

# Sentinel Provider Influenza-Like Illness (ILI)<sup>1</sup> Surveillance Summary ([health.state.tn.us/TNflu\\_report\\_archive.htm](http://health.state.tn.us/TNflu_report_archive.htm))

## For the Week of March 25-31, 2012 (Week 13)

Summary for	# Providers reporting	Total Providers	Total Regional ILI	Total Regional Patients	% ILI	Comparison to State <sup>2</sup>
Hamilton County (Chattanooga)	3	4	1	526	0.2%	
East Tennessee Region	7	8	20	1931	1.0%	
Jackson-Madison County	1	1	3	1671	0.2%	lower
Knoxville-Knox County	4	4	0	385	0.0%	
Mid-Cumberland Region	6	9	1	780	0.1%	lower
Shelby County (Memphis)	2	4	37	1760	2.1%	higher
Nashville-Davidson County	6	6	0	187	0.0%	
Northeast Region	2	3	0	236	0.0%	
South Central Region	3	3	7	864	0.8%	
Southeast Region	4	4	0	502	0.0%	
Sullivan County (Tri-Cities)	2	2	1	545	0.2%	
Upper Cumberland Region	3	5	2	367	0.5%	
West Tennessee Region	6	6	0	0	0.0%	#DIV/0!
State of Tennessee	49	59	72	9754	0.74%	

**Note:** As rates of influenza rise in the southeastern U.S., CDC continues to emphasize the critical need to submit specimens from patients with ILI to the state lab for PCR testing.

SP sites in TN may submit up to 10 viral specimens / week from patients with ILI. Contact your regional coordinator if you need assistance.

The percentage (%) of patients with ILI reported in Week 13 was 0.74%, compared with 1.46% in Week 12. Twenty specimens from Week 13 have been tested to date; 9 (45.0%) were positive for influenza A viruses; 8/9 were A(H3) and 1 was 2009 A(H1N1). Four other specimens were positive for other respiratory viruses. The geographic spread of ILI in Tennessee met CDC's criteria for regional activity (<http://www.cdc.gov/flu/weekly>). Nationally, influenza activity remains low, but is elevated in some areas, with circulating strains generally well-matched to the vaccine.

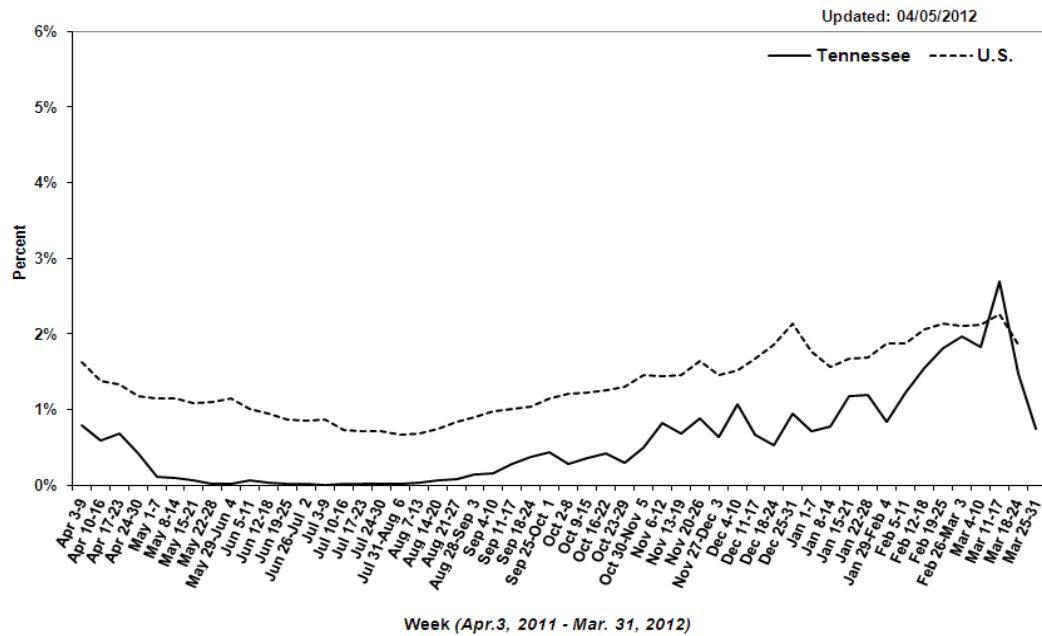
State Public Health Laboratory

Respiratory Viral Panel

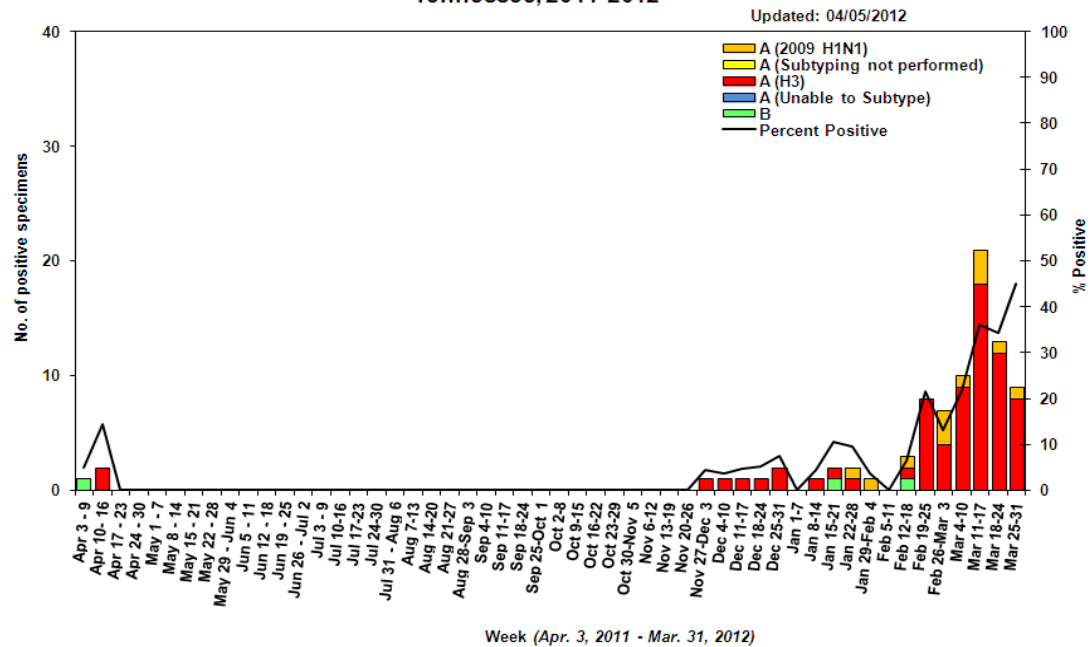
Number of Positive Specimens, by week

Month	Mar				
Week	Current	12	11	10	9
Total specimens tested	20	38	50	46	53
Influenza A 2009 H1N1	1	1	3	1	3
Influenza A H3	8	12	18	9	4
Influenza B	0	0	0	0	0
Respiratory Syncytial Virus A	0	0	0	0	1
Respiratory Syncytial Virus B	1	0	1	2	3
Parainfluenza 1	0	0	0	0	0
Parainfluenza 2	0	0	0	0	0
Parainfluenza 3	0	0	0	0	0
Rhinovirus	1	2	3	2	2
Metapneumovirus	0	0	3	3	3
Adenovirus	2	2	1	1	2

Percentage of Outpatient Visits Reported by the U.S. and Tennessee Outpatient Influenza-like Illness Surveillance Network (ILINet) as Influenza-like Illness, 2011-2012




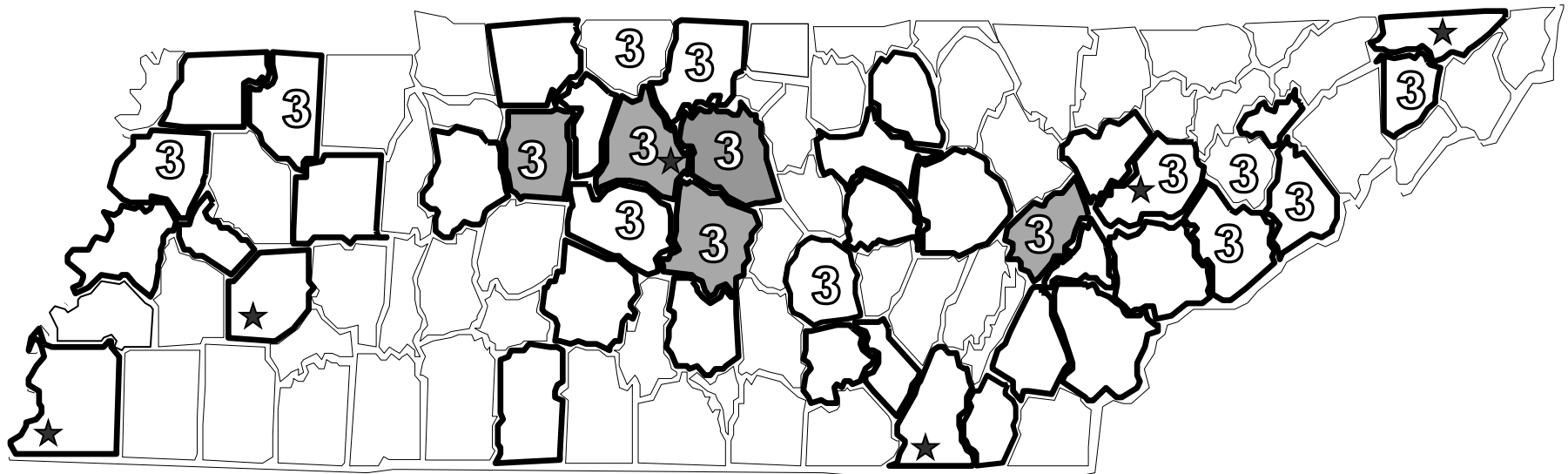
Influenza Positive Tests Submitted to TN Dept. of Health Laboratory Services, Tennessee, 2011-2012



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

February 19, 2012 to March 31, 2012

- 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)

3 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](http://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

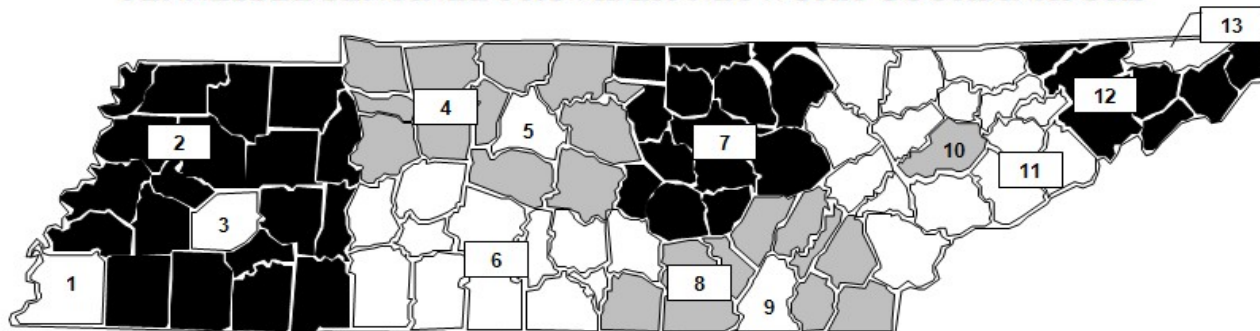
State Lab: Susan McCool 615-262-6351

### **SPN Questions:**

**State:** Robb Garman 800-404-3006 OR 615-741-7247

**County/Region:** Regional SPN Coordinator (see map)

### TENNESSEE SENTINEL PROVIDER NETWORK COORDINATORS



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