



BOSTON PUBLIC HEALTH COMMISSION (BPHC)

Communicable Disease Control Division
 1010 Massachusetts Ave - Boston, MA 02118
 Phone: (617) 534-5611 - Fax: (617) 534-5905

Influenza Report - For the week ending 1/17/15

10/1/14 - 1/17/15

| Reported Cases (Boston Res.) | # |
|------------------------------|------------|
| Influenza A | 500 |
| Influenza B | 26 |
| Influenza A and B | 6 |
| Total | 532 |

| ED Surveillance | |
|---------------------------------|-------|
| This Week % ILI | 2.15% |
| Average % ILI (since 10/1/2014) | 0.98% |

Summary: As of 1/17/15, 532 cases of confirmed influenza were reported to the Boston Public Health Commission (BPHC), with 144 (27.1%) cases requiring hospitalization. Three influenza-associated deaths have been reported. Emergency department visits for influenza-like illness (ILI) comprised 2.15% of all ED visits this week.

BPHC reminds everyone that influenza vaccine is still widely available, and there is still time to get vaccinated before the influenza season becomes more severe.

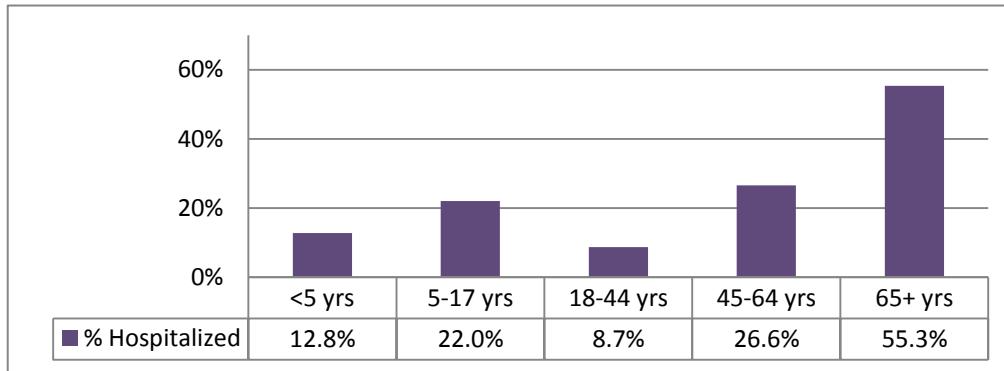
Cases of influenza diagnosed in Boston and confirmed by any laboratory test must be reported to BPHC.

CDC Health Update Regarding Treatment of Patients with Influenza with Antiviral Medications

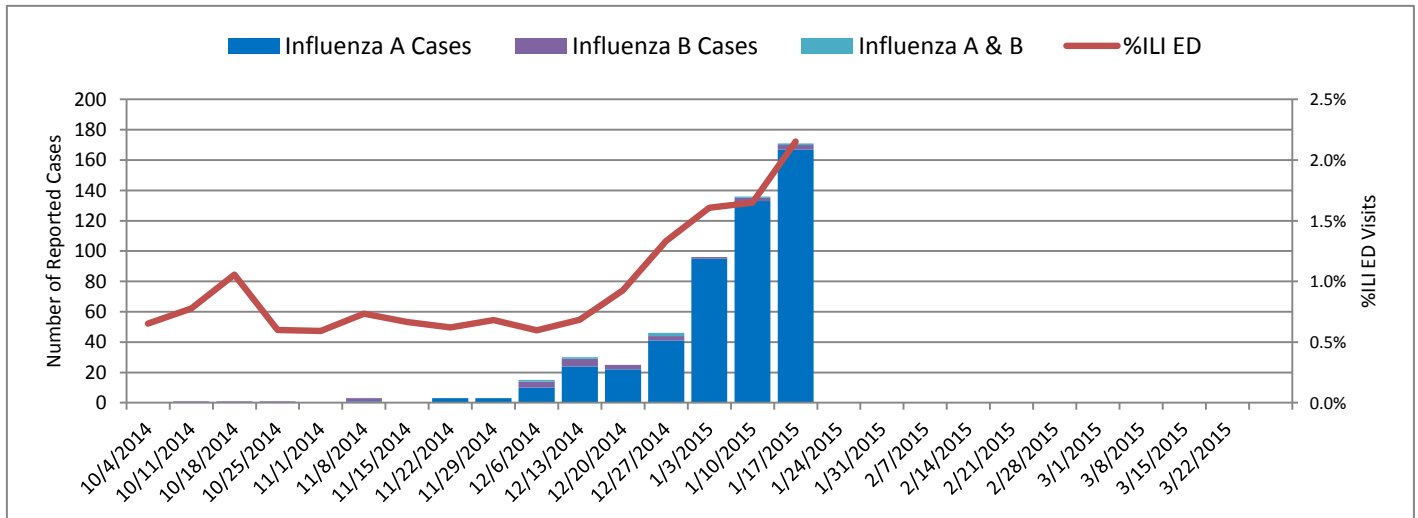
This CDC Health Update was issued on 1/9/2015:

- 1) to remind clinicians that influenza should be high on their list of possible diagnoses for ill patients, because influenza activity is elevated nationwide, and
- 2) to advise clinicians that all hospitalized patients and all high-risk patients (hospitalized or outpatient) with suspected influenza should be treated as soon as possible with an influenza antiviral medication. Clinicians should not wait for confirmatory influenza testing. Antivirals work best when given early, but therapeutic benefit has been observed even when treatment is initiated later.

Hospitalization Rates by Age Group, Boston Residents, 10/1/2014 - 1/17/2015



Reported Influenza Cases and % ILI ED Visits, 2014-15

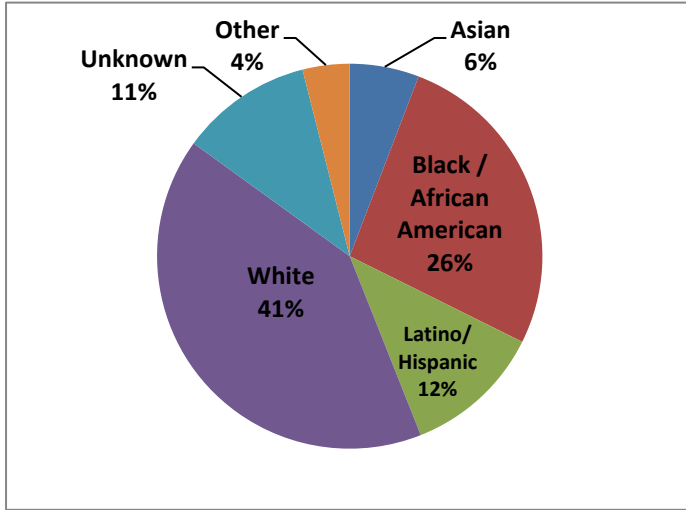




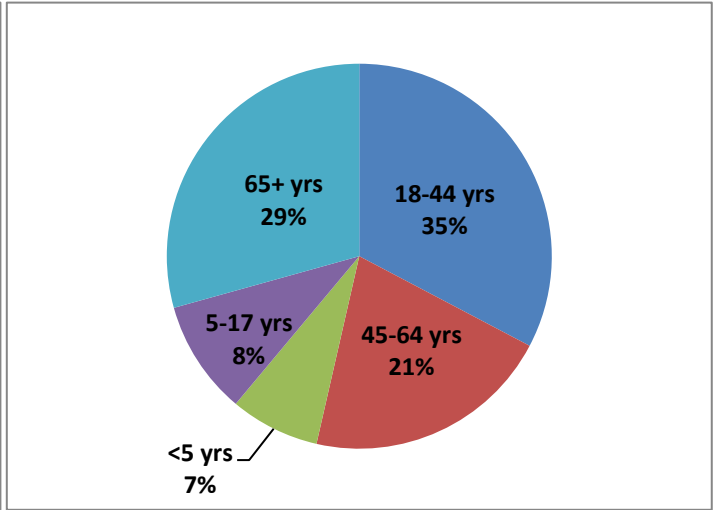
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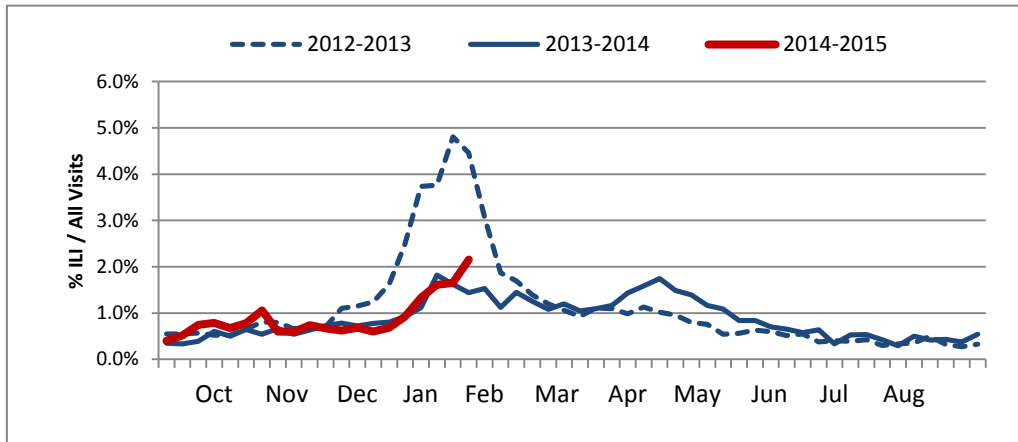
Race/Ethnicity of Confirmed Influenza Cases, 10/1/14 - 1/17/15, Boston Residents



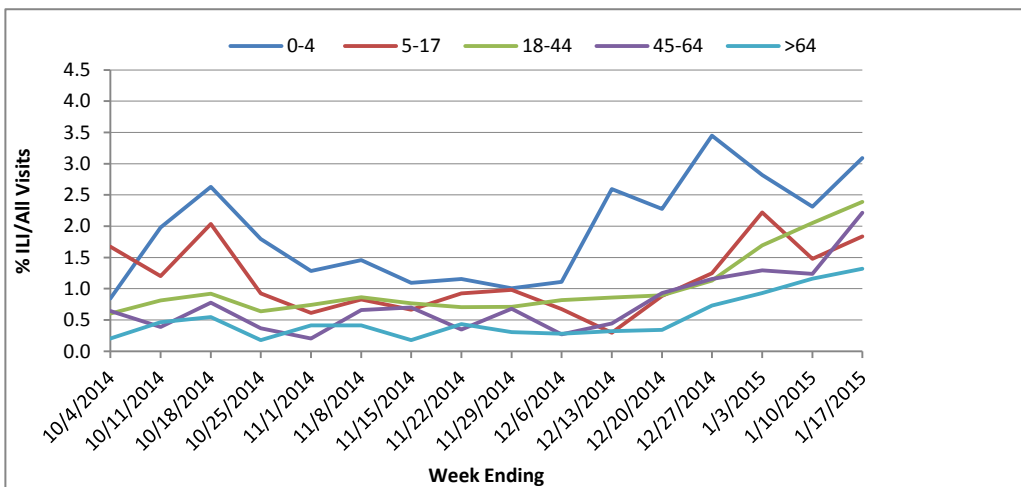
Age Distribution of Confirmed Influenza Cases, 10/1/14 - 1/17/15, Boston Residents



Weekly Percentage of ED Visits for ILI, 2012-2015



Weekly Percentage of ED Visits for ILI by Age Group, 10/1/14 - 1/17/15



Cases of influenza diagnosed in Boston and confirmed by any laboratory test must be reported to BPHC. Influenza like illness (ILI) is defined as "flu" OR "fever and a cough or sore throat" in the ED chief complaint as captured by the BPHC Syndromic Surveillance System.

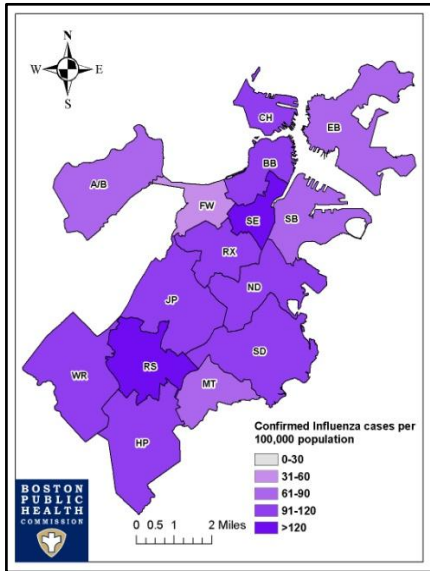


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Geographic Distribution

**Rate of Confirmed Influenza Cases
by Neighborhood per 100,000 Population
October 1, 2014 - January 17, 2015**



**Rate of ILI Syndrome ED Visits
by Neighborhood per 100,000 Population
October 1, 2014 - January 17, 2015**

