



Lake County Health Department and Community Health Center

Week 03
(17-23 Jan 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) showed a 16% decrease over the previous weeks visits. No influenza outbreaks have been reporting in long term care facilities (LTCF). **Schools:** Absences due to ILI in Lake County schools continue to remain low. General absenteeism in schools declined this week, however, fewer schools overall were surveyed when compared to the previous week. **Cook County:** Influenza activity continues to increase with Intensive care unit (ICU) admission for flu increasing. So far this season, Cook has reported one cluster of ILI occurring in a school and no outbreaks reported in LTCF. **Wisconsin (SE Region):** Continues to report overall “low” flu activity. Current flu activity is high in northern Wisconsin but low in the southern part of the State. **Illinois:** Influenza/ILI activity remains “Sporadic” in the State with visits to providers for ILI increasing over baseline for the first time this flu season jumping from 1.4% to 2.03%. **Nationwide:** The most recent Centers for Disease Control and Prevention (CDC) data shows flu activity remains low across most of the country, but is showing slight increases. The majority of flu activity is in the Northeast and Western United States. Further increases in activity are expected in the coming weeks. Flu activity most often peaks in February and can last into May. CDC continues to recommend 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.

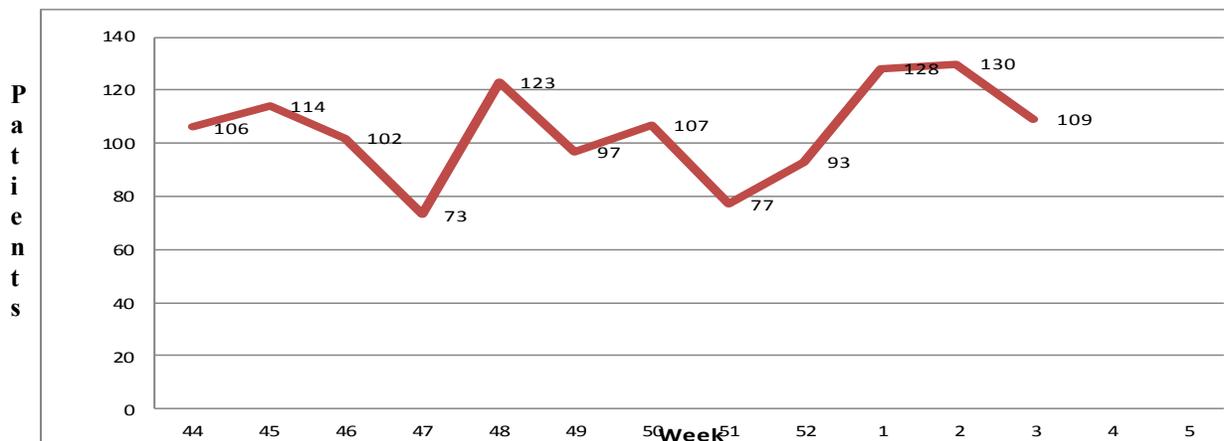
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 03 (17 - 23 Jan 16)



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



LAKE COUNTY: (Cont)

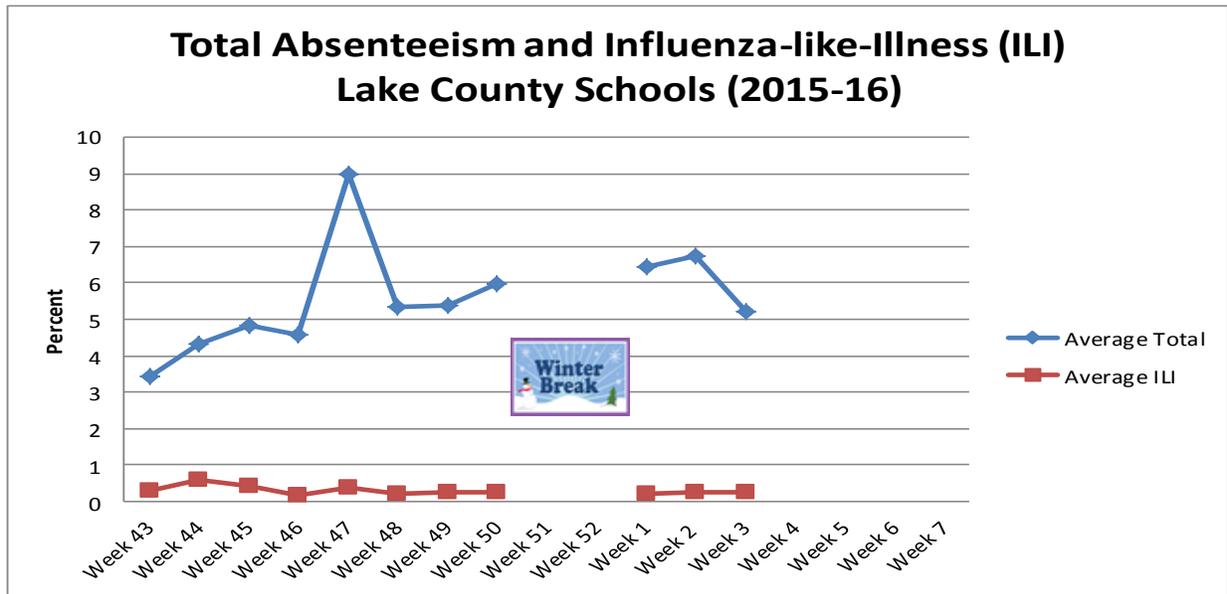


Week 03 (17 - 23 Jan 16)

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:	40	50
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	18	19



Lake County - "Voluntary" reported positive flu test:

Week 03 (17 - 23 Jan 16)

	<u>Week 03</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	1	^20	21

*Cumulative since week 44.

^Aggregate number of Positive rapid flu tests reported by Lake County Hospitals since early December

"Reportable" to the Lake County Health Department:

Week 03 (17 - 23 Jan 16)

	<u>Week 03</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.

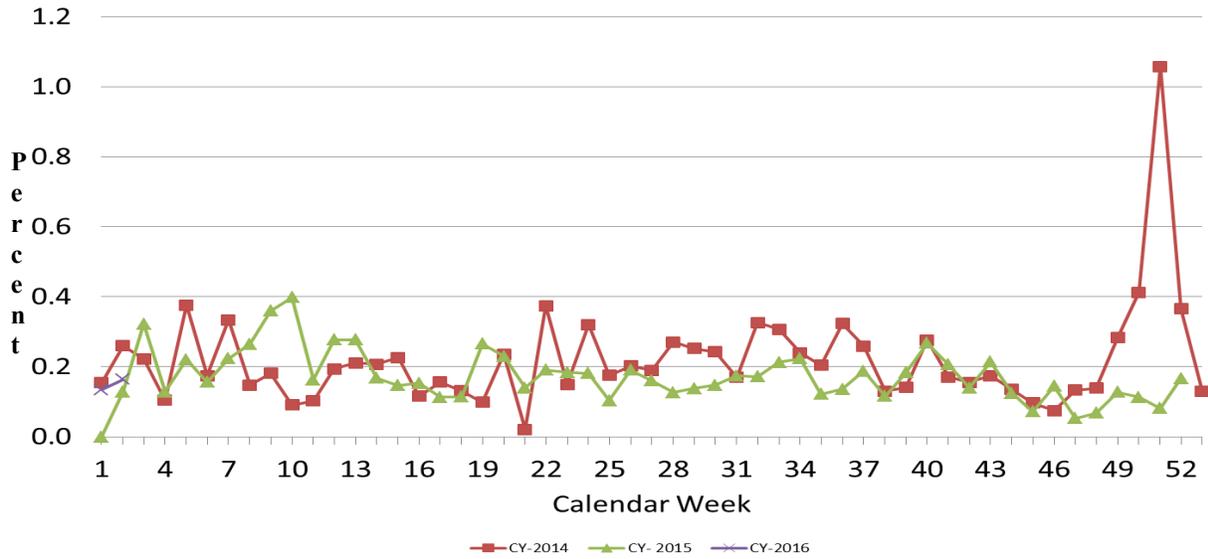
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 02 (10 - 16 Jan 16)



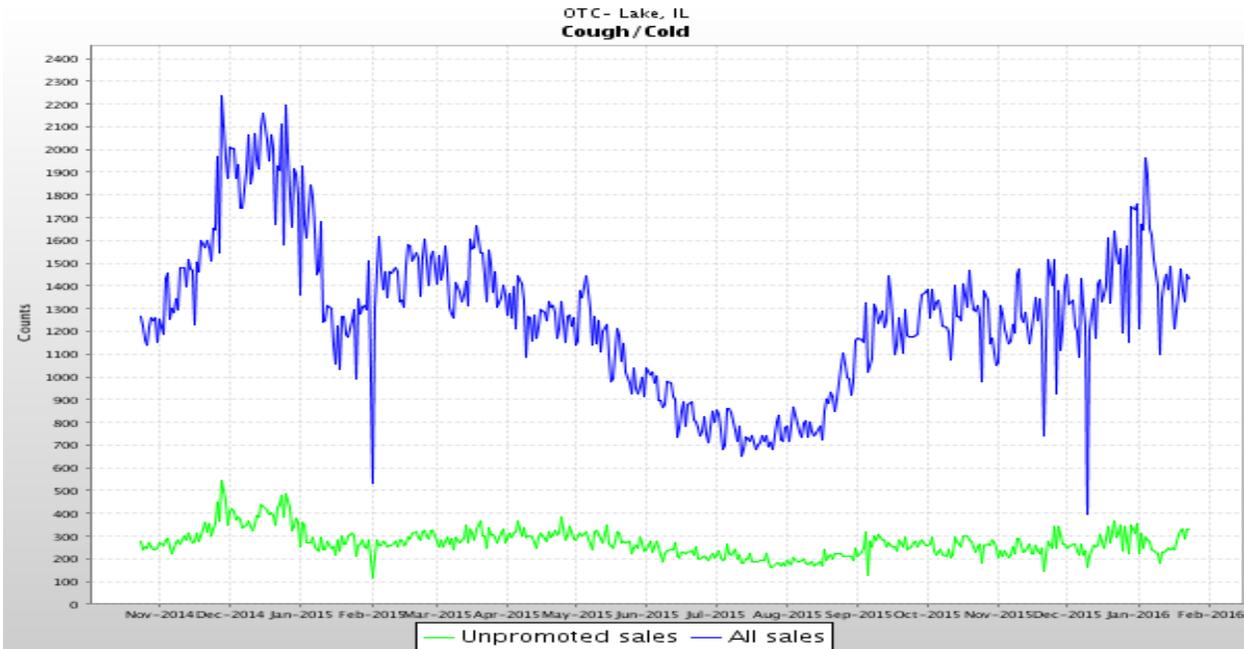
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(24 Oct 14 - 23 Jan 16)*



- Cough and Cold medicine purchases.
- 17 of 62 (27.4%) of Lake County Pharmacies reporting.

REGIONAL:

Suburban Cook County:

Week 02 (10 - 16 Jan 16)



Flu activity is currently **“Increasing”**

Intensive care unit flu-associated admissions for week 02: **4**
Total since week 35 (24Aug14): **25**

Wisconsin (SE Region):

Week 02 (10 - 16 Jan 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: Rhinovirus, coronavirus and RSV are the predominate viruses this week.

ILLINOIS:

Week 02 (10 - 16 Jan 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **2.03%**, which is **above** 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, **2.4%** (16/667) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **1.9%** (162/8648) of specimens tested were positive for Influenza.
- There were 5 influenza –associated Intensive Care Unit (ICU) admissions that occurred during this reporting week. Season total: **76**
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **2** influenza outbreaks were reported. Season total: **4**

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.

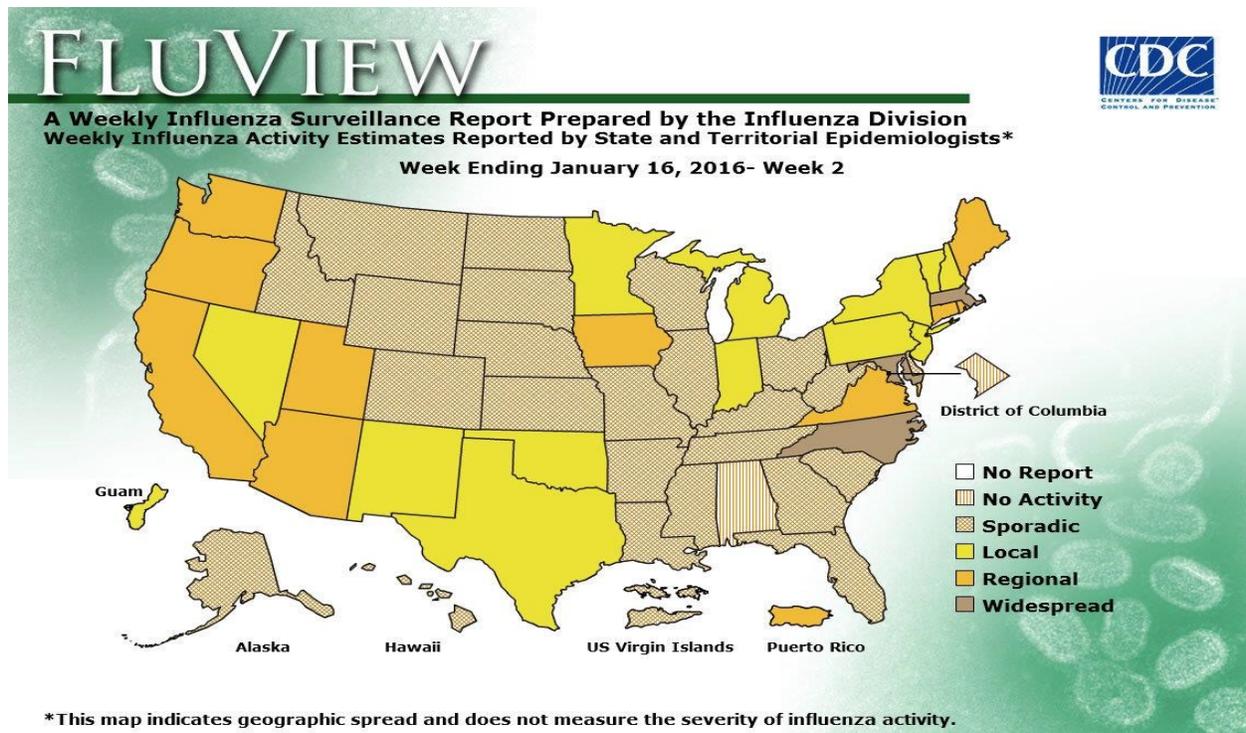
NATIONWIDE:

Week 02 (10 - 16 Jan 16)



During Week 02: Influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 2 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:** No influenza-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.1%, which is at the national baseline of 2.1%. Six of 10 regions reported ILI at or above region-specific baseline levels. Puerto Rico experienced high ILI activity; three states experienced moderate ILI activity; New York City and four states experienced low ILI activity; 43 states experienced minimal ILI activity; and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in three states was reported as widespread; Puerto Rico and 10 states reported regional activity; Guam and 12 states reported local activity; the U.S. Virgin Islands and 24 states reported sporadic activity; and the District of Columbia and one state reported no influenza activity.



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

Week 02 (10 - 16 Jan 16)

Total flu isolates tested:	<u>13,598</u>	
Number of positive isolates (%)	565	(4.2%)
<u>Influenza A:</u>	398	(70.4%)
<u>Influenza B:</u>	167	(29.6%)