



Lake County Health Department and Community Health Center

Week 04
(24-30 Jan 16)*

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Executive Director

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary:

Lake County: Flu activity is increasing with visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI), going up by 35% compared to the previous week. There have been no reported influenza outbreaks so far in long term care facilities (LTCF's), but one intensive care unit (ICU) admission was reported. **Schools:** Despite the increase in flu activity, absences due to ILI in Lake County schools continue to remain low. General absenteeism for all reasons increased only slightly. **Cook County:** Influenza activity continues to increase slowly. So far this season, Cook has reported one cluster of ILI occurring in a school and no outbreaks reported as of yet in LTCF's. **Wisconsin (SE Region):** Continues to report overall "low" flu activity throughout most of the state. **Illinois:** Influenza/ILI activity was elevated to "Local" status in the State, mainly due to a higher rate of positive's being detected in tested flu isolates.. **Nationwide:** Flu activity continues to increase slowly; however there are localized pockets of high activity in parts of the country. H1N1 viruses are most common at this time. This H1N1 virus emerged in 2009 to cause a pandemic. Seasonal flu vaccines have included the H1N1 pandemic virus since 2010. CDC recommends an annual flu vaccine for everyone 6 months of age and older. If you have not gotten vaccinated yet this season, you should get vaccinated now.

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.

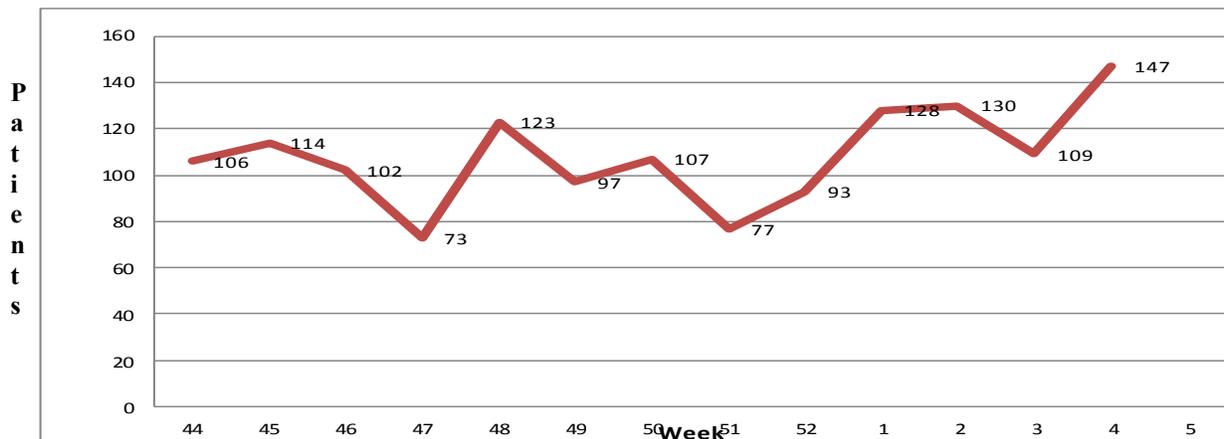
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 04 (24 - 30 Jan 16)



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



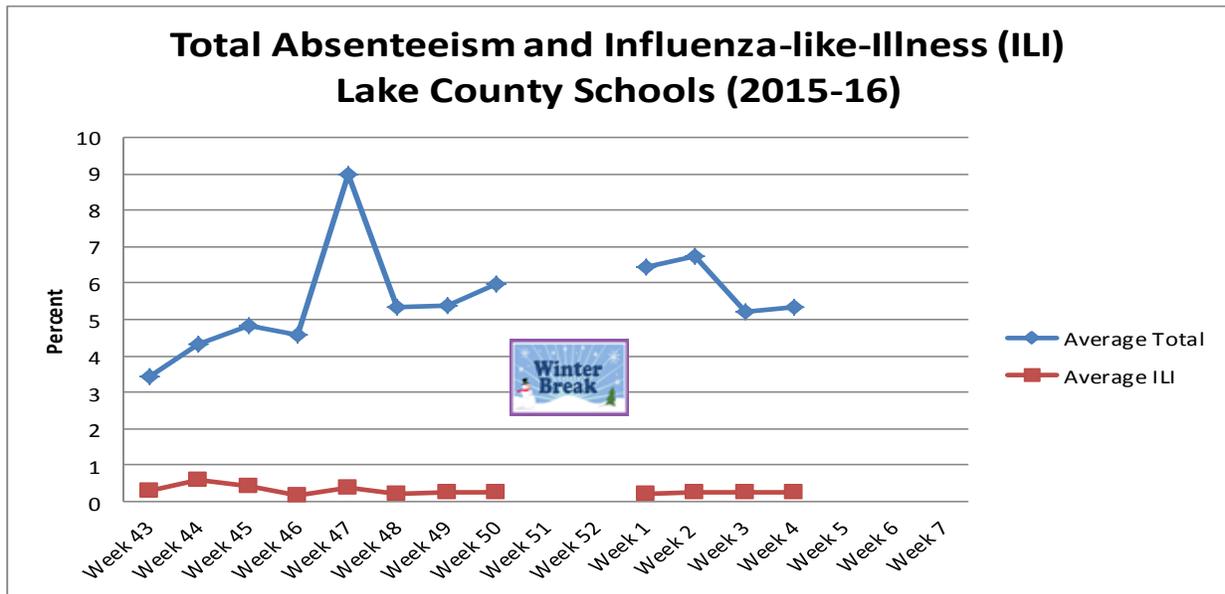
LAKE COUNTY: (Cont)



Week 04 (24 - 30 Jan 16)

School Influenza-like Illness (ILI) Surveillance
Reporting School Districts: *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	40
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	16	18



Lake County - "Voluntary" reported positive flu test:

Week 04 (24 - 30 Jan 16)

	<u>Week 04</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	1	1	22

*Cumulative since week 44.

"Reportable" to the Lake County Health Department:

Week 04 (24 - 30 Jan 16)

	<u>Week 04</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	1	0	1
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.

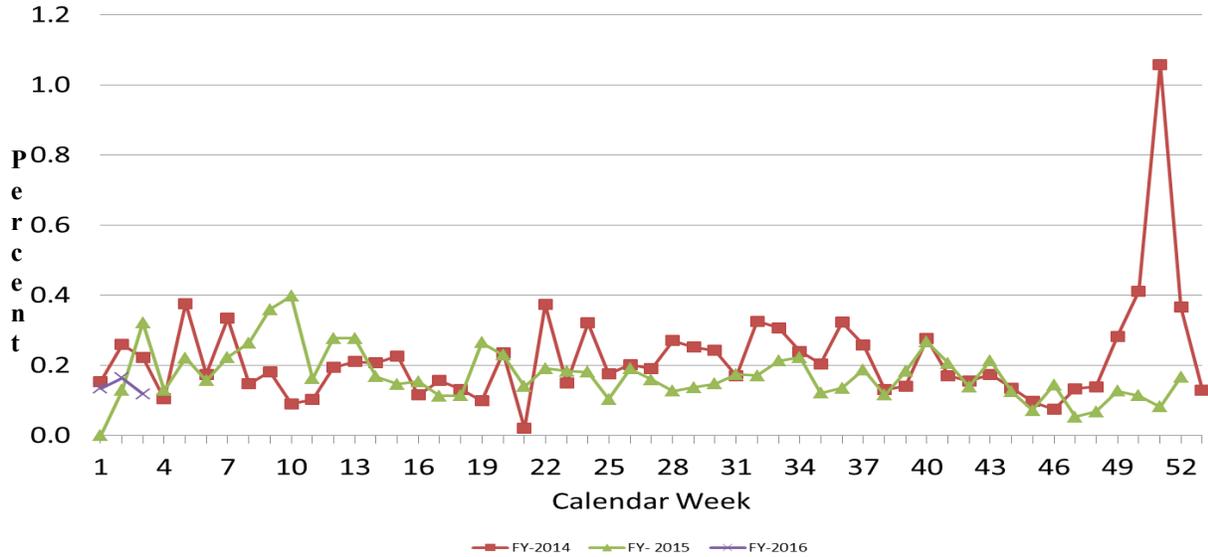
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 03 (17 - 23 Jan 16)



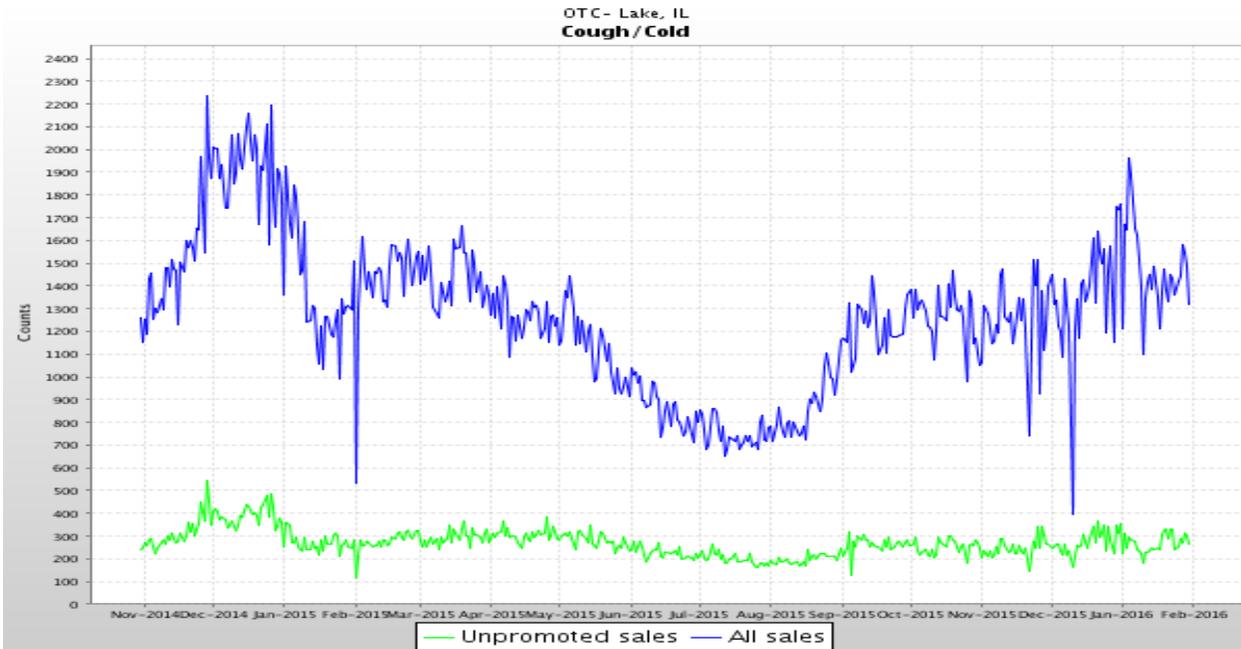
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(31 Oct 14 - 30 Jan 16)*



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

REGIONAL:

Suburban Cook County:

Week 03 (17 - 23 Jan 16)



Flu activity is currently **“Increasing”**

Intensive care unit flu-associated admissions for week 03: **3**
Total since week 35 (24Aug14): **29**

Wisconsin (SE Region):

Week 03 (17 - 23 Jan 16)



Flu/ILI Activity:

<u>Current Week</u>	<u>Previous Week</u>
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 03 (17 - 23 Jan 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.64%**, which is **below** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Localized”** for this reporting week.
- For this reporting week, **4.3%** (28/647) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **2.1%** (193/9357) of specimens tested were positive for Influenza.
- There were **6** influenza –associated Intensive Care Unit (ICU) admissions that occurred during this reporting week. Season total: **89**
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **1** influenza outbreak was reported. Season total: **5**

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.

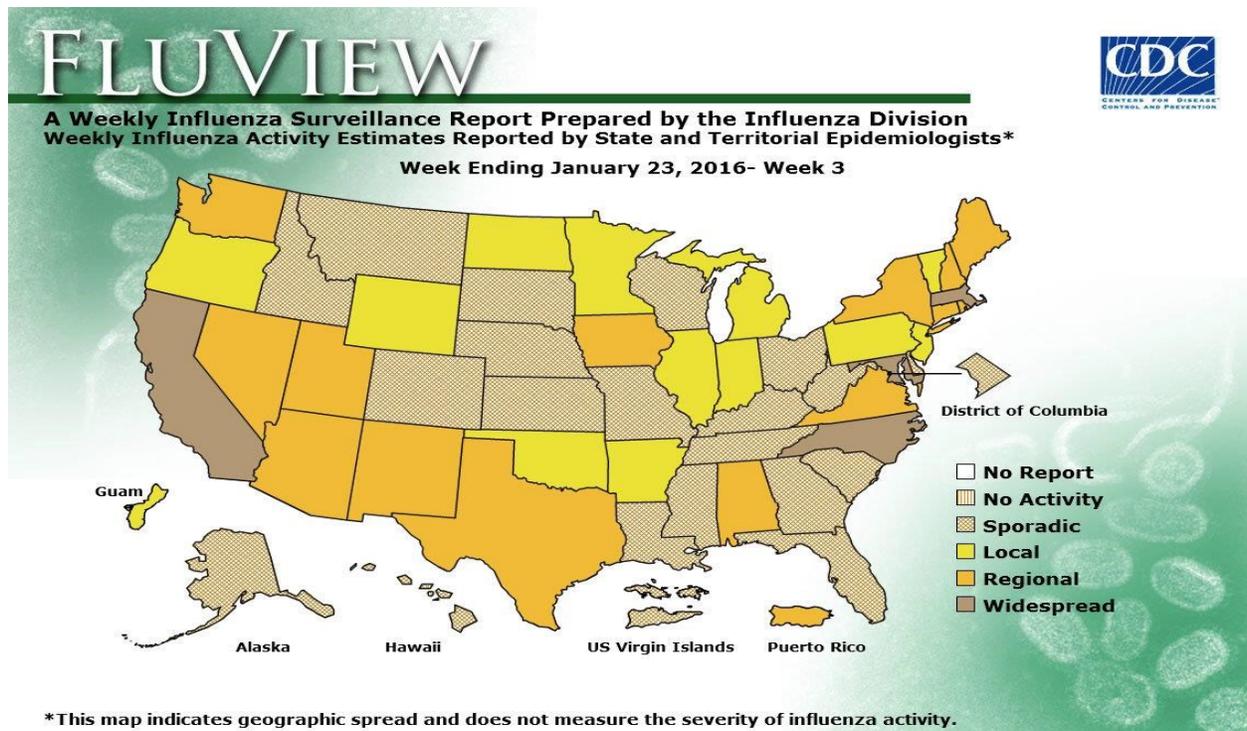
NATIONWIDE:

Week 03 (17 - 23 Jan 16)



During Week 03: Influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 3 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 2.2%, which is above 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; five states experienced low ILI activity; New York City and 42 states experienced minimal ILI activity; and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in four states was reported as widespread; Puerto Rico and 14 states reported regional activity; Guam and 12 states reported local activity; and the District of Columbia, the U.S. Virgin Islands and 20 states reported sporadic activity.



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

Week 03 (17 - 23 Jan 16)

Total flu isolates tested:	<u>13,517</u>	
Number of positive isolates (%)	680	(5.0%)
<u>Influenza A:</u>	500	(73.5%)
<u>Influenza B:</u>	180	(26.5%)