



# Delaware Weekly Influenza Surveillance Report

Week 42 (October 17-23, 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 42 (Week ending October 23, 2010)

	Week 41	Week 42	Cumulative as of Week 42
<b>*Specimens positive for influenza</b>			
<b>Flu type A</b>			
· A (H1N1)	0	0	0
· A (H3N2)	1	0	2
· 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
<b>❖ Flu type B</b>	0	0	0

### §§ Total Laboratory Confirmed Cases Stratified by County and Age Group

<b>Counties:</b>			
<b>New Castle</b>			
· 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
<b>❖ Flu Type B</b>	0	0	0
<b>Kent</b>			
· 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
<b>❖ Flu Type B</b>	0	0	0

	Week 41	Week 42	Cumulative as of Week 42
Sussex			
· A (H1N1)	0	0	0
· A (H3N2)	0	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	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
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	0	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 41	Week 42	Cumulative as of Week 42
<u>Age Range</u>			
▪ 0-4 yrs	1	0	2
▪ 5-24 yrs	0	0	0
▪ 25-49 yrs	0	0	0
▪ 50-64 yrs	0	0	0
▪ 65+ yrs	0	0	0

<b>Hospitalization (s) Stratified by County and Age Group</b>			
	<b>Week 41</b>	<b>Week 42</b>	<b>Cumulative as of Week 42</b>
<b>New Castle</b>			
<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
<b>Kent</b>			
<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
<b>Sussex</b>			
<u>Age Range</u>			
▪ 0-4 yrs	0	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

<b>Total in Delaware</b>	<b>Week 41</b>	<b>Week 42</b>	<b>Cumulative as of Week 42</b>
<u>Age Range</u>			
▪ 0-4 yrs	1	0	2
▪ 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

	<b>Week 40</b>	<b>Week 41</b>	<b>Cumulative as of Week 41</b>
Deaths	0	0	0

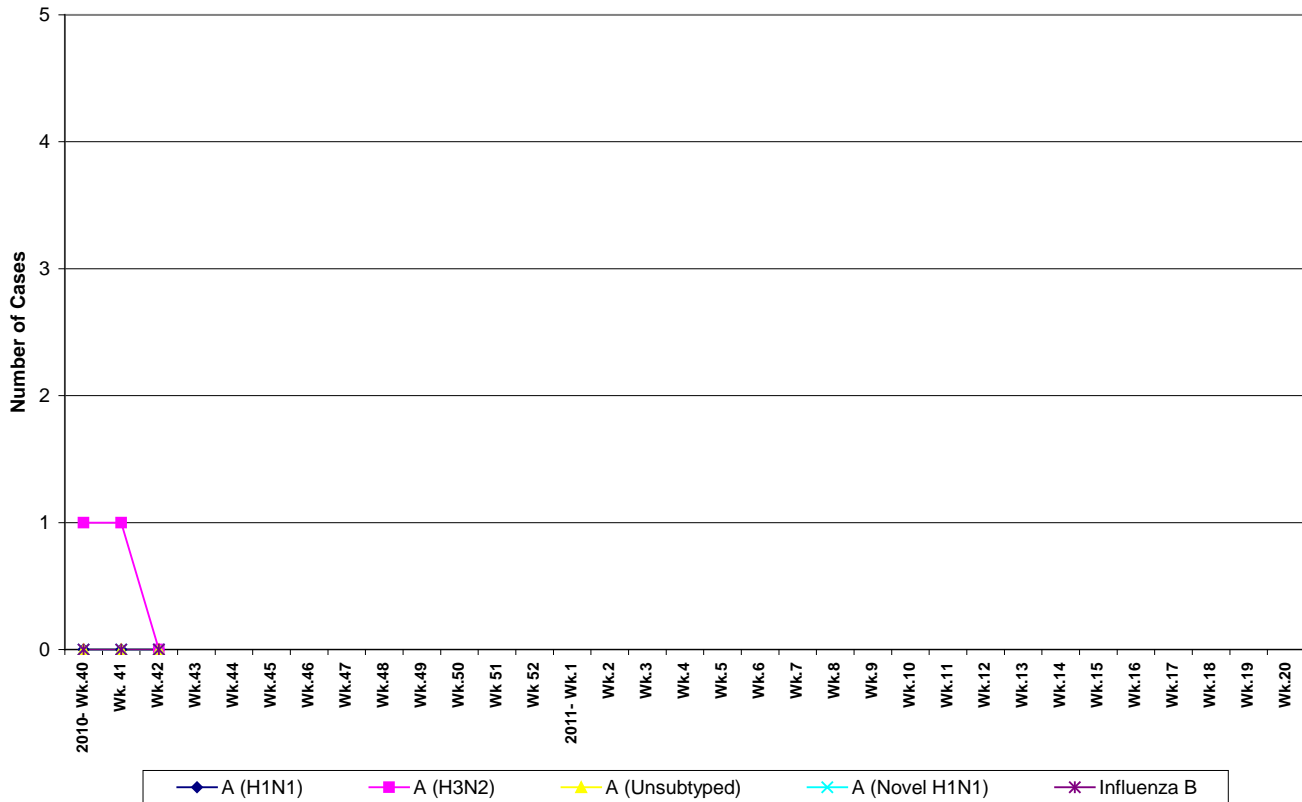
Annual Seasonal Flu Case Totals	
2004	995
2005	541
2006	508
2007	1401
2008	738
2009-2010	2, 247
2010-2011	2

- \* 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.

**Number of Influenza Cases by Influenza Subtype  
Delaware 2010 - 2011**



## Level of Influenza Activity in Delaware, Week 42:

### No Activity

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

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.

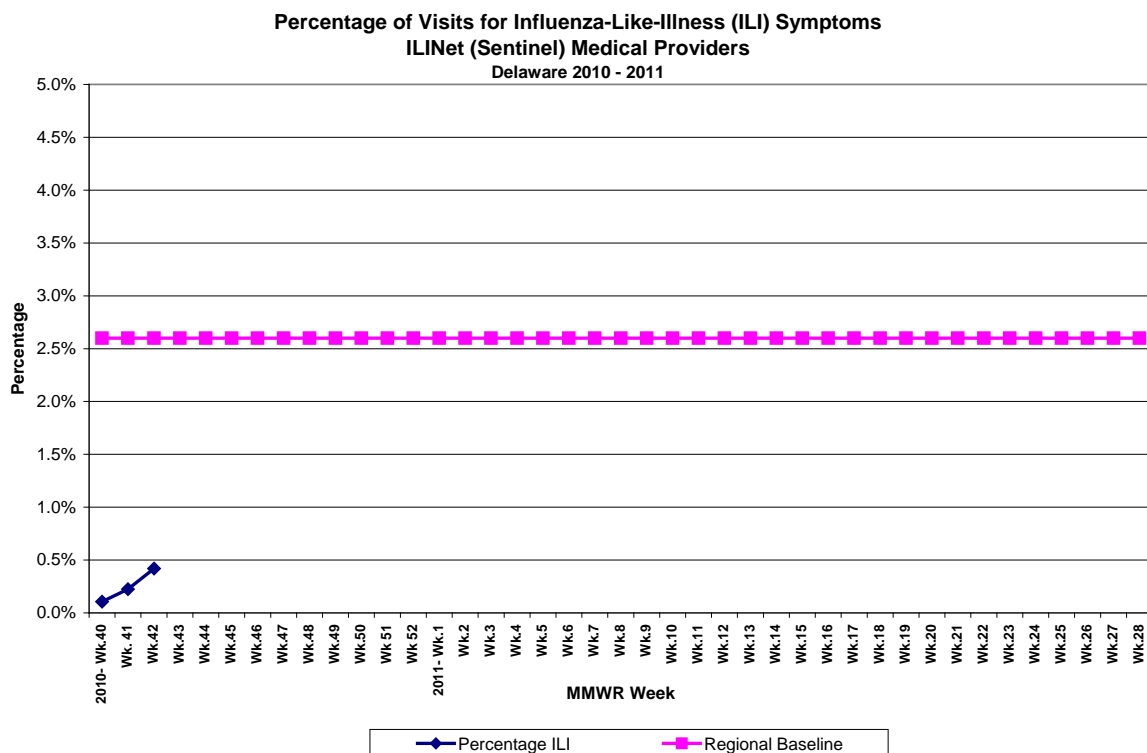
- ➔ **No Activity:** No laboratory confirmed cases of influenza and no increase in the number of reports of ILI above regional baseline for the season.
- ➔ **Sporadic:** Isolated laboratory confirmed cases OR a laboratory confirmed outbreak in one institution but no increase in reports of ILI from the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

\*\* 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.

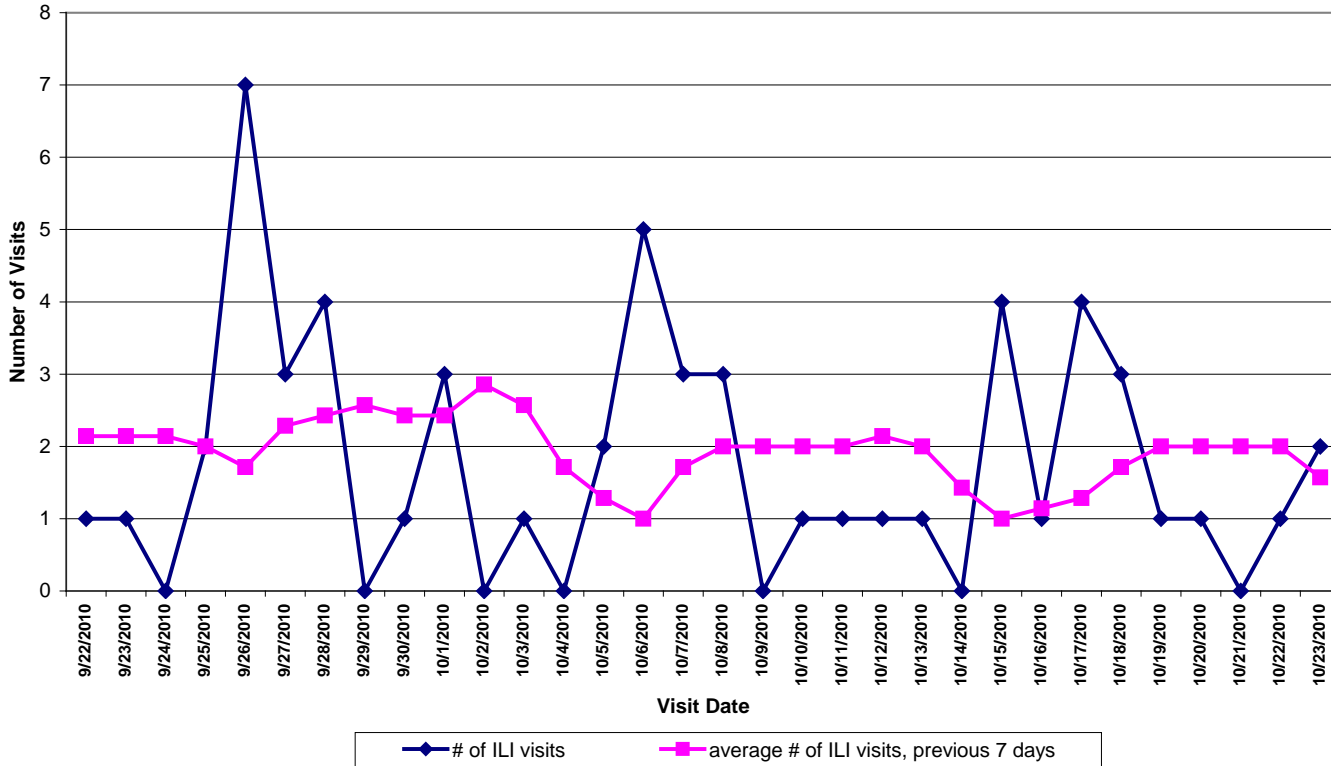
### Influenza-like illness reported from ILINet (Sentinel) Providers-Delaware 2010-2011 11 of 17 Sentinels reporting



# Hospital Electronic Surveillance Data-Delaware 2010-2011

5 of 5 Hospitals

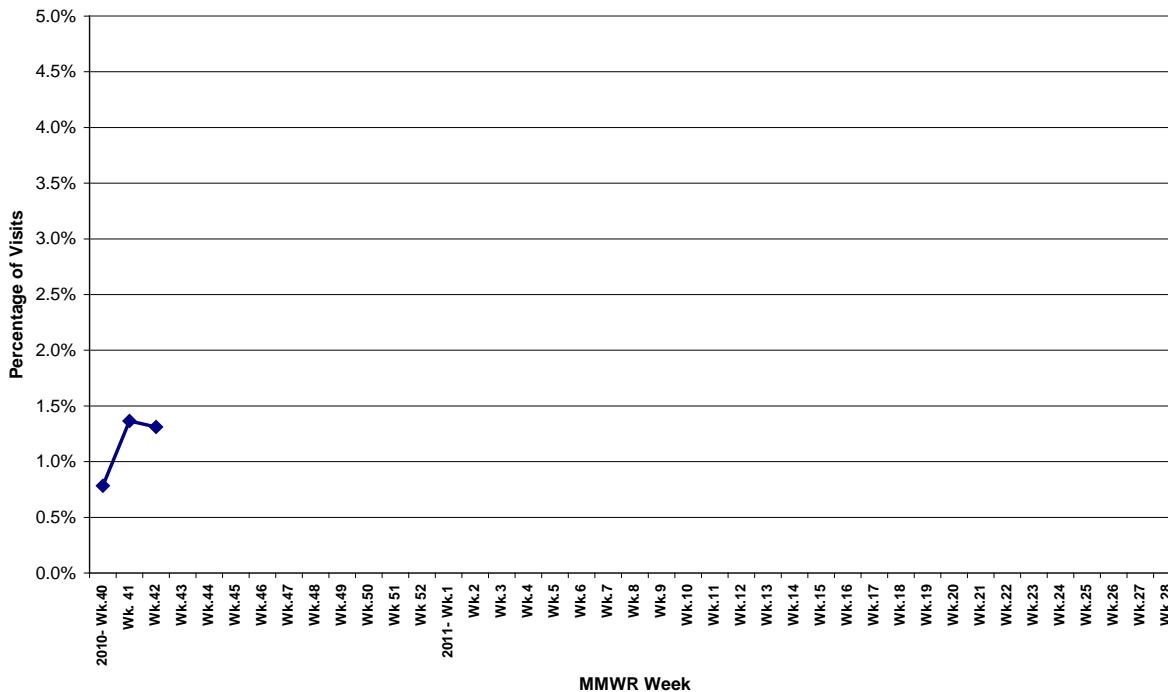
## Influenza-Like-Illness (ILI) Visits to Hospital Emergency Departments (Hospitals reporting electronically: BayHealth-Kent, BayHealth-Milford, Beebe, Christiana, Wilmington)



# Hospital Manual Surveillance Data-Delaware 2010-2011

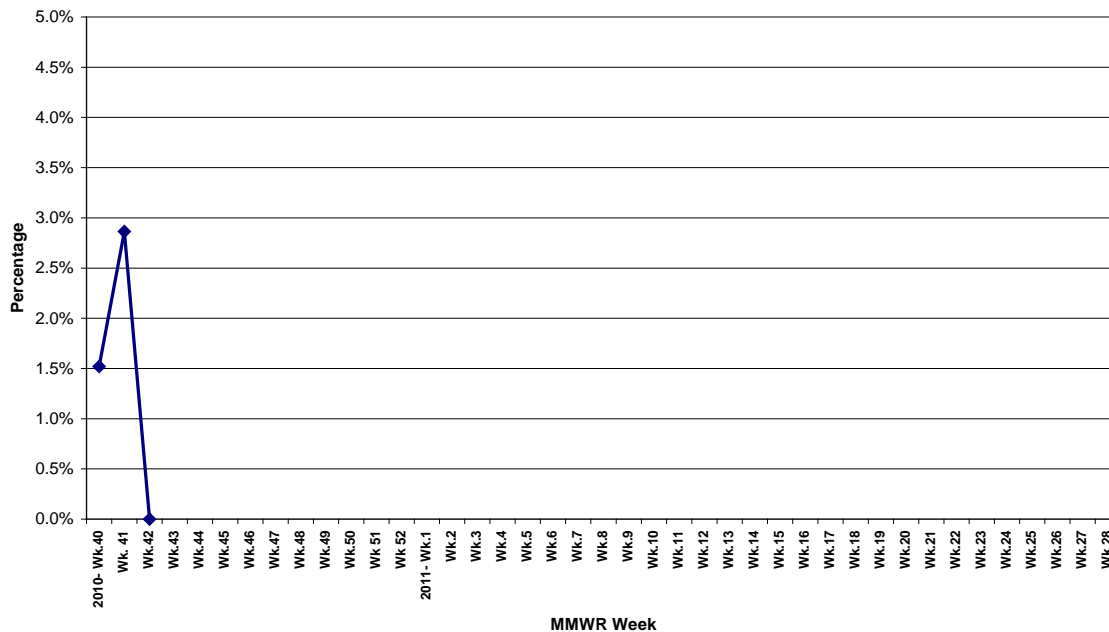
3 of 3 hospitals reporting

## Percentage of Emergency Department Visits with Influenza-Like-Illness (ILI) Symptoms (Hospitals Reporting Manually: Al Dupont, Nanticoke, St. Francis)



**Influenza-like illness reported from Federally Qualified Health Centers (FQHC)-Delaware  
2010-2011  
1 of 2 reporting  
(LaRed Health Center)**

**Percentage of Visits for Influenza-Like-Illness (ILI) Symptoms  
Federally Qualified Health Centers  
Delaware 2010 - 2011**

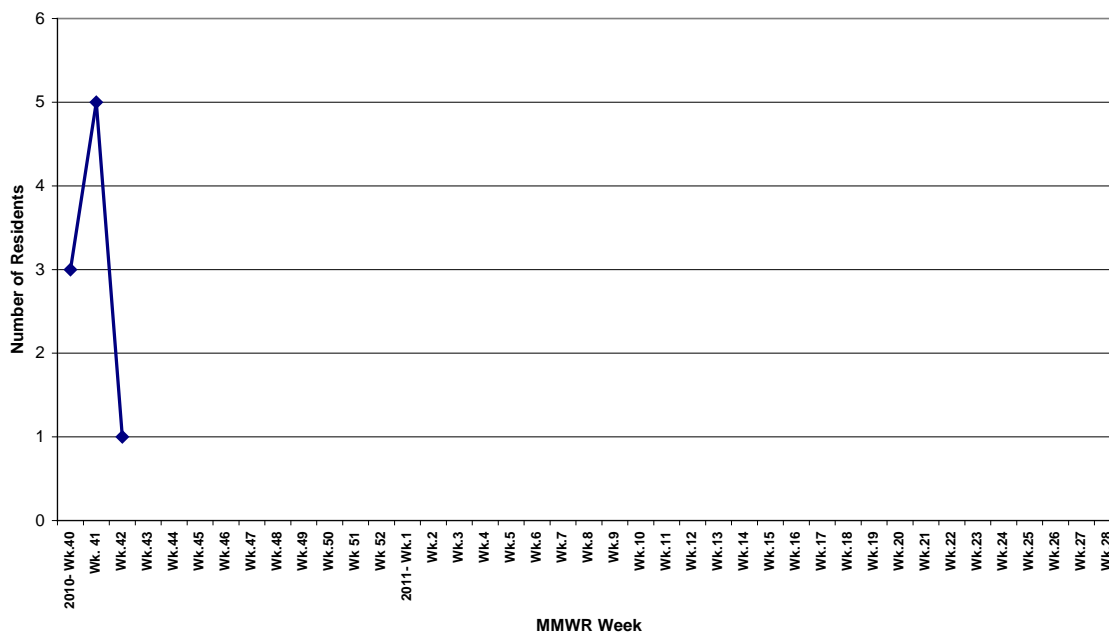


**Influenza-like illness reported from Dover Air Force Base (DAFB)-Delaware 2010-2011  
Active Duty & Dependents**

No report for Week 42

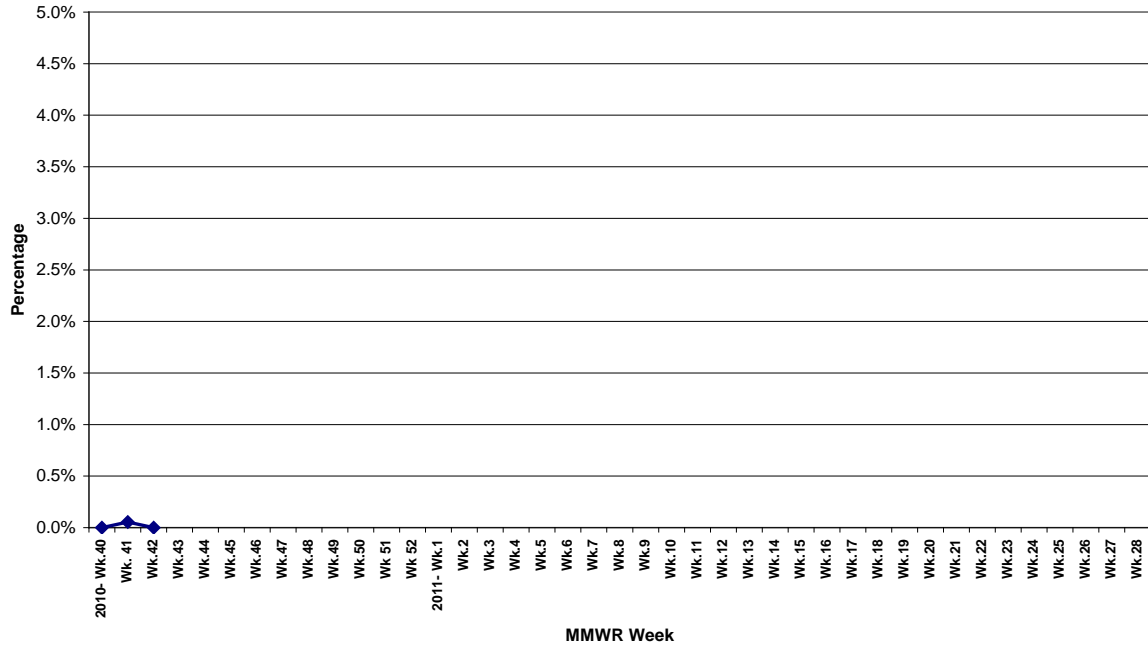
**Influenza-like illness reported from Long-Term Care Facilities (LTC)-Delaware 2010-2011  
13 of 18 facilities reporting**

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



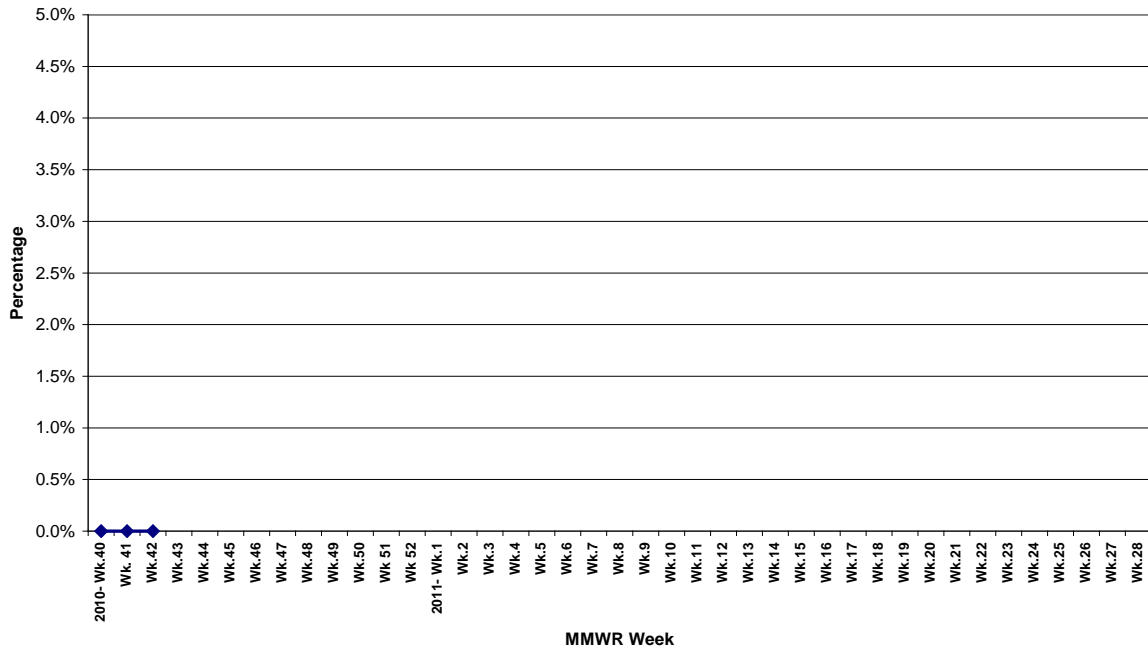
Influenza-like illness reported from Colleges/Universities-Delaware 2010-2011  
 2 of 3 reporting  
 (University of DE, Wesley College)

Percentage of Visits for Influenza-Like-Illness (ILI) Symptoms  
 Colleges & Universities  
 Delaware 2010 - 2011



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

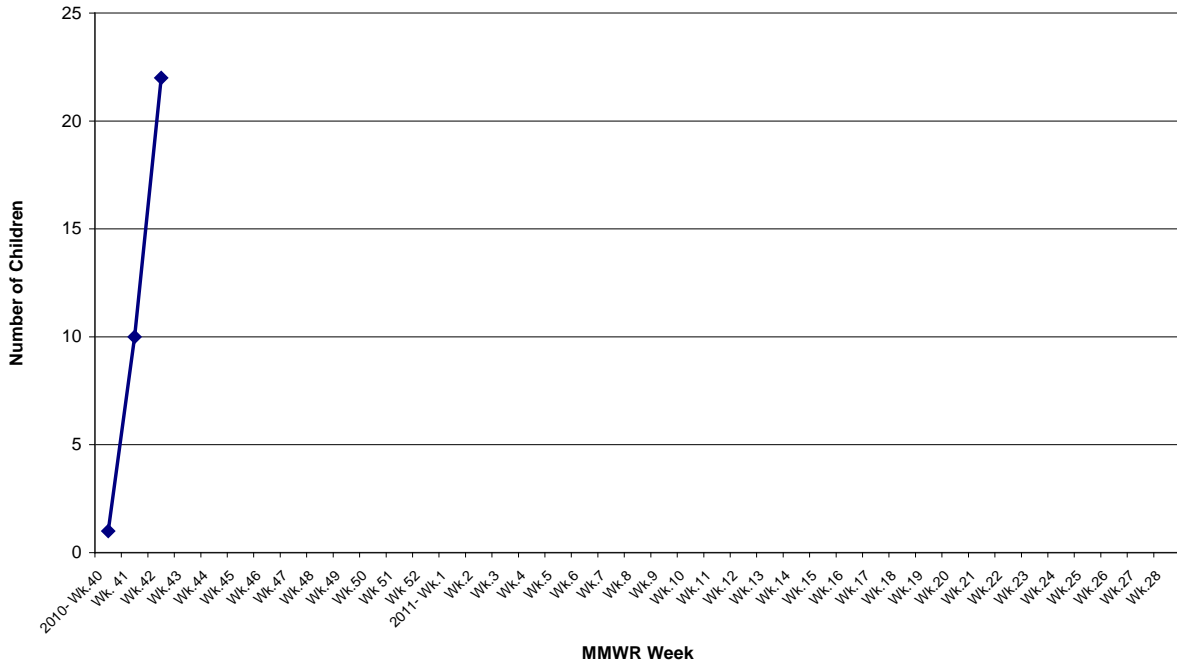
Percentage of Visits for Influenza-Like-Illness (ILI) Symptoms  
 Correctional Facilities  
 Delaware 2010 - 2011





Influenza-like illness reported from Daycare Providers-Delaware 2010-2011  
10 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](http://flu.delaware.gov) or call (302) 744- 4704.