

Communicable Disease Update

OCTOBER, 2017

Test + Treat + Isolate = Pertussis Prevention

Be a public health hero! Please review key pertussis facts:

- Pertussis circulates at low levels in the community throughout the year with cyclical increases every few years.
- Pertussis can be deadly to infants under the age of one.
- Pertussis is a reportable infection. All individuals tested for pertussis should be immediately treated AND isolated at home for five days. Report all suspect pertussis cases in Dane County to Public Health Madison & Dane County (PHMDC) using our [suspect pertussis case report form](#).
- Suspect case of pertussis definition:
 - any acute cough illness lasting seven or more days with no other likely explanation
 - any acute cough illness with paroxysmal cough or inspiratory whoop
 - any acute cough illness in a person who is a close contact to a case of pertussis
 - any cough associated with apnea in an infant
- Antibiotic treatment for all household and close contacts is essential when a confirmed case is identified.
- It is possible to have pertussis even though the PCR test is negative. Consider the limitations of the PCR test when coming to a diagnosis:
 - PCR accuracy decreases significantly 21 days after cough onset
 - Accuracy is dependent on technique of clinic staff and cooperation of the patient
 - PCR is not reliable if the patient has already started antibiotics

What happens after pertussis is reported to PHMDC?

A Public Health Nurse will interview the patient to review symptoms, identify the contagious period, provide education and assure that the patient is completing treatment and isolation. The nurse works with the patient/guardian to identify household and other close contacts that need prophylactic treatment and or identify other symptomatic cases.

PHMDC provides antibiotic prophylaxis for pertussis to Dane County residents who do not have health insurance or are unable to pay for the antibiotic. PHMDC also provides free immunizations to children who have no insurance or Badger Care and to adults who have no insurance or no vaccine coverage.

The Public Health Nurse also assures notification to daycare, school, and work place if an individual with confirmed or probable pertussis was attending while contagious.

Questions? Call (608) 266-4821 and ask to speak with the ACD (Acute & Communicable Disease) nurse on call. Learn more about pertussis in the "For Health Professionals" section of the Wisconsin Division of Public Health's [pertussis webpage](#).

Acute & Communicable Disease Summary for July - September 2017 Dane County

Below is a preliminary listing of the acute and communicable diseases reported to Public Health Madison & Dane County (PHMDC) during **July - September 2017 and July - September 2016** for comparison. Data are based on ACD reports received by PHMDC. These numbers are not a complete picture of communicable diseases in Dane County; some infections may not have been reported yet and some are never reported. If a disease is not listed there were no reports in this quarter for this year or last year.

Reportable Communicable Diseases in Dane County

Disease	Number of Cases	
	3rd Q 2017	3rd Q 2016
Anaplasmosis	7	4
Babesiosis	1	1
Blastomycosis	1	1
California serogroup virus	1	0
Campylobacter	48	46
Chikungunya virus	1	0
Chlamydia	676	595
Coccidioidomycosis	1	0
Cryptosporidium	23	33
Cyclosporiasis	0	1
Dengue virus	2	0
E. coli, enteropathogenic	2	0
E. coli, Shiga toxin-producing	13	12
Ehrlichiosis	2	0
Giardia	35	22
Gonorrhea	148	100
Haemophilus influenzae invasive disease	2	0
Hepatitis A	2	2
Hepatitis B	17	12
Hepatitis C	56	68
Hepatitis D	0	0
Histoplasmosis	2	1
Influenza-associated hospitalization	6	1
Legionella	5	0
Listeriosis	0	1
Lyme Disease	102	83
Malaria	2	0
Meningitis, bacterial other	4	4
Mumps	0	1
Pelvic inflammatory disease	0	1
Pertussis (confirmed & probable)	11	14
Rocky Mountain spotted fever	2	0
Salmonella	58	27
Shigella	8	5
Streptococcus, Group A invasive disease	7	0
Streptococcus, Group B invasive disease	6	7
Streptococcus pneumoniae invasive disease	4	1
Syphilis (1°, 2°)	7	1
Syphilis, latent	13	8
Tuberculosis	1	3
Varicella	3	1
Vibriosis	0	2
West Nile virus	3	2
Yersiniosis	1	1

Early Flu Season



The Wisconsin Department of Health Services (WDHS) is reporting that flu season is starting early this year. In Dane County, nine influenza-related hospitalizations have been reported since August 15, 2017. All of these infections were due

to influenza type A viruses (one H1N1, one H3N2, seven undifferentiated). In comparison, ten influenza-related hospitalizations were reported in Dane County between August 15 and December 31, 2016.

The Wisconsin Department of Health Services has a series of new flyers to promote influenza vaccination that can be hung in clinics. They are available in English, Spanish, and Hmong. On this same website, you can also sign up to receive WDHS's weekly Respiratory Virus Surveillance Report.

U=U

Recent studies have shown that individuals taking antiretroviral therapy (ART) for their HIV infections who achieve sustained viral suppression (undetectable viral load) do not transmit HIV sexually. This offers hope and freedom to people living with HIV to have new social, sexual, and reproductive choices. However, barriers to HIV-related care still exist in Wisconsin and nationwide. Public Health Madison & Dane County and its partners are working to get people tested for HIV and into care in order to protect the health of people living with HIV and to prevent transmission. For more information, please see the CDC's September 27 Dear Colleague letter and the Prevention Access Campaign's consensus statement.



PUBLIC HEALTH CONTACT INFORMATION

Report Communicable Diseases in Madison and Dane County:

Call the Communicable Disease Intake Nurse..... (608) 266-4821
Fax: Communicable Disease Intake Nurse..... (608) 266-4858
Mail: PUBLIC HEALTH MADISON & DANE COUNTY
ATTN: COMMUNICABLE DISEASE
2300 S PARK ST STE 2010
MADISON WI 53713

Communicable Disease Epidemiologist:

Amanda Kita-Yarbro (akita@publichealthmdc.com)..... (608) 243-0336

Public Health Madison & Dane County:

General (608) 266-4821
Fax (608) 266-4858

After Hours Contact Number for Public Health Madison & Dane County:

Dane County Non-Emergency Dispatch (608) 267-3913