



Lake County Health Department and Community Health Center

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Week 09
(28 Feb -
5 Mar 16)*

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary:

Lake County: Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) have leveled off with a 7% decrease in visits when compared to the previous week. School surveillance shows both general absenteeism and ILI activity increasing over the previous weeks activity. **Cook County:** Influenza activity remains high with 22 ICU admissions occurring during their last reporting week. So far this flu season, there have been ten clusters of ILI occurring in schools/daycares and two outbreaks reported in long term care facilities. **Wisconsin:** Most of the States flu activity is “moderate” except for the southern region that borders northwest Illinois which is low. **Illinois:** ILI activity is now “Regional” in Illinois, with a 41% increase in ILI visits being reported over the previous week. The majority of ILI is occurring in those aged 24 years and younger with admissions to the ICU occurring in those 50 and older. **Nationwide:** Flu activity remains elevated in the United States. There are now 33 states reporting widespread flu activity with ILI activity at 3.2%, well above the national baseline of 2.1%. ILI has been at or above the national baseline for 7 consecutive weeks so far this season. For the last 13 seasons, the average duration of a flu season by this measure has been 13 weeks, with a range from 1 week to 20 weeks. CDC recommends an annual flu vaccine for everyone 6 months of age and older. Flu activity peaks in February and can last into May.

The 2015-16 U.S. Trivalent influenza vaccine contains an A/California/2009 (H1N1) -like virus, an A/Switzerland/2013(H3N2) -like virus and a B/Phuket/2013 -like virus. The Quadrivalent influenza vaccines will also include a B/Brisbane/2008-like virus for this years flu season.

**Our report contains different flu weeks presented due to the different reporting dates of sources.*

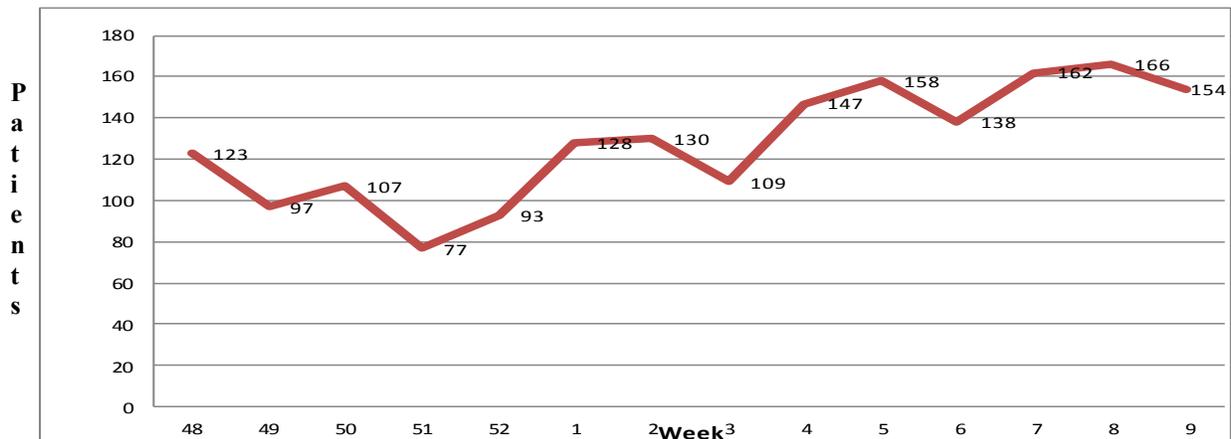
LAKE COUNTY:

Week 09 (28 Feb - 5 Mar 16)



LCHD/CHC (Federally Qualified Health Center):

of Patients with Upper Respiratory Illness (URI) by Week



LAKE COUNTY: (Cont)

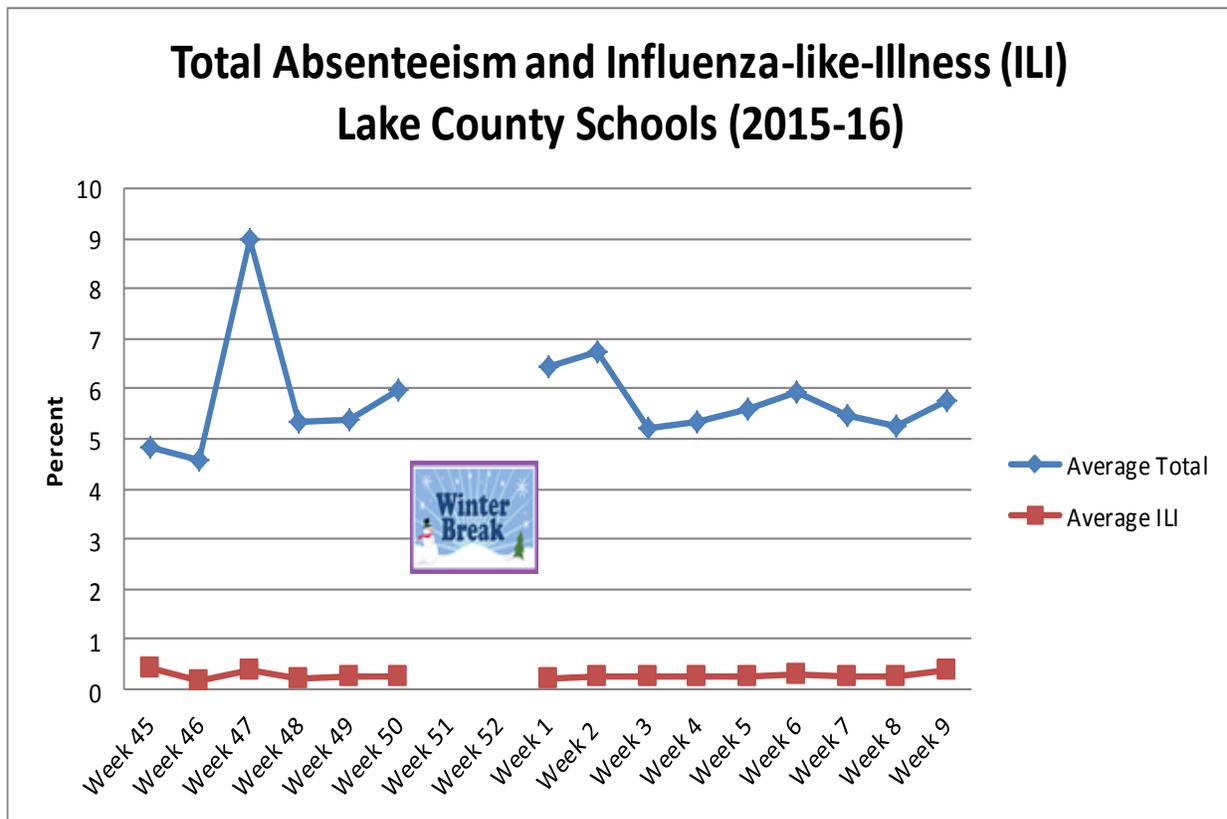


Week 09 (28 Feb - 5 Mar 16)

School Influenza-like Illness (ILI) Surveillance

Reporting School Districts: *Barrington (220), Community (128), Libertyville (70), Round Lake (116), Wauconda (118), Waukegan (60) and Zion (6)*

| | <u>Current Week</u> | <u>Previous Week</u> |
|---|---------------------|----------------------|
| Schools tracking and reporting absenteeism data: | 50 | 50 |
| Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$): | 1 | 1 |
| Schools/Pre-schools reporting general absenteeism ($\geq 10\%$): | 24 | 13 |



"Reportable" to the Lake County Health Department:

Week 09 (28 Feb - 5 Mar 16)

| | <u>Week 09</u> | <u>Prior Week</u> | <u>*Cumulative</u> |
|---|----------------|-------------------|--------------------|
| Flu - Intensive care unit (ICU) admissions: | 1 | 4 | 11 |
| Flu - Pediatric Deaths (0-18): | 0 | 0 | 0 |
| Flu - Outbreaks reported **(Congregate settings): | 0 | 0 | 2 |

***Cumulative since week 44. Single positive flu tests are not reportable in Illinois.**

****Correctional, Long Term Care Facilities (LTCF) & Hospitals.**

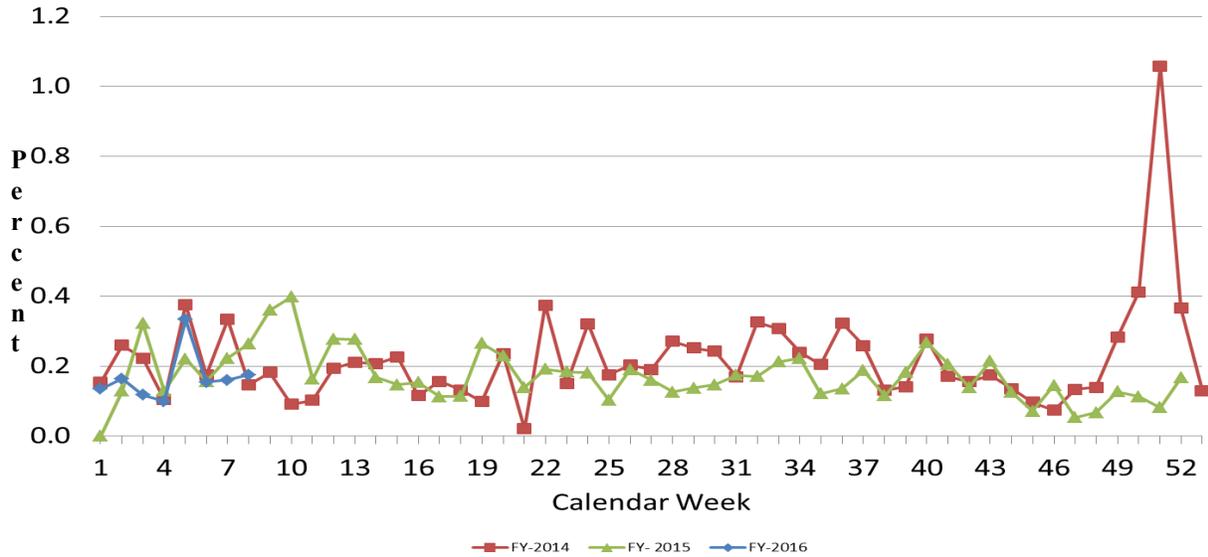
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 08 (21 - 27 Feb 16)



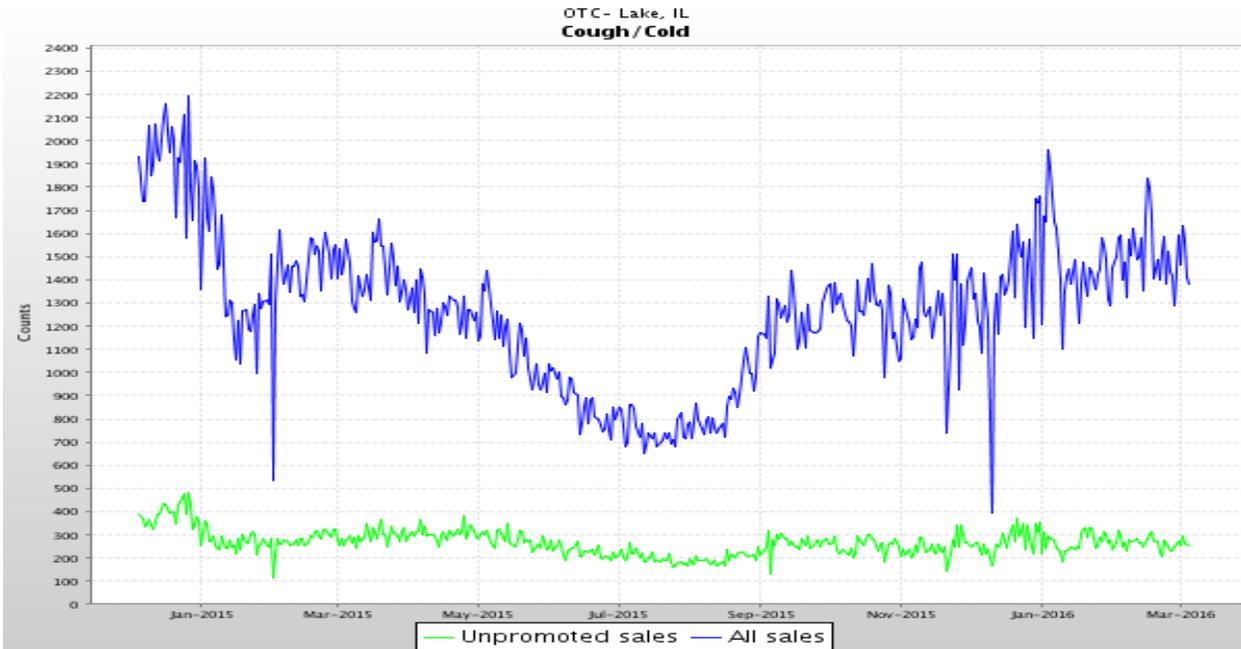
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(6 Dec 14 - 5 Mar 16)*



- Cough and Cold medicine purchases.
- 54 of 62 (87.1%) of Lake County Pharmacies reporting.

REGIONAL:

Suburban Cook County:

Week 08 (21 - 27 Feb 16)



Flu activity is currently **“High”**

Intensive care unit flu-associated admissions for week **08**: **22**

Total since week **35** (August 30th, 2015): **102**

Wisconsin (SE Region):

Week 08 (21 - 27 Feb 16)



Flu/ILI Activity:

| <u>Current Week</u> | <u>Previous Week</u> |
|---------------------|----------------------|
| Moderate | Moderate |

ILI activity in Region V: (WI, MN, IL, MI, OH, IN) is **Above** baseline levels.
Current circulating viruses: Influenza A, RSV and Metapneumovirus are the predominate viruses this week.

ILLINOIS:

Week 08 (21 - 27 Feb 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **2.91%**, which is **above** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Regional”** for this reporting week.
- For this reporting week, **15.6%** (181/1,159) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **5.4%** (781/14,386) of specimens tested were positive for Influenza.
- 48 Influenza –associated Intensive Care Unit (ICU) admissions were reported for this week.
- Influenza-associated pediatric deaths this flu season: **1**
- For this reporting week, **4** influenza outbreaks were reported throughout the state.
Season total: **19**

| | |
|---------------------|---|
| No Activity: | No laboratory confirmed cases of influenza. |
| Sporadic: | Isolated lab-confirmed cases OR Lab confirmed outbreak in one institution. |
| Local: | Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI OR Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions. |
| Regional: | Increased ILI in >2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions. OR Institutional outbreaks (ILI or lab confirmed) in >2 and less than half of the regions AND recent lab confirmed influenza in the affected regions. A region is defined as the regions States use for public health purposes. |
| Widespread: | Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state. |

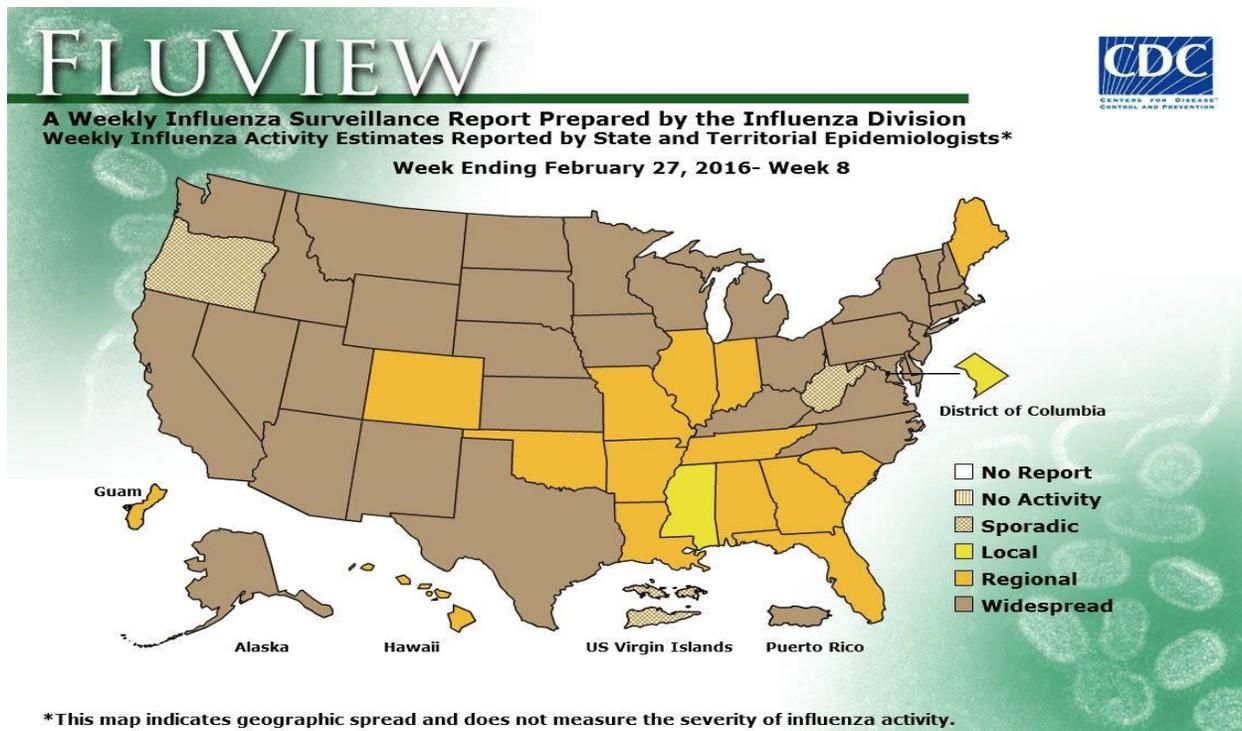
NATIONWIDE:

Week 08 (21 - 27 Feb 16)



During Week 08: Influenza activity remained elevated in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 8 was influenza A, with influenza A (H1N1) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical laboratories increased.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** Four flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 3.2%, which is above the national baseline of 2.1%. Nine of 10 regions reported ILI at or above region-specific baseline levels. Puerto Rico and eight states experienced high ILI activity; New York City and nine states experienced moderate ILI activity; 13 states experienced low ILI activity; 20 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Puerto Rico and 33 states was reported as widespread; Guam and 14 states reported regional activity; the District of Columbia and one state reported local activity; and the U.S. Virgin Islands and two states reported sporadic activity.



U.S. Virologic Surveillance: (WHO and NREVSS collaborating labs)

Week 08 (21 - 27 Feb 16)

| | | |
|--|----------------------|----------------|
| Total flu isolates tested: | <u>21,615</u> | |
| Number of positive isolates (%) | 3,803 | (17.6%) |
| <u>Influenza A:</u> | 2,978 | (78.3%) |
| <u>Influenza B:</u> | 825 | (21.7%) |