



Lake County Health Department and Community Health Center

Week 06
(7- 13 Feb 16)*

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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), decreased by 13% when compared to the previous week. Despite this decline, overall ILI has increased in Lake County with two reported outbreaks of flu in long term care (LTC) facilities, and several reports of ILI clusters occurring in schools. **Cook County:** Influenza activity has been elevated to “high”. So far this season, Cook has reported two clusters of ILI occurring in schools, and one outbreak reported in a LTC facility. **Wisconsin:** Continues to report overall “low” flu activity throughout most of the state except for in the northeast, where ILI activity remains high. **Illinois:** ILI activity remains “Local”, with more outbreaks being reported in LTC facilities throughout the state. The majority of ILI is occurring in those aged 24 years and younger. **Nationwide:** Flu activity increased slightly 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 2.2% to 2.4%, which is 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.

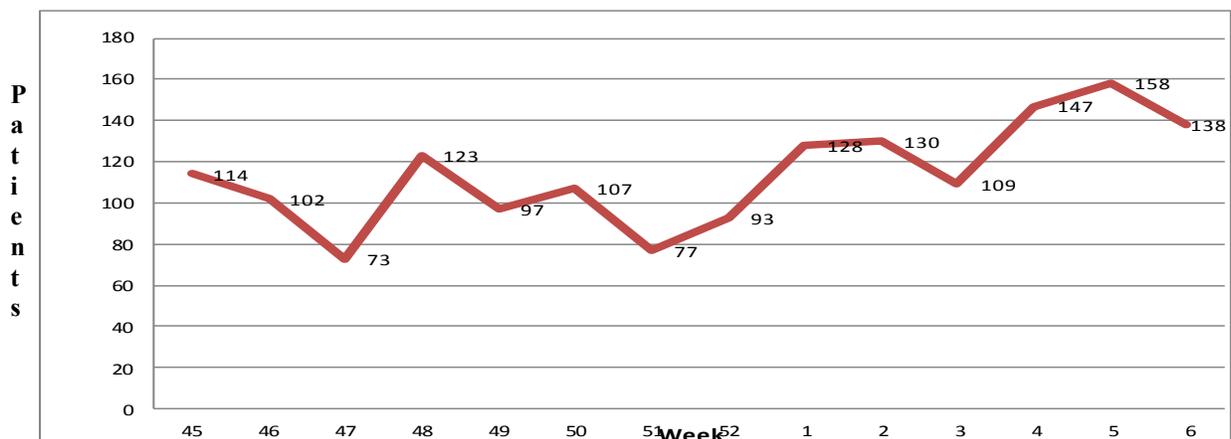
The 2015-16 U.S. Trivalent influenza vaccine contains an A/California/2009 (H1N1) -like virus, an A/Switzerland/2013(H3N2) -like virus and a B/Phuket/2013 -like virus. The Quadrivalent influenza vaccines will also include a B/Brisbane/2008-like virus for this years flu season.

LAKE COUNTY:

Week 06 (7 - 13 Feb 16)



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



LAKE COUNTY: (Cont)

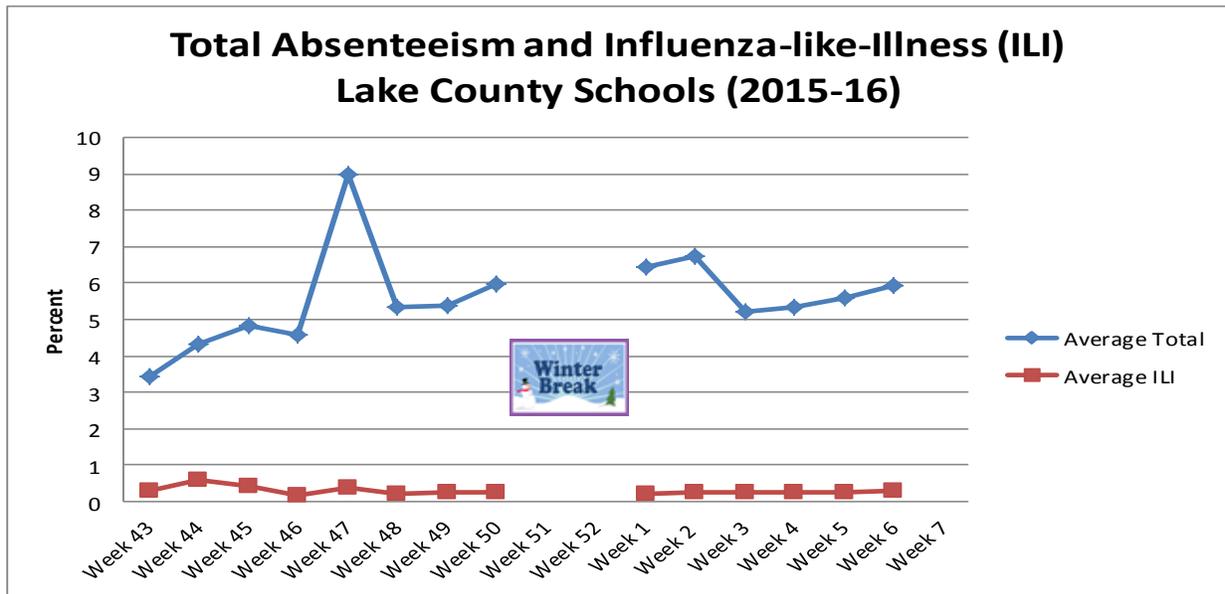


Week 06 (7 - 13 Feb 16)

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:	52	51
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	14	17



Lake County - "Voluntary" reported positive flu test:

Week 06 (7 - 13 Feb 16)

	<u>Week 06</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	5	2	29

*Cumulative since week 44.

"Reportable" to the Lake County Health Department:

Week 06 (7 - 13 Feb 16)

	<u>Week 06</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	2	2	5
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported *(Congregate settings):	1	0	1

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

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

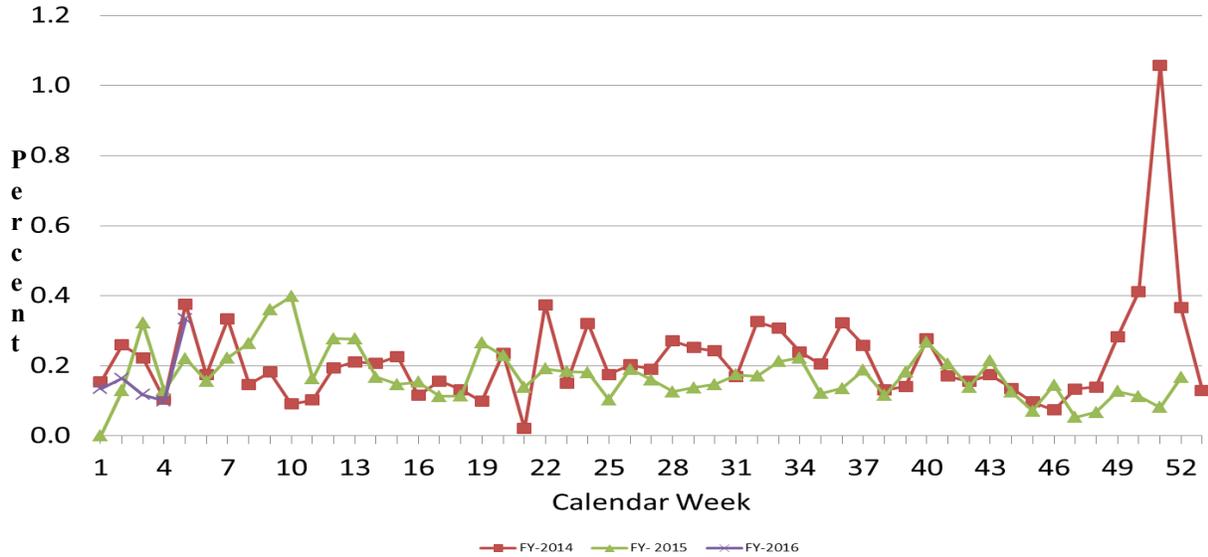
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 05 (31 Jan - 6 Feb 16)



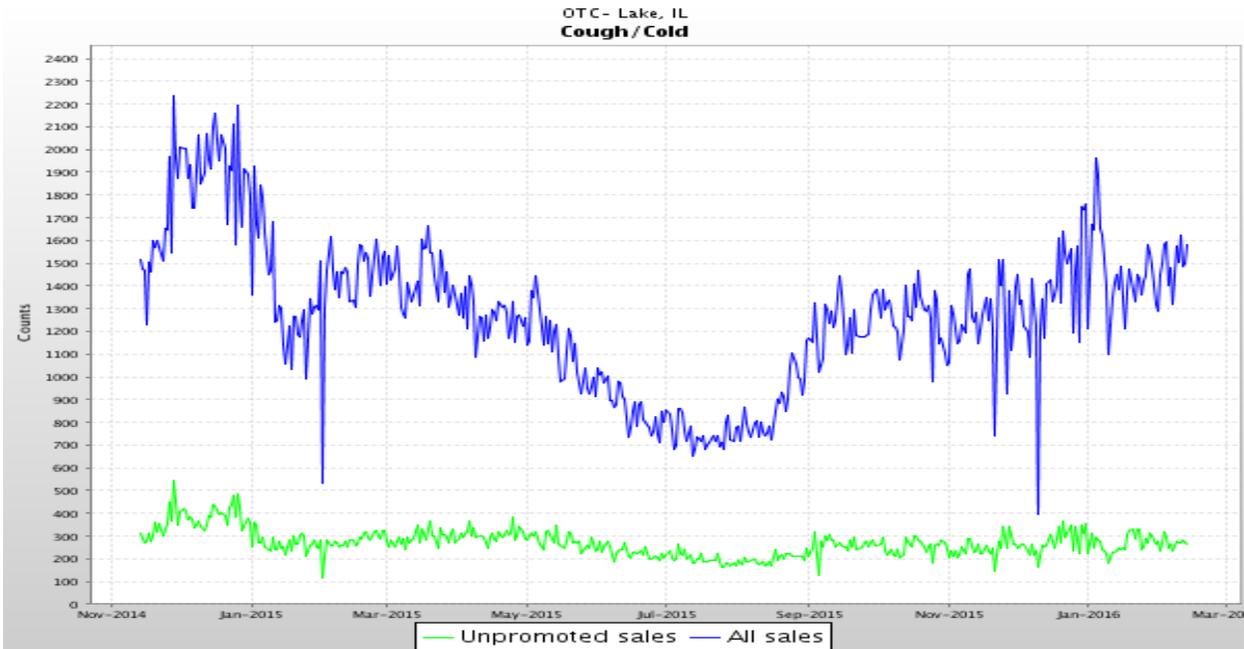
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(14 Nov 14 - 13 Feb 16)*



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

REGIONAL:

Suburban Cook County:

Week 05 (31 Jan - 6 Feb 16)



Flu activity is currently **“High”**

Intensive care unit flu-associated admissions for week **05**: **7**

Total since week **35** (August 30th, 2015): **42**

Wisconsin (SE Region):

Week 05 (31 Jan - 6 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 **Below** baseline levels.
Current circulating viruses: Influenza A, and RSV are the predominate viruses this week.

ILLINOIS:

Week 05 (31 Jan - 6 Feb 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.89%**, which is **below** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Local”** for this reporting week.
- For this reporting week, **6.4%** (43/675) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **2.7%** (298/10,839) of specimens tested were positive for Influenza.
- There were **20** influenza –associated Intensive Care Unit (ICU) admissions that occurred during this reporting week. Season total: **137**
- Influenza-associated pediatric deaths this flu season: **1**
- For this reporting week, **4** influenza outbreaks were reported throughout the state. Season total: **10**

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.

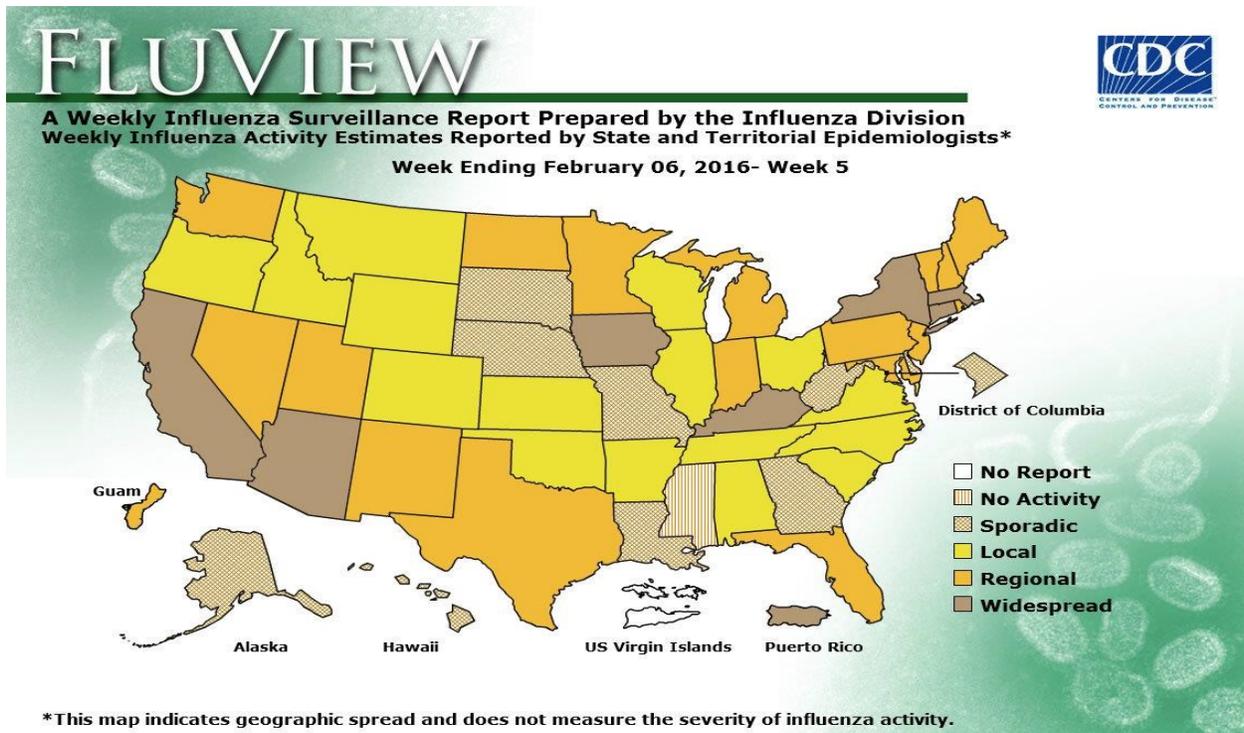
NATIONWIDE:

Week 05 (31 Jan - 6 Feb 16)



During Week 05: Influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 5 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 2.4%, which is above the national baseline of 2.1%. Seven of 10 regions reported ILI at or above region-specific baseline levels. Puerto Rico and one state experienced high ILI activity; two states experienced moderate ILI activity; New York City and 8 states experienced low ILI activity; 38 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Puerto Rico and seven states was reported as widespread; Guam and 17 states reported regional activity; 16 states reported local activity; the District of Columbia and 9 states reported sporadic activity; one state reported no activity; and the U.S. Virgin Islands did not report.



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

Week 05 (31 Jan - 6 Feb 16)

Total flu isolates tested:	<u>17,175</u>	
Number of positive isolates (%)	1,563	(9.1%)
<u>Influenza A:</u>	1,135	(72.6%)
<u>Influenza B:</u>	428	(27.4%)