

Communicable Disease Update

FEBRUARY, 2010



PUBLIC HEALTH IS MOVING FROM NORTHPORT DRIVE

Public Health – Madison & Dane County will be moving all staff out of the Northport Drive office (main location of Dane County Division of Public Health before the 2008 merger) in March 2010. Some providers are still sending communicable disease reports and other referrals to this office – please do not send or fax referrals to this address anymore. We are not confident we will receive referrals sent to Northport after we move.

Send Referrals to:

Public Health – Madison & Dane County
 210 Martin Luther King Jr Blvd Room 507
 Madison WI 53703

Or FAX to:

(608) 266-4858

WISCONSIN ELECTRONIC DISEASE SURVEILLANCE SYSTEM

Public Health – Madison & Dane County (PHMDC) has been using the Wisconsin Electronic Disease Surveillance System (WEDSS) for two years to track communicable diseases in Dane County and to report to the Wisconsin Division of Public Health (WDPH). Another component of WEDSS is that health care providers can report communicable diseases to PHMDC via WEDSS rather than by paper reporting. Some providers are already doing this – Dean uploads its positive lab results for reportable diseases to WEDSS, and St Marys Hospital, Meriter Labs, the Veterans Affairs Hospital, and University Health Services all report through WEDSS.

PHMDC and WDPH conducted a WEDSS training for a few individuals from each of the larger health care organizations in Dane County in May (mostly people who work in infection control and labs). If you are interested in implementing WEDSS in your organization for communicable disease reporting (regardless of whether you attended the May training), please contact Amanda Kita-Yarbro (243-0336 or akita@publichealthmdc.com). PHMDC can do additional trainings if there is interest.

WEDSS informational website:

<http://dhs.wisconsin.gov/wiphin/WEDSS.htm>

Acute and Communicable Disease Summary for Oct. - Dec. 2009

Below is a preliminary listing of the acute and communicable diseases reported to Public Health – Madison & Dane County (PHMDC) during October - December 2009 and October - December 2008 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 reports are sent directly to Wisconsin DHS and are not in our databases, some infections may not have been reported yet, and some are never reported.

DISEASE	REPORTABLE COMMUNICABLE DISEASES IN DANE COUNTY	
	3rd Q 2009	3rd Q 2008
<i>Campylobacter</i>	17	31
Chlamydia	386	395
<i>Cryptosporidium</i>	16	16
<i>Cyclospora</i>	0	0
Dengue	0	1
<i>E. coli</i> , enterohemorrhagic including O157:H7	3	7
Ehrlichiosis	1	2
<i>Giardia</i>	9	17
Gonorrhea	77	120
<i>Haemophilus influenzae</i> invasive disease	1	2
Hepatitis A	2	0
Hepatitis B	26	33
Hepatitis C	32	47
Influenza, novel type A	357	0
<i>Legionella</i>	4	1
Listeriosis	1	0
Lyme Disease	33	15
Malaria	0	2
Meningococcal disease	0	0
Mumps	0	1
Pertussis (confirmed & probable)	1	26
<i>Salmonella</i>	19	18
<i>Shigella</i>	4	71
<i>Streptococcus</i> Group A invasive disease	0	2
<i>Streptococcus</i> Group B invasive disease	3	2
<i>Streptococcus pneumoniae</i> invasive disease	12	9
Toxic shock syndrome	0	1
Tuberculosis	1	2
Varicella	11	20
Vibrio	0	0

2009 H1N1 INFLUENZA IN DANE COUNTY IN 2009 & H1N1 IMMUNIZATIONS

In 2009, 1045 cases of 2009 H1N1 influenza infection were reported in Dane County* from May 5 through December 31. The following data are for only those cases with lab results indicating confirmed or probable infection; as most people with H1N1 did not receive testing, this represents only a fraction of the actual number of cases in Dane County.

Cases ranged in age from 3 weeks to 94 years; the average age of all cases was 23 years and the median age was 19. Fifty-six percent of cases were female; the average age in females was 25 and the median age was 21. Eighteen women were pregnant. Forty-four percent of cases were male; the average age in males was 20 and the median age was 15. While the epi curve shows most cases being diagnosed in the spring, the number of hospitalizations was higher in the fall. The increase in hospitalizations in the fall versus the spring is a more accurate indicator of the level of disease being greater in the fall when compared to spring because it is likely the percentage of cases requiring hospitalization did not change from spring to fall and because testing of non-hospitalized cases decreased from spring to fall.

One hundred thirty-six individuals were reported as hospitalized** for H1N1 for more than 24 hours. These patients ranged in age from three weeks to 94 years. The average age was 37 and the median age was 38. Thirty-two of the hospitalized cases were under eighteen years of age (24%). Half of those hospitalized were male, half were female. Five pregnant women were hospitalized. The hospitalization rates were significantly higher Hispanics (32.9/100,000 population) and non-Hispanic Blacks (140.6/100,000) than for non-Hispanic Whites (15.3/100,000). Five Dane County residents with H1N1 died. The four females and one male ranged in age from 55 to 78; all were White, non-Hispanic.

According to the Wisconsin Immunization Registry (WIR), over 89,700 Dane County residents have been vaccinated against H1N1 as of January 25 (almost all organizations providing H1N1 vaccine are entering into WIR). In addition to traditional health care providers, Dane County residents ten and older can also be vaccinated at several retail pharmacies. Public Health – Madison & Dane County is currently providing H1N1 vaccinations in Dane County schools and its regularly scheduled immunization clinics (for schedules see www.publichealthmdc.com/disease/swineflu/immunization/clinics.cfm).

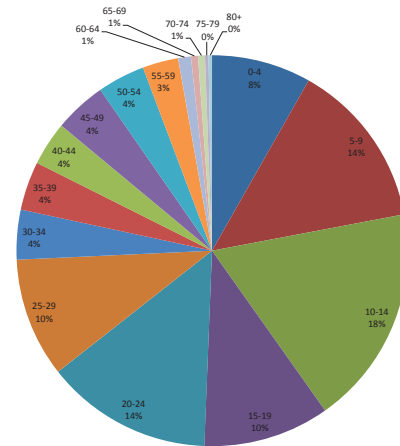
*Confirmed (2009 influenza A (H1N1) virus diagnosed by real-time RT-PCR or viral culture) and probable (positive for influenza A but negative for human H1 and human H3 subtypes using RT-PCR) cases.

**Hospitalized data includes confirmed, probable, and suspect (positive for influenza A by RT-PCR or IFA without further subtyping) cases because more than 99% of those samples subtyped during fall 2009 were H1N1.

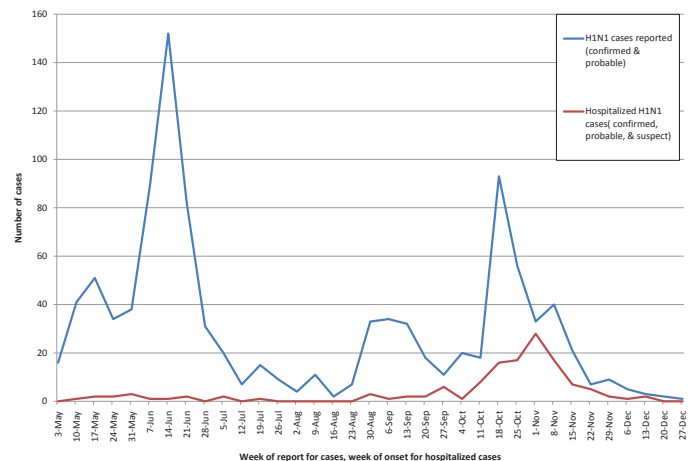
Hospitalization Rates by Age Group

Age Group	Number Hospitalized	Rate per 100,000
0-4	5	16.0
5-9	16	54.3
10-14	7	25.1
15-19	5	14.5
20-24	11	24.1
25-29	9	25.4
30-34	7	19.3
35-39	10	27.8
40-44	6	17.0
45-49	13	35.2
50-54	13	38.2
55-59	12	38.7
60-64	6	26.9
65-69	4	27.7
70-74	5	49.0
75-79	2	23.8
80+	4	29.2

Age Groups of 2009 Influenza A (H1N1) Cases in Dane County in 2009



2009 Influenza A (H1N1) Cases in Dane County in 2009



FOREIGN ADOPTEES – HAITI & ELSEWHERE

Due to the crisis in Haiti following the recent earthquake, the U.S. State Department is allowing a limited number of Haitian orphans to enter the U.S. under “parole” status, which means they do not undergo the standard health screening that foreign adoptees normally have before leaving their home countries. The U.S. Department of Health & Human Services has issued *Interim Recommendations for Initial Domestic Medical Screening of Haitian Orphan Parolees* to guide health care providers in how to care for these children. These recommendations are attached to the email with this newsletter (they are not yet posted on the web), along with several other documents relating to Haitian adoptees.

Even though they undergo standard health screenings before departing for the U.S., foreign adoptees in general have special health care needs when arriving in the U.S. Related to communicable diseases, many children arriving in the U.S. have not received all age-appropriate immunizations – the CDC reports more than 90% of foreign adoptees need catch-up immunizations. Children may also be carrying different communicable diseases, depending on the country of origin. In Dane County it is not uncommon for Public Health – Madison & Dane County to receive reports of recently arrived children with *Giardia* and occasionally hepatitis A. Hepatitis A in particular may spread to other family members and daycare contacts if not detected early (it is recommended that close contacts of adoptees be vaccinated against hepatitis A before the child arrives).



The guidelines for health screenings of foreign adoptees depend on many factors including the health status and age of the child, the country of origin, and the reliability of accompanying health records/history. The CDC has guidelines for health screenings of foreign adoptees on their website <http://wwwnc.cdc.gov/travel/yellowbook/2010/chapter-7/international-adoptions.aspx>. The Child Welfare Information Gateway also has health-related information for foreign adoptees www.childwelfare.gov/adoption/types/intercountry/medical.cfm.

PUBLIC HEALTH CONTACT INFORMATION

To Report Communicable Diseases in all Madison and Dane County Residents:

Call the Communicable Disease Intake Nurse (608) 266-4821
 or mail to: PUBLIC HEALTH-MADISON & DANE COUNTY
 ATTN: COMMUNICABLE DISEASE
 210 MARTIN LUTHER KING BLVD ROOM 507
 MADISON WI 53703
 or fax to: Communicable Disease Intake Nurse (608) 266-4858

Communicable Disease Epidemiologist:

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

Public Health - Madison and Dane County:

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

After Hours Contact Number for Public Health - Madison and Dane County: (608) 376-6403