

Sentinel Provider Influenza-Like Illness (ILI)¹ Surveillance Summary (health.state.tn.us/TNflu_report_archive.htm)

For the Week of Jan. 6-12, 2013 (Week 2)

Summary for	# Sites reporting	Total Sites	Total Regional ILI	Total Regional Patients	% ILI	Compared to State ²
Hamilton County (Chattanooga)	4	4	19	930	2.0%	lower
East Tennessee Region	7	8	209	2970	7.0%	higher
Jackson-Madison County	1	1	24	569	4.2%	
Knoxville-Knox County	2	4	12	1113	1.1%	lower
Mid-Cumberland Region	10	10	20	1021	2.0%	lower
Shelby County (Memphis)	6	10	130	1728	7.5%	higher
Nashville-Davidson County	3	6	52	940	5.5%	
Northeast Region	2	3	5	195	2.6%	
South Central Region	3	3	2	263	0.8%	lower
Southeast Region	4	5	18	468	3.8%	
Sullivan County (Tri-Cities)	2	2	7	628	1.1%	lower
Upper Cumberland Region	4	4	6	692	0.9%	lower
West Tennessee Region	6	6	9	444	2.0%	lower
State of Tennessee	54	66	513	11961	4.29%	

CDC Updates Antiviral Guidelines

Clinicians should review the latest recommendations for the use of antiviral medications for influenza treatment or prevention during the 2012-13 season:
www.cdc.gov/flu/professionals/antivirals/summary-clinicians.htm

Notes to Sentinel Providers:

Sentinel Providers are reminded to submit specimens on all patients meeting the ILI case definition (up to 10 per week).

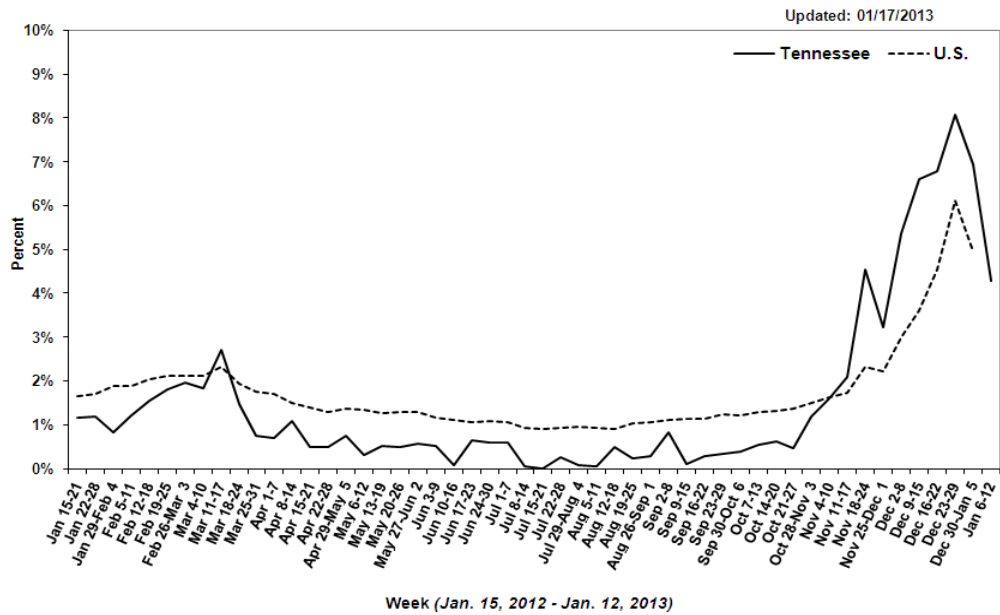
Please use the TDH specimen submission form dated October 2012.

The percentage of patients with ILI reported in Week 2 was 4.29%, compared with 6.93% in Week 1. Influenza viruses are circulating widely, and ILI rates remain elevated in some regions. This is the second week with a decline in the ILI rates in the state, which suggests the intensity of influenza activity is beginning to decline; however, more time is needed to see if this trend continues. Nationally, activity remains widespread in most states; type A H3N2 seasonal viruses predominate. To date, 129 specimens from Week 2 have been tested; 48 (37.2%) were positive for influenza viruses: 1 was an A(H1N1), 43 were A(H3N2) and 4 were type B. Twenty (20) specimens also were positive for other respiratory viruses. A map of counties with confirmed influenza (PCR or culture) in the past six weeks is below.

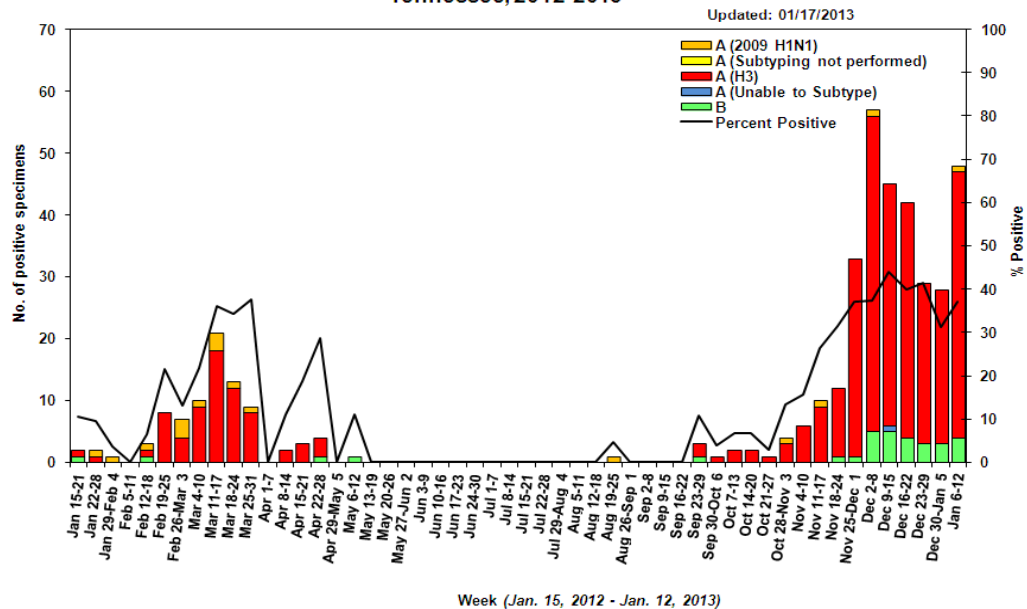
State Public Health Laboratory Respiratory Viral Panel Number of Positive Specimens, by week

Month/Week	#	Flu A (H1N1)	Flu A(H3)	Flu A (no subtype)	Flu B	RSV A	RSV B	Paraflu 1	Paraflu 2	Paraflu 3	Rhino	Meta pnuemo	Adeno B	Adeno C	Adeno E	Corona OC43	Corona NL63	Corona 229E
January	129	1	43	0	4	5	0	0	0	2	3	1	1	0	1	7	0	0
Current																		
1	90	0	25	0	3	5	0	0	0	1	2	1	0	0	0	5	0	1
December																		
52	70	0	26	0	3	1	0	0	0	0	2	0	0	1	0	7	0	0
51	105	0	38	0	4	4	1	1	3	0	2	2	1	1	0	5	1	1
50	102	0	39	1	5	1	2	0	0	1	3	0	0	4	0	7	1	0
49	153	1	51	0	5	6	3	0	2	2	11	2	1	1	0	5	1	0
48	89	0	32	0	1	0	1	0	1	0	15	0	1	1	0	7	0	0

Percentage of Outpatient Visits Reported by the U.S. and Tennessee Outpatient Influenza-like Illness Surveillance Network (ILINet) as Influenza-like Illness, 2012-2013



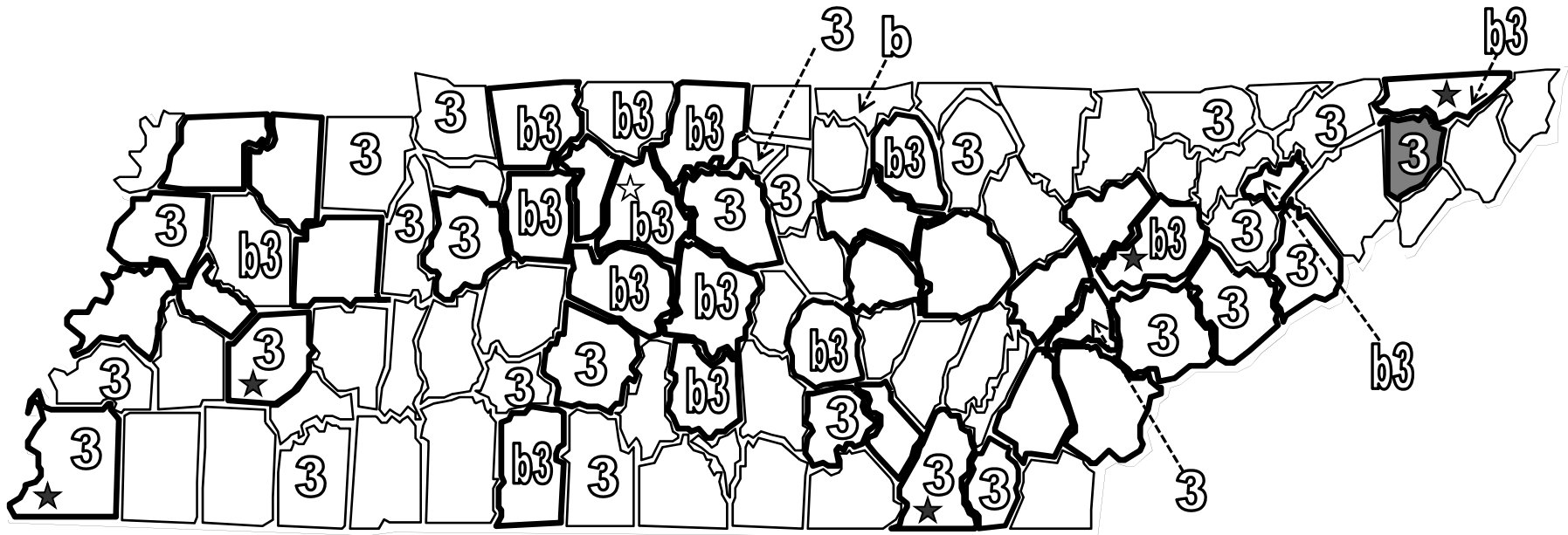
Influenza Positive Tests Submitted to TN Dept. of Health Laboratory Services, Tennessee, 2012-2013



Influenza confirmed by culture or PCR in Tennessee from specimens collected by any source within the past 6 weeks.

December 2, 2012 to January 12, 2013

- Strains are reported by county of case residence or, if unknown, county where the specimen was collected.
- Counties where influenza sentinel providers are located are identified with bold boundary lines.
- Stars mark counties with large metropolitan populations (Memphis, Jackson, Nashville, Chattanooga, Knoxville, and the Tri-Cities area)



2009 A (H1N1)



A(H3)



Seasonal B

Reference Information for Sentinel Provider Network

1 Influenza-like illness (ILI) is defined as fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Classification of ILI is based upon symptoms only and does not require any test.

2 The % of patients with ILI seen in each region is compared to the statewide average. Regions with % statistically-significantly different from the state average are noted as “higher” or “lower.” The CDC reports that the percentage of patients visiting outpatient healthcare providers in the Sentinel Provider Network (SPN) with influenza-like-illness (ILI) when influenza viruses are not circulating is expected to fall at or below a specific SPN baseline [nationwide = 2.2%, East South Central region (AL, TN, MS, KY) = 2.3%]. When the percentage of patients with ILI exceeds this baseline, this suggests that influenza viruses may be circulating.

Important information for Sentinel Providers

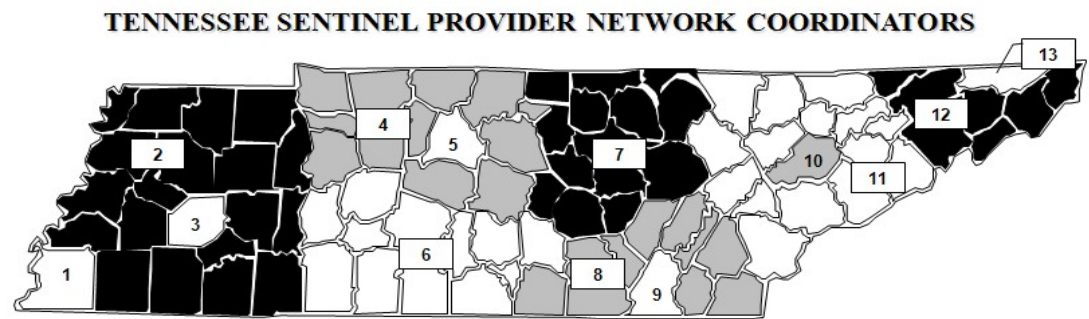
Sentinel Providers report ILI by the end of Tuesday following the end of the reporting week (www2a.cdc.gov/ilinet) and collect and ship specimens from ILI cases Monday through Thursday (maximum 10/week per provider). All Sentinel Provider specimens MUST be accompanied by the Influenza and Respiratory Viral Panel Submission form or testing will not be done. The Respiratory Viral Panel is only validated for nasopharyngeal (NP) specimens. Specimens collected from other sites cannot be tested.

Additional laboratory supplies can be obtained by completing the lab order supply form. To ensure the order is filled, please include the CDC Provider ID Code.

Contact Information
Submit weekly reports to: <http://www2a.cdc.gov/ilinet/> OR Fax 888-232-1322

State Lab: Susan McCool 615-262-6351

SPN Questions:
State: Robb Garman 800-404-3006 OR 615-741-7247
County/Region: Regional SPN Coordinator (see map)



1	Shelby County	901-222-9239
2	West TN Region	731-421-6758
3	Jackson-Madison County	731-927-8540
4	Mid-Cumberland Region	615-650-7000
5	Nashville-Davidson County	615-340-0551
6	South Central Region	931-380-2532
7	Upper Cumberland Region	931-646-7505
8	Southeast Region	423-634-6065
9	Chattanooga-Hamilton County	423-209-8063
10	Knoxville-Knox County	865-215-5084
11	East TN Region	865-549-5287
12	Northeast Region	423-979-3200
13	Sullivan County	423-279-7545