

Seasonal Influenza and Influenza-like Illness Surveillance

MMWR Week 34
August 23-29, 2009

Media Talking Points

Activity Level: **Local Activity**

- Definition: Increased ILI in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI, OR 2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions.

Summary: Public health surveillance data sources indicate confirmed influenza clusters in the southwest region, and an increase in over-the-counter sales, specifically thermometer sales, across the state.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 0.26% 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 three regions.
- ODH lab reported 149 positive isolates confirmed through traditional seasonal influenza testing methods (total through 8/31/09). Circulating Strains: (90) Influenza A/ (H1N1), (59) Influenza B/Malaysia-like.
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (14) influenza A/(H1), (15) influenza A/(H3), (13) influenza B (total through 8/31/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 8/31/09).
- Influenza-associated hospitalizations reported indicate 93 positive results by culture confirmation (total through 9/1/09). Results: (64) Influenza A, (29) Influenza B.
- Incidence of 2009 confirmed influenza-associated hospitalizations = 649 (total through 9/1/09).
- Five confirmed influenza-associated pediatric mortalities have been reported: two from Hamilton County (one influenza A, one influenza B), one from Summit County with influenza A, one from Licking County with influenza A, and one from Brown County with influenza B (through 9/1/09).

- Confirmed Pandemic Influenza A H1N1-related hospitalizations: 65 (total through 8/29/09)
- Confirmed Pandemic Influenza A H1N1-related deaths: 2 (total through 8/29/09)

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.

2008-09 Season Cumulative Influenza Results reported by ODH Lab by County*

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
Adams								4		4
Allen						3		6		9
Ashtabula								4		4
Athens	2	1				1	1	5		10
Auglaize								2		2
Brown								1		1
Butler						3		2		5
Champaign						1				1
Clark	1		1			5		13		20
Clermont								4	3	7
Columbiana								6		6
Crawford						1		1		2
Cuyahoga	3	1	3	1	1	46	3	43	5	106
Defiance							1			1
Delaware								7	2	9
Erie						1				1
Fairfield						1		3	2	6
Franklin	46	32	1	3	7	56	13	140	11	309
Fulton						2		5		7
Gallia			1			5		4		10
Greene	7	3				2	3		1	16
Hamilton	4	6	2	1		11	8	21	10	63
Hancock						2		3		5
Harrison								1		1
Henry							1			1

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
Hocking						3		1		4
Holmes		2		1		1		3		7
Huron						1		6		7
Jefferson						2		3		5
Knox	4					2		7	1	14
Lake						1		1		2
Lawrence								1		1
Licking						5	2	7		14
Logan						2			1	3
Lorain	2	1		1		2	5	13		24
Lucas				1		9	2	37		49
Mahoning						5		2		7
Marion								3		3
Medina								1		1
Meigs						1				1
Mercer						1		1		2
Miami								1		1
Montgomery	4	4	2	3		9	6	16	23	67
Muskingum								3		3
Ottawa						2				2
Pickaway								2		2
Pike								2		2
Portage			1	1		1		11		14
Putnam								1		1
Richland						2	1	2		5
Ross						4		3		7
Sandusky				1					1	2

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
Scioto								5	3	8
Seneca								9		9
Shelby								1		1
Stark	14	6	3		5	3	1	10		42
Summit	3	3		1		10		10	1	28
Trumbull								1		1
Tuscarawas								1		1
Union								3		3
Van Wert								1		1
Warren						1		1		2
Washington				1		1		1		2
Wayne								3		3
Williams								4		4
Wood						1		1		2
Out of State						2				2
Unknown									1	1
										0
Season Totals	90	59	14	15	13	223	47	470	65	996

*Please note: The above results may not match official H1N1 results posted to the ODH website for the following reasons:

- 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.