

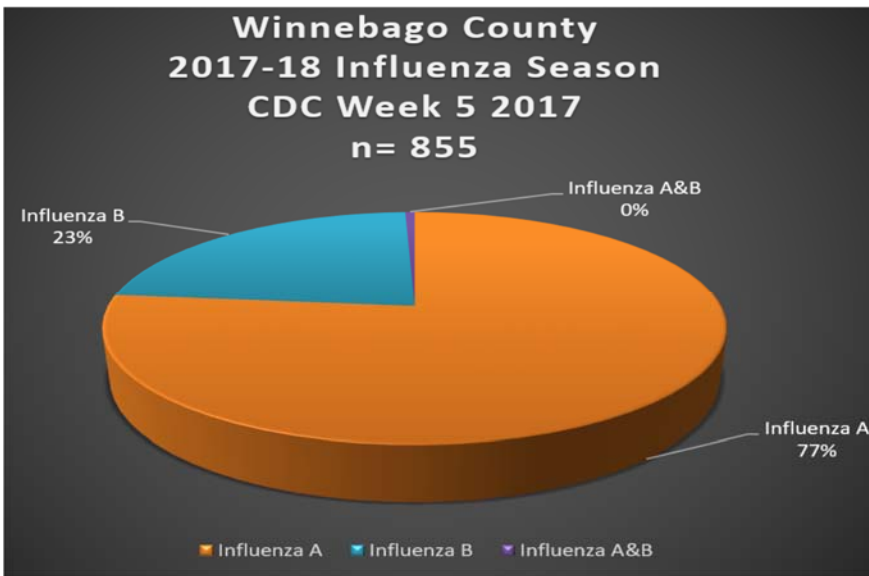
Influenza

SURVEILLANCE REPORT

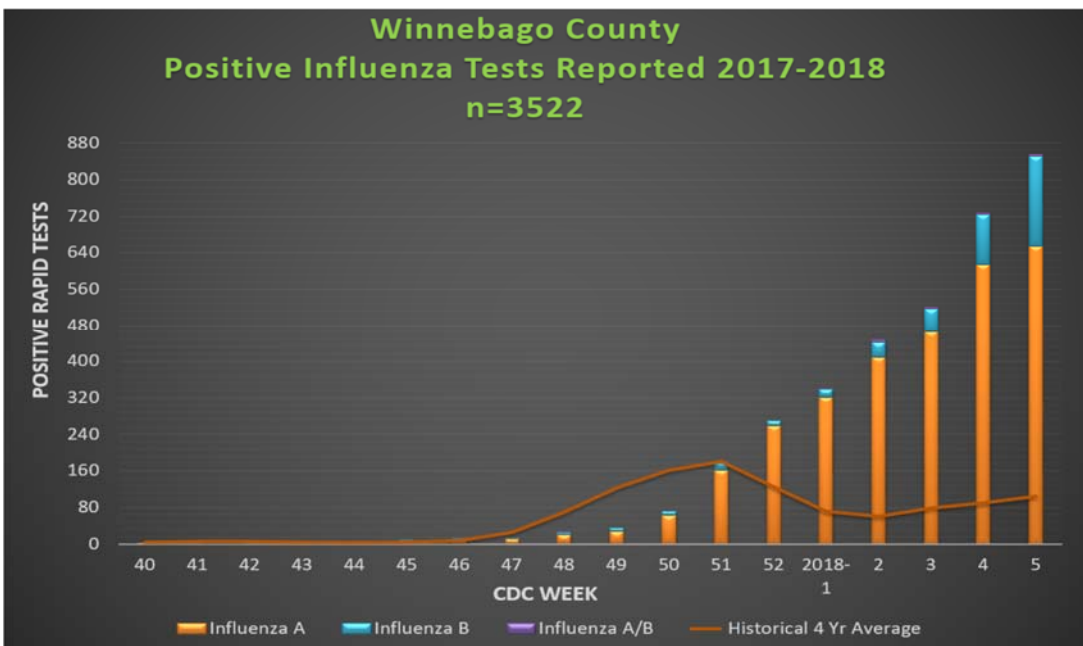
CDC Week 5: Week Ending Saturday, February 3, 2018

Vaccination is the best way to protect against influenza infection.
 All Winnebago County residents aged six months and older should be vaccinated annually.

Weekly Influenza Activity Summary: This week's surveillance activities identified **855** cases of influenza in the County as detailed in this report. Influenza surveillance for Winnebago County involves the weekly collection of data from surveillance partners including hospitals, physicians, clinics, long term care (LTC) facilities and laboratories. WCHD thanks all of the surveillance partners for their help in collecting this information.



| Age Range | Influenza A | Influenza B | Influenza A&B |
|---------------|-------------|-------------|---------------|
| 0-4 | 117 | 23 | 2 |
| 5-17 | 278 | 106 | 1 |
| 18-64 | 199 | 50 | 1 |
| 65+ | 61 | 16 | 1 |
| TOTALS | 655 | 195 | 5 |



← Figure 1: Illustrates the total number of cases reported during the current Influenza Surveillance Period.

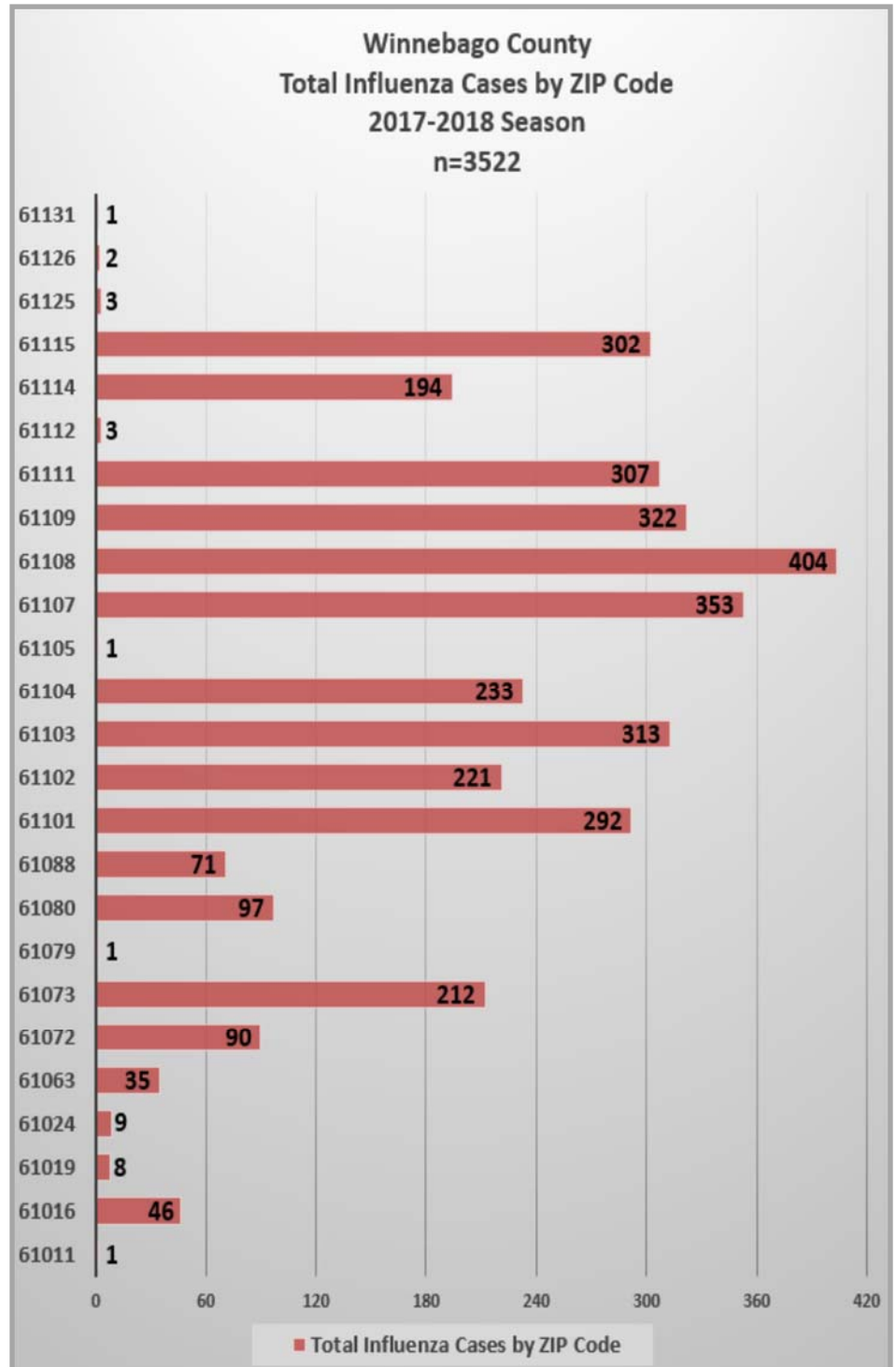
The four year historical average for the County is noted by the orange line on the graph.

Note: Additional cases of influenza were reported during the current week whose results were not previously reported in prior weeks.

Influenza Surveillance Data Geographic Breakdown

Geographic Breakdown of Positive Influenza Tests in the County: The Health Department uses surveillance data to monitor positive influenza tests throughout the County by ZIP Code.

| Total Number of Influenza Cases for the Reporting Week By ZIP Code | | | |
|--|-------------|-------------|---------------|
| Zip Code | Influenza A | Influenza B | Influenza A&B |
| 61016 | 7 | 3 | 0 |
| 61019 | 1 | 0 | 0 |
| 61024 | 2 | 0 | 0 |
| 61063 | 7 | 2 | 0 |
| 61072 | 21 | 7 | 0 |
| 61073 | 35 | 14 | 1 |
| 61080 | 14 | 7 | 0 |
| 61088 | 15 | 9 | 0 |
| 61101 | 64 | 21 | 0 |
| 61102 | 37 | 17 | 0 |
| 61103 | 58 | 17 | 0 |
| 61104 | 53 | 10 | 0 |
| 61107 | 68 | 12 | 1 |
| 61108 | 78 | 25 | 1 |
| 61109 | 68 | 13 | 0 |
| 61111 | 43 | 13 | 0 |
| 61112 | 0 | 0 | 0 |
| 61114 | 29 | 16 | 1 |
| 61115 | 54 | 9 | 1 |
| 61125 | 1 | 0 | 0 |
| Totals for the Week | 655 | 195 | 5 |



➔ Practice and promote the three C's in helping prevent the spread of influenza in our community:

CLEAN - Wash your hands

COVER - Cover your cough and sneeze

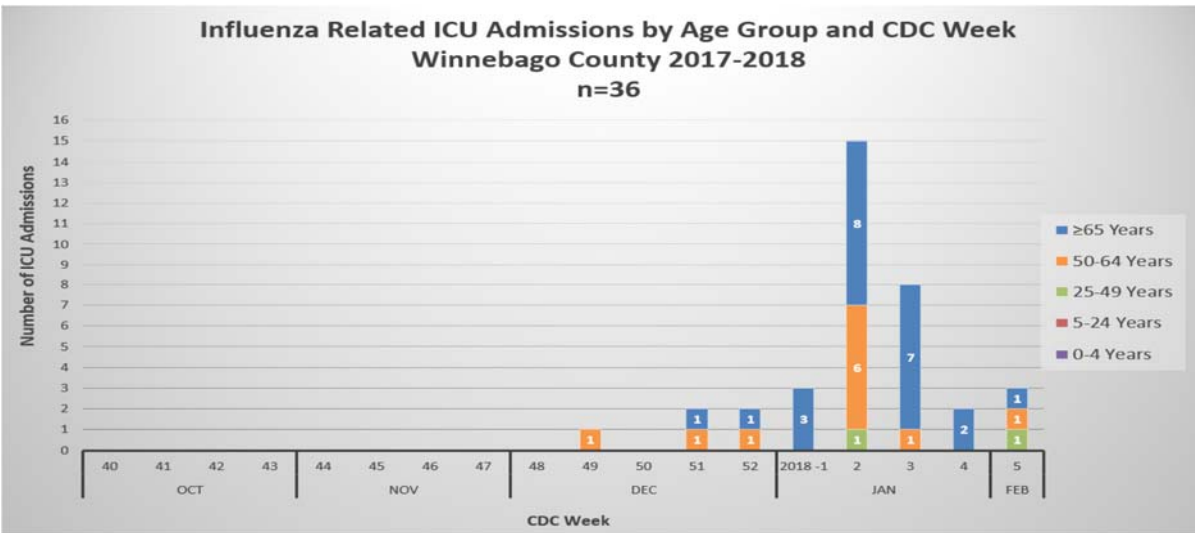
CONTAIN - Contain your germs, stay home if you are sick

Influenza Surveillance Data LTC Outbreaks, ICU Admissions & Flu View

Influenza Outbreak Activity in Long Term Care Facility:

The Health Department uses surveillance data to monitor influenza outbreaks in long term care facilities as part of the community's current activity with influenza. An outbreak is defined as two or more cases of ILI occurring within 72 hours among residents of a facility.

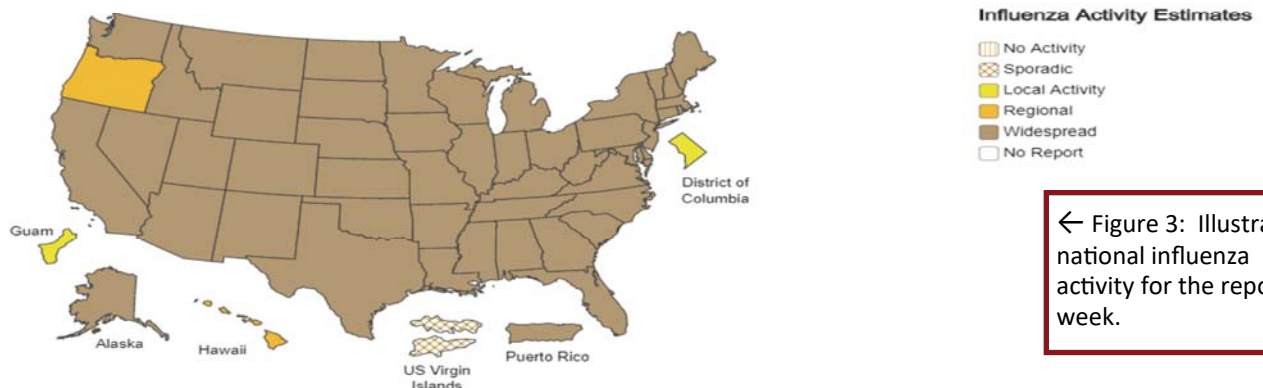
| CDC Week Number | Outbreak Record # | Number of Residents with ILI Symptoms | Influenza Tests Completed | Number of Positive Tests | Vaccination Rate of Residents Tested | Number of Staff with ILI Symptoms |
|-----------------|-------------------|---------------------------------------|---------------------------|--------------------------|--------------------------------------|-----------------------------------|
| 2 | IL2018-0190 | 13 | 13 | 4 | 61.5% | 9 |
| 3 | IL2018-0182 | 15 | 6 | 6 | 40% | 0 |
| 4 | IL2018-0272 | 13 | 8 | 8 | 77% | 0 |



← Figure 2: Illustrates the total number of ICU admissions reported during the current Influenza Surveillance Period.



A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending Feb 03, 2018 - Week 5

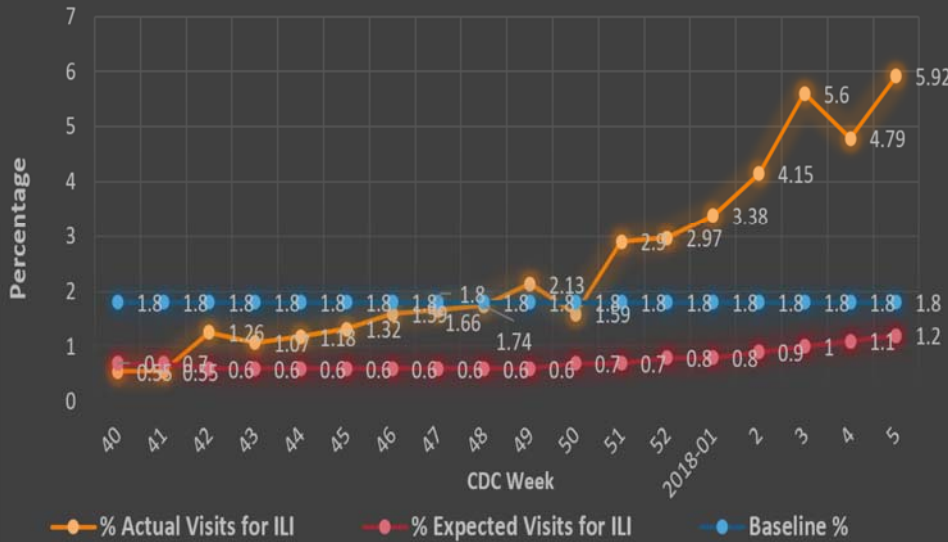


← Figure 3: Illustrates national influenza activity for the reporting week.

*This map indicates geographic spread and does not measure the severity of influenza activity.

Influenza Like Illness¹ (ILI) Reported on a Local and State Level

Percentage of ILI Cases Reported From Sentinel Providers in Winnebago County
2017-2018 Influenza Season



← Figure 4: Illustrates the percentage of emergency department visits with a complaint of ILI reported during the surveillance week compared to the expected percentage and the baseline percentage for ILI.

Table 1 ↓: Illustrates the actual number of emergency department visits with a complaint of ILI reported during each surveillance week compared to the expected number of

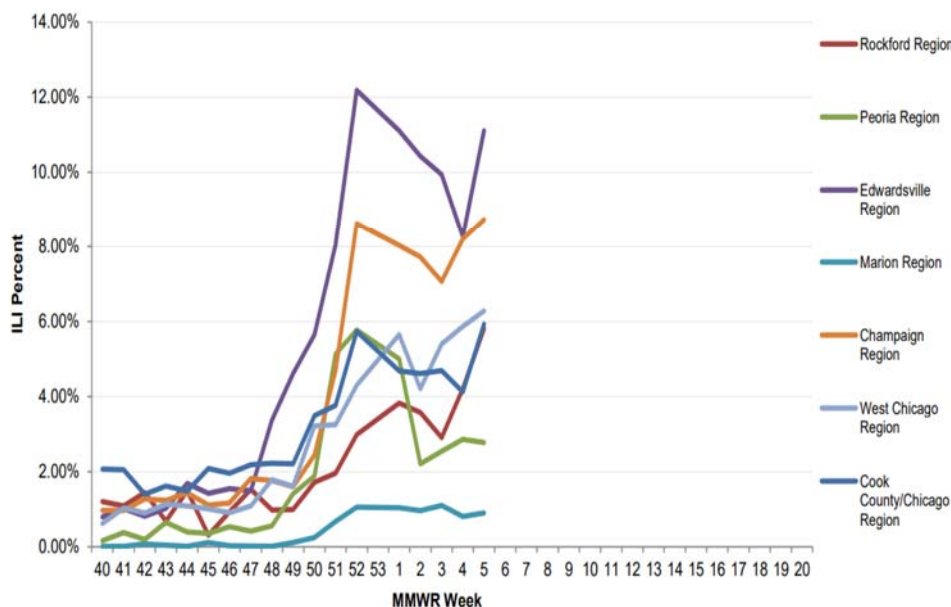
Actual Number of ILI Cases Reported in Winnebago County
2017-2018 Influenza Season

| CDC Week | Actual Number | Expected Number |
|---------------------|---------------|-----------------|
| 47 | 50 | 17.5 |
| 48 | 58 | 18.1 |
| 49 | 68 | 18.9 |
| 50 | 51 | 20 |
| 51 | 93 | 21.2 |
| 52 | 88 | 22.8 |
| 2018 - 1 | 98 | 24.1 |
| 2 | 123 | 27 |
| 3 | 159 | 29.9 |
| 4 | 142 | 32.9 |
| 5 | 168 | 36.8 |
| SEASON TOTAL | 1330 | 390.5 |

← Figure 5: Illustrates the percentage of emergency department visits with a complaint of ILI reported during the surveillance week across the State of Illinois.

Sentinel Provider Reports

Percent of ILI Reported From Sentinel Providers by Region, Illinois, 2017-2018



1. ILI "Influenza like Illness" is defined as fever $\geq 100^{\circ}\text{F}$ and cough and/or sore throat.

Note: All data are preliminary and may change as more reports are received.

For more information, contact WCHD at 815-720-4050, or visit our website at: www.wchd.org. Like us: [facebook.com/Winnebago County Health Department](https://www.facebook.com/WinnebagoCountyHealthDepartment). Follow us: twitter.com/Winncohealth. Or contact us at: Winnebago County Health Department, 401 Division Street, PO Box 4009, Rockford, Illinois 61110.