> , Invasive Disease, Ages < 5 Years*	1	0.9	0	0.0	1	0.8	0	0.0	0	n/a	117	1.0
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Resistant, Ages 5+ Years*	1	0.9	0	0.0	5	4.1	0	0.0	0	n/a	302	2.7
<i>Streptococcus pneumoniae</i> , Invasive Disease, Drug Susceptible, Ages 5+ Years*	4	3.6	0	0.0	6	5.0	1	4.4	0	n/a	736	6.5
Toxic Shock Syndrome (TSS)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Typhoid Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	11	0.1
<i>Vibrio parahaemolyticus</i> Infection	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	3	0.0
Vibriosis, Other (Not Cholera)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	3	0.0
Yersiniosis	1	0.9	0	0.0	0	0.0	0	0.0	0	n/a	52	0.5
<b>SUB-TOTAL</b>	<b>69</b>	<b>61.8</b>	<b>5</b>	<b>12.8</b>	<b>77</b>	<b>63.6</b>	<b>5</b>	<b>21.8</b>	<b>0</b>	<b>n/a</b>	<b>8,214</b>	<b>72.4</b>

## HEPATITIS

Hepatitis A	3	2.7	0	0.0	0	0.0	0	0.0	0	n/a	69	0.6
Hepatitis B, Acute*	1	0.9	0	0.0	0	0.0	0	0.0	1	n/a	124	1.1
Hepatitis B, Chronic*	8	7.2	1	2.6	10	8.3	1	4.4	130	n/a	2,427	21.4
Hepatitis C, Acute*	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	19	0.2
Hepatitis C, Past or Present*	29	26.0	10	25.5	25	20.7	2	8.7	623	n/a	11,319	99.7
Hepatitis E	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	3	0.0
<b>SUB-TOTAL</b>	<b>41</b>	<b>36.8</b>	<b>11</b>	<b>28.1</b>	<b>36</b>	<b>29.7</b>	<b>3</b>	<b>13.1</b>	<b>754</b>	<b>n/a</b>	<b>13,961</b>	<b>123.0</b>

N = number of cases reported.

Rates use 2000 U.S. Census counts and are per 100,000 population.

n/a = not applicable.

\* Please see Technical Notes (pp. 73-77).

## REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY COUNTY OF RESIDENCE, OHIO, 2007

OUTBREAKS*	Wayne		Williams		Wood		Wyandot		Unknown		TOTAL	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Foodborne*	0	n/a	0	n/a	3	n/a	1	n/a	0	n/a	83	n/a
Waterborne*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	9	n/a
Unspecified*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	26	n/a
Conjunctivitis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	2	n/a
Nosocomial*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	8	n/a
Pediculosis*	0	n/a	0	n/a	0	n/a	0	n/a	0	n/a	1	n/a
Scabies*	1	n/a	0	n/a	0	n/a	0	n/a	0	n/a	18	n/a
Staphylococcal Skin Infections*	0	n/a	0	n/a	2	n/a	0	n/a	0	n/a	39	n/a
Unusual Incidence of Non-Class A, Class B or Class C Disease*	0	n/a	0	n/a	1	n/a	0	n/a	0	n/a	117	n/a
<b>SUB-TOTAL</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>6</b>	<b>n/a</b>	<b>1</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>303</b>	<b>n/a</b>

### VACCINE-PREVENTABLE

Influenza-Associated Pediatric Mortality*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Mumps	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	26	0.2
Pertussis	2	1.8	0	0.0	0	0.0	0	0.0	0	n/a	837	7.4
Varicella*	50	44.8	1	2.6	29	24.0	22	96.0	0	n/a	4,364	38.4
<b>SUB-TOTAL</b>	<b>52</b>	<b>46.6</b>	<b>1</b>	<b>2.6</b>	<b>30</b>	<b>24.8</b>	<b>22</b>	<b>96.0</b>	<b>0</b>	<b>n/a</b>	<b>5,229</b>	<b>46.1</b>

### ZOO NOSES

Anaplasmosis*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Dengue	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	11	0.1
Ehrlichia chaffeensis*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
LaCrosse Encephalitis*	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	9	0.1
Lyme Disease*	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	34	0.3
Malaria	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	28	0.2
Q Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	2	0.0
Rabies, Animal*	1	n/a	0	n/a	1	n/a	0	n/a	0	n/a	86	n/a
Rocky Mountain Spotted Fever (RMSF)	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	9	0.1
Toxoplasmosis, Congenital	0	0.0	0	0.0	0	0.0	0	0.0	0	n/a	1	0.0
West Nile Virus*	0	0.0	0	0.0	1	0.8	0	0.0	0	n/a	23	0.2
<b>SUB-TOTAL</b>	<b>1</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>3</b>	<b>1.7</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>n/a</b>	<b>206</b>	<b>1.1</b>

<b>GRAND TOTAL</b>	<b>164</b>	<b>145.2</b>	<b>17</b>	<b>43.4</b>	<b>152</b>	<b>119.8</b>	<b>31</b>	<b>131.0</b>	<b>754</b>	<b>n/a</b>	<b>27,913</b>	<b>242.4</b>
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<b>POPULATION</b>	<b>111,564</b>	<b>39,188</b>	<b>121,065</b>	<b>22,908</b>	<b>0</b>	<b>11,353,140</b>
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**SALMONELLA SEROTYPES BY YEAR OF ONSET,  
OHIO, 2003-2007**

SEROTYPE	2003*	2004	2005	2006	2007
Aberdeen	0	0	0	2	0
Adelaide	2	0	0	2	1
Agbeni	4	1	5	8	3
Ago	0	0	0	1	0
Agona	13	7	14	17	22
Ajiobo	0	1	0	0	0
Alachua	0	2	0	0	0
Albany	0	0	0	2	1
Anatum	7	6	7	8	5
Apapa	0	0	0	0	1
Apeyeme	0	1	1	0	0
Aqua	0	0	1	0	0
Augustenborg	0	0	1	0	0
Babelsberg	0	1	0	0	0
Baildon	0	0	16	2	0
Bareilly	2	10	3	3	3
Barranquilla	0	0	0	0	1
Berta	4	5	1	15	10
Blockley	1	2	3	2	0
Bonariensis	0	0	0	1	0
Bovis-morbificans	4	2	11	4	2
Braenderup	31	38	57	20	12
Brandenburg	5	1	1	0	3
Brazil	0	0	1	0	0
Bredeney	1	1	0	2	0
Bsilla	0	1	0	0	0
California	0	1	0	0	0
Carmel	0	0	0	1	0
Carrau	1	0	0	0	0
Cerro	1	0	0	1	0
Chester	0	0	0	1	3
Choleraesuis	0	1	1	0	0
Choleraesuis, var Kunzendorf	1	1	0	0	0
Coeln	0	1	0	0	0
Colindale	0	0	1	0	0
Cubana	4	1	0	1	1
Derby	5	4	3	5	5
Dublin	4	0	0	0	5
Durban	0	0	1	0	2
Ealing	0	0	1	0	1
Eastbourne	2	0	0	0	1
Edinburg	0	0	1	1	0
Elomrane	0	1	0	0	0
Enteritidis	259	228	284	280	268
Farsta	0	1	0	0	0
Gaminara	2	1	1	1	0
Georgia	1	0	0	0	0
Give	8	7	4	2	1
Give, var 15 +	1	0	0	0	1
Gombe	0	1	0	0	0
Grumpensis	0	0	1	1	0
Guinea	0	0	0	1	1
Hadar	6	4	5	9	6
Haifa	0	1	0	0	1
Hartford	32	11	21	27	25
Havana	2	1	2	0	0
Heidelberg	54	56	66	46	47
Hindmarsh	0	0	1	2	0
Holcomb	0	0	1	1	1
Hvittingfoss	0	2	1	1	1
Indiana	4	1	0	1	0
Infantis	10	5	18	8	12
Irumu	0	0	0	0	1
Isangi	1	0	0	1	0
Javiana	16	38	26	44	15
Johannesburg	1	1	2	1	2
Kaapstad	1	0	0	0	0



**SALMONELLA SEROTYPES BY YEAR OF ONSET,  
OHIO, 2003-2007**

SEROTYPE	2003*	2004	2005	2006	2007
Kaduna	0	0	0	1	0
Kapemba	0	1	0	0	0
Kedougou	0	0	1	0	0
Kentucky	1	0	1	3	0
Kiambu	1	0	2	1	0
Kingabwa	0	0	1	0	2
Kingston	0	0	1	0	0
Kintambo	2	2	0	0	0
Kokomlemle	1	0	0	0	0
Kotu	0	0	1	0	0
Labadi	0	0	0	0	2
Lexington	0	2	0	0	0
Lindenburg	0	0	1	0	0
Litchfield	7	5	1	6	10
Liverpool	0	0	1	0	1
Livingstone	0	0	0	1	0
Loma Linda	1	0	1	0	1
London	1	1	1	1	1
Madelia	0	0	0	1	0
Manhattan	1	1	0	4	3
Matadi	0	1	0	0	1
Mbandaka	1	3	11	8	6
Meleagridis	1	0	0	5	4
Mendoza	0	6	1	0	0
Miami	3	2	6	1	0
Michigan	0	0	0	1	0
Minnesota	2	2	3	2	1
Mississippi	6	0	3	9	3
Monschau	2	0	2	0	0
Montevideo	28	19	24	25	19
Morotai	0	1	0	0	0
Muenchen	18	15	11	17	17
Muenster	3	0	2	3	1
Muenster, var 15 +	0	0	1	0	0
Newport	100	80	80	71	58
Nima	0	0	2	0	0
Norwich	1	0	0	0	0
Ohio	3	2	1	1	5
Oranienburg	35	16	23	30	51
Oslo	1	1	1	0	0
Othmarschen	0	0	1	0	0
Overschie	0	0	0	1	0
Panama	0	3	2	1	12
Paratyphi A	1	6	2	6	7
Paratyphi B	3	11	1	1	1
Paratyphi B, var L - Tartrate +	0	20	38	15	11
Paratyphi B, var Tartrate +	44	7	0	28	40
Parera	1	0	0	0	0
Poano	1	2	0	0	0
Pomona	2	5	4	1	1
Poona	4	2	6	5	10
Potsdam	0	0	0	0	1
Putten	1	0	0	0	0
Reading	2	3	2	0	2
Roodepoort	0	0	1	0	0
Rubislaw	1	1	0	0	0
Saint Paul	25	15	23	16	9
Sal. (I) 3,10,19:g,s,t:-	1	0	0	0	0
Sal. (I) 4,5,12:i:-	1	1	0	30	88
Sal. (I) 6,7:-:5	0	0	0	0	4
Sal. (I) 6,7:b:-	0	0	0	0	1
Sal. (I) 6,8:d:-	0	0	0	0	1
Sal. (I) 6,14,25:b:-	0	1	0	0	0
Sal. (I) 9,12:l,z28:-	0	0	1	0	0
Sal. (I) 9,12:Non-motile	0	1	1	0	0
Sal. (I) 43:k:-	0	0	0	1	0
Sal. (I) 44:z4	0	0	1	0	0

**SALMONELLA SEROTYPES BY YEAR OF ONSET,  
OHIO, 2003-2007**

SEROTYPE	2003*	2004	2005	2006	2007
Sal. (I) Rough:d:1,2	0	0	1	0	0
Sal. (I) Rough:r:e,n,x	0	0	0	1	0
Sal. (II) 9,12:d:x	1	0	0	0	0
Sal. (II) 9,46:m,t:x	0	1	0	0	0
Sal. (II) 21:z10:-	0	0	0	0	1
Sal. (II) 47:a:1,5 (Bilthoven)	0	0	1	0	0
Sal. (II) 50:b:z6	1	0	0	0	0
Sal. (II) 58:l,z13,z28:z6	0	1	0	0	0
Sal. (III) Arizona	3	3	0	4	0
Sal. (IIIa) 13,23:H Undetermined	1	0	0	0	0
Sal. (IIIa) 13,23:z4, ...:-	0	0	0	0	1
Sal. (IIIa) 21:g,z51:-	0	0	1	0	0
Sal. (IIIa) 35:z4,z23:-	0	0	1	0	0
Sal. (IIIa) 41:z4,z23:-	0	1	2	0	1
Sal. (IIIa) 42:z4,z23:-	0	0	0	2	0
Sal. (IIIa) 42:z4,z24:-	0	0	0	1	0
Sal. (IIIa) 51:z4,z23:-	0	1	0	0	0
Sal. (IIIa) 53:z4	0	0	0	2	0
Sal. (IIIa) 53:z4,z23:-	0	0	1	0	0
Sal. (IIIb) 48:i:z	0	0	0	2	0
Sal. (IIIb) 50:l,v,z35	0	1	0	0	0
Sal. (IIIb) 53:z10:z	0	0	0	1	0
Sal. (IIIb) 60:r:e,n,x,z15	1	0	0	0	0
Sal. (IIIb) 60:r:z	0	1	0	0	0
Sal. (IIIb) 61:c:z35	1	0	2	2	0
Sal. (IIIb) 61:k:1,5	0	0	1	0	0
Sal. (IIIb) 61:l,v,z13:1,5	0	1	0	0	0
Sal. (IIIb) 61:l,v,z13:z35	1	0	0	0	0
Sal. (IIIb) 61:l,v:z35	0	1	0	0	0
Sal. (IIIb) 61:r:z53	1	0	0	0	0
Sal. (IIIb) 61:-:1,5	0	0	1	0	1
Sal. (IIIb) 65:(k):z53	0	0	0	1	0
Sal. (IV)	0	0	0	1	0
Sal. (IV) 6,7:z4,z24:- (Kralendyk)	0	1	0	0	0
Sal. (IV) 16:z4,z32:- (Chameleon)	0	0	2	0	1
Sal. (IV) 40:z4,z32:-	0	0	1	0	0
Sal. (IV) 41:z4,z23:-	0	0	1	0	0
Sal. (IV) 44:z4:-	0	0	0	1	0
Sal. (IV) 44:z4,z23:-	2	1	1	2	1
Sal. (IV) 44:z4,z32:-	0	0	1	0	1
Sal. (IV) 45:g,z51:-	1	2	2	3	1
Sal. (IV) 48:g,z51:- (Marina)	2	2	1	2	4
Sal. (IV) 50:g,z51:- (Wassenaar)	2	0	1	0	2
Sal. (IV) 50:z4,z23:- (Flint)	0	1	0	2	0
Sal. Rough Os:f,g:-	0	0	0	0	1
Sal. Rough Os:g,m,s:-	0	0	0	0	1
Sal. Rough Os:z4,z23:-	0	0	0	0	1
San Diego	5	6	6	9	3
Schwartzengrund	3	2	0	7	13
Senftenberg	1	1	1	2	6
Senftenberg, var Rz27	0	0	1	0	0
Shubra	1	0	1	1	0
Singapore	0	0	2	0	0
Sinstorf	0	1	0	0	1
Stanley	6	6	4	5	12
Stanleyville	0	0	0	1	0
Stoneferry	1	0	0	0	0
Sundsvall	1	0	0	0	0
Tallahassee	1	0	0	0	0
Telekebir	0	1	7	1	0
Tennessee	2	5	10	13	20
Thompson	55	19	17	18	28
Thompson, var 14 +	0	1	0	0	0
Tucson	0	0	2	0	0
Typhimurium	246	196	207	177	182
Typhimurium, var Copenhagen	1	35	42	45	37
Uganda	0	0	0	1	0

**SALMONELLA SEROTYPES BY YEAR OF ONSET,  
OHIO, 2003-2007**

SEROTYPE	2003*	2004	2005	2006	2007
Uganda, var 15 +	1	0	0	0	0
Urbana	3	5	1	2	1
Uzaramo	1	1	0	0	1
Virchow	1	4	2	2	2
Wandsworth	0	1	0	0	0
Waycross	0	0	1	0	0
Weltevreden	2	1	1	0	1
Westhampton	0	1	0	0	0
Woodinville	1	0	0	0	0
Worthington	1	0	0	1	1
<b>SUB-TOTAL</b>	<b>1,146</b>	<b>989</b>	<b>1,155</b>	<b>1,133</b>	<b>1,163</b>

SEROGROUP					
Group A	2	0	0	1	2
Group B	36	77	83	53	11
Group C	12	11	4	7	8
Group C1	6	4	5	1	4
Group C2	4	3	2	3	2
Group D	21	21	19	13	11
Group E	0	2	0	1	0
Group G	0	0	0	0	1
<b>SUB-TOTAL</b>	<b>81</b>	<b>118</b>	<b>113</b>	<b>79</b>	<b>39</b>

<b>UNGROUPED, UNTYPED</b>	<b>99</b>	<b>88</b>	<b>75</b>	<b>87</b>	<b>121</b>
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<b>GRAND TOTAL</b>	<b>1,326</b>	<b>1,195</b>	<b>1,343</b>	<b>1,299</b>	<b>1,323</b>
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# **MENINGOCOCCAL DISEASE SEROGROUPS BY YEAR OF ONSET, OHIO, 2003-2007**

SEROGROUP	2003*	2004	2005	2006	2007
Group A	0	0	0	0	0
Group B	11	18	19	16	6
Group C	9	13	9	10	7
Group W-135	0	0	1	2	2
Group X	0	1	0	0	0
Group Y	19	21	9	8	10
Group Z	1	0	1	0	0
Unknown	20	10	6	14	7
<b>TOTAL</b>	<b>60</b>	<b>63</b>	<b>45</b>	<b>50</b>	<b>32</b>

# PROFILES OF SELECTED NOTIFIABLE DISEASES

## CHOLERA

<i>Number of cases in 2007:</i>	<i>1</i>	<i>Rate in 2007:</i>	<i>0.0</i>
<i>Number of cases in 2006:</i>	<i>0</i>	<i>Rate in 2006:</i>	<i>0.0</i>

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Cholera is caused by a Gram-negative, rod-shaped bacterium, *Vibrio cholerae* serogroup O1 or O139, which produces potent toxins. These toxins cause acute, violent diarrhea and dehydration that can lead to death within two to three hours if untreated. Cholera is acquired from ingestion of food or water contaminated with toxigenic *V. cholerae*. The organism can be found in humans, coastal waters, fish and shellfish. Cholera occurs worldwide, but is rare in the United States. Most cases of cholera in the United States are attributed to travel to endemic areas or the consumption of raw/undercooked seafood.<sup>1</sup>

The single case of cholera that occurred in 2007 was the first case reported in Ohio since 1993. The causative agent was characterized as *V. cholerae* serogroup O1, biotype El Tor, serotype Ogawa. This case acquired cholera while in Pakistan.

## CRYPTOSPORIDIOSIS

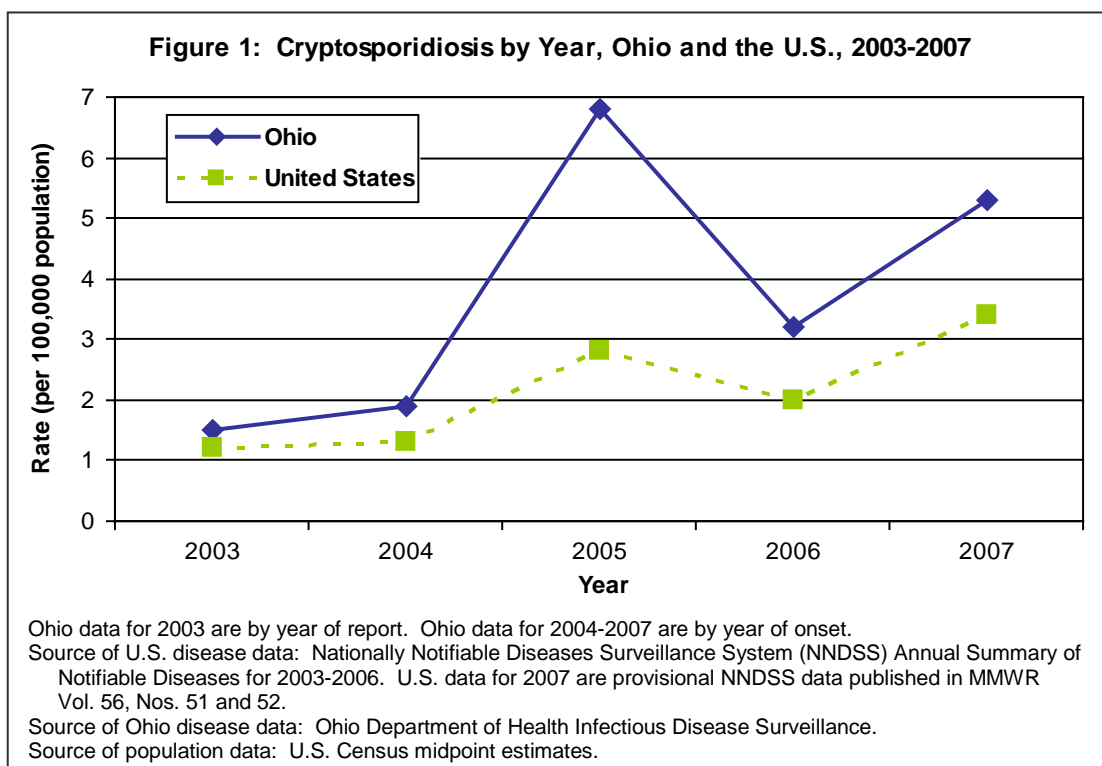
<i>Number of cases in 2007:</i>	611	<i>Rate in 2007:</i>	5.3
<i>Number of cases in 2006:</i>	366	<i>Rate in 2006:</i>	3.2

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Cryptosporidiosis is a diarrheal disease caused by microscopic parasites of the genus *Cryptosporidium*: *Cryptosporidium parvum*, *Cryptosporidium hominis*, *Cryptosporidium meleagridis*, *Cryptosporidium muris*, *Cryptosporidium felis* and *Cryptosporidium canis*.<sup>2</sup> Cryptosporidiosis is characterized by watery diarrhea, abdominal cramps, low-grade fever, weight loss, dehydration, loss of appetite, nausea and vomiting.<sup>3</sup> The parasite is transmitted via the fecal-oral route; a person becomes infected by swallowing the parasite. *Cryptosporidium* is shed in the stool from an infected person or animal. As a result, *Cryptosporidium* is found in water, soil, food or other surfaces contaminated with infected feces.

Over the past two decades, cryptosporidiosis has become known as one of the most widespread causes of waterborne disease in humans in the United States.<sup>4</sup> In 2005, southwest Ohio experienced a multi-county outbreak of cryptosporidiosis at a community swimming pool. This outbreak involved residents in Brown, Butler, Clermont, Clinton, Hamilton, Highland and Warren counties.

As seen in Figure 1, the incidence of cryptosporidiosis in Ohio and in the United States has increased over the past five years. Ohio's rate was above the national rate for cryptosporidiosis infection for the five years compared.



## ENTEROHEMORRHAGIC *ESCHERICHIA COLI*

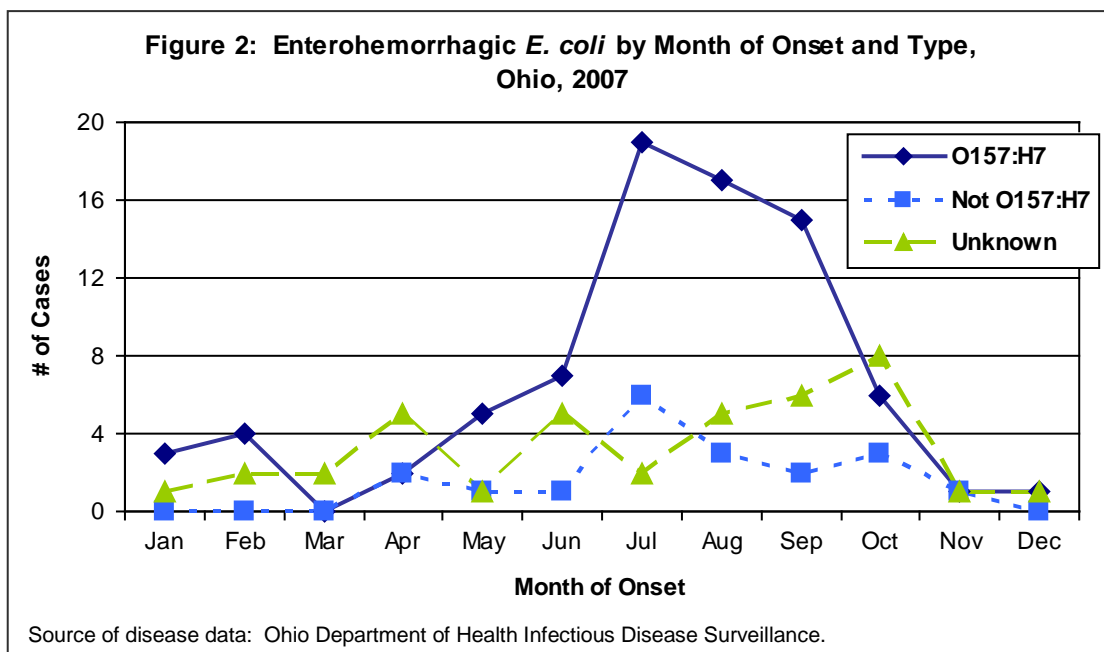
Number of cases in 2007:	138	Rate in 2007:	1.2
Number of cases in 2006:	211	Rate in 2006:	1.8

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

This infection is caused by *Escherichia coli*, a Gram-negative, rod-shaped bacterium that produces shiga toxins. It is also known as shiga toxin-producing *E. coli*. Persons infected with enterohemorrhagic *E. coli* usually experience mild to severe diarrhea without fever. Humans and cattle are the primary sources for shiga toxin-producing *E. coli*, and disease is mainly transmitted by water and food contaminated with human or animal waste.<sup>5</sup> Enterohemorrhagic *E. coli* occurs worldwide, but is mostly recognized in developed countries.<sup>6</sup> More cases occur during the summer months and among children.<sup>5</sup>

In Ohio, enterohemorrhagic *E. coli* infections are characterized as one of three reportable conditions: *E. coli* O157:H7, *E. coli* not O157:H7 and *E. coli* of an unknown serotype. Infections caused by *E. coli* O157:H7 or *E. coli* O157:Non-motile (unflagellated) are classified as enterohemorrhagic *E. coli* O157:H7. Infections caused by shiga toxin-producing *E. coli* bacteria of a known serotype other than O157:H7 or O157:Non-motile are reported as enterohemorrhagic *E. coli* not O157:H7. Shiga toxin-producing *E. coli* bacteria that are isolated but not serotyped are reported as enterohemorrhagic *E. coli* unknown serotype.

The majority of enterohemorrhagic *E. coli* infections in 2007 were caused by O157:H7 (Figure 2). However, shiga toxin-producing serotypes other than O157:H7 and unknown serotypes were also reported. Like previous years, cases of disease due to *E. coli* O157:H7 increased beginning in May, peaked July through September and declined the remainder of the year. Infections attributed to *E. coli* not O157:H7 followed this same seasonal pattern; however, incidence of *E. coli* unknown serotype infections peaked later, in October.



## HAEMOPHILUS INFLUENZAE, INVASIVE DISEASE

Number of cases in 2007:	114	Rate in 2007:	1.0
Number of cases in 2006:	93	Rate in 2006:	0.8

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

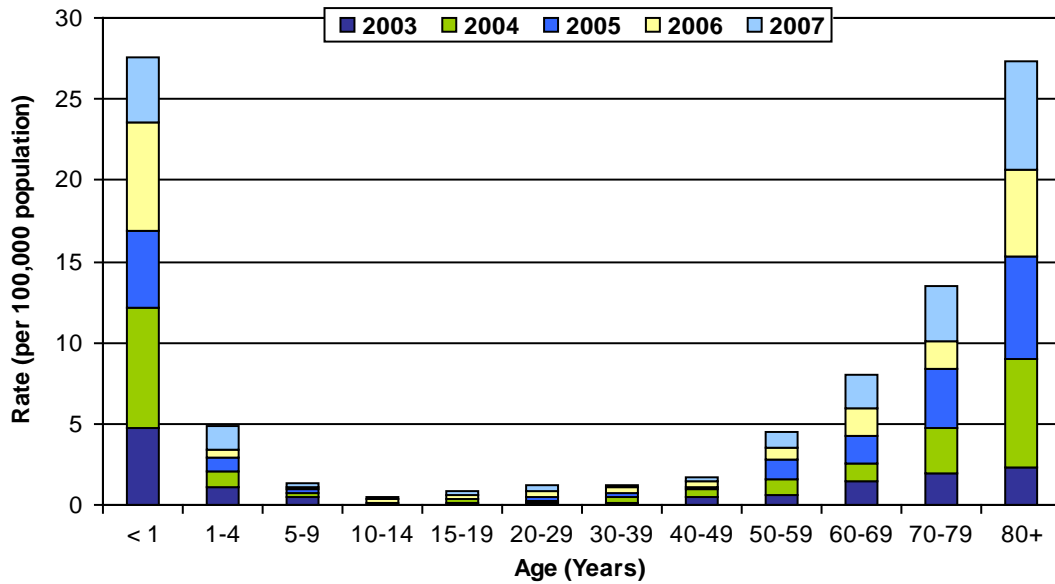
*Haemophilus influenzae* (*H. influenzae*) is caused by a Gram-negative encapsulated coccobacillus bacterium that can cause a variety of infections and produce an assortment of clinical syndromes.<sup>7</sup> In Ohio, only invasive disease due to *H. influenzae* is reportable. Several types of invasive disease may be caused by *H. influenzae*, including meningitis, bacteremia, cellulitis, epiglottitis, osteomyelitis, pericarditis, pneumonia or septic arthritis. *H. influenzae* is spread from person to person by direct contact with respiratory secretions or through airborne respiratory droplets. *H. influenzae* can be part of the normal bacterial flora of the upper respiratory tract, and asymptomatic carriers are a source of infection.

Invasive disease due to *H. influenzae* is primarily a disease of the elderly, those with compromised immune systems and under-vaccinated or unvaccinated children. Few cases of invasive *H. influenzae* type b (Hib) are reported in Ohio each year since the introduction of the Hib vaccine in the United States in 1990. Infants are recommended to receive three primary doses of the Hib vaccine at 2, 4 and 6 months of age.<sup>8</sup> A booster dose is also recommended between 12-15 months of age.

The greatest burden of invasive disease from *H. influenzae* in Ohio from 2003-2007 occurred among children less than 1 year of age and adults 80 years of age and older (Figure 3). Although less than 4 percent (three of 78) of all cases among children less than 5 years of age were reported with invasive Hib during the five-year period, the true morbidity that may have been preventable through vaccination is unknown. Sixty-four percent (50 of 78) of cases reported among children less than 5 years of age 2003-2007 did not report a serotype (i.e., were blank or unknown). Storing isolates for further serotyping is strongly encouraged for this high-risk age group so the true burden of disease among the very young is better understood.



**Figure 3: Invasive *Haemophilus influenzae* Disease, Ohio, 2003-2007**



Data for 2003 are by year of report. Data for 2004-2007 are by year of onset.  
 Source of disease data: Ohio Department of Health Infectious Disease Surveillance.  
 Source of population data: 2000 U.S. Census.

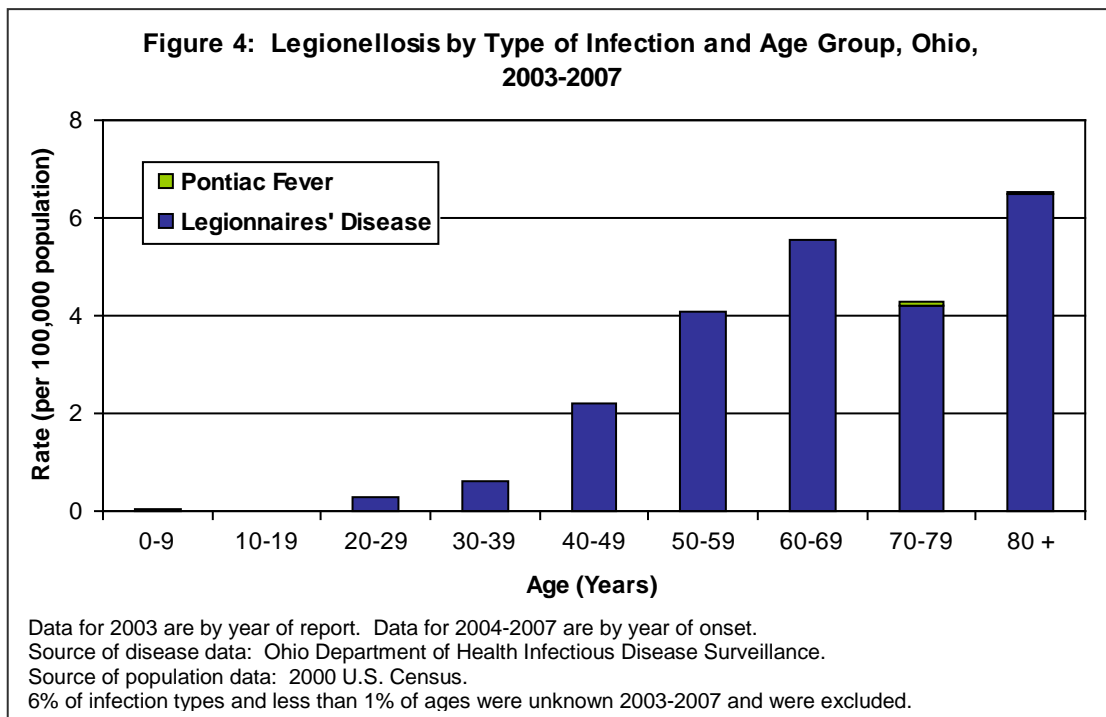
## LEGIONELLOSIS

<i>Number of cases in 2007:</i>	<i>231</i>	<i>Rate in 2007:</i>	<i>2.0</i>
<i>Number of cases in 2006:</i>	<i>237</i>	<i>Rate in 2006:</i>	<i>2.1</i>

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Legionellosis is a respiratory infection caused by *Legionella*, a Gram-negative, rod-shaped bacterium. Most infections are attributed to *Legionella pneumophila* serogroup 1, but any *Legionella* organism can cause disease. Two distinct illnesses are associated with legionellosis: Legionnaires' disease and Pontiac fever. Legionnaires' disease is characterized by fever, myalgia, cough and pneumonia. Pontiac fever is a milder respiratory illness without pneumonia. *Legionella* bacteria are ubiquitous in water and have been identified in ponds, lakes, creeks, cooling towers, air conditioners, hot and cold water taps, showers and hot tubs. Legionellosis is transmitted via the airborne route, mainly through inhalation of aerosolized water. Cases occur most frequently in the summer and fall. Persons at greatest risk for acquiring disease are over 50 years of age, smoke and are immunocompromised.<sup>9</sup>

As seen in Figure 4, nearly all cases of legionellosis reported in 2003-2007 were Legionnaires' disease (93 percent). The incidence of legionellosis increased with age and peaked in individuals 80 years and older. Few to no cases were reported in children, adolescents and young adults. The very few cases of Pontiac fever reported mostly occurred in 70-79-year-olds. More cases were reported with an unknown type of infection as age increased; however, only 6 percent of cases were reported with an unknown type of infection over the past five years.



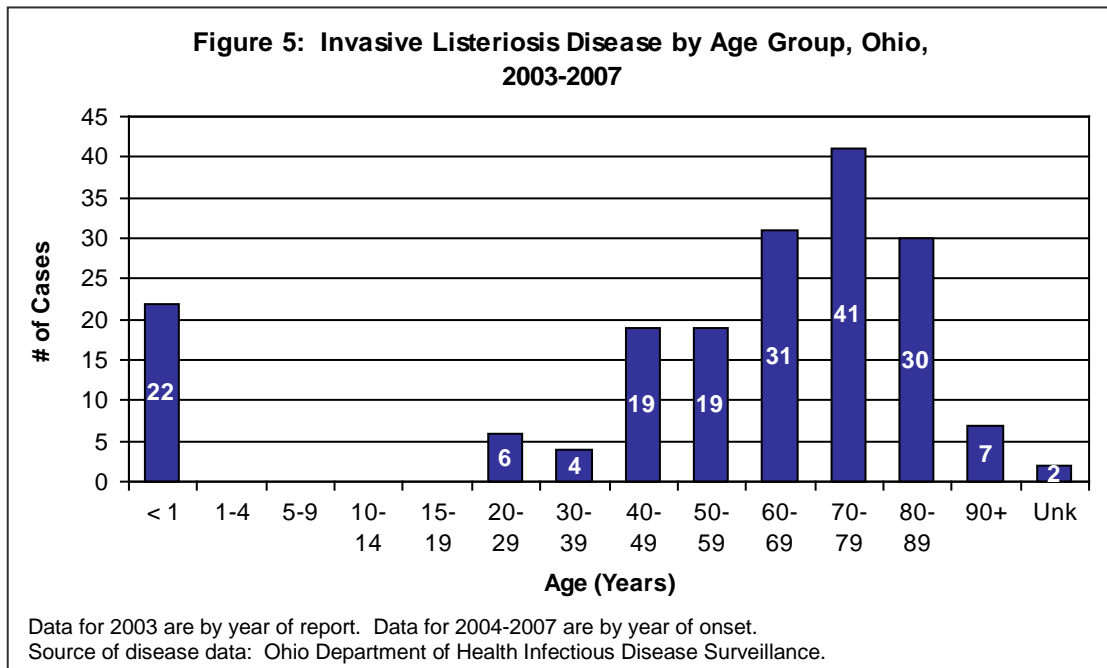
## LISTERIOSIS

<i>Number of cases in 2007:</i>	33	<i>Rate in 2007:</i>	0.3
<i>Number of cases in 2006:</i>	43	<i>Rate in 2006:</i>	0.4

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Listeriosis is an infection caused by consuming food contaminated with the bacterium *Listeria monocytogenes*. Symptoms of listeriosis include fever, muscle aches and sometimes gastrointestinal symptoms such as nausea or diarrhea.<sup>10</sup> If the infection spreads to the nervous system, symptoms can include headache, stiff neck, confusion and/or convulsions. Those at greatest risk for complications from listeriosis include pregnant women, newborns and adults with weakened immune systems.<sup>10</sup> Only invasive disease due to *L. monocytogenes* is reportable in Ohio.

Figure 5 demonstrates the age distribution of invasive listeriosis disease over the past five years. The majority of cases occurred in individuals over 59 years of age (111 cases, 61 percent). Neonatal cases accounted for 12 percent of invasive listeriosis disease during this same time period.



## MENINGITIS, ASEPTIC

<i>Number of cases in 2007:</i>	816	<i>Rate in 2007:</i>	7.1
<i>Number of cases in 2006:</i>	905	<i>Rate in 2006:</i>	7.9

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Aseptic meningitis refers to meningitis for which a cause is unapparent after initial evaluation. The majority of cases are caused by viruses, most often involving enteroviruses such as coxsackie virus and echovirus, but can also be caused by herpes simplex virus, mumps virus, measles virus, varicella zoster virus, lymphocytic choriomeningitis virus and adenovirus. Other causes of meningitis include invasive infection by bacteria, protozoans, rickettsiae, helminths or fungi; cases of meningitis with these etiologies are not reported as aseptic meningitis.<sup>11</sup>

Symptoms of aseptic meningitis include headache, fever, malaise and anorexia followed by stiff neck and irritability. Abdominal pain, nausea and vomiting also commonly occur. Humans are the primary source for most viral etiologies, and transmission depends on the viral agent. For enteroviruses, infection is transmitted through direct contact with the respiratory secretions or feces of an infected person; airborne transmission through respiratory droplets also occurs. The incidence of aseptic meningitis peaks in the late summer and early fall, and most cases occur among infants and children.<sup>11</sup>

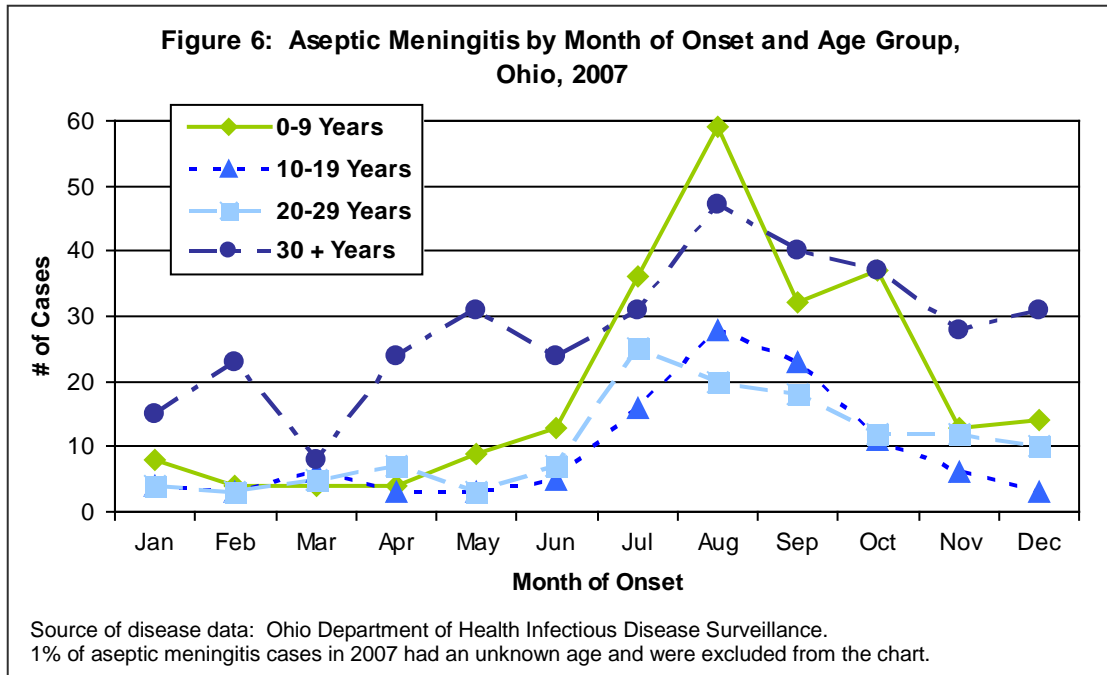
The majority of aseptic meningitis cases in Ohio 2006-2007 were of an unknown etiology (Table 1). Among cases where an agent was specified, an enterovirus was most often identified over the past two years (26 percent) followed by herpes simplex virus (6 percent). Less common viral etiologies included JC virus, varicella zoster virus, coxsackie B virus, Epstein-Barr virus, adenovirus, echovirus and cytomegalovirus.

**Table 1: Reported Etiologic Agents for Aseptic Meningitis, Ohio, 2006-2007**

Etiologic Agents	2006		2007		Total	
	N	%	N	%	N	%
Unknown	626	69%	502	62%	1,128	66%
Enterovirus	213	24%	231	28%	444	26%
Herpes Simplex virus	43	5%	56	7%	99	6%
JC virus	6	1%	10	1%	16	1%
Varicella Zoster virus	4	0%	6	1%	10	1%
Coxsackie B virus	4	0%	5	1%	9	1%
Epstein-Barr virus	3	0%	3	0%	6	0%
Adenovirus	4	0%	0	0%	4	0%
Echovirus	0	0%	3	0%	3	0%
Cytomegalovirus	2	0%	0	0%	2	0%
<b>Total</b>	<b>905</b>	<b>100%</b>	<b>816</b>	<b>100%</b>	<b>1,721</b>	<b>100%</b>

Source of disease data: Ohio Department of Health Infectious Disease Surveillance.

Like previous years, aseptic meningitis followed a seasonal pattern in Ohio during 2007 (Figure 6). Cases increased beginning in June and peaked in August. The most dramatic increase in incidence occurred among infants and children aged 0-9 years, which increased fourfold from 13 cases in June to 59 cases in August. Adults 30 years and over demonstrated a higher burden of disease throughout the year except in July and August; however, the incidence among this age group experienced a longer and more gradual increase from March to August as compared to other age groups.



## MENINGOCOCCAL DISEASE

<i>Number of cases in 2007:</i>	<i>32</i>	<i>Rate in 2007:</i>	<i>0.3</i>
<i>Number of cases in 2006:</i>	<i>50</i>	<i>Rate in 2006:</i>	<i>0.4</i>

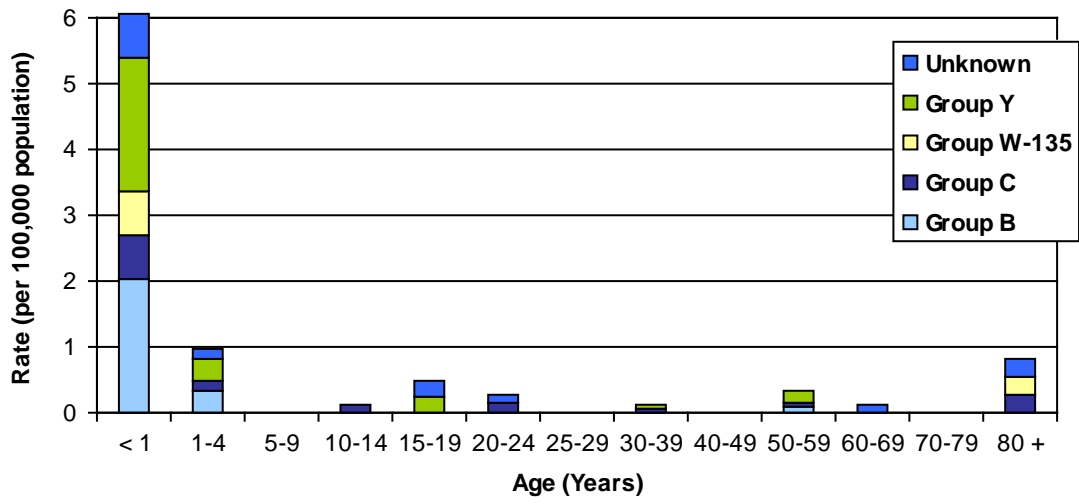
\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Meningococcal disease is an invasive infection of *Neisseria meningitidis*, a Gram-negative, sphere-shaped bacterium usually found grouped in pairs. There are 13 serogroups of *N. meningitidis*; the most common in the United States are groups B, C and Y.<sup>12</sup> Individuals infected with *N. meningitidis* most commonly experience meningitis and/or meningococcemia. Meningococcemia is characterized by fever, chills, malaise, prostration and a rash. Other complications such as bacteremia, pneumonia, septic arthritis, conjunctivitis and pericarditis can also occur. Meningococcal disease is spread person to person through infected respiratory droplets. An estimated 5 percent to 25 percent of the population is asymptomatically colonized with the bacteria; these carriers play a major role in transmission of disease. Incidence in the United States is greatest among children less than 5 years of age, especially infants 3 to 5 months of age.<sup>13</sup>

Two vaccines are available in the United States for individuals aged 2 years and older that protect against meningococcal disease caused by groups A, C, Y and W-135. The Advisory Committee on Immunization Practices recommends the meningococcal vaccine for all adolescents and persons at risk, including college freshmen living in dormitories, microbiologists routinely exposed to *N. meningitidis*, military recruits, persons traveling to countries where meningococcal disease is endemic and persons with certain immune system disorders.<sup>14</sup>

As seen in Figure 7, the highest incidence of meningococcal disease in Ohio occurred among infants when compared to all other age groups combined during 2007 (six cases per 100,000). Meningococcal disease among children aged 1-4 years was lower, at one case per 100,000. No cases occurred in children 5-9 years, but there was a slight increase in the rate of disease for teenagers and young adults aged 15-24 years. Most adults had a low incidence of disease, but the burden of disease among adults 80 years and older was approximately one case per 100,000. The majority of group B meningococcal serogroups, which are not included in current vaccines, occurred in infants and young children, while the incidence of invasive disease among the remaining serogroups was distributed fairly evenly across age groups. Serogroup information was not reported for 22 percent of cases. Although the greatest burden of disease in Ohio is found among infants, preventing disease in this vulnerable population remains a challenge because current vaccines are not approved for use in infants.

**Figure 7: Meningococcal Disease by Age Group and Serogroup, Ohio, 2007**



Source of disease data: Ohio Department of Health Infectious Disease Surveillance.  
 Source of population data: 2000 U.S. Census.

## PERTUSSIS

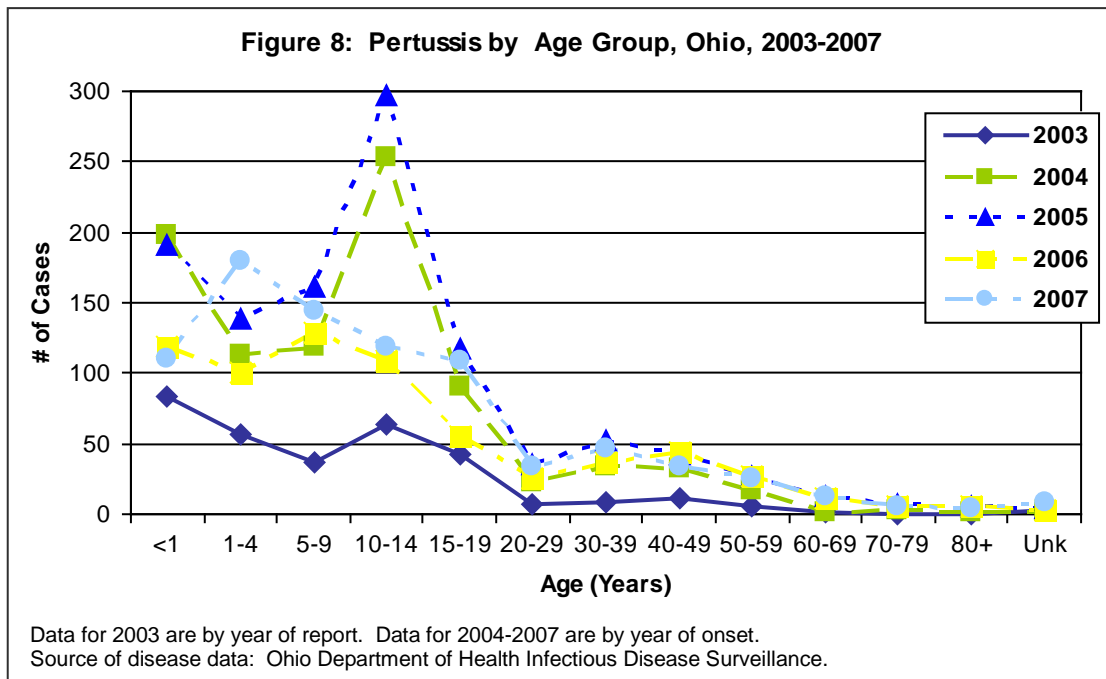
Number of cases in 2007:	837	Rate in 2007:	7.3
Number of cases in 2006:	594	Rate in 2006:	5.2

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Pertussis, otherwise known as whooping cough, is an acute, infectious disease caused by the bacterium *Bordetella pertussis* (*B. pertussis*).<sup>15</sup> Symptoms initially include a mild upper respiratory infection, resembling the common cold. Episodes of a more severe, rapid cough and high-pitched “whoop” generally follow and may last for several weeks. Coughing attacks may occur more frequently at night and result in a discharge of thick, clear mucus. Pertussis is spread by direct contact with the discharges from the nose and/or throat of infected persons. An infected person can transmit pertussis from the onset of symptoms to three weeks after the initial coughing episode. Pertussis can occur at any age, with infants being at the greatest risk for complications and death. Adolescents and adults do not usually exhibit the classic inspiratory whoop often seen in the very young with *B. pertussis*. This can lead to the misdiagnosis and underreporting of cases and transmission to susceptible infants.

The DTaP (diphtheria, tetanus toxoids and acellular pertussis) vaccine is recommended for all infants at 2, 4 and 6 months of age.<sup>15</sup> An additional dose of DTaP vaccine is recommended at 15-18 months of age and 4-6 years of age.

The majority of pertussis cases in Ohio are reported among children less than 5 years of age (Figure 8). However, there is an increasing number of adolescent and adult cases. This could possibly be due to waning of vaccine immunity. In 2005, Tdap (tetanus, diphtheria and pertussis) vaccine was introduced for older children, adolescents and adults.<sup>16</sup> Tdap is currently recommended as a once-only booster for adolescents and adults.





## SALMONELLOSIS

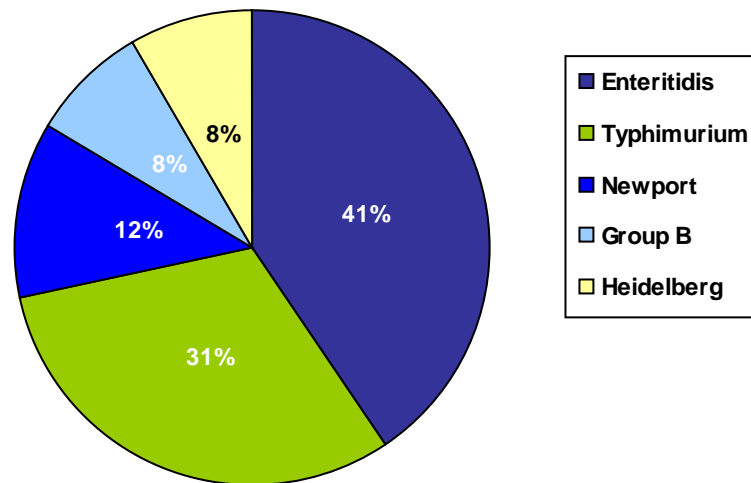
<i>Number of cases in 2007:</i>	1,323	<i>Rate in 2007:</i>	11.5
<i>Number of cases in 2006:</i>	1,299	<i>Rate in 2006:</i>	11.3

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Salmonellosis is an infectious disease caused by a group of bacteria known as *Salmonella*.<sup>17</sup> Salmonellosis is an acute gastrointestinal illness characterized by fever, headache, abdominal cramps, diarrhea and vomiting. Humans may acquire *Salmonella* directly via the fecal-oral route, from animals or from ingestion of contaminated food or water. Salmonellosis occurs worldwide with children less than 5 years of age, the elderly and the immunocompromised the most likely to develop severe infections.<sup>18</sup>

More than 1,000 cases of salmonellosis have been reported in each of the past five years in Ohio. There are more than 2,000 known serotypes of *Salmonella* bacteria, with serotypes Typhimurium and Enteritidis accounting for more than half of all human *Salmonella* isolates. Figure 9 displays the incidence of the most common *Salmonella* serotypes reported in Ohio from 2003-2007. *Salmonella* Enteritidis and Typhimurium were the most commonly isolated serotypes among Ohio's salmonellosis cases.

**Figure 9: Top Five *Salmonella* Serotypes or Serogroups Reported, Ohio, 2003-2007**



Data for 2003 are by year of report. Data for 2004-2007 are by year of onset.  
Source of disease data: Ohio Department of Health Infectious Disease Surveillance.  
7% of *Salmonella* isolates had no known serotype or serogroup 2003-2007.

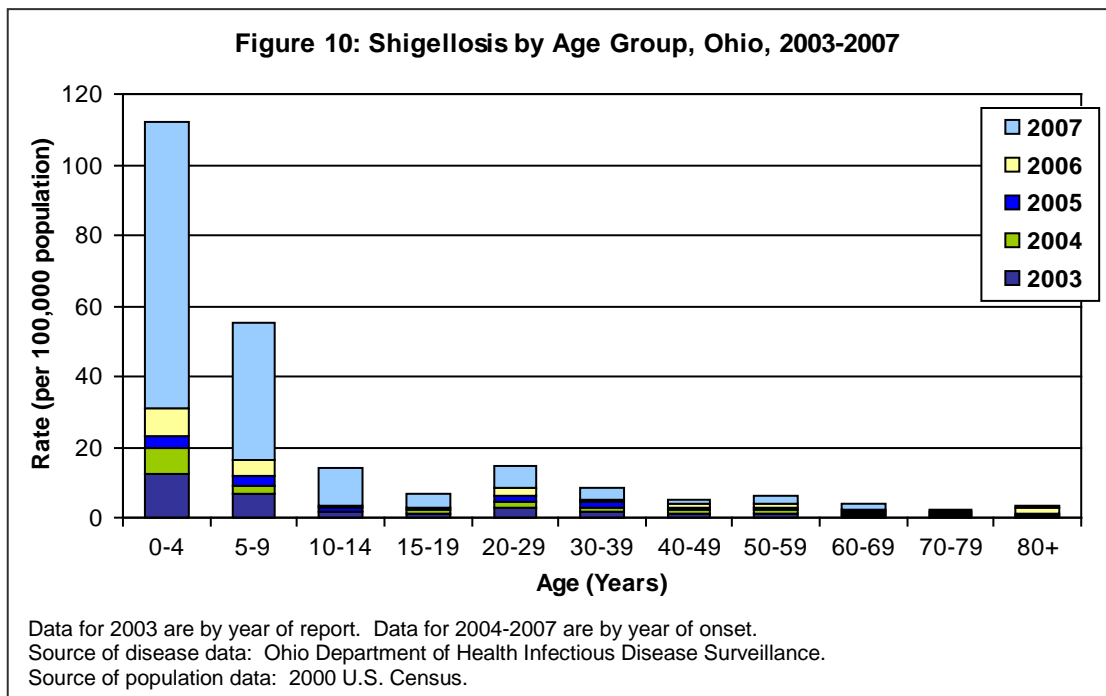
## SHIGELLOSIS

Number of cases in 2007:	1,277	Rate in 2007:	11.1
Number of cases in 2006:	200	Rate in 2006:	1.7

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Shigellosis is an infectious disease caused by a group of bacteria known as *Shigella*.<sup>19</sup> *Shigella* species are Gram-negative, non-spore forming, rod-shaped bacilli in the family Enterobacteriaceae.<sup>20</sup> There are four species of *Shigella*: *Shigella boydii*, *Shigella dysenteriae*, *Shigella flexneri* and *Shigella sonnei*. *Shigella* species primarily infect the large intestine, causing clinical manifestations that range from loose or watery stools to more severe symptoms including fever, abdominal tenderness or cramps and mucoid stools with or without blood.<sup>21</sup> *Shigella* is spread directly via person-to-person contact by the fecal-oral route.<sup>19</sup> Transmission by eating contaminated foods and/or swallowing contaminated water may also occur.

Figure 10 demonstrates the burden of shigellosis over the past five years in Ohio by age group. Although most recognized cases occur in children less than 10 years of age (1,296), persons of all ages are at risk for shigellosis. Among *Shigella* isolates reported in Ohio 2003-2007, 81 percent were *S. sonnei*, 6 percent were *S. flexneri* and less than 1 percent of cases were identified as either *S. boydii* or *S. dysenteriae*. In addition, approximately 13 percent of shigellosis cases did not have a species reported.



## STREPTOCOCCAL DISEASE, GROUP A, INVASIVE

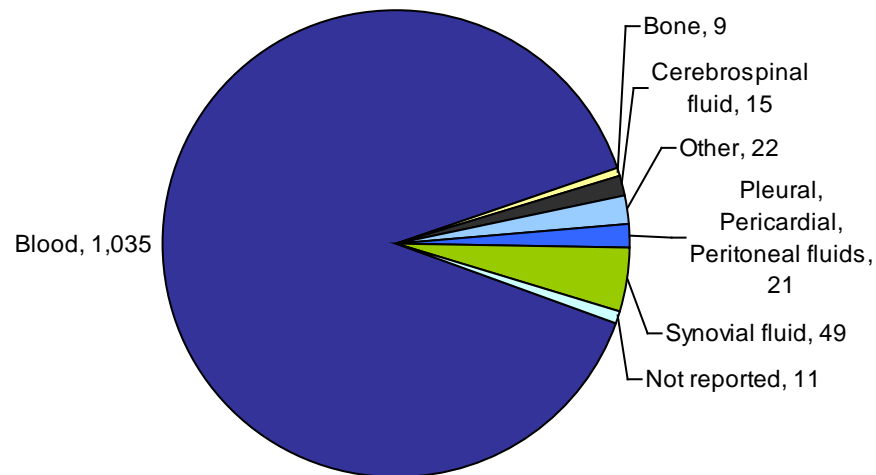
<i>Number of cases in 2007:</i>	226	<i>Rate in 2007:</i>	2.0
<i>Number of cases in 2006:</i>	245	<i>Rate in 2006:</i>	2.1

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Invasive Group A *Streptococcus* (GAS) is caused when a normally sterile site is infected with the bacteria *Streptococcus pyogenes*. *S. pyogenes* is a bacteria commonly found in the throat and on the skin of healthy people with no symptoms of illness. Those with underlying chronic health conditions such as diabetes, cancer or HIV infection are at a greater risk to develop invasive GAS disease.<sup>23</sup>

As seen in Figure 11, over the past five years, the majority of GAS cases in Ohio were isolated from blood (1,035) followed by synovial fluid (49), peritoneal, pericardial and/or pleural fluids (21) and cerebrospinal fluid (15). The number of invasive GAS cases reported has been declining since 2003 (2003: 287, 2004: 199, 2005: 245 and 2007: 226), while the proportion of cases isolated from blood has increased during this same time period (2003: 85 percent, 2004: 91 percent, 2005: 93 percent, 2006: 89 percent and 2007: 91 percent).

**Figure 11: Invasive Group A *Streptococcus* Cases by Specimen Site, Ohio, 2003-2007**



Data for 2003 are by year of report. Data for 2004-2007 are by year of onset.  
Source of disease data: Ohio Department of Health Infectious Disease Surveillance.

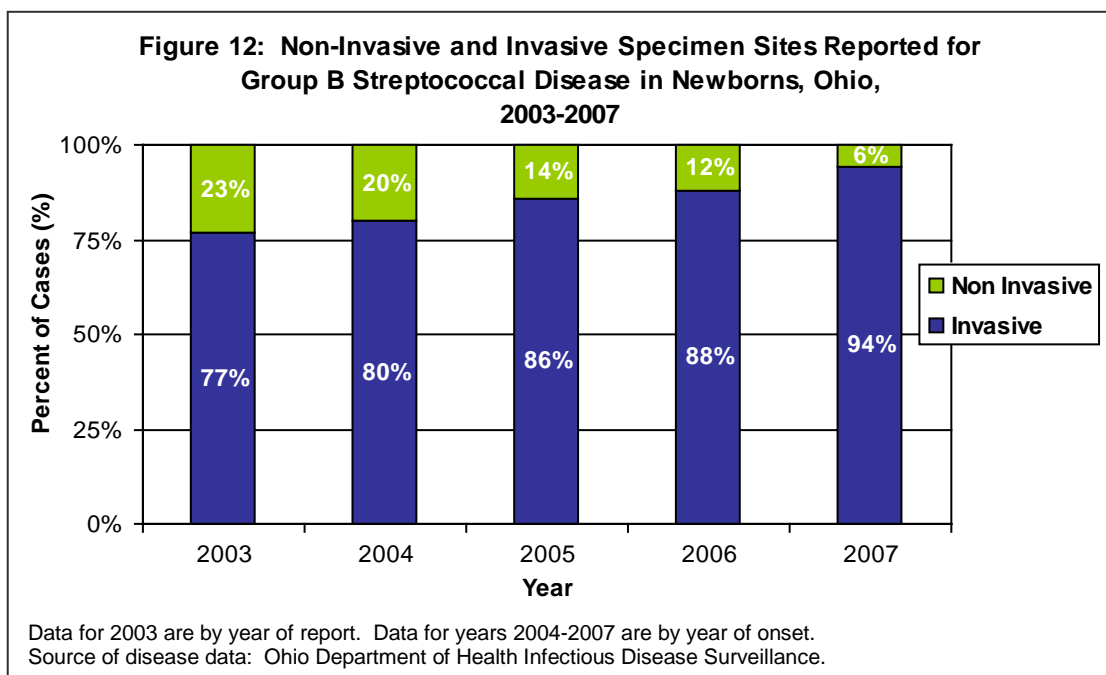
## STREPTOCOCCAL DISEASE, GROUP B, IN NEWBORN

<i>Number of cases in 2007:</i>	49	<i>Rate in 2007:</i>	0.4
<i>Number of cases in 2006:</i>	63	<i>Rate in 2006:</i>	0.5

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Group B *Streptococcus* (GBS) is a type of bacterium that causes illness in pregnant women, their newborn babies, the elderly and adults with chronic illnesses. GBS is the most common cause of life-threatening infections in newborns, including sepsis and meningitis. As such, routine prenatal screening of pregnant women for GBS colonization at 35-37 weeks gestation is recommended in the United States.<sup>24</sup> Newborn GBS is a reportable condition in Ohio for infants 3 months or less of age, and unlike several other reportable bacterial pathogens, it is reportable from both sterile and non-sterile specimen sites.

As seen in Figure 12, the majority of newborn infections in Ohio from Group B *Streptococcus* were reported from normally sterile specimen sites. Since 2003, the proportion of cases isolated from a normally sterile site continues to increase. The only sterile sites from which newborn GBS was isolated over the past five years were blood or serum (84 percent) and cerebrospinal fluid (16 percent).



## VARICELLA

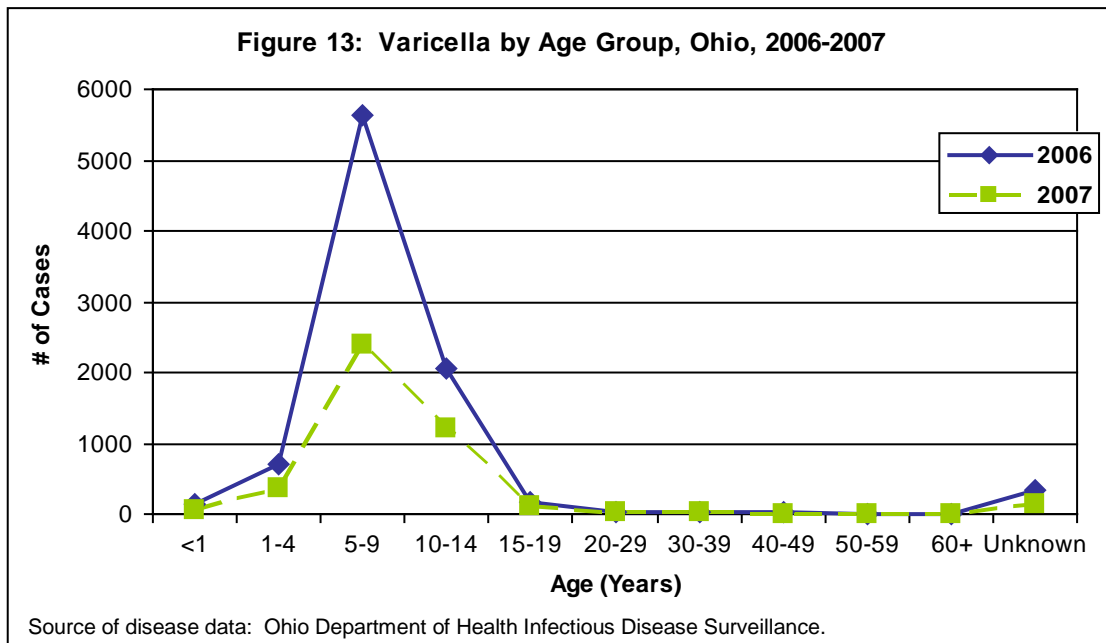
<i>Number of cases in 2007:</i>	<i>4,364</i>	<i>Rate in 2007:</i>	<i>38.1</i>
<i>Number of cases in 2006:</i>	<i>8,859</i>	<i>Rate in 2006:</i>	<i>77.2</i>

\* Rates are based on U.S. Census midpoint estimates for each year and are per 100,000 population.

Varicella, also known as chickenpox, is caused by the varicella zoster virus, a member of the herpesvirus family.<sup>25</sup> The most common symptoms of chickenpox are fever, malaise and a generalized itchy rash first seen on the head and trunk. This is followed by rapid progression to macules, papules and vesicular lesions that produce blisters on other areas of the body. These blisters will dry, crust over and form scabs. Lesions that have scabbed over are not infectious. Varicella is spread by direct contact with the drainage from infectious lesions or airborne respiratory tract secretions. Varicella occurs worldwide and is common in the United States. The disease occurs most frequently in winter and early spring. Most people get chickenpox during their childhood years. Disease in adults is often severe and may result in complications (e.g., secondary bacterial infections).

The first varicella vaccine was licensed by the U.S. Food and Drug Administration in 1995. Routine vaccination is recommended for all healthy children 12 months through 15 months of age, with a second dose recommended between 4 and 6 years of age. In addition, those 13 years of age and older without a history of disease and susceptible adults are also targeted for vaccination.<sup>26</sup>

As seen in Figure 13, the majority of varicella cases reported in Ohio between 2006 and 2007 occurred in the 5-9-year age group. It is not known what proportion of this age group was unvaccinated. As of Jan. 1, 2006, varicella became a Class A(3) reportable disease in Ohio, reportable by individual case at the end of the work week. Prior to 2006, varicella was reportable as an aggregate (total number of cases) at the end of each work week. The reason for the sharp decline of cases between 2006 and 2007 is unknown.



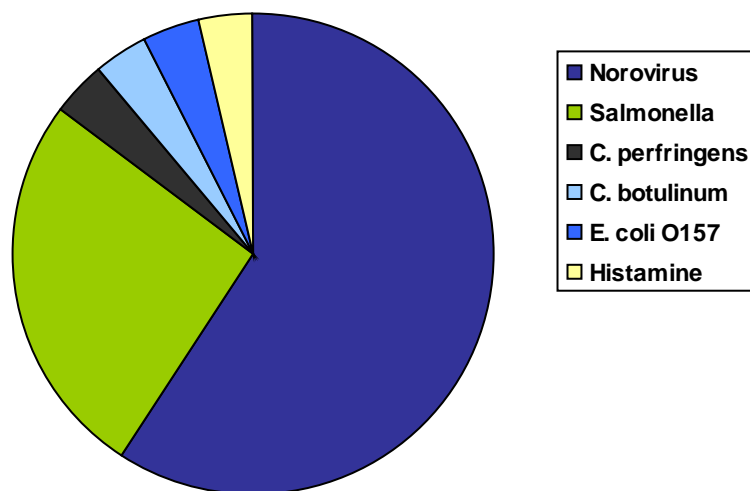
# PROFILES OF SELECTED OUTBREAKS

The Outbreak Response and Bioterrorism Investigation Program (ORBIT) at the Ohio Department of Health (ODH) assisted local health jurisdictions in Ohio in the investigation of 309 outbreaks during 2007. These outbreaks were detected in 61 of 88 counties throughout the state. The number of Ohioans known to be ill from these outbreaks was 5,855. The outbreaks were classified as: person-to-person (117), foodborne (87), staphylococcal skin infections (39), outbreaks of a Class A agent (28), scabies (18), hospital-acquired (eight), waterborne (nine), conjunctivitis (two) and pediculosis (one). Causative agents identified during the outbreak investigations included: *Balamuthia mandrillaris*, *Clostridium botulinum*, *Clostridium perfringens*, *Cryptosporidium*, *E. coli* O157, *Legionella* spp., Norovirus, *Salmonella* spp., *Sarcoptes scabiei*, *Serratia marcescens*, *Shigella sonnei*, *Staphylococcus aureus* (including methicillin-resistant) and *Tinea* spp. Point-source outbreaks that are neither foodborne nor waterborne account for an increasing percentage of outbreaks investigated. Details on selected types of outbreaks are discussed below.

## FOODBORNE OUTBREAKS

In 2007, 27 of the 87 foodborne outbreaks reported in Ohio were confirmed foodborne disease outbreaks. These outbreaks met the general definition of a foodborne outbreak: "An incident in which two or more persons experience a similar illness after ingestion of a common food, and epidemiologic analysis implicates the food as the source of the illness." These 27 outbreaks also met the agent-specific criteria for confirmation of outbreaks, as shown in Figure 1. For these 27 foodborne outbreaks, the causative agent was distributed as follows: Norovirus (16), *Salmonella* (seven), *Clostridium perfringens* (one), *Clostridium botulinum* (one), *E. coli* O157 (one) and scombroid fish poisoning (one).

**Figure 1: Confirmed Foodborne Disease Outbreaks by Etiologic Agent, Ohio, 2007**



Source of outbreak data: Ohio Department of Health Outbreak Response and Bioterrorism Investigation Program.

## UNUSUAL INCIDENCE OUTBREAKS

In 2007, ORBIT assisted local health jurisdictions in Ohio to investigate 117 outbreaks classified as “Unusual Incidence.” These outbreaks were detected in 35 of Ohio’s 88 counties (Table 1). The number of Ohioans known to be ill from these outbreaks was 3,346. One-hundred two (87 percent) of these outbreaks were identified as gastrointestinal (GI) illnesses, primarily caused by Norovirus. Fifty-three (52 percent) of these GI outbreaks were confirmed Norovirus by stool testing at ODH Laboratory. The remaining suspect Norovirus outbreaks could not be confirmed either because no stool specimens were submitted or an inadequate number of stool specimens were positive (i.e., fewer than two). The Norovirus outbreaks occurred in a variety of settings, including assisted living/retirement communities, child care centers, correctional facilities, group homes, hospitals, long-term care facilities, private homes and schools.

**Table 1: Unusual Incidence Outbreaks by County, Ohio, 2007**

<b>County</b>	<b># of Outbreaks (# of Ill Persons)</b>	<b>County</b>	<b># of Outbreaks (# of Ill Persons)</b>
Allen	3 (120)	Lake	7 (178)
Ashland	2 (96)	Logan	1 (6)
Ashtabula	1 (7)	Lorain	7 (297)
Belmont	1 (45)	Lucas	3 (15)
Butler	1 (4)	Medina	5 (69)
Clark	4 (129)	Montgomery	4 (147)
Clermont	2 (24)	Muskingum	2 (36)
Clinton	1 (75)	Pickaway	1 (50)
Cuyahoga	28 (726)	Pike	1 (11)
Delaware	3 (60)	Richland	3 (135)
Erie	1 (6)	Ross	1 (11)
Fairfield	1 (55)	Sandusky	7 (256)
Franklin	9 (250)	Seneca	1 (104)
Hamilton	7 (159)	Shelby	1 (8)
Harrison	1 (41)	Stark	2 (79)
Henry	1 (10)	Summit	2 (28)
Hocking	1 (46)	Wood	1 (60)
Jefferson	1 (3)	<b>Total</b>	<b>117 (3,346)</b>

Source of outbreak data: Ohio Department of Health Outbreak Response and Bioterrorism Investigation Program.

## WATERBORNE OUTBREAKS

In 2007, nine waterborne outbreaks were reported in Ohio from seven counties (Table 2). Counties reporting included Auglaize (1), Cuyahoga (3), Franklin (1), Lake (1), Medina (1), Mercer (1) and Warren (1). The outbreaks affected 749 individuals and ranged in size from 1 to 692 (median = 4). These outbreaks met the CDC case definition.

**Table 2: Waterborne Disease Outbreaks by Month of Onset, Ohio, 2007**

County	Month	Predominant Symptoms	# of Cases (Deaths)	Type of Water	Etiology	Setting
Warren	Feb.	Respiratory	692 (0)	Recreational	Chemical	Water park
Auglaize	Mar.	Skin	2 (0)	Recreational	Rash (unknown)	Hot tub
Cuyahoga	Mar.	GI	4 (0)	Drinking	Suspect Chemical	Bottled water
Lake	Mar.	Multi (skin, eye, resp.)	31 (0)	Recreational	Suspect chemical	Pool
Franklin	Mar.	Skin	4 (0)	Recreational	Rash (unknown)	Pool/Spa
Medina	Jun.	Meningo-encephalitis	1 (1)	Recreational	<i>Balamuthia mandrillaris</i>	Pond
Mercer	Sep.	GI	10 (0)	Recreational	<i>Cryptosporidium</i>	Pond
Cuyahoga	Oct.	Respiratory	2 (0)	Recreational	<i>Legionella</i> spp.	Hotel
Cuyahoga	Nov.	Respiratory	3 (0)	Unknown Intent	<i>Legionella</i> spp.	Healthcare-associated

Source of outbreak data: Ohio Department of Health Outbreak Response and Bioterrorism Investigation Program.

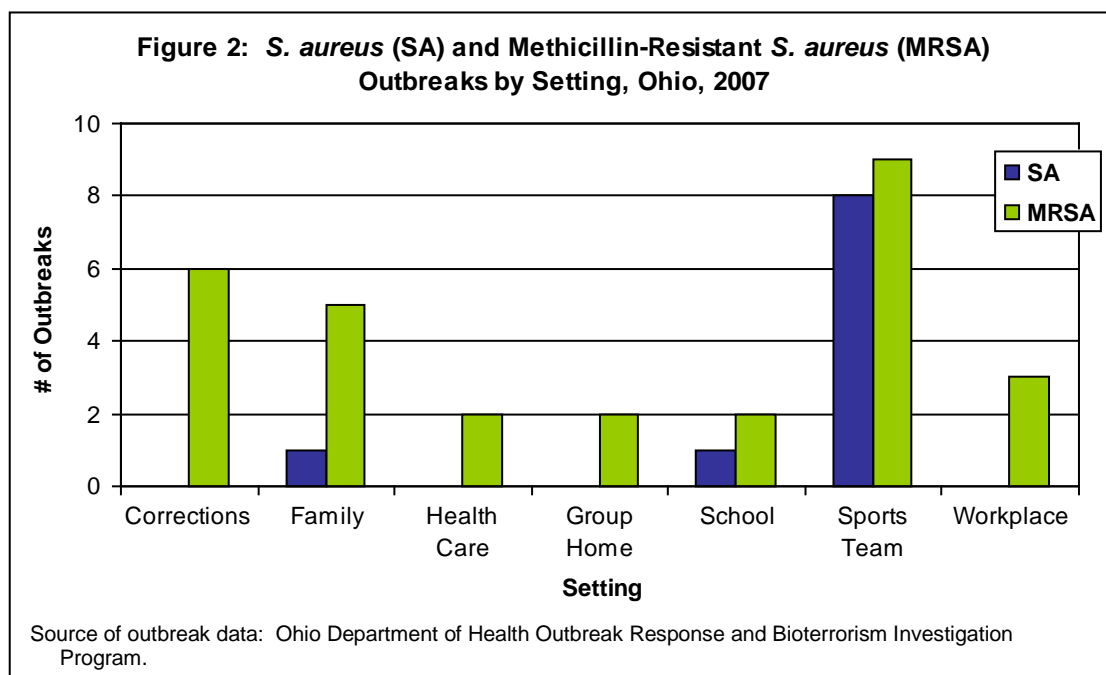


## OUTBREAKS INVOLVING *STAPHYLOCCUS AUREUS*

In accordance with the Ohio Administrative Code (OAC) 3701-3-02, suspected or confirmed staphylococcal skin infection outbreaks and healthcare-associated outbreaks, including those caused by staphylococcal bacteria, are reportable to local public health districts.

In 2007, there were 39 outbreaks due to *Staphylococcus aureus* (SA) bacteria reported to ODH. Methicillin-resistant *S. aureus* (MRSA) was identified in 29 (74 percent) of the outbreaks reported in 2007. Ill persons related to these outbreaks numbered 230. *S. aureus*, often called “staph,” are bacteria commonly carried on the skin or in the nose of healthy people. Approximately 25 percent to 30 percent of the population is colonized (when bacteria are present but not causing an infection) with staph bacteria. Colonization by *S. aureus* bacteria at these sites is often, however not always, a precursor to staphylococcal infections. A staph bacterium is one of the most common causes of skin infections in the United States.

Some staph bacteria are resistant to antibiotics. MRSA is resistant to all available beta-lactam agents (penicillins and cephalosporins). The epidemiology of infections caused by MRSA is rapidly changing. In the past 10 years, infections caused by this organism have emerged in the community. The figure below, Figure 2, depicts the number of outbreaks caused by *S. aureus* (SA) and MRSA reported to ODH in 2007.



The majority of outbreaks reported in 2007 involved students on sports teams in school settings (Figure 2). Obstacles to the investigation of many of these outbreaks have been delayed reporting and the misconception that laws providing privacy to individual students do not allow outbreaks to be investigated by public health. However, once outbreaks in school settings are identified, school officials and public health are quick to identify possible causes of transmission and to initiate appropriate steps to prevent additional cases.

New strains of MRSA have emerged in the community with implications for management of skin infections and other staphylococcal infections. Patient education on proper wound care is a critical component of case management for patients with skin infections. Strategies

focusing on increased awareness, early detection and appropriate management, enhanced hygiene and maintenance of a clean environment have been successful in controlling outbreaks of infections.

## MULTISTATE INVESTIGATIONS

In 2007, Ohio had cases in three multistate foodborne outbreaks involving products that were distributed nationwide. These are summarized briefly below:

In February 2007, an outbreak of *Salmonella* Tennessee was recognized by pulsed-field gel electrophoresis (PFGE). There were 425 cases reported nationwide; 19 were from Ohio. Serotyping and PFGE analysis of Ohio's clinical isolates was done by the ODH Laboratory. This outbreak was associated with the consumption of several brands of peanut butter, which were made at a single plant in Georgia. A nationwide recall of the implicated peanut butter occurred on Feb. 14, 2007.

In July and August 2007, Ohio reported three cases of foodborne botulism. These cases were linked to consumption of Castleberry hot dog chili sauce. This product was recalled nationwide. ODH Laboratory identified botulinum toxin and grew the bacterium, *Clostridium botulinum*, from leftover sauce from one of the Ohio cases.

In October 2007, a nationwide outbreak of *Salmonella* (I) 4,[5],12:i:- was recognized by PFGE. There were 345 cases nationwide, 21 of which were from Ohio. Serotyping and PFGE analysis of Ohio's clinical isolates was done by the ODH Laboratory. These cases were associated with the consumption of frozen pot pies. A nationwide recall of several brands of these products occurred on Oct. 11, 2007.

Further information about these outbreaks can be found at the following sites:

*Salmonella* Tennessee: [http://www.cdc.gov/ncidod/dbmd/diseaseinfo/salmonellosis\\_2007/outbreak\\_notice.htm](http://www.cdc.gov/ncidod/dbmd/diseaseinfo/salmonellosis_2007/outbreak_notice.htm)

Botulism: <http://www.cdc.gov/botulism/botulism.htm>

*Salmonella* (I) 4,[5],12:i:-: <http://www.cdc.gov/salmonella/4512eyeminus.html>

Also in 2007, there was one multistate outbreak involving dog food and one involving turtles. These are summarized below:

During spring/summer 2007, Ohio had three human cases and one dog that were PFGE linked to *Salmonella* Schwarzengrund. This is a very rare strain of *Salmonella* (0.6 percent of all *Salmonella* cases as of January 2008) that infected both people and dogs in 19 states. The common link in these cases appeared to be related to dog food that was manufactured in the same plant.

In September 2007, a nationwide outbreak of *Salmonella* Paratyphi B, var. Java was uncovered by PFGE. There were 133 cases nationwide from 33 states; three of these were from Ohio. Serotyping and PFGE analysis of Ohio's clinical isolates was done by the ODH Laboratory. These cases were associated with contact with small turtles. More than 60 percent of cases had contact with turtles, and 87 percent of those had contact with illegal small turtles with a carapace size less than four inches.

Further information about these outbreaks can be found at the following sites:

*Salmonella* Schwarzengrund: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5719a4.htm>

*Salmonella* Paratyphi B, var. Java: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5703a3.htm>

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

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

- |                  |                  |
|------------------|------------------|
| • Blastomycosis  | • Sporotrichosis |
| • Histoplasmosis | • 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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