

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).

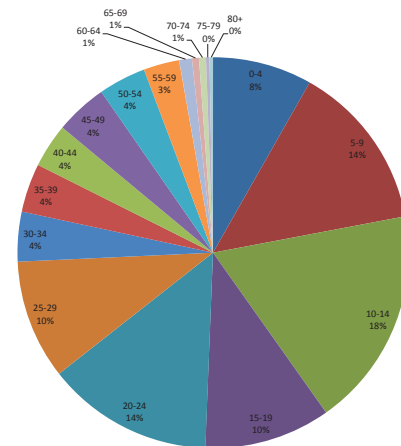
*Confirmed (2009 influenza A (H1N1) virus diagnosed by real-time RT-PCR or viral culture) and probable (positive for influenza A but negative for human H1 and human H3 subtypes using RT-PCR) cases.

**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



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