



# Lake County Health Department and Community Health Center

Week 11  
(13-19 Mar 16)\*

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## 2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

### Weekly Summary:

**Lake County:** Admissions to the intensive care unit (ICU) for influenza have doubled over the last few weeks in Lake County hospitals. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for URI/influenza-like illness (ILI) continue to decline for the 3rd week in a row. School surveillance shows general absenteeism sharply increasing during the week prior to spring break while ILI activity remains flat. **Cook County:** Influenza activity and ICU admissions remain high but are starting to decline. So far this flu season, there have been twelve clusters of ILI occurring in schools/daycares, and two outbreaks reported in long term care facilities. **Wisconsin:** Flu activity remains moderate through most of the State with the highest activity occurring in the North and Western regions. **Illinois:** There have been no new flu updates reported since Week 9. **Nationwide:** Flu activity increased in the United States. The number of states reporting widespread flu activity increased from 37 to 40 and an additional eight influenza-associated pediatric deaths were reported this week. The proportion of people seeing their health care provider for influenza-like illness (ILI) increased from 3.5% to 3.7%, which is above the national baseline (2.1%). In late February, CDC reported flu vaccine effectiveness of 60% this season. Ongoing flu activity is expected for several weeks.

*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.*

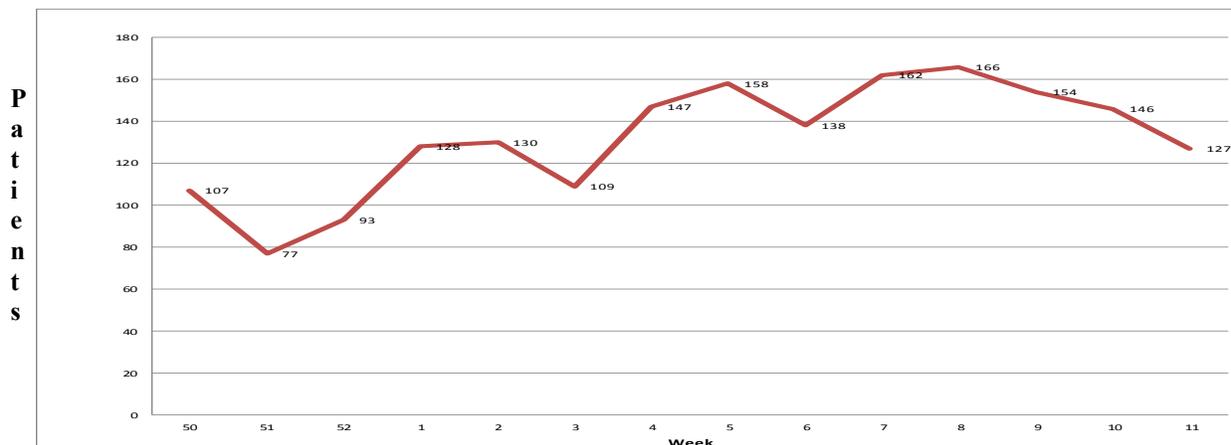
*\*Our report contains different flu weeks presented due to the different reporting dates of sources.*

### LAKE COUNTY:

Week 11 (13 - 19 Mar 16)



### LCHD/CHC (Federally Qualified Health Center): # of Patients with Upper Respiratory Illness (URI) by Week



**LAKE COUNTY: (Cont)**

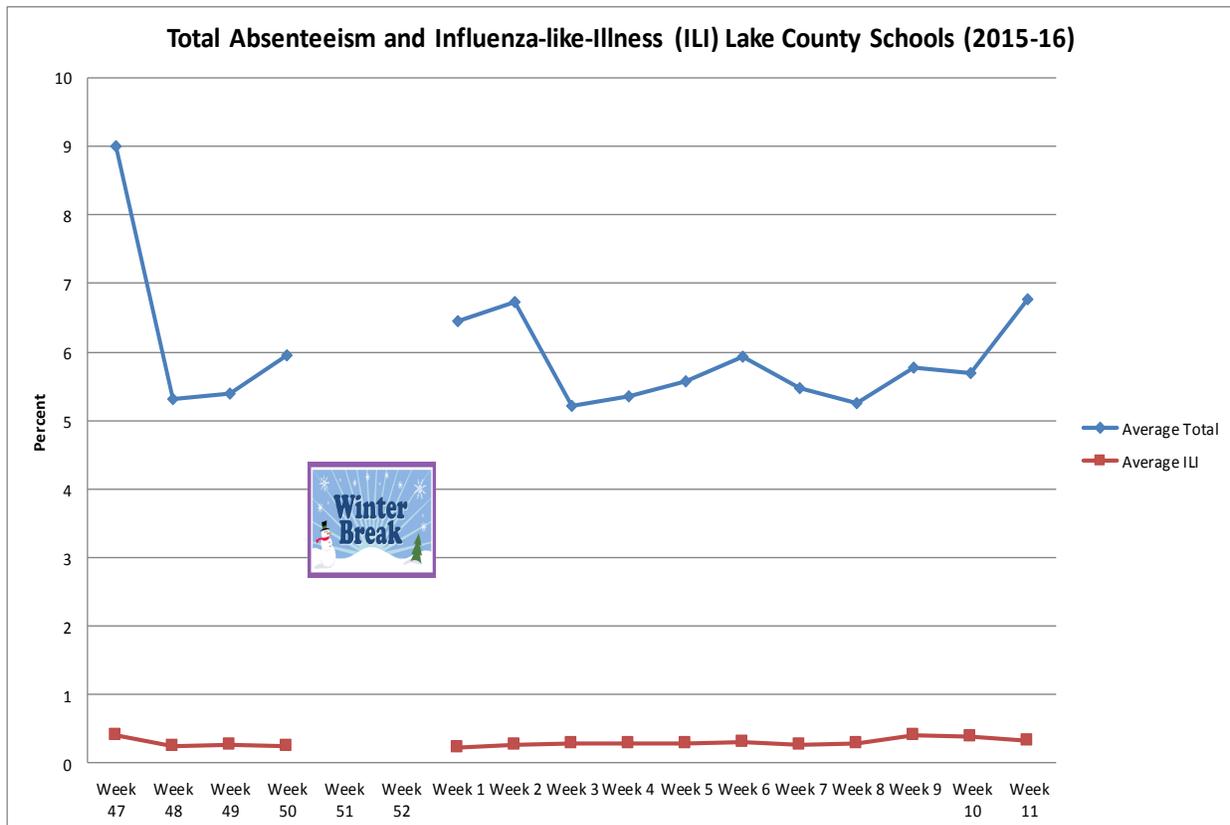


*Week 11 (13 - 19 Mar 16)*

**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:                            | 51                  | 49                   |
| Schools reporting "Influenza-like illness (ILI) absenteeism ( $\geq 5\%$ ): | 1                   | 1                    |
| Schools/Pre-schools reporting general absenteeism ( $\geq 10\%$ ):          | 19                  | 17                   |



**"Reportable" to the Lake County Health Department:**

*Week 11 (13 - 19 Mar 16)*

|   | <u>Week 11</u> | <u>Prior Week</u> | <u>*Cumulative</u> |
|---|----------------|-------------------|--------------------|
| Flu - Intensive care unit (ICU) admissions:               | 7              | 5                 | <b>23</b>          |
| Flu - Pediatric Deaths (0-18):                            | 0              | 0                 | <b>0</b>           |
| Flu - Outbreaks reported <b>**</b> (Congregate settings): | 0              | 1                 | <b>3</b>           |

**\*Cumulative since week 44 (1-7 Nov 15). Single positive flu tests are not reportable.**

**\*\*Correctional facilities, Long Term Care facilities & Hospitals.**

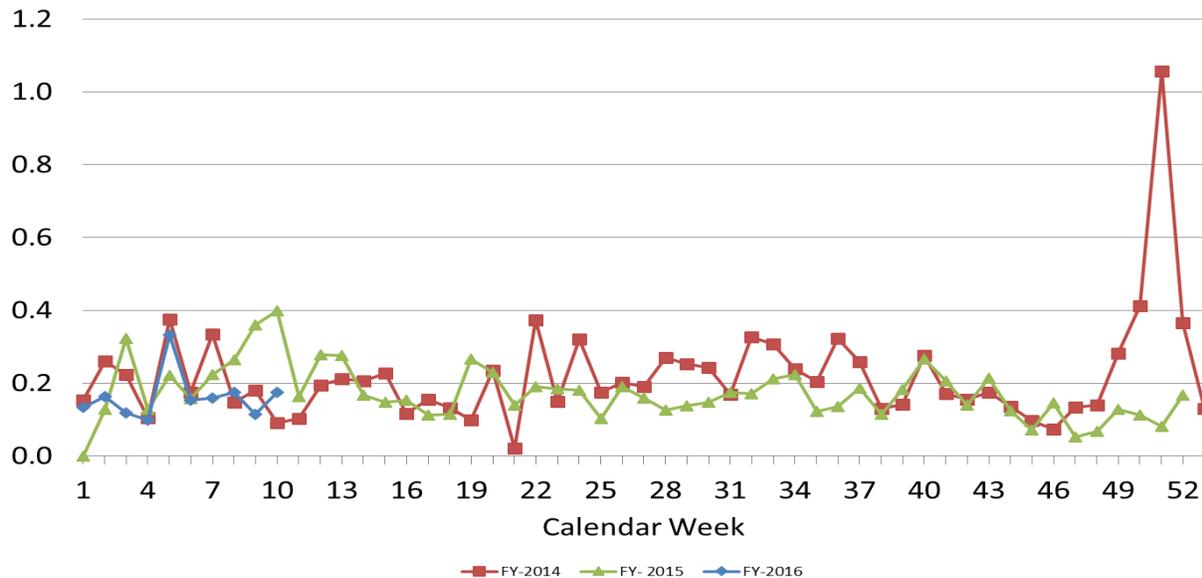
# LAKE COUNTY: (Cont)

General Sentinel Site:

*Week 10 (6 - 12 Mar 16)*

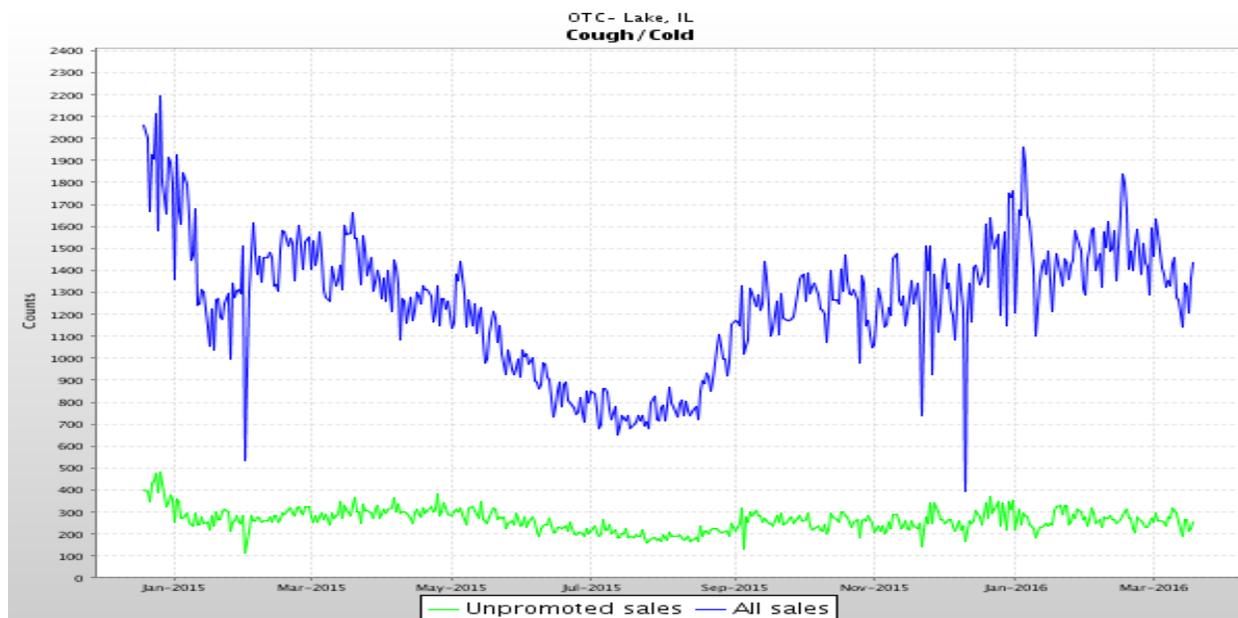


## Febrile Respiratory Illness rate (Per 100 Doctor visits)



Sentinel Pharmacies:  
*Real Time Outbreak and Disease Surveillance (RODS)*

*Past 15 Months  
(20 Dec 14 - 19 Mar 16)*



- Cough & Cold medicine purchases
- 55 of 62 (88.7%) of Lake County Pharmacies reporting

## REGIONAL:

### Suburban Cook County:

*Week 10 (6 - 12 Mar 16)*



Flu activity is currently **“High”**

Intensive care unit flu-associated admissions for week **10**: **14**

Total since week **35** (August 30th, 2015): **151**

### Wisconsin (SE Region):

*Week 10 (6 - 12 Mar 16)*



|                   | <u>Current Week</u> | <u>Previous Week</u> |
|-------------------|---------------------|----------------------|
| Flu/ILI Activity: | <b>Moderate</b>     | 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 09 (28 Feb - 5 Mar 16)*



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **3.49%**, 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, **12.7%** (184/1,444) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **6.4%** (1,022/16,019) of specimens tested were positive for Influenza.
- 60 Influenza –associated Intensive Care Unit (ICU) admissions were reported for this week.
- Influenza-associated pediatric deaths this flu season: **2**
- For this reporting week, **0** influenza outbreaks were reported throughout the state.  
Season total: **20**

|                     |   |
|---------------------|---|
| <b>No Activity:</b> | No laboratory confirmed cases of influenza.   |
| <b>Sporadic:</b>    | Isolated lab-confirmed cases OR Lab confirmed outbreak in one institution.  |
| <b>Local:</b>       | 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.  |
| <b>Regional:</b>    | 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. |
| <b>Widespread:</b>  | 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.  |

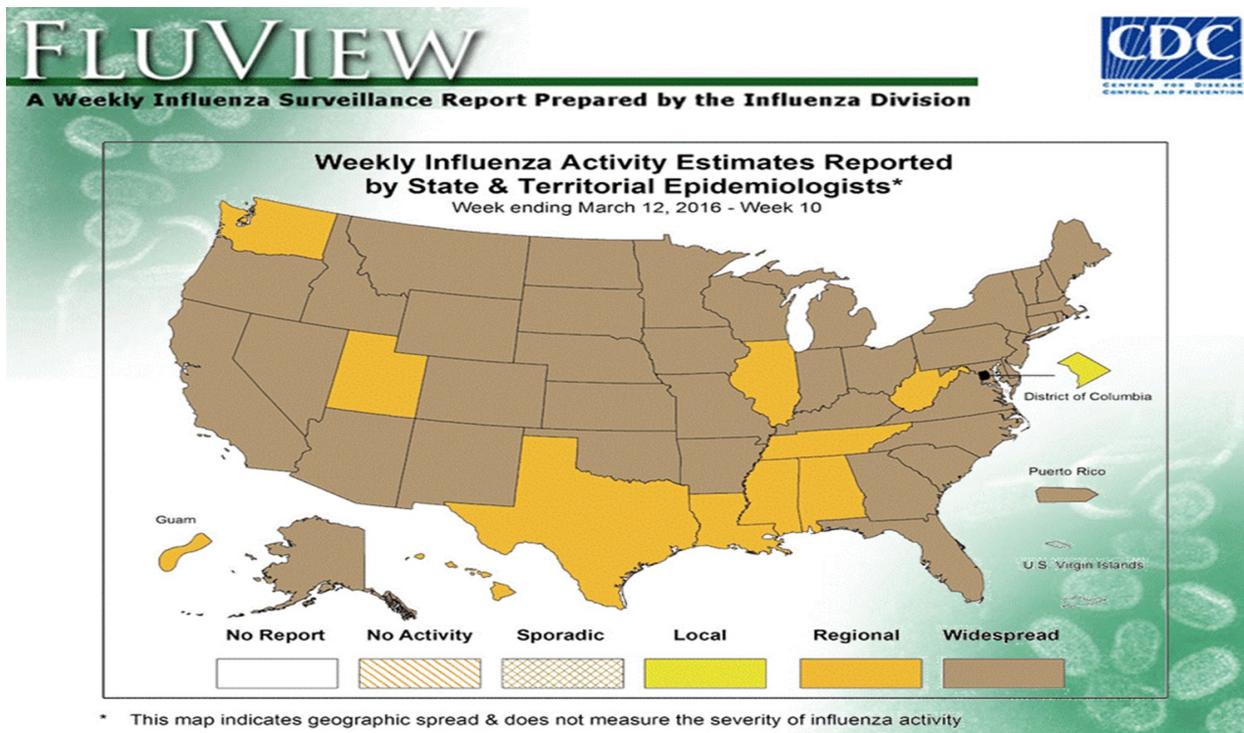
**NATIONWIDE:**

*Week 10 (6 - 12 Mar 16)*



**During Week 10:** Influenza activity increased in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 10 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:** Eight flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 3.7%, which is above the national baseline of 2.1%. All 10 regions reported ILI at or above region-specific baseline levels. New York City, Puerto Rico, and 14 states experienced high ILI activity; 13 states experienced moderate ILI activity; 11 states experienced low ILI activity; 12 states experienced minimal ILI activity; and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Puerto Rico and 40 states was reported as widespread; Guam and 10 states reported regional activity; the District of Columbia reported local activity; and the U.S. Virgin Islands did not report.



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

*Week 10 (6 - 12 Mar 16)*

|  |                      |                |
|--|----------------------|----------------|
| <b>Total flu isolates tested:</b>      | <b><u>25,855</u></b> |                |
| <b>Number of positive isolates (%)</b> | <b>5,968</b>         | <b>(23.1%)</b> |
| <b><u>Influenza A:</u></b>             | <b>4,557</b>         | <b>(76.4%)</b> |
| <b><u>Influenza B:</u></b>             | <b>1,411</b>         | <b>(23.6%)</b> |