



## Delaware Weekly Influenza Report Week 02 (January 06-January 12, 2013) Delaware Division of Public Health

### National Synopsis-2012-2013:

NOTE: National data is updated Friday of each week. Please visit <http://www.cdc.gov/flu/weekly/> for the most current information.

Both national and state data are provisional and subject to change as additional reports are received.

### Delaware Influenza Surveillance 2012-2013:

There were 126 confirmed cases of influenza among Delawareans during week 02.

NOTE: The 2012-2013 influenza season begins with week 40.

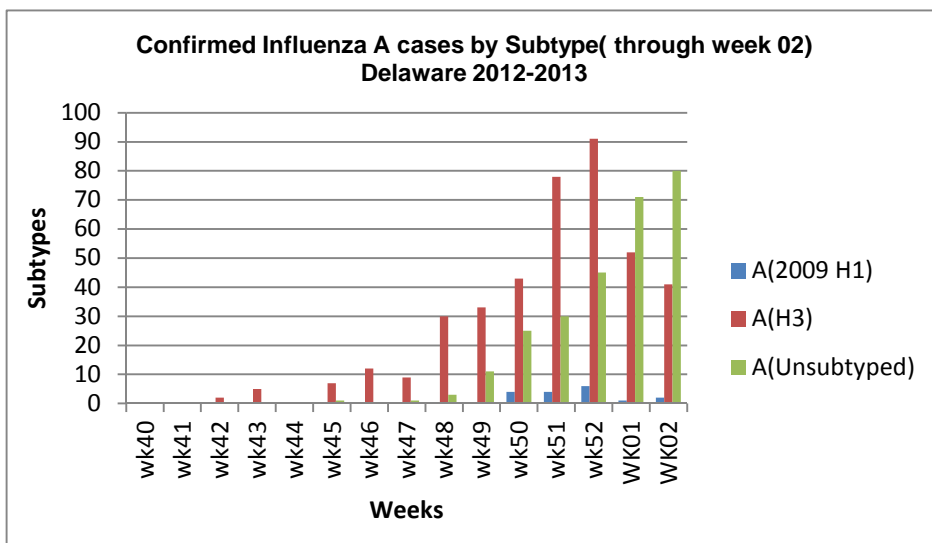
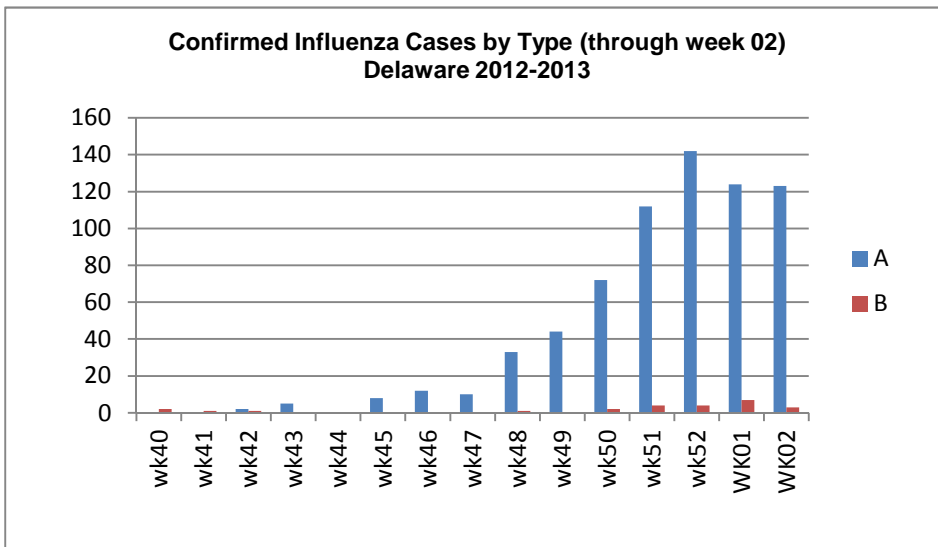
### **Influenza Positive<sup>1</sup> Cases Reported<sup>2</sup> through Week 02 (Week ending January 12, 2013)**

| Confirmed Flu Cases by Subtype |                           | Wks 40-45 | Wk46 | Wk47 | Wk48 | Wk49 | Wk50 | Wk51 | Wk52 | Wk01 | Wk02 | YTD | YTD Total | YTD Cnty% |
|--------------------------------|---------------------------|-----------|------|------|------|------|------|------|------|------|------|-----|-----------|-----------|
| Statewide                      | A (2009 H1)               | 0         | 0    | 0    | 0    | 0    | 4    | 4    | 6    | 1    | 2    | 17  | 713       |           |
|                                | A (H3)                    | 14        | 12   | 9    | 30   | 33   | 43   | 78   | 91   | 52   | 41   | 403 |           |           |
|                                | A subtyping not performed | 1         | 0    | 1    | 3    | 11   | 25   | 30   | 45   | 71   | 80   | 267 |           |           |
|                                | B                         | 4         | 0    | 0    | 1    | 0    | 2    | 4    | 5    | 7    | 3    | 26  |           |           |
| New Castle County              | A (2009 H1)               | 0         | 0    | 0    | 0    | 0    | 4    | 4    | 4    | 1    | 2    | 15  | 360       | 50%       |
|                                | A (H3)                    | 2         | 3    | 1    | 10   | 17   | 16   | 41   | 44   | 21   | 14   | 169 |           |           |
|                                | A subtyping not performed | 0         | 0    | 0    | 0    | 2    | 4    | 14   | 32   | 51   | 61   | 164 |           |           |
|                                | B                         | 1         | 0    | 0    | 0    | 0    | 2    | 1    | 2    | 4    | 2    | 12  |           |           |
| Kent County                    | A (2009 H1)               | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0   | 177       | 25%       |
|                                | A (H3)                    | 11        | 8    | 6    | 13   | 4    | 18   | 16   | 11   | 8    | 9    | 104 |           |           |
|                                | A subtyping not performed | 1         | 0    | 1    | 2    | 4    | 9    | 12   | 12   | 13   | 11   | 65  |           |           |
|                                | B                         | 2         | 0    | 0    | 0    | 0    | 0    | 1    | 3    | 1    | 1    | 8   |           |           |
| Sussex County                  | A (2009 H1)               | 0         | 0    | 0    | 0    | 0    | 0    | 0    | 2    | 0    | 0    | 2   | 176       | 25%       |
|                                | A (H3)                    | 1         | 1    | 2    | 7    | 12   | 9    | 21   | 36   | 23   | 18   | 130 |           |           |
|                                | A subtyping not performed | 0         | 0    | 0    | 1    | 5    | 12   | 4    | 1    | 7    | 8    | 38  |           |           |
|                                | B                         | 1         | 0    | 0    | 1    | 0    | 0    | 2    | 0    | 2    | 0    | 6   |           |           |

| Confirmed Flu Cases by Age Group |             | Wks 40-45 | Wk46 | Wk47 | Wk48 | Wk49 | Wk50 | Wk51 | Wk52 | Wk01 | Wk02 | YTD | YTD Total | YTD Cnty% |
|----------------------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|-----|-----------|-----------|
| Statewide                        | 0-4 years   | 5         | 7    | 5    | 11   | 7    | 13   | 16   | 30   | 9    | 13   | 116 | 713       |           |
|                                  | 5-24 years  | 7         | 4    | 5    | 11   | 13   | 39   | 53   | 47   | 30   | 36   | 245 |           |           |
|                                  | 25-49 years | 2         | 0    | 0    | 6    | 8    | 15   | 26   | 25   | 32   | 19   | 133 |           |           |
|                                  | 50-64 years | 3         | 1    | 0    | 4    | 6    | 6    | 13   | 11   | 16   | 17   | 78  |           |           |
|                                  | 65+ years   | 2         | 0    | 0    | 2    | 10   | 1    | 8    | 34   | 44   | 41   | 141 |           |           |
| New Castle County                | 0-4 years   | 1         | 3    | 0    | 2    | 3    | 5    | 7    | 14   | 3    | 7    | 45  | 361       | 51%       |
|                                  | 5-24 years  | 0         | 0    | 1    | 6    | 2    | 10   | 22   | 25   | 15   | 18   | 99  |           |           |
|                                  | 25-49 years | 0         | 0    | 0    | 1    | 1    | 7    | 16   | 9    | 17   | 12   | 63  |           |           |
|                                  | 50-64 years | 1         | 0    | 0    | 0    | 5    | 4    | 10   | 7    | 9    | 12   | 48  |           |           |
|                                  | 65+ years   | 1         | 0    | 0    | 1    | 8    | 0    | 5    | 27   | 33   | 31   | 106 |           |           |
| Kent County                      | 0-4 years   | 4         | 4    | 4    | 6    | 2    | 4    | 6    | 3    | 4    | 3    | 40  | 177       | 25%       |
|                                  | 5-24 years  | 6         | 3    | 3    | 4    | 5    | 18   | 14   | 8    | 8    | 8    | 77  |           |           |
|                                  | 25-49 years | 1         | 0    | 0    | 2    | 1    | 3    | 6    | 9    | 7    | 6    | 35  |           |           |
|                                  | 50-64 years | 2         | 1    | 0    | 2    | 0    | 2    | 2    | 2    | 1    | 3    | 15  |           |           |
|                                  | 65+ years   | 1         | 0    | 0    | 1    | 0    | 0    | 1    | 4    | 2    | 1    | 10  |           |           |
| Sussex County                    | 0-4 years   | 0         | 0    | 1    | 3    | 2    | 4    | 3    | 14   | 2    | 3    | 32  | 175       | 24%       |
|                                  | 5-24 years  | 1         | 1    | 1    | 1    | 6    | 11   | 17   | 13   | 7    | 10   | 68  |           |           |
|                                  | 25-49 years | 1         | 0    | 0    | 3    | 6    | 5    | 4    | 7    | 8    | 1    | 35  |           |           |
|                                  | 50-64 years | 0         | 0    | 0    | 2    | 1    | 0    | 1    | 2    | 6    | 2    | 14  |           |           |
|                                  | 65+ years   | 0         | 0    | 0    | 0    | 2    | 1    | 2    | 3    | 9    | 9    | 26  |           |           |

<sup>1</sup> Based on patients with positive nucleic acid or viral culture test results reported to the Division of Public Health.

<sup>2</sup> Reports are by date of specimen collection, not the date the results are obtained. As a result, prior weeks' counts may be adjusted to reflect additional cases received.



| Flu Related Hospitalizations |             | Wks 40-45 | Wk46 | Wks 47-48 | Wk49 | Wk50 | Wk51 | Wk52 | Wk01 | Wk02 | YTD | YTD Total | YTD Cnty% |
|------------------------------|-------------|-----------|------|-----------|------|------|------|------|------|------|-----|-----------|-----------|
| Statewide                    | 0-4 years   | 0         | 1    | 2         | 1    | 1    | 0    | 1    | 2    | 0    | 8   | 194       |           |
|                              | 5-24 years  | 0         | 0    | 0         | 1    | 2    | 1    | 12   | 4    | 3    | 23  |           |           |
|                              | 25-49 years | 1         | 0    | 0         | 2    | 2    | 3    | 9    | 10   | 2    | 29  |           |           |
|                              | 50-64 years | 1         | 0    | 1         | 2    | 3    | 6    | 5    | 8    | 6    | 32  |           |           |
|                              | 65+ years   | 1         | 0    | 2         | 3    | 1    | 4    | 29   | 36   | 26   | 102 |           |           |
| New Castle County            | 0-4 years   | 0         | 1    | 2         | 0    | 0    | 0    | 0    | 0    | 0    | 3   | 157       | 81%       |
|                              | 5-24 years  | 0         | 0    | 0         | 0    | 0    | 1    | 9    | 3    | 3    | 16  |           |           |
|                              | 25-49 years | 0         | 0    | 0         | 1    | 2    | 3    | 5    | 10   | 2    | 23  |           |           |
|                              | 50-64 years | 0         | 0    | 0         | 1    | 3    | 6    | 5    | 7    | 6    | 28  |           |           |
|                              | 65+ years   | 0         | 0    | 1         | 2    | 0    | 4    | 25   | 31   | 24   | 87  |           |           |
| Kent County                  | 0-4 years   | 0         | 0    | 0         | 1    | 1    | 0    | 0    | 1    | 0    | 3   | 20        | 10%       |
|                              | 5-24 years  | 0         | 0    | 0         | 1    | 2    | 0    | 0    | 1    | 0    | 4   |           |           |
|                              | 25-49 years | 1         | 0    | 0         | 0    | 0    | 0    | 2    | 0    | 0    | 3   |           |           |
|                              | 50-64 years | 1         | 0    | 1         | 0    | 0    | 0    | 0    | 1    | 0    | 3   |           |           |
|                              | 65+ years   | 0         | 0    | 1         | 0    | 0    | 0    | 4    | 1    | 1    | 7   |           |           |
| Sussex County                | 0-4 years   | 0         | 0    | 0         | 0    | 0    | 0    | 1    | 1    | 0    | 2   | 17        | 9%        |
|                              | 5-24 years  | 0         | 0    | 0         | 0    | 0    | 0    | 3    | 0    | 0    | 3   |           |           |
|                              | 25-49 years | 0         | 0    | 0         | 1    | 0    | 0    | 2    | 0    | 0    | 3   |           |           |
|                              | 50-64 years | 0         | 0    | 0         | 1    | 0    | 0    | 0    | 0    | 0    | 1   |           |           |
|                              | 65+ years   | 0         | 0    | 0         | 1    | 1    | 0    | 1    | 4    | 1    | 8   |           |           |

| Flu Related Deaths | Wks 40-48 | Wk49 | Wk50 | Wk51 | Wk52 | Wk01 | Wk02 | Cumulative as of wk01 |
|--------------------|-----------|------|------|------|------|------|------|-----------------------|
|                    | 0         | 0    | 0    | 0    | 0    | 0    | 2    | 0                     |

| Annual Seasonal Flu Case Totals |      |
|---------------------------------|------|
| 2004-2005                       | 995  |
| 2005-2006                       | 541  |
| 2006 -2007                      | 508  |
| 2007-2008                       | 1401 |
| 2008-2009                       | 738  |
| 2009-2010                       | 2247 |
| 2010-2011                       | 1470 |
| 2011-2012                       | 262  |
| 2012-2013 (YTD)                 | 713  |

**NOTE:** The data provided is not a true reflection of the total number of individuals who have been infected with the influenza virus in Delaware during the reporting period due to the following factors:

- Many people ill with influenza-like symptoms do not seek medical care
- Many who do seek medical care are not tested for influenza
- The Delaware Public Health Laboratory (DPHL) is limited by capacity to processing a maximum of 5 tests per day from each reporting entity

**Level of Influenza Activity in Delaware, Week 0:**

|                   |  |
|-------------------|--|
| <b>Widespread</b> | Increase in ILI reports above the regional baseline <sup>1</sup> and/or institutional outbreaks of influenza (ILI or lab confirmed) AND recent (within the past 3 weeks) laboratory confirmed influenza in at least two of the three counties. |
|-------------------|--|

Influenza-like illness (ILI) is defined as patients presenting with fever over 100° F, cough and/or sore throat in the absence of a known cause other than influenza.

**No Activity:** No laboratory confirmed cases of influenza and no increase in the number of reports of ILI above regional baseline for the season.

**Sporadic:** Isolated laboratory confirmed cases **OR** a laboratory confirmed outbreak in one institution but no increase in reports of ILI from the regional baseline for the season.

**Local:** Increased ILI above the regional baseline for the season in a single county; ILI activity in other counties is not increased above baseline AND recent (within the past three weeks) laboratory evidence of influenza in the county with increased ILI **OR** two or more institutional outbreaks (ILI or laboratory confirmed flu) in a single county AND recent (within the past three weeks) laboratory evidence of influenza in the county with the outbreaks; virus activity is no greater than sporadic in other counties.

**Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least 2 but less than half the regions of the state. (This level of activity does not apply for small states with 4 or fewer regions.)

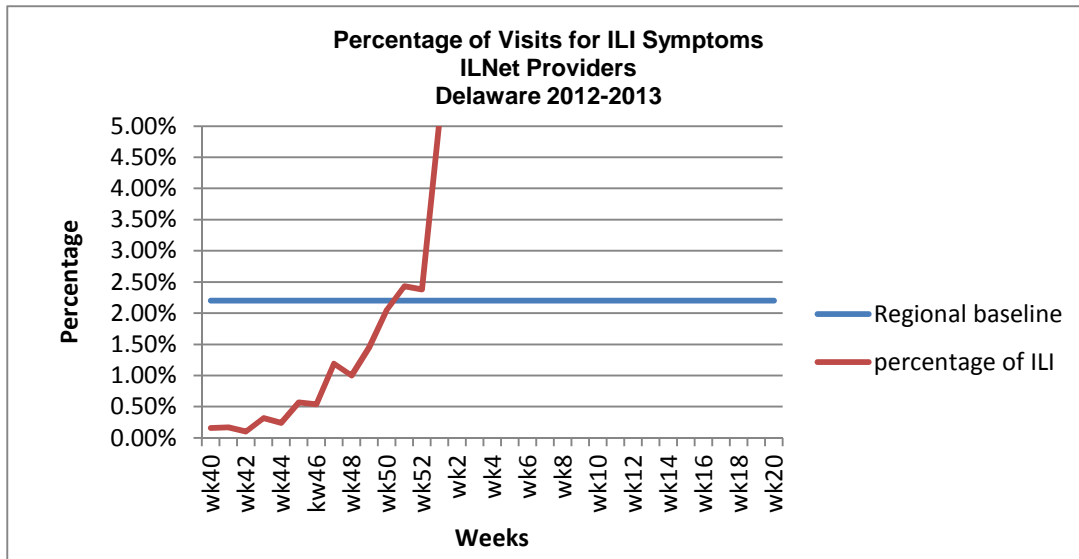
**Widespread:** Increase in ILI reports above the regional baseline and/or institutional outbreaks of influenza (ILI or lab confirmed) AND recent (within the past 3 weeks) laboratory confirmed influenza in at least two of the three counties.

<sup>1</sup>2012-2013 Region3 (DE, DC, MD, PA, VA & WV) Baseline=2.20%.

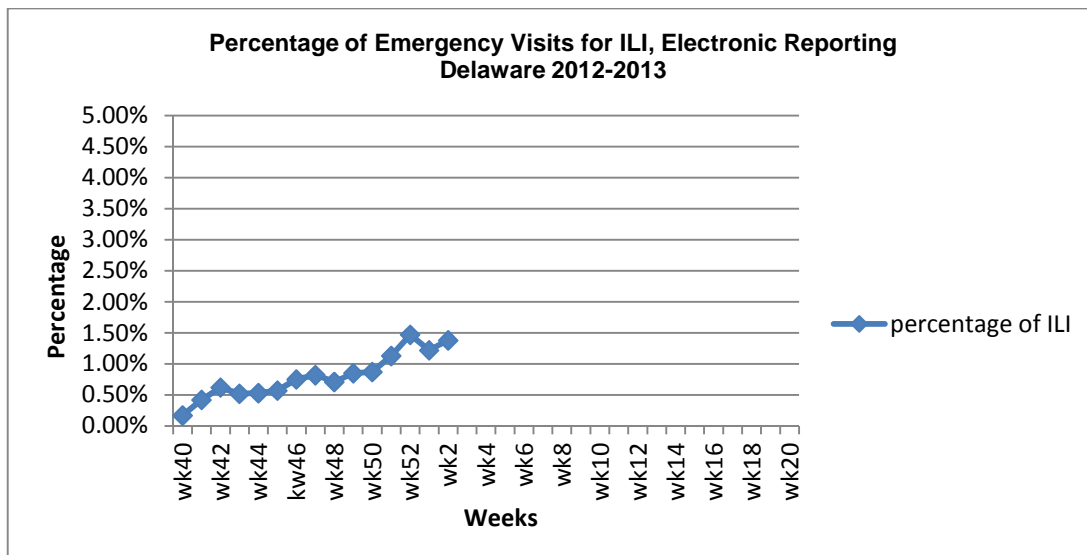
**ILINet (Sentinel) Provider Surveillance Network:**

An ILINet (Sentinel) provider conducts surveillance for influenza-like illness (ILI) in collaboration with the Division of Public Health and the Centers for Disease Control and Prevention. Data reported by ILINet providers, in combination with other influenza surveillance data, provides a national and statewide picture of influenza activity in the U.S.

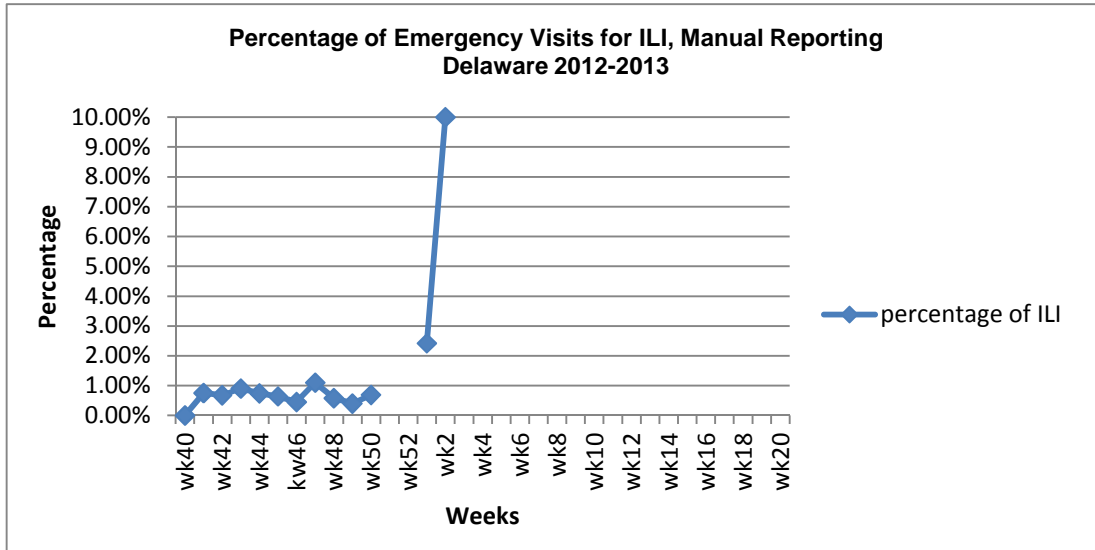
**Influenza-Like Illness Reported from ILINet Providers (9 of 19 Reporting)**



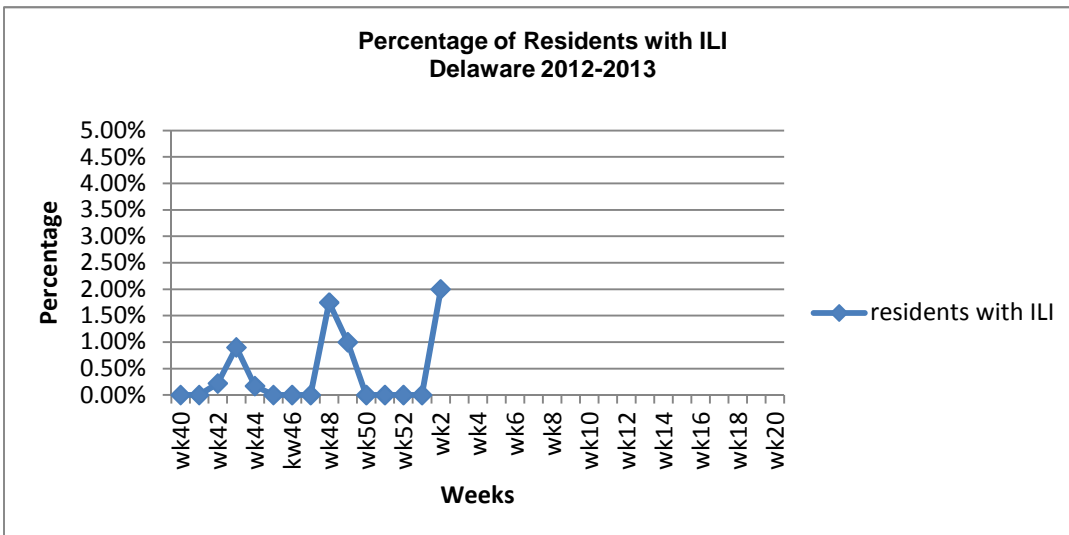
**Hospital (Electronic) Surveillance Data: 7 of 7 Hospitals Reporting - Al DuPont, Bayhealth (Kent, Milford, Beebe), CCHS, Wilmington and St. Francis.**



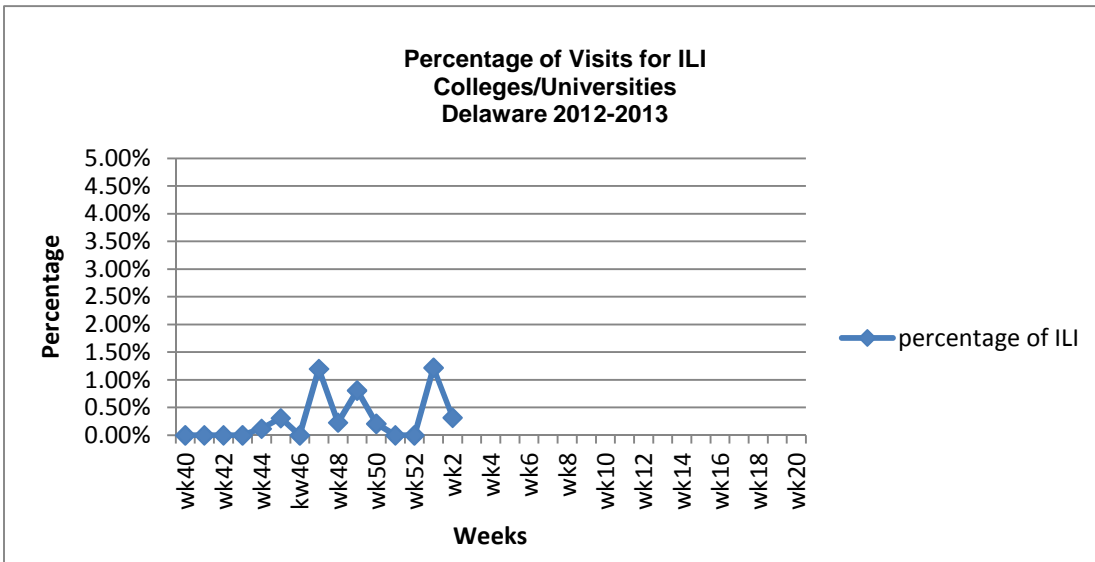
Hospital Manual Surveillance Data-Delaware 2012-2013: 2 of 2 reporting (Nanticoke Memorial Hospital)



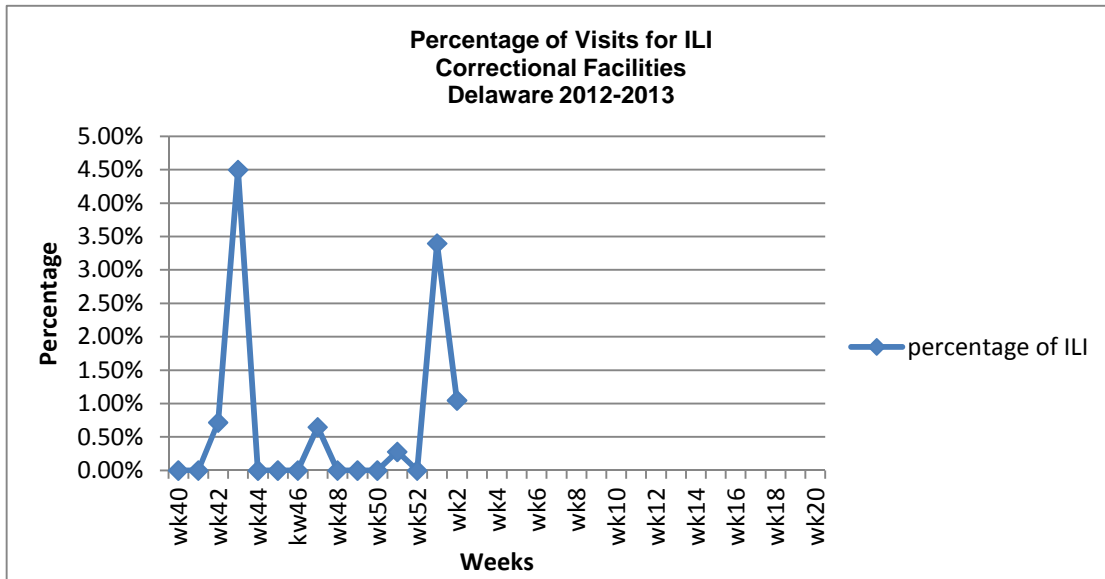
Influenza-Like Illness (ILI) reported by Long Term Care Facilities (LTCFs) – Delaware 2012-2013  
9 of 19 reporting



**Influenza-Like Illness (ILI) reported by Colleges/Universities–Delaware 2012-2013:  
2 of 3 schools reporting (University of Delaware and Delaware State University)**

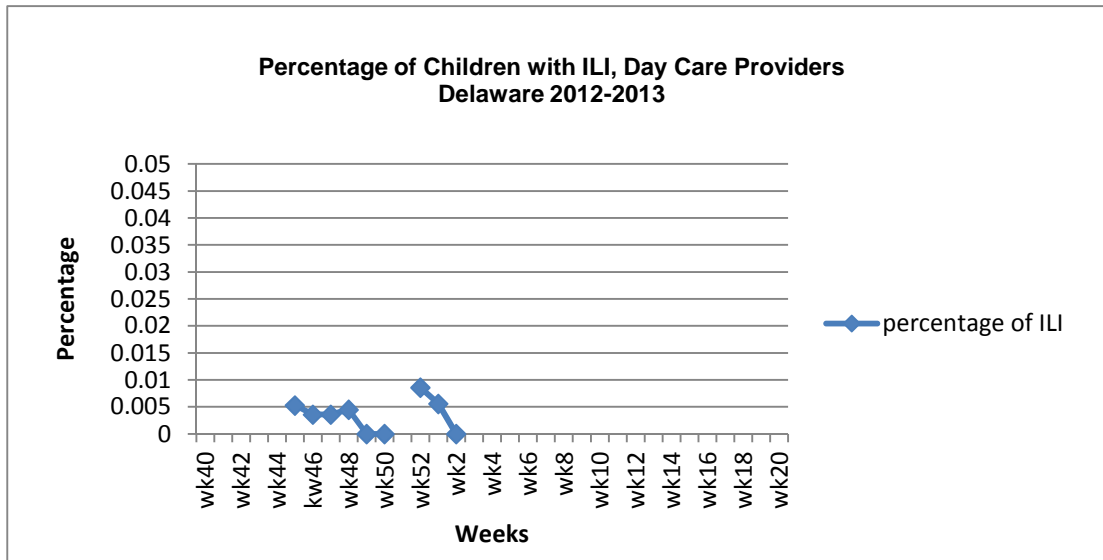


**Influenza-Like Illness (ILI) reported by Correctional Facilities–Delaware 2012-2013:  
5 of 10 reporting**



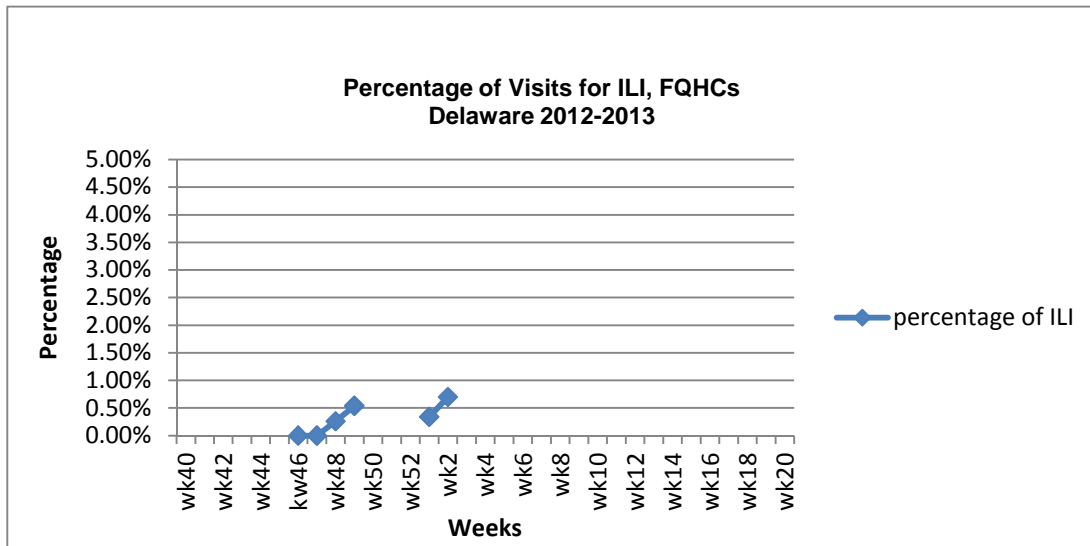
**Influenza-Like Illness (ILI) reported by Daycare Providers- Delaware 2012-2013:**

2 Of 15 reporting



**Influenza-Like Illness (ILI) reported by Federally Qualified Health Centers (FQHCs)-Delaware 2012-2013**

2 Of 2 reporting (Henrietta Johnson Medical Center and LARED)



The Division of Public Health is committed to serving you better. If you have not found the answers to your questions, please visit [flu.delaware.gov](http://flu.delaware.gov) or call (302)744-4704.