



Delaware Weekly Influenza Surveillance Report

Week 41 (October 10-16, 2010)

Delaware Division of Public Health

National Synopsis-2010-2011:

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

Delaware Influenza Surveillance-2010-2011:

† Influenza positive and confirmed cases reported during week 41, week ending October 16, 2010

| | Week 40 | Week 41 | Cumulative as of Week 41 |
|--|---------|---------|--------------------------|
| *Specimens positive for influenza | | | |
| Flu type A | | | |
| · A (H1N1) | 0 | 0 | 0 |
| · A (H3N2) | 1 | 0 | 1 |
| · A (Unsubtyped) | 0 | 0 | 0 |
| · A (not swine-like) | 0 | 0 | 0 |
| · A (Novel H1N1) | 0 | 0 | 0 |
| · B & Novel H1N1 (co-infections) | 0 | 0 | 0 |
| ❖ Flu type B | 0 | 0 | 0 |

| §§ Total Laboratory Confirmed Cases Stratified by County and Age Group | | | |
|---|---|---|---|
| Counties: | | | |
| New Castle | | | |
| · A (H1N1) | 0 | 0 | 0 |
| · A (H3N2) | 0 | 0 | 0 |
| · A (Unsubtyped) | 0 | 0 | 0 |
| · A (not swine-like) | 0 | 0 | 0 |
| · A (Novel H1N1) | 0 | 0 | 0 |
| · B & Novel H1N1 (co infection) | 0 | 0 | 0 |
| ❖ Flu Type B | 0 | 0 | 0 |
| Kent | | | |
| · A (H1N1) | 0 | 0 | 0 |
| · A (H3N2) | 0 | 0 | 0 |
| · A (Unsubtyped) | 0 | 0 | 0 |
| · A (not swine-like) | 0 | 0 | 0 |
| · A (Novel H1N1) | 0 | 0 | 0 |
| · B & Novel H1N1 (co infection) | 0 | 0 | 0 |
| ❖ Flu Type B | 0 | 0 | 0 |

| | Week 40 | Week 41 | Cumulative as of Week 41 |
|---------------------------------|---------|---------|-----------------------------|
| Sussex | | | |
| · A (H1N1) | 0 | 0 | 0 |
| · A (H3N2) | 1 | 0 | 1 |
| · A (Unsubtyped) | 0 | 0 | 0 |
| · A (not swine-like) | 0 | 0 | 0 |
| · A (Novel H1N1) | 0 | 0 | 0 |
| · B & Novel H1N1 (co infection) | 0 | 0 | 0 |
| ❖ Flu Type B | 0 | 0 | 0 |

| | | | |
|-------------------|---|---|---|
| New Castle | | | |
| <u>Age Range:</u> | | | |
| ▪ 0-4 yrs | 0 | 0 | 0 |
| ▪ 5-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |
| Kent | | | |
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 0 | 0 | 0 |
| ▪ 5-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |
| Sussex | | | |
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 1 | 0 | 1 |
| ▪ 5-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |

| Total in Delaware | Week 40 | Week 41 | Cumulative as of Week 41 |
|-------------------|---------|---------|-----------------------------|
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 1 | 0 | 1 |
| ▪ 5-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |

| Hospitalization (s) Stratified by County and Age Group | | | |
|---|----------------|----------------|---------------------------------|
| | Week 40 | Week 41 | Cumulative as of Week 41 |
| New Castle | | | |
| <u>Age Range:</u> | | | |
| ▪ 0-4 yrs | 0 | 0 | 0 |
| ▪ 5-18 yrs | 0 | 0 | 0 |
| ▪ 19-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |
| Kent | | | |
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 0 | 0 | 0 |
| ▪ 5-18 yrs | 0 | 0 | 0 |
| ▪ 19-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |
| Sussex | | | |
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 1 | 0 | 1 |
| ▪ 5-18 yrs | 0 | 0 | 0 |
| ▪ 19-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |

| Total in Delaware | Week 40 | Week 41 | Cumulative as of Week 41 |
|--------------------------|----------------|----------------|---------------------------------|
| <u>Age Range</u> | | | |
| ▪ 0-4 yrs | 1 | 0 | 1 |
| ▪ 5-18 yrs | 0 | 0 | 0 |
| ▪ 19-24 yrs | 0 | 0 | 0 |
| ▪ 25-49 yrs | 0 | 0 | 0 |
| ▪ 50-64 yrs | 0 | 0 | 0 |
| ▪ 65+ yrs | 0 | 0 | 0 |

| | Week 40 | Week 41 | Cumulative as of Week 41 |
|--------|----------------|----------------|---------------------------------|
| Deaths | 0 | 0 | 0 |

| Annual Seasonal Flu Case Totals | |
|---------------------------------|--------|
| 2004 | 995 |
| 2005 | 541 |
| 2006 | 508 |
| 2007 | 1401 |
| 2008 | 738 |
| 2009-2010 | 2, 247 |
| 2010-2011 | 1 |

* Based on patients with positive nucleic acid and viral culture test results reported to the Division of Public Health.

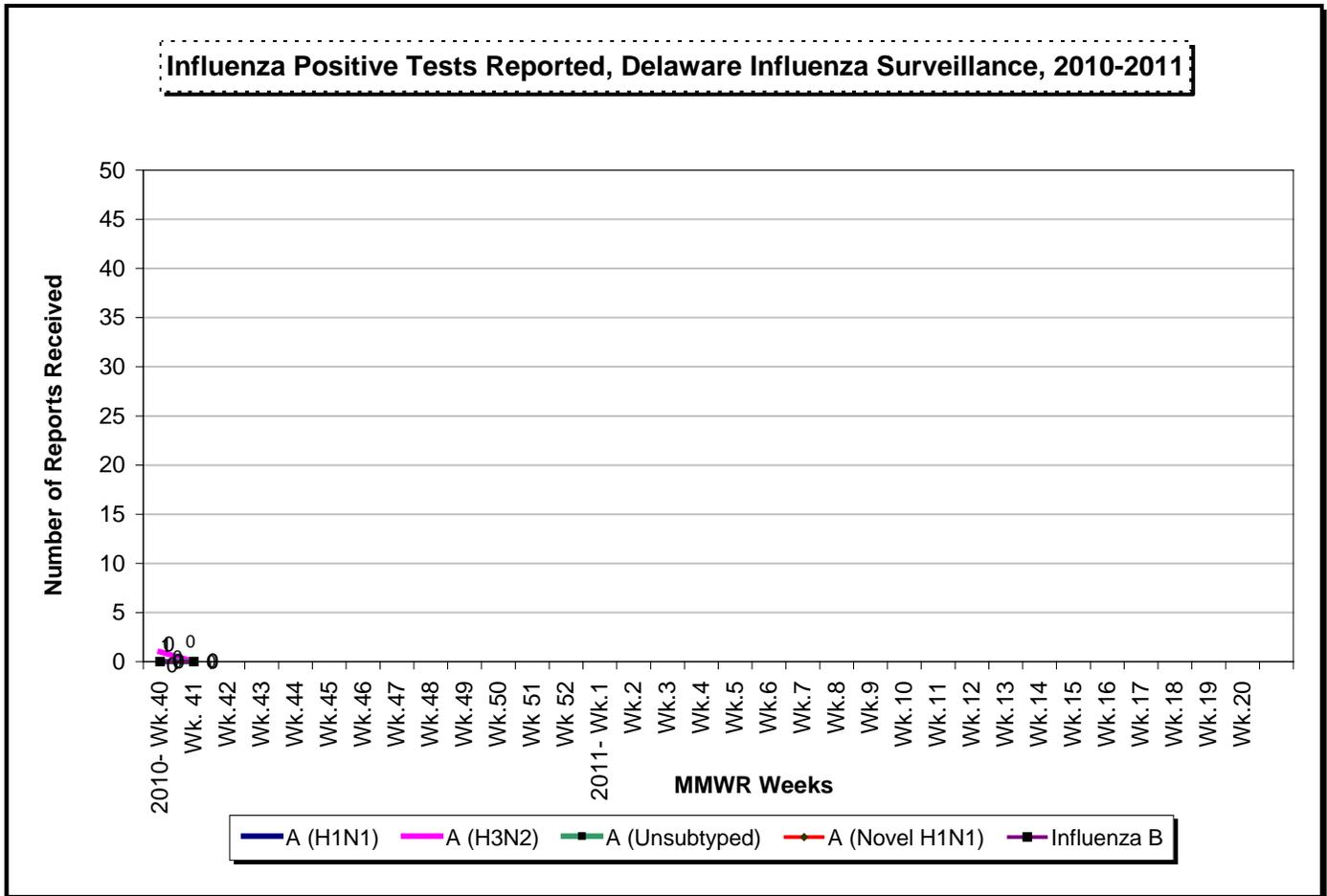
† Reports are by date of specimen collection, not the date the results are obtained. As a result, prior weeks may be adjusted to reflect additional cases.

§§ Confirmed Influenza cases from all reporting source (including State Lab)

NOTE: The data provided may not be a true reflection of the total number of people who have been infected with influenza virus (including H1N1) in Delaware, chiefly due to the following:

- Many people ill with influenza-like symptoms do not seek medical care; and
- Many who do seek medical care are not tested for influenza.

Influenza Viruses Tested and Confirmed Delaware 2010-2011



**** All data is preliminary and is subject to change as more reports are received.**

Level of Activity:

| | |
|--|--|
| No Activity | <p>➔ No laboratory confirmed cases of influenza and no increase in the number reports of ILI above regional baseline for the season.</p> |
| <p>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.</p> | |

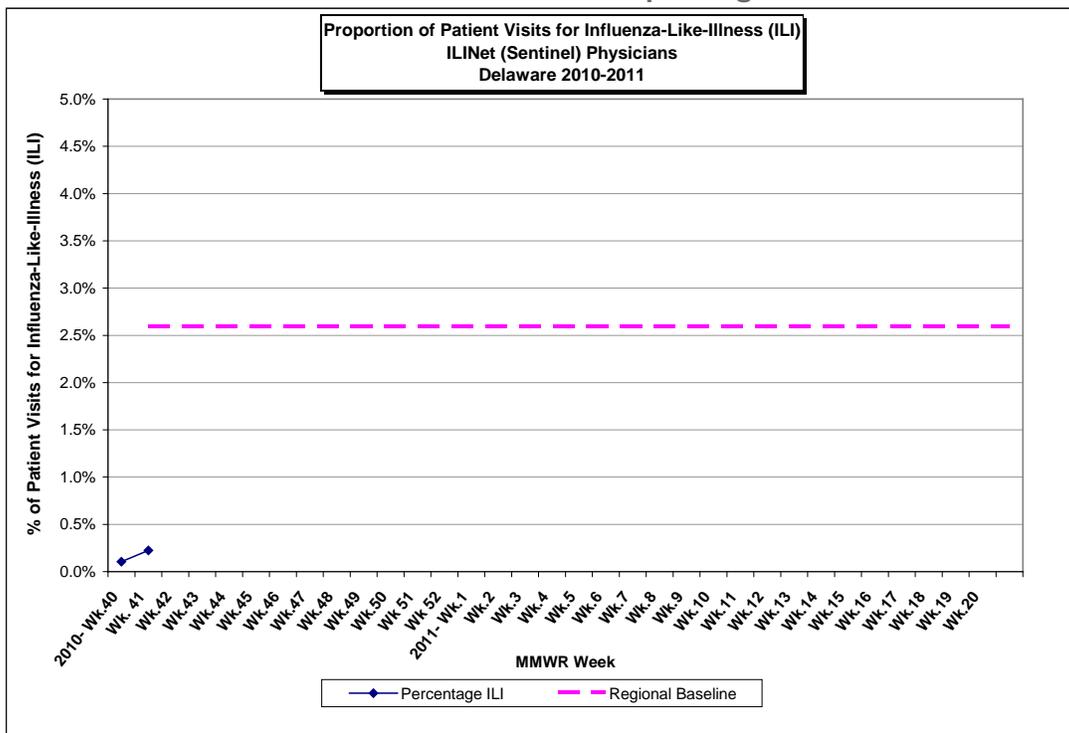
- ➔ **No Activity:** No laboratory confirmed cases of influenza and no increase in the number reports of ILI above regional baseline for the season.
- ➔ **Sporadic:** Isolated laboratory confirmed cases OR a laboratory confirmed outbreak in one institution but no increase in reports of ILI from the regional 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.

**** 2010-2011 Region 3 (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia & West Virginia) baseline= 2.6%.**

ILINet (Sentinel) Provider Surveillance Network:

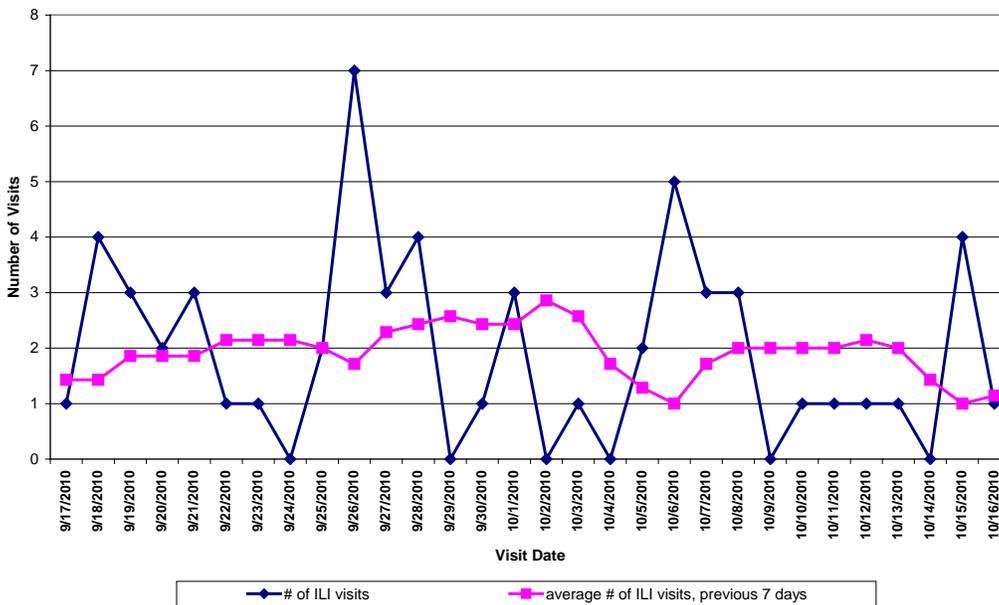
An ILINet (Sentinel) provider conducts surveillance for influenza-like illness (ILI) in collaboration with the state health department and the Centers for Disease Control and Prevention. Data reported by ILINet (Sentinel) providers, in combination with other influenza surveillance data, provide a national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

**Influenza-like illness reported from ILINet (Sentinel) Providers-Delaware 2010-2011
10 of 17 Sentinels reporting**

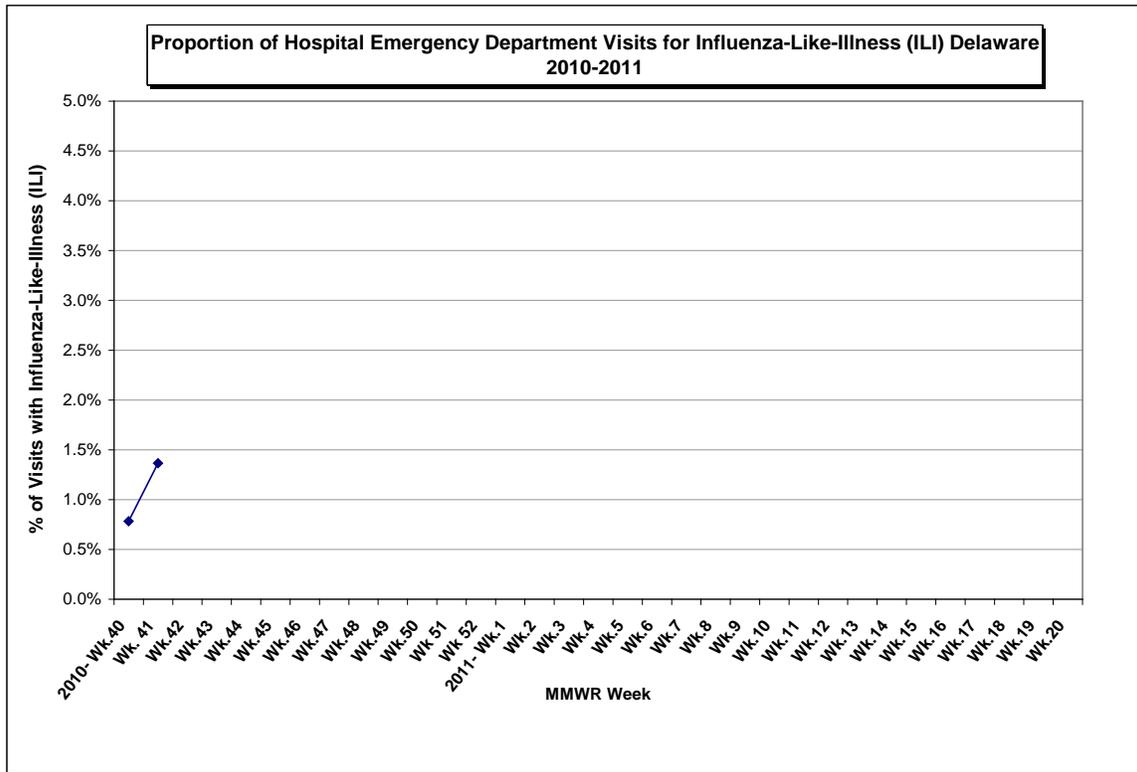


**Hospital Electronic Surveillance Data-Delaware 2010-2011
5 of 5 Hospitals**

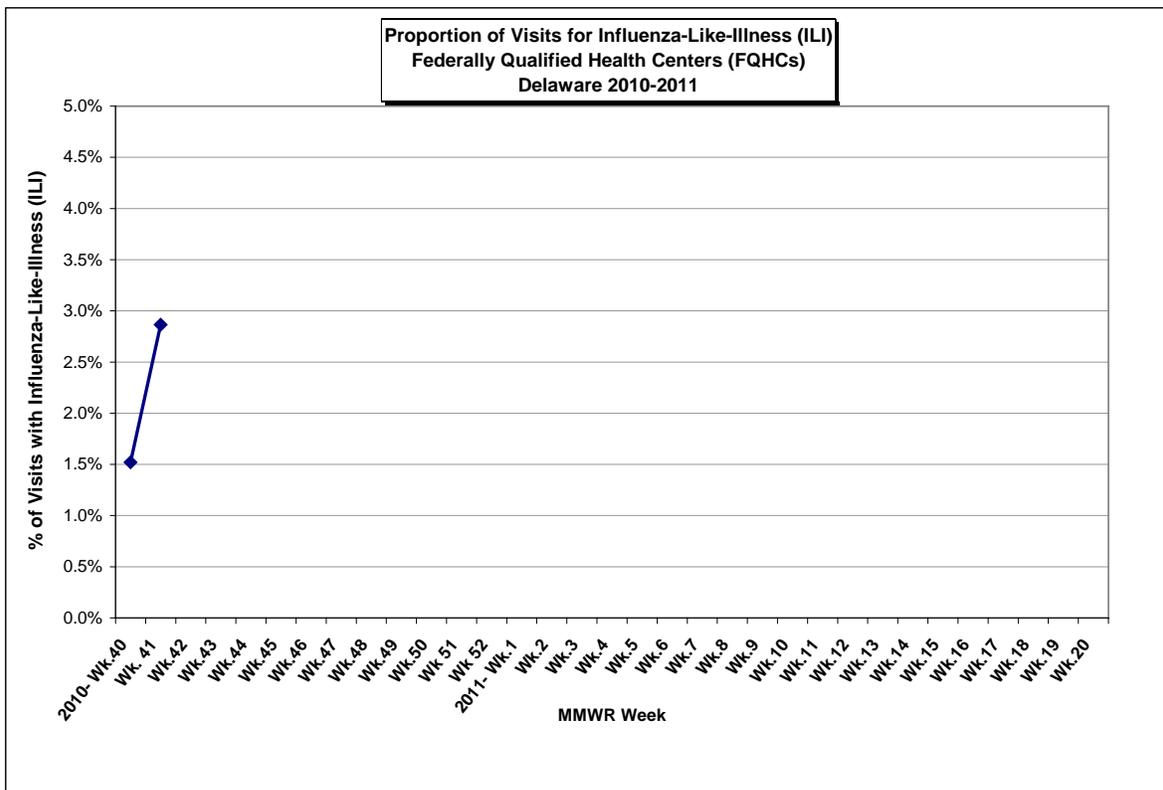
Influenza-Like-Illness (ILI) Visits to Hospital Emergency Departments
(Hospitals reporting electronically: Bayhealth-Kent, BayHealth-Milford, Beebe, Christiana, Wilmington)



Hospital Manual Surveillance Data-Delaware 2010-2011
 3 of 3 hospitals reporting
 (A.I. DuPont, Nanticoke, St. Francis)



Influenza-like illness reported from Federally Qualified Health Centers (FQHC)-Delaware
 2010-2011
 2 of 2 reporting
 (Henrietta Johnson Medical Center, LaRed Health Center)

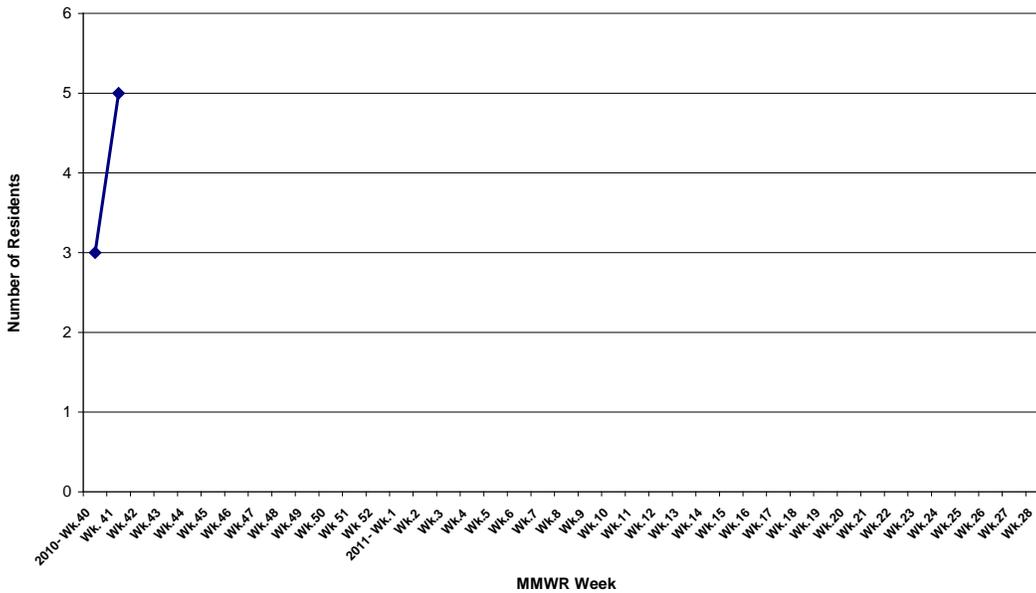


Influenza-like illness reported from Dover Air Force Base (DAFB)-Delaware 2010-2011
Active Duty & Dependents

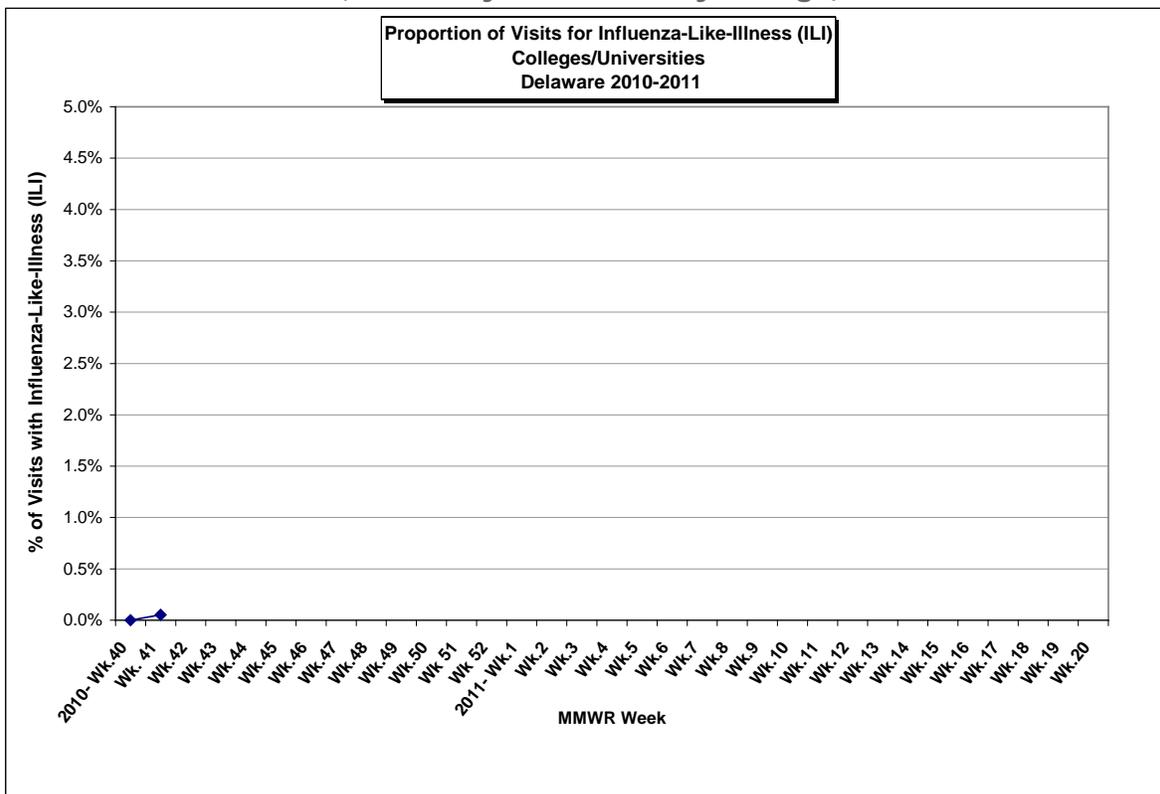
No report for Week 41

Influenza-like illness reported from Long-Term Care Facilities (LTC)-Delaware 2010-2011
9 of 18 facilities reporting

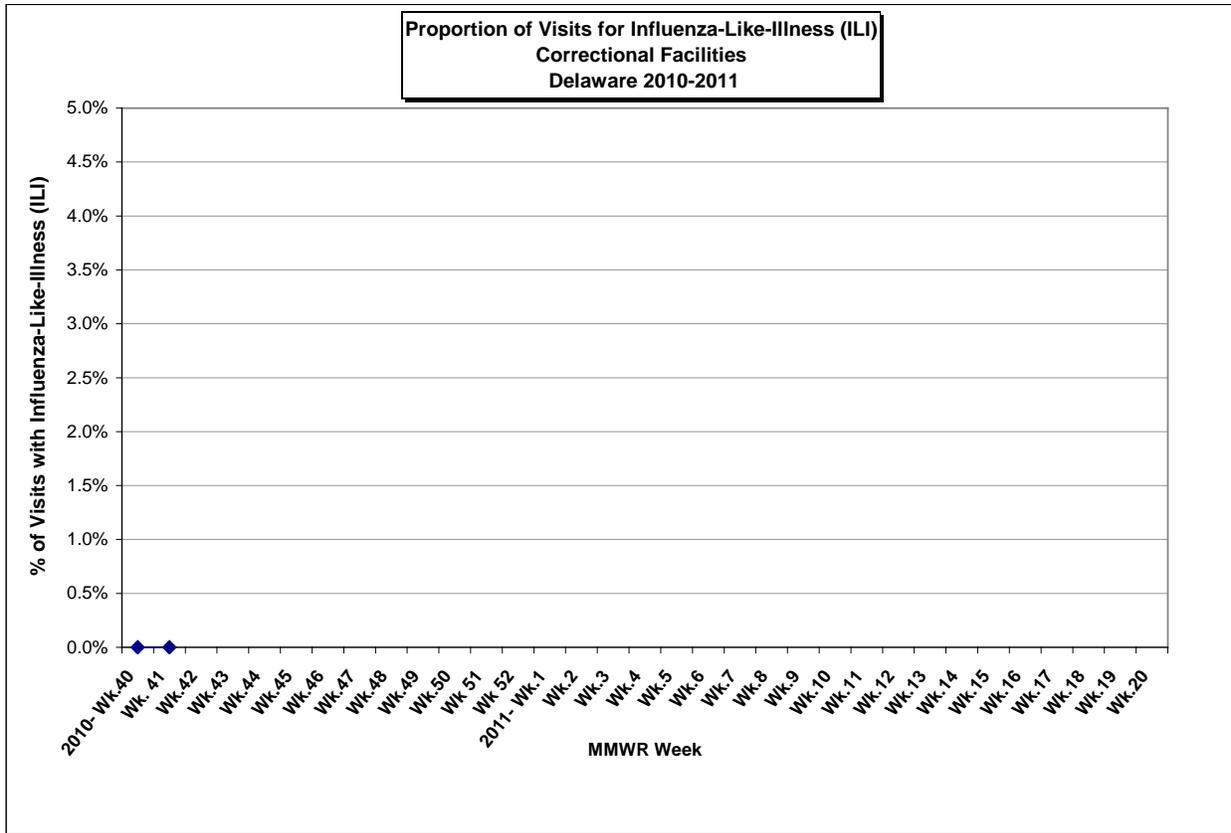
Number of Residents with Influenza-Like-Illness (ILI)
Long-Term Care Facilities
Delaware 2010 - 2011



Influenza-like illness reported from Colleges/Universities-Delaware 2010-2011
2 of 3 reporting
(University of DE, Wesley College)

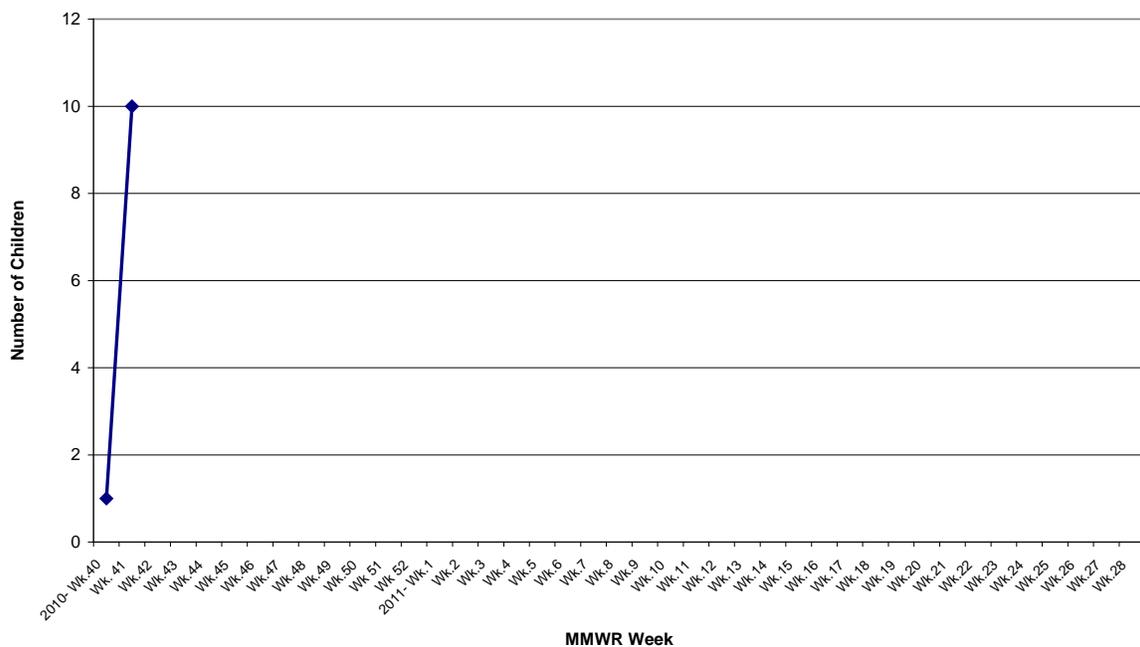


Influenza-like illness reported from DE Correctional Facilities-Delaware 2010-2011
 2 of 4 facilities reporting
 (Howard Young, Sussex Correctional)



Influenza-like illness reported from Daycare Providers-Delaware 2010-2011
 7 of 15 providers reporting

**Number of Children with Influenza-Like-Illness (ILI)
 Reported by Daycare Providers
 Delaware 2010 - 2011**



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 or call (302) 744- 4704.