

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

MMWR Week 45
November 8-14, 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 continued elevated levels of confirmed influenza-associated hospitalizations and influenza-like illness from sentinel providers. The percentage of emergency department visits with patients exhibiting constitutional symptoms has decreased for the third consecutive week.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 3.73% 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 two regions.
- Emergency department visits experienced a statistically significant deviation from the expected in five regions.
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1, (1) influenza A/H3 (total through 11/16/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 11/16/09).
- Six confirmed influenza-associated pediatric mortality reports have been reported in the 2009-2010 season: one from Athens County, three from Cuyahoga County, one from Franklin County, and one from Warren County. Three of these mortalities had confirmed pandemic (H1N1) 2009 infection (through 11/16/09).
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 2450, of which 1106 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 11/17/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 3228, of which 1227 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 11/18/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths among hospitalized patients: 30

National Surveillance Data:

- During week 44 (November 1-7, 2009), influenza activity decreased slightly in the U.S.
- Nationwide during week 44, 6.7% 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 44, 7.7% 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 6.8% for week 44. Including week 44, P & I mortality has been above threshold for six 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*

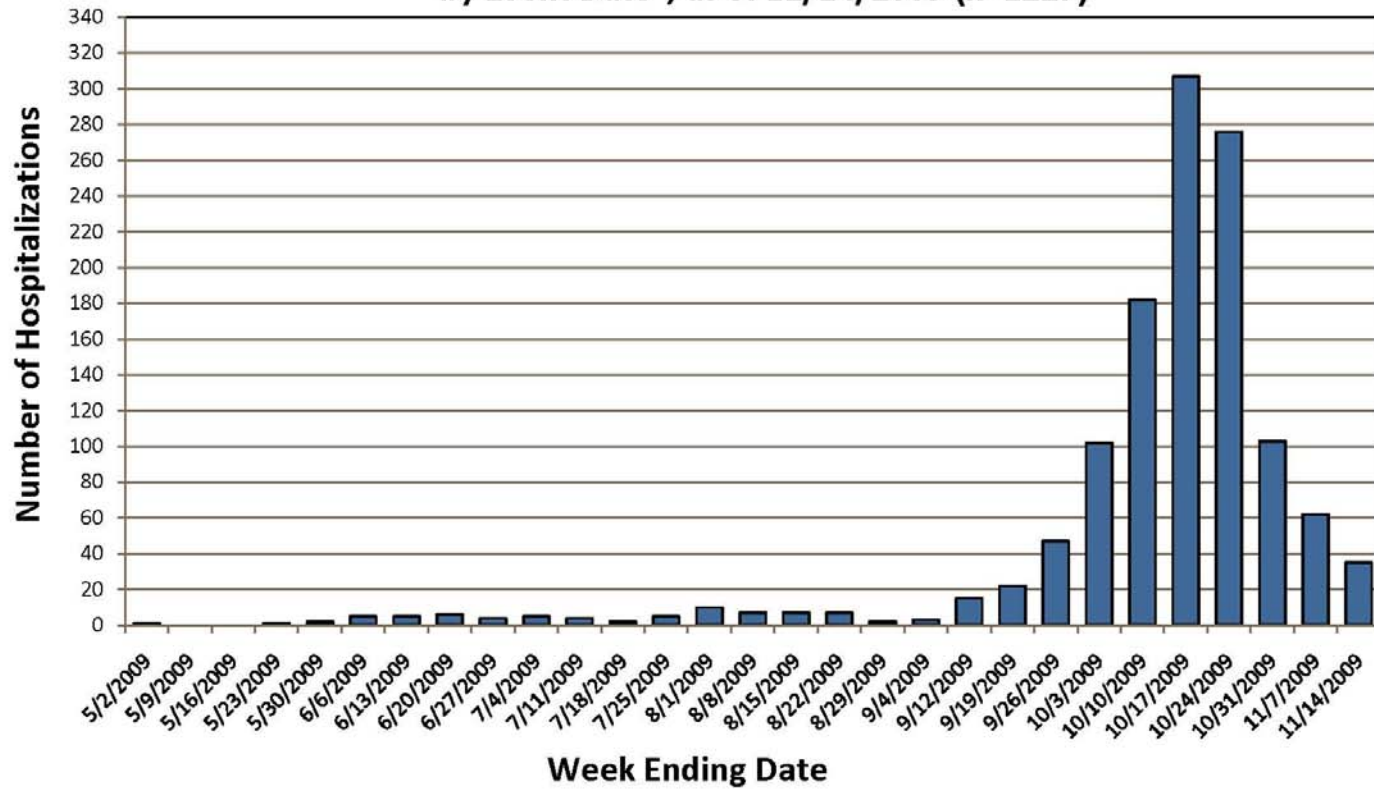
County	# Culture B	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Allen					21		17		39
Ashland					2		3		5
Ashtabula					4		1		5
Athens					7		3		10
Auglaize					13		4		17
Brown					3				3
Butler					2		1	1	4
Champaign							3	1	4
Clark					43		81	1	125
Clermont							5	1	6
Clinton					1				1
Columbiana					20		32	2	54
Coshocton					1				1
Crawford					12		9	2	23
Cuyahoga					244		67	33	344
Darke							3		3
Defiance					1		2	3	6
Delaware			1		9		7	1	18
Erie					8		2		10
Fairfield					6		5		11
Fayette							1		1
Franklin					123		251	1	375
Fulton					5		3		8
Gallia					4		1		5
Greene					6		2		8
Guernsey					3				3

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
Portage						5		2		7
Putnam										
Richland						8		6	3	17
Ross						13		17	2	32
Sandusky						2			1	3
Scioto						4				4
Seneca						2				2
Shelby								3	1	4
Stark						27		13	6	46
Summit						28		67		95
Trumbull						7				7
Tuscarawas						4		4		8
Union						4		2	1	7
Van Wert								1		1
Washington						10		2		12
Wayne						1				1
Williams						2		6		8
Wood								1		1
Wyandot						1		1		2
Unknown						2			1	3
Season Totals			1	1		971		831	97	1901

*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 11/14/2009 (n=1227)**



Data Source: Ohio Disease Reporting System, data pulled 11/18/09 at 4:00 pm
*Event date is the first date associated with the case, usually date of illness onset.