



Lake County Health Department and Community Health Center Communicable Disease Program

Tony Beltran, MBA
Executive Director

Week 45
(8 - 14 Nov 15)*

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary: Lake County: During week 45, no flu outbreaks (in congregate settings) or intensive care unit (ICU) hospital admissions for influenza have been reported in Lake County. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) have increased 7% over the previous week. **Schools:** Eight school districts conducted surveillance for both ILI and overall general absenteeism. ILI remained at around 0.5%, while absenteeism increased slightly this week to 4.8%, a 0.5% increase. **Cook County:** Influenza is currently increasing but no influenza outbreaks have been reported and ICU admissions remained the same. **Wisconsin (SE Region):** Flu activity continues to remain low in all 5 Wisconsin regions. Sporadic cases of influenza A have been identified throughout the state. **Illinois:** Flu activity in Illinois was elevated from “no activity” status to “Sporadic” activity, due to more flu isolates confirmed as positive throughout Illinois. **Nationwide:** Overall seasonal influenza activity is low across the United States. The proportion of people seeing their health care provider for ILI is 1.4% and remains below the national baseline (2.1%). All 10 U.S. regions reported ILI activity below region-specific baseline levels. CDC recommends an annual flu vaccine for everyone 6 months of age and older. Getting vaccinated before flu activity begins is best.

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.

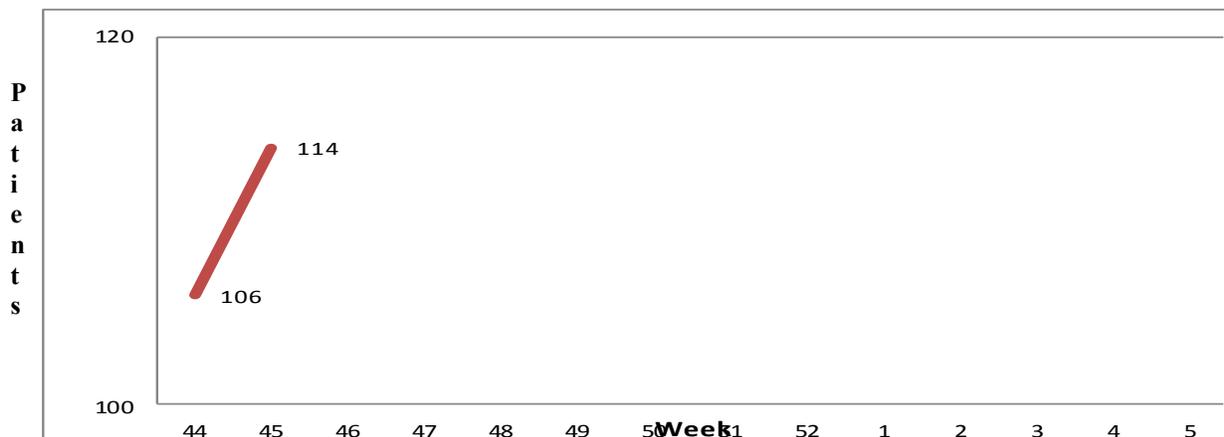
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 45 (8 - 14 Nov 15)



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



LAKE COUNTY: (Cont)



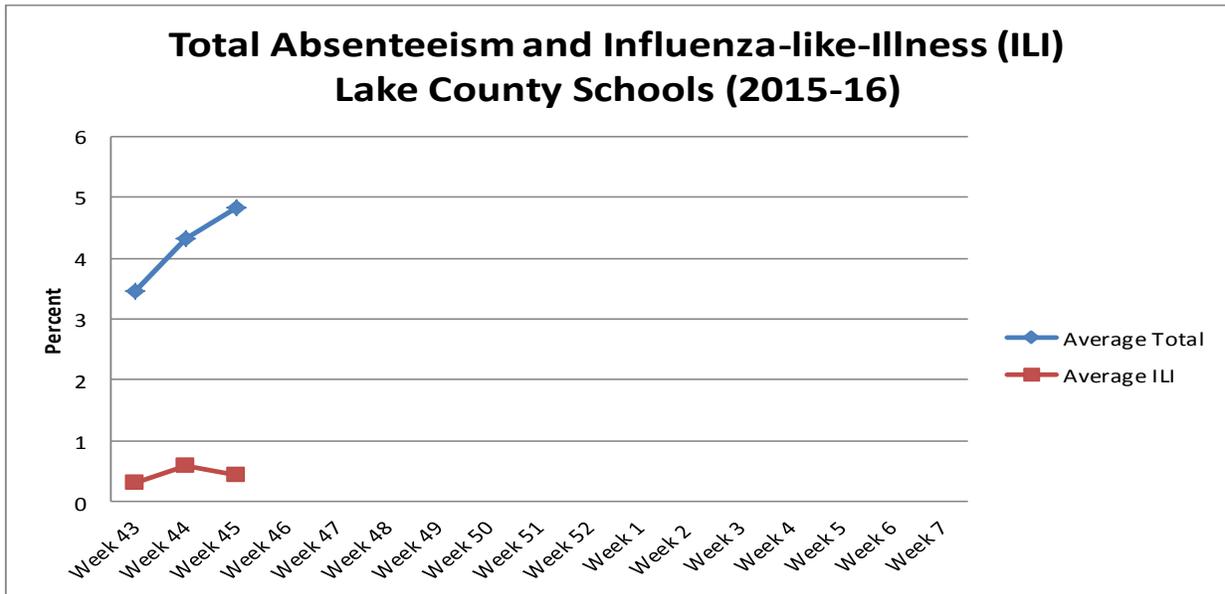
Week 45 (8 - 14 Nov 15)

School Influenza-like Illness (ILI) Surveillance

Reporting School Districts:

*Barrington (220), Community (128), Lake Villa (41), 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	39
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	0	0
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	12	9



Lake County - "Voluntary" reported positive flu test:

Week 45 (8 - 14 Nov 15)

	<u>Week 45</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	0	0	0

***Cumulative since week 44.** Positive tests are reported voluntarily by various sources (i.e., sentinel and other hospitals, treatment centers, physician offices, schools etc.)

"Reportable" to the Lake County Health Department:

Week 45 (1 - 14 Nov 15)

	<u>Week 45</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	0	0	0
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported *(Congregate settings):	0	0	0

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

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

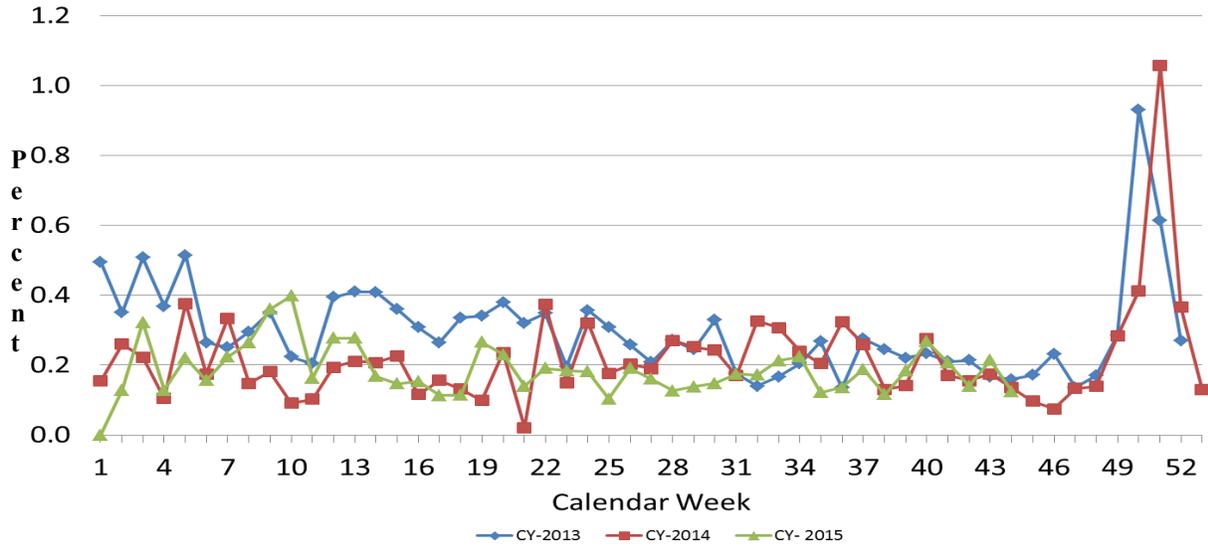
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 44 (1 - 7 Nov 15)



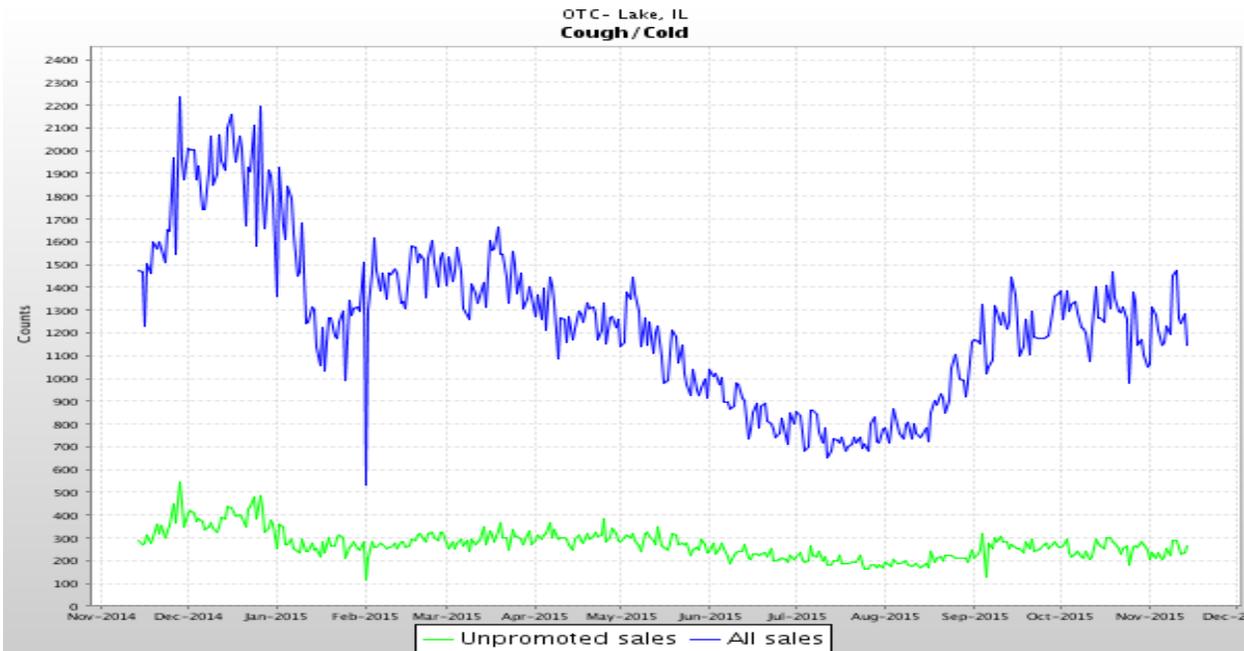
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 12 Months
(15 Nov 14 - 14 Nov 15)*



- There are 62 sentinel Pharmacies throughout Lake County.

REGIONAL:

Suburban Cook County:

Week 44 (1 - 7 Nov 15)



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week 44: **0**

Total since week 35 (24Aug14): **10**

Wisconsin (SE Region):

Week 44 (1 - 7 Nov 15)



	<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: Rhinoviruses and para-influenza virus are predominate this week.

ILLINOIS:

Week 44 (1 - 7 Nov 15)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **0.95%**, which is **below** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Sporadic”** for this reporting week.
- For this reporting week there were **2.7%** (12/440) of influenza specimens tested by WHO/NREVSS collaborating Illinois laboratories and Illinois Department of Public Health Laboratories. So far this season, **1.9%** (25/2083) specimens tested positive for Influenza.
- **5** influenza –associated Intensive Care Unit (ICU) admissions were reported for this reporting week.
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **No** influenza outbreaks were reported.

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.

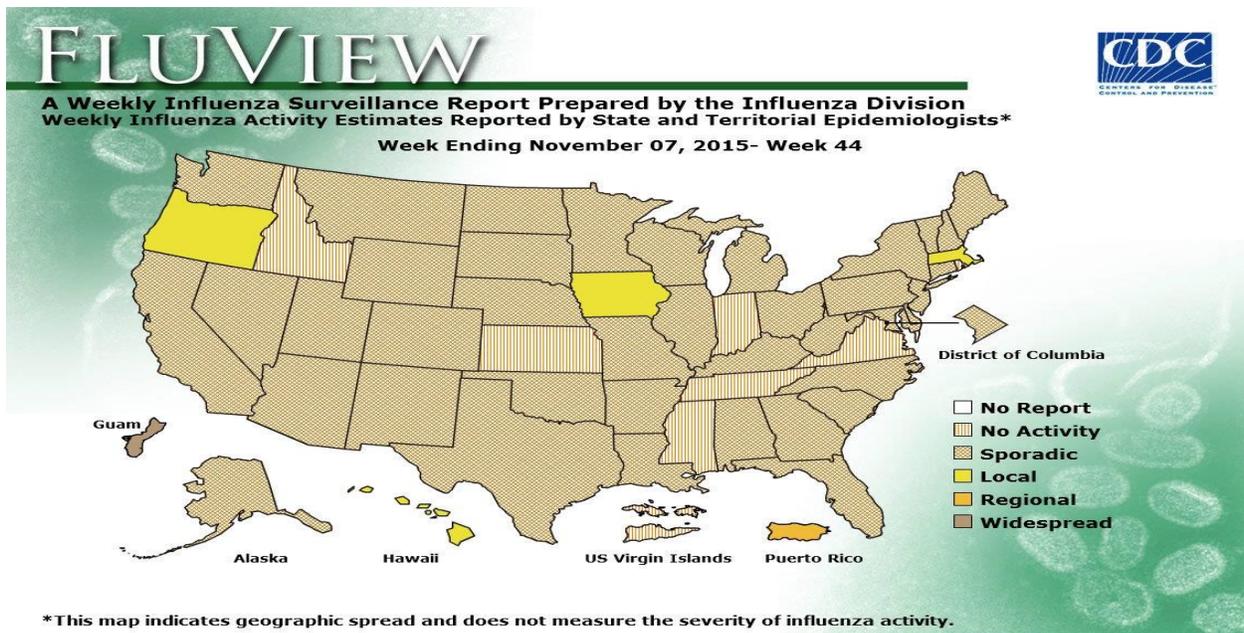
NATIONWIDE:

Week 44 (1 - 7 Nov 15)



During Week 44: Influenza activity was low in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories in week 44 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical labs is low.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.4%, which is below the national baseline of 2.1%. All 10 regions reported ILI below region-specific baseline levels. Puerto Rico experienced moderate ILI activity, New York City and 50 states experienced minimal ILI activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; Puerto Rico reported regional activity; four states reported local activity; the District of Columbia and 39 states reported sporadic activity; and the U.S. Virgin Islands and seven states reported no influenza activity.



U.S. Virologic Surveillance:

Week 44 (1 - 7 Nov 15)

Total flu isolates tested:	<u>10,271</u>	
Number of positive isolates (%)	128	(1.2%)
<u>Influenza A:</u>	75	(58.6%)
<u>Influenza B:</u>	53	(41.4%)