

**Ohio Seasonal Influenza and Influenza-like Illness Surveillance
2009-2010 Season, beginning August 30, 2009**

MMWR Week 42
October 18-24, 2009

Media Talking Points

Activity Level: **Widespread Activity**

- Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

Summary: Public health surveillance data sources indicate marked increases in confirmed influenza-associated hospitalizations in the past few weeks, and the percentage of emergency department visits with patients exhibiting constitutional symptoms has increased for the tenth consecutive week.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 7.87% of patients had ILI signs and symptoms. Influenza-like Illness is defined as a fever ($\geq 100^{\circ}$ F), **and** cough and/or sore throat. Temperature can be measured in the physician's office or at home.
- Over-the-counter (OTC) sales experienced a statistically significant deviation from the expected in six regions.
- Emergency department visits experienced a statistically significant deviation from the expected in seven regions.
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1 (total through 10/26/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 10/26/09).
- Three pediatric influenza-associated mortality reports have been reported in the 2009-2010 season: one from Cuyahoga County, one from Franklin County, and one from Warren County. Each of these mortalities had confirmed pandemic (H1N1) 2009 infection (through 10/26/09).
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 1010, of which 401 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 10/27/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 1860, of which 559 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 10/28/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths: 15

National Surveillance Data:

- During week 41 (October 11-17, 2009), influenza activity increased in the U.S.
- Nationwide during week 41, 7.1% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This percentage is above the national baseline of 2.3%. All 10 regions reported ILI above region-specific baseline levels.

- During week 41, 6.9% of all deaths reported through the 122-Cities Mortality Reporting System were due to pneumonia and influenza (P & I). This percentage was above the epidemic threshold of 6.6% for week 41. Including week 41, P & I mortality has been above threshold for three consecutive weeks.

Analysis Considerations:

- Influenza-associated hospitalization became a reportable condition on 1/1/09. Therefore, only cases that were entered after 1/1/09 will be considered for analysis purposes.

National activity levels and more information can be found at the following CDC pages:

- <http://www.cdc.gov/flu/weekly/usmap.htm>
- <http://www.cdc.gov/flu/>

If you have any further questions or comments about surveillance for seasonal influenza for the State of Ohio, please contact Shannon Page at Shannon.Page@odh.ohio.gov or by telephone at (614) 466-0456.

2009-10 Season Cumulative Influenza Results reported by ODH Lab by County*

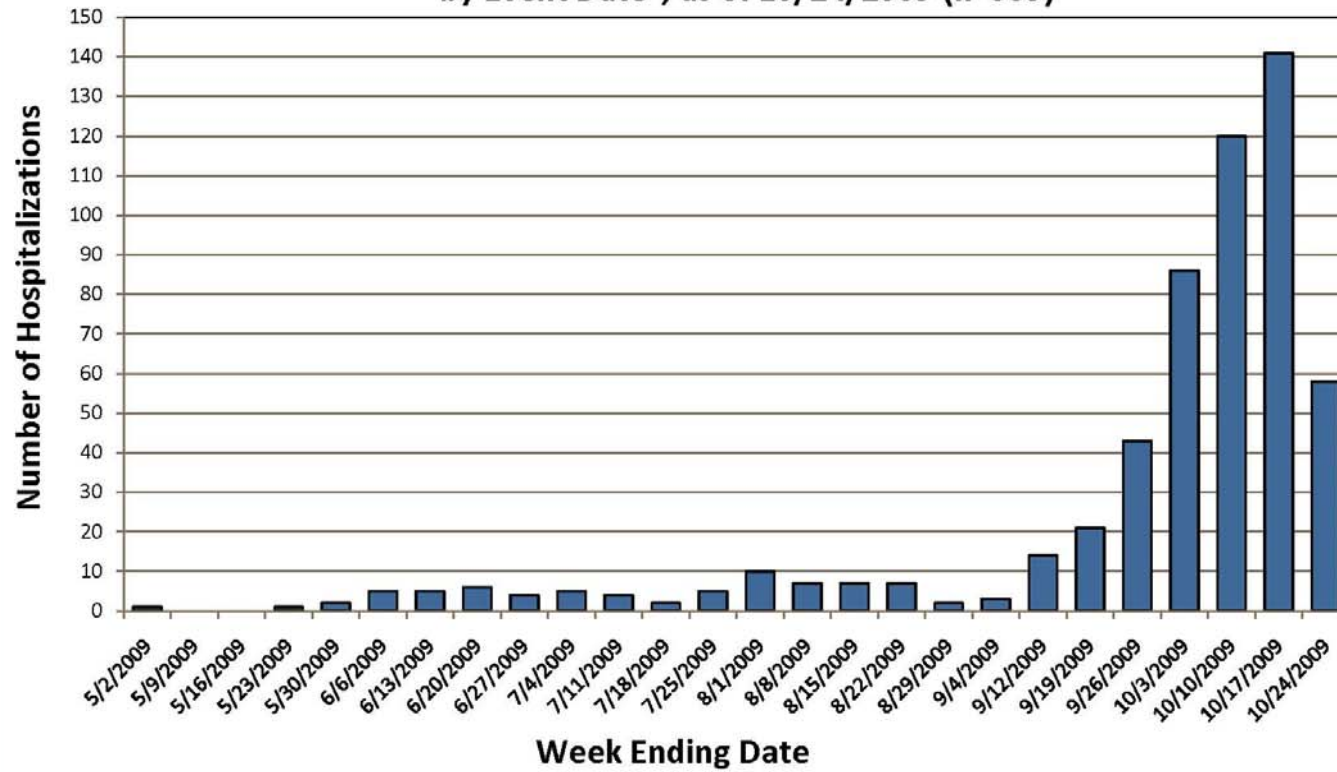
County		# Culture B	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Adams										
Allen						10		12		22
Ashland								3		3
Athens						2		3		5
Auglaize						4		2		6
Brown						3				3
Butler						1		1		2
Champaign								3	1	4
Clark						22		30		52
Clermont								1		1
Columbiana						4		18	1	23
Crawford						10		9	2	21
Cuyahoga						79		32	2	113
Darke								2		2
Defiance						1		2	3	6
Delaware						2		2		4
Erie						4				4
Fairfield						2		3		5
Fayette								1		1
Franklin						98		216	1	315
Fulton						2		3		5
Gallia						4		1		5
Greene						4		2		6
Hamilton						15		3	3	21
Hancock								5		5

County	# Culture A/(H1N1)	# Culture B/Malaysia-like	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Richland						4		4	2	10
Ross						4		10	1	15
Sandusky						1				1
Scioto						3				3
Shelby								2		2
Stark						6		8		14
Summit						13		39		52
Trumbull						4				4
Tuscarawas						1		2		3
Union						2		1		3
Van Wert								1		1
Warren										
Washington						7		3		10
Wayne						1				1
Williams								4		4
Wood										
Wyandot						1		1		2
Out of State										
Unknown						2			1	3
Season Totals			1			418		543	44	1006

*Please note:

- Lab data is based on county of provider that submitted specimen.
- Data is from tests conducted at the ODH lab (commercial lab results are not included).
- Cases classified as 'Not a Case' may not have associated lab results.

**Confirmed Pandemic (H1N1) 2009 Influenza-related Hospitalizations,
by Event Date*, as of 10/24/2009 (n=559)**



Data Source: Ohio Disease Reporting System, data pulled 10/28/09 at 5:30 pm
 *Event date is the first date associated with the case, usually date of illness onset.