

Communicable Disease Update

AUGUST, 2017

Zika Vector Found in Dane County

The mosquito *Aedes albopictus* was found this summer in Dane County. This is the first time this mosquito has been found in Wisconsin. *A. albopictus* is capable of transmitting viruses such as Zika, dengue, and Chikungunya. Local transmission of Zika is not expected in Wisconsin as small populations of *A. albopictus* have also been found in many other states and there has not been local transmission of Zika in these states. This discovery does not change the guidelines for Zika testing and prevention in Wisconsin. Public Health Madison & Dane County will continue to monitor mosquito populations in Dane County in partnership with the University of Wisconsin to determine how widespread *A. albopictus* is.



New TB Videos for Providers

The Public Health Madison & Dane County TB Team created two new videos about tuberculosis (TB) for health care providers. In our "TB 101" video a general overview of active and latent TB is provided, discussing risk factors for infection and disease and the different treatment options available for active and latent TB. In our "How to Partner with Public Health" video we discuss how and when providers should contact Public Health and how we can partner together to provide the best outcomes for our patients.

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Acute & Communicable Disease Summary for April - June 2017 Dane County

Below is a preliminary listing of the acute and communicable diseases reported to Public Health Madison & Dane County (PHMDC) during **April - June 2017** and **April - June 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 | |
|---|-----------------|------------|
| | 2nd Q 2017 | 2nd Q 2016 |
| Anaplasmosis | 4 | 4 |
| Campylobacter | 32 | 36 |
| Chlamydia | 599 | 563 |
| Cryptosporidium | 17 | 14 |
| Coccidioidomycosis | 0 | 1 |
| Cyclosporiasis | 1 | 0 |
| Dengue virus | 3 | 1 |
| E. coli, Shiga toxin-producing | 7 | 10 |
| Giardia | 12 | 13 |
| Gonorrhea | 137 | 110 |
| Haemophilus influenzae invasive disease | 3 | 2 |
| Hepatitis A | 1 | 0 |
| Hepatitis B | 22 | 20 |
| Hepatitis C | 64 | 88 |
| Hepatitis D | 1 | 0 |
| Histoplasmosis | 2 | 3 |
| Influenza-associated hospitalization | 64 | 33 |
| Legionella | 2 | 3 |
| Listeriosis | 0 | 0 |
| Lyme Disease | 49 | 22 |
| Malaria | 0 | 1 |
| Meningitis, bacterial other | 4 | 3 |
| Mumps | 1 | 0 |
| Pelvic inflammatory disease | 3 | 2 |
| Pertussis (confirmed & probable) | 12 | 18 |
| Q fever | 1 | 0 |
| Rocky Mountain spotted fever | 0 | 1 |
| Salmonella | 20 | 27 |
| Shigella | 1 | 7 |
| Streptococcus, Group A invasive disease | 9 | 4 |
| Streptococcus, Group B invasive disease | 12 | 10 |
| Streptococcus pneumoniae invasive disease | 10 | 8 |
| Syphilis (1°, 2°) | 3 | 12 |
| Syphilis, latent | 10 | 11 |
| Toxoplasmosis | 1 | 0 |
| Tuberculosis | 2 | 3 |
| Vancomycin-intermediate S. aureus (VISA) | 1 | 0 |
| Varicella | 7 | 8 |
| Vibriosis | 2 | 1 |
| Yersiniosis | 1 | 0 |
| Zika virus | 0 | 2 |

Acute & Communicable Disease Reports for 2016

For Wisconsin case definitions, see individual diseases at: www.dhs.wisconsin.gov/disease.

| Diseases | Dane County | |
|---|-------------|------|
| | 2016 | 2015 |
| Sexually Transmitted Infections | | |
| Chlamydia | 2348 | 2025 |
| Gonorrhea | 436 | 409 |
| Syphilis (1° & 2°) | 31 | 10 |
| Syphilis, latent | 31 | 19 |
| HIV/AIDS | 23 | 20 |
| Other Communicable Diseases | | |
| Anaplasmosis | 10 | 11 |
| Babesiosis | 1 | 0 |
| Blastomycosis | 2 | 2 |
| Botulism | 0 | 0 |
| Brucellosis | 1 | 0 |
| Campylobacteriosis | 134 | 117 |
| Chikungunya | 1 | 3 |
| Coccidioidomycosis | 1 | 1 |
| Cryptosporidiosis | 75 | 46 |
| Cyclosporiasis | 1 | 1 |
| Dengue | 3 | 0 |
| E. coli, shiga toxin-producing | 30 | 32 |
| Ehrlichiosis | 0 | 1 |
| Ehrlichiosis/anaplasmosis undetermined | 1 | 0 |
| Elizabethkingia | 2 | 0 |
| Giardia | 70 | 76 |
| Haemophilus influenzae invasive disease | 4 | 9 |
| Hemolytic uremic syndrome | 0 | 0 |
| Hepatitis A | 4 | 2 |
| Hepatitis B* | 76 | 57 |
| Hepatitis C* | 348 | 303 |
| Hepatitis D | 0 | 0 |
| Hepatitis E | 0 | 1 |
| Histoplasmosis | 3 | 1 |
| Influenza A, novel subtype | 0 | 0 |
| Influenza-associated hospitalization | 192 | 249 |

| Diseases | Dane County | |
|---|-------------|------|
| | 2016 | 2015 |
| Other Communicable Diseases continued | | |
| Jamestown Canyon virus | 0 | 0 |
| LaCrosse encephalitis | 0 | 0 |
| Legionellosis | 12 | 9 |
| Listeriosis | 2 | 1 |
| Lyme Disease | 127 | 105 |
| Malaria | 1 | 2 |
| Meningitis, bacterial other | 15 | 10 |
| Meningococcal disease | 4 | 0 |
| Mumps | 5 | 6 |
| Pelvic inflammatory disease | 11 | 5 |
| Pertussis | 85 | 109 |
| Q fever | 0 | 4 |
| Rocky Mountain Spotted Fever | 1 | 0 |
| Salmonella | 79 | 90 |
| Shigella | 30 | 14 |
| Streptococcal disease, invasive, Group A | 12 | 13 |
| Streptococcal disease, invasive, Group B | 31 | 37 |
| Streptococcal disease, invasive, pneumococcal | 29 | 25 |
| Tetanus | 0 | 0 |
| Toxic shock syndrome | 0 | 1 |
| Toxoplasmosis | 0 | 3 |
| Transmissible spongiform encephalopathy | 2 | 2 |
| Tuberculosis | 9 | 6 |
| Typhoid fever | 0 | 0 |
| Typhus fever | 0 | 0 |
| Varicella | 24 | 33 |
| Vibriosis, non-cholera | 3 | 0 |
| West Nile virus infection | 3 | 0 |
| Yersiniosis | 2 | 0 |
| Zika virus | 15 | 0 |

*Includes newly reported carriers

Updated Recommendations for Zika Testing in Pregnant Women

The CDC has updated its [recommendations](#) for Zika testing in pregnant women. In response to these recommendations, the Wisconsin Division of Public Health is no longer approving fee exempt testing for asymptomatic pregnant women without ongoing exposure to Zika (see [memo](#)). Please continue to contact the Wisconsin Division of Public Health (608-267-9003) if you would like to request fee-exempt Zika testing for symptomatic pregnant women or a pregnant woman with ongoing exposure.

Summary of the CDC's key recommendations:

1. All pregnant women in the United States and U. S. territories should be asked about possible Zika virus exposure *before* and *during* the current pregnancy, at every prenatal care visit.
2. Pregnant women with recent possible Zika virus exposure and symptoms of Zika virus diseases should be tested to diagnose the cause of the symptoms.
3. Asymptomatic pregnant women with *ongoing* possible Zika virus exposure should be offered Zika virus NAT testing three times during pregnancy.
4. Asymptomatic pregnant women who have recent possible Zika virus exposure (i.e., through travel or sexual exposure) but *without ongoing* possible exposure are not routinely recommended to have Zika virus testing.
5. Pregnant women who have recent possible Zika virus exposure and who have a fetus with prenatal ultrasound findings consistent with congenital Zika virus syndrome should receive Zika virus testing to assist in establishing the etiology of the birth defects.
6. The comprehensive approach to testing placental and fetal tissues has been updated.
7. Zika virus IgM testing as part of preconception counseling to establish baseline IgM results for nonpregnant women *with ongoing* possible Zika virus exposure is not warranted.

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