



Lake County Health Department and Community Health Center

Week 07
(14-20 Feb 16)*

Tony Beltran, MBA
Executive Director

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), increased by 17% when compared to the previous week. This is the highest number of visits for ILI so far this flu season. School surveillance, however, showed a decline in general absenteeism and ILI activity. **Cook County:** Influenza activity is increasing and remains high. So far this season, Cook has reported two clusters of ILI occurring in schools, and two outbreaks reported in a LTC facility. **Wisconsin:** Continues to report overall “low” flu activity throughout most of the state except for in the northwest, where ILI activity remains high. **Illinois:** ILI activity was elevated to “Regional” for the first time this flu season with activity rising by 35% over the previous week. The majority of ILI is occurring in those aged 24 years and younger. **Nationwide:** Flu activity continues to increase in the United States. There are localized pockets of high activity in parts of the country and the percentage of respiratory specimens testing positive for flu in clinical laboratories continues to increase. Flu A (H1N1) viruses are most common at this time. ILI activity rose from 2.4% to 3.1%, well above the national baseline of 2.1%. 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.

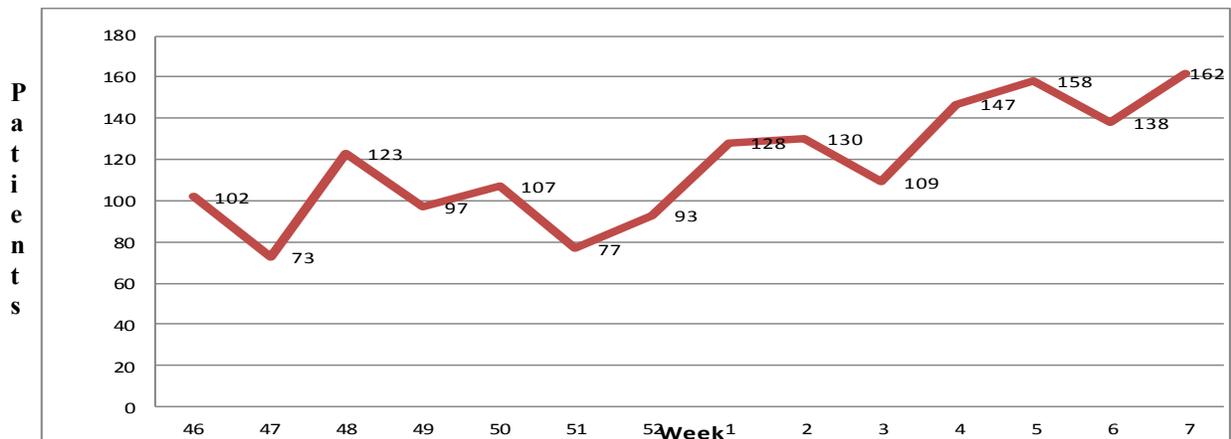
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 07 (14 - 20 Feb 16)



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



LAKE COUNTY: (Cont)

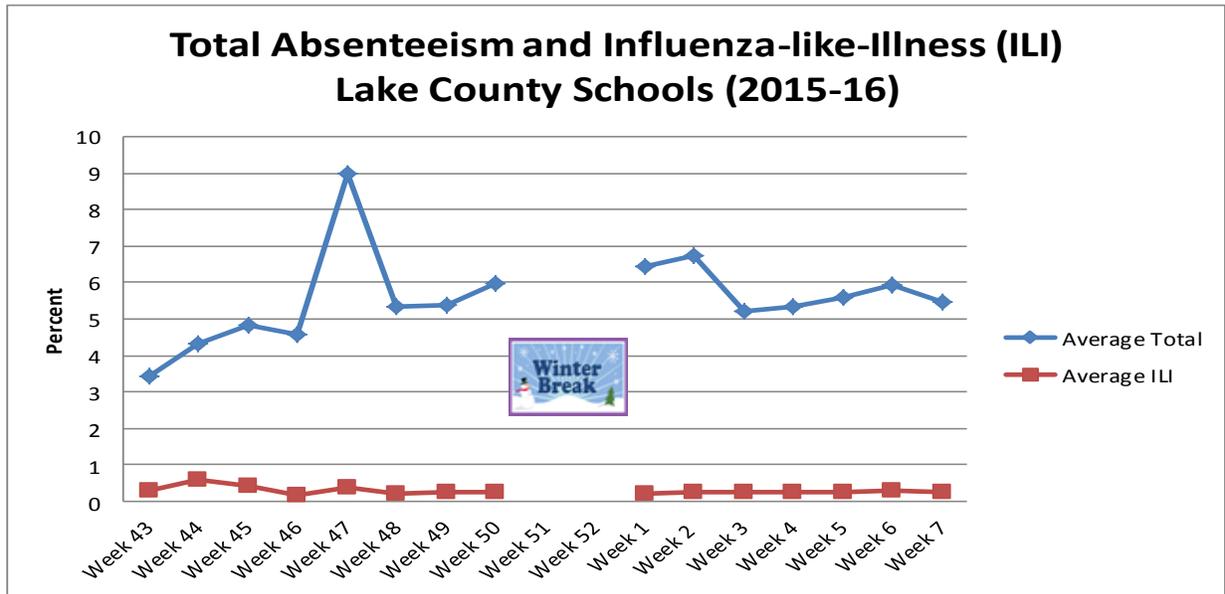


Week 07 (14 - 20 Feb 16)

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	52
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	0	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	15	14



Lake County - "Voluntary" reported positive flu test to LCHD:

Week 07 (14 - 20 Feb 16)

	<u>Week 07</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	1	5	30

*Cumulative since week 44.

"Reportable" to the Lake County Health Department:

Week 07 (14 - 20 Feb 16)

	<u>Week 07</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	1	2	6
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported *(Congregate settings):	1	1	2

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

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

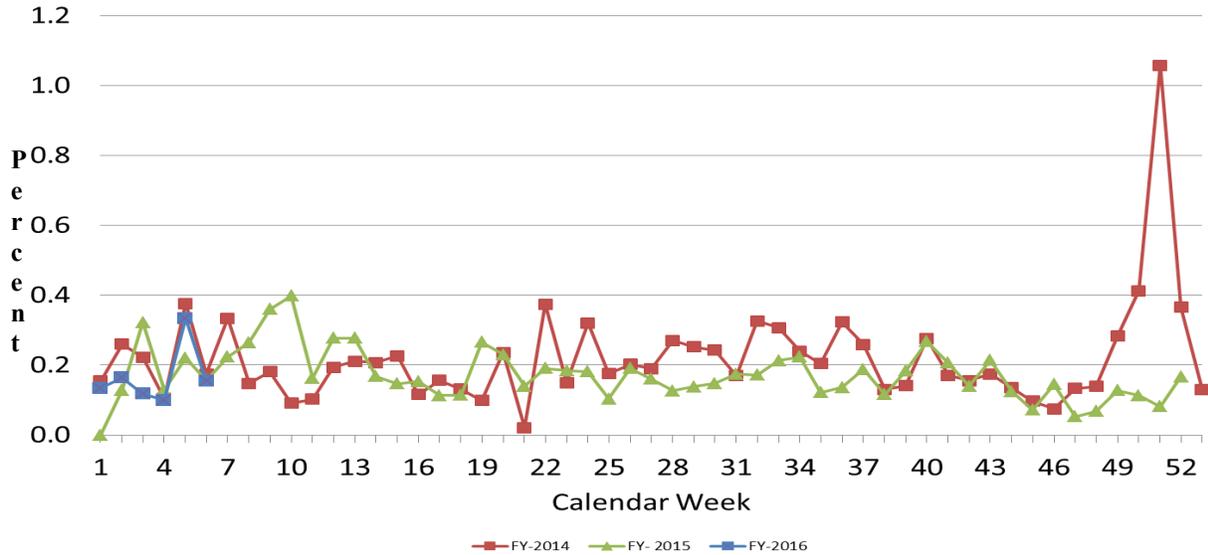
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 06 (7 - 13 Feb 16)



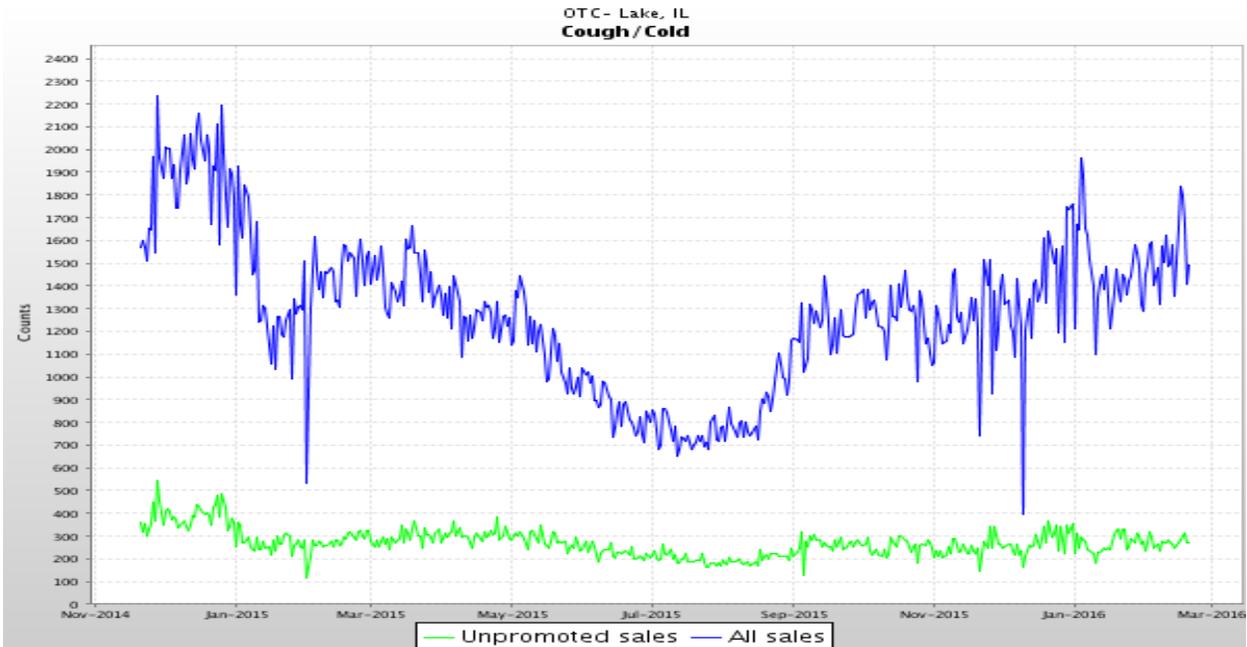
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(21 Nov 14 - 20 Feb 16)*



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

REGIONAL:

Suburban Cook County:

Week 06 (7 - 13 Feb 16)



Flu activity is currently **“High”**

Intensive care unit flu-associated admissions for week **06**: **10**

Total since week **35** (August 30th, 2015): **56**

Wisconsin (SE Region):

Week 06 (7 - 13 Feb 16)



	<u>Current Week</u>	<u>Previous Week</u>
Flu/ILI Activity:	Low	Low

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

ILLINOIS:

Week 06 (7 - 13 Feb 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **2.56%**, 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, **10.8%** (79/732) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **3.5%** (415/11,825) of specimens tested were positive for Influenza.
- There were **31** influenza –associated Intensive Care Unit (ICU) admissions that occurred during this reporting week. Season total: **178**
- Influenza-associated pediatric deaths this flu season: **1**
- For this reporting week, **2** influenza outbreaks were reported throughout the state. Season total: **13**

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.

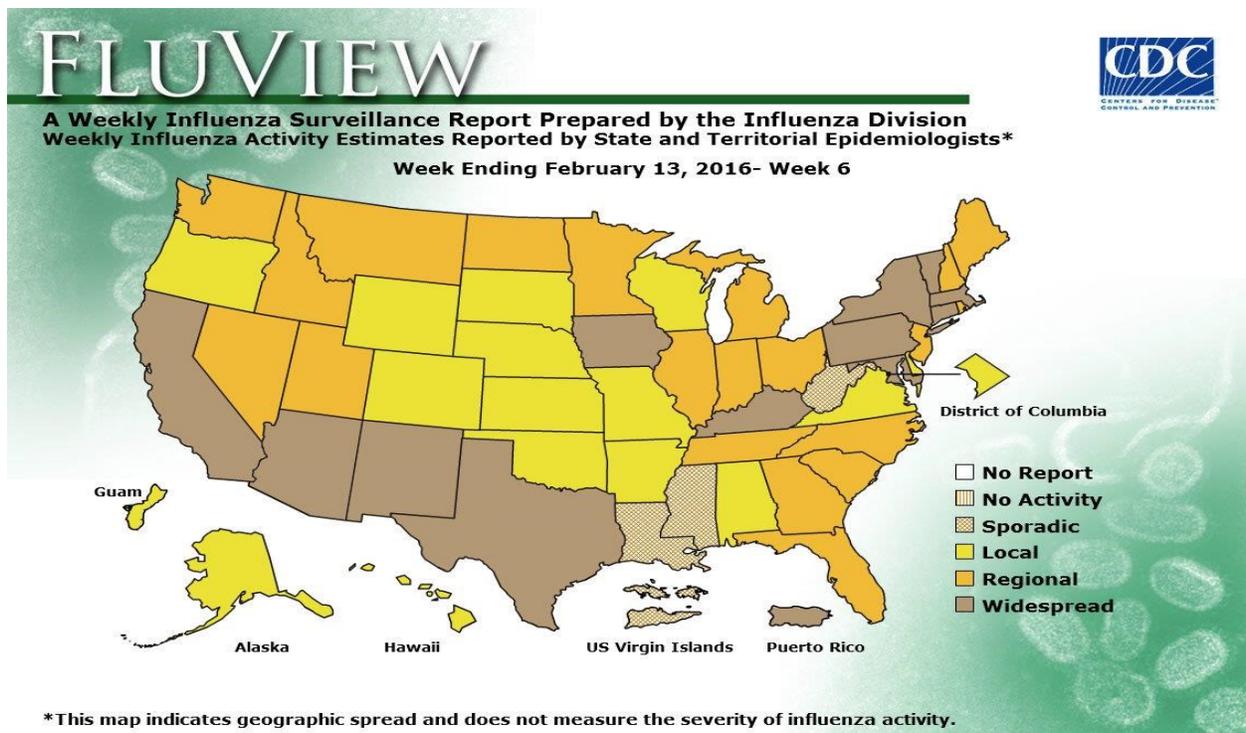
NATIONWIDE:

Week 06 (7 - 13 Feb 16)



During Week 06: Influenza activity increased in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 6 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:** Two flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 3.1%, 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 two states experienced high ILI activity; New York City and 11 states experienced moderate ILI activity; 6 states experienced low ILI activity; 30 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Puerto Rico and 12 states was reported as widespread; 20 states reported regional activity; the District of Columbia, Guam, and 15 states reported local activity; and the U.S. Virgin Islands and three states reported sporadic activity.



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

Week 06 (7 - 13 Feb 16)

Total flu isolates tested:	<u>17,797</u>	
Number of positive isolates (%)	<u>2,135</u>	(12.0%)
<u>Influenza A:</u>	<u>1,559</u>	(73.0%)
<u>Influenza B:</u>	<u>576</u>	(27.0%)