

Sentinel Provider Influenza-Like Illness (ILI)¹ Surveillance Summary (health.state.tn.us/TNflu_report_archive.htm)
for the Week of April 13-19, 2014 (Week 16)

Summary for	# Sites reporting	Total Sites	Total Regional ILI	Total Regional Patients	% ILI	Compared to State ²
Hamilton County (Chattanooga)	3	4	0	444	0.0%	
East Tennessee Region	8	8	8	2289	0.4%	
Jackson-Madison County	1	2	0	454	0.0%	
Knoxville-Knox County	3	4	5	1209	0.4%	
Mid-Cumberland Region	8	10	1	926	0.1%	
Shelby County (Memphis)	1	5	0	69	0.0%	
Nashville-Davidson County	3	5	0	239	0.0%	
Northeast Region	3	3	0	268	0.0%	
South Central Region	3	3	0	195	0.0%	
Southeast Region	5	5	0	769	0.0%	
Sullivan County (Tri-Cities)	1	2	0	315	0.0%	
Upper Cumberland Region	4	4	0	443	0.0%	
West Tennessee Region	6	6	0	260	0.0%	
State of Tennessee	49	61	14	7880	0.18%	

Small but second wave of flu illness

Flu viruses, particularly a small, second wave of influenza B, continue to cause illness though, activity is low throughout most of the U.S. Vaccination is still recommended as long as viruses are circulating; about 70% of influenza B viruses analyzed match the influenza B component of the 2013-2014 trivalent vaccine and the rest match the B component of the 2013-14 quadrivalent vaccine.

Sentinel Providers - Use Current (9/13) Specimen Form

If you have questions, contact your regional or state SPN representative.

The percentage of patients with ILI reported in Week 16 was 0.18% as compared to 0.43% in Week 15. To date, 15 specimens from Week 16 have been tested. Two specimens (13.3%) were positive for influenza viruses; both were influenza B.

Influenza viruses are not entirely gone. Clinicians are reminded that patients with severe illness consistent with influenza or those with influenza-like illness at high risk of complications from influenza should still be treated with influenza antiviral medications as appropriate. Rapid influenza diagnostic tests have high false negative rates: a negative rapid test does not rule out influenza disease and treatment should not be withheld or discontinued based on a negative rapid test result. Sentinel Providers are reminded to submit a specimen for **EVERY** patient meeting the ILI case definition (up to 10 per week) for surveillance purposes. Contact your regional immunization representative with questions.

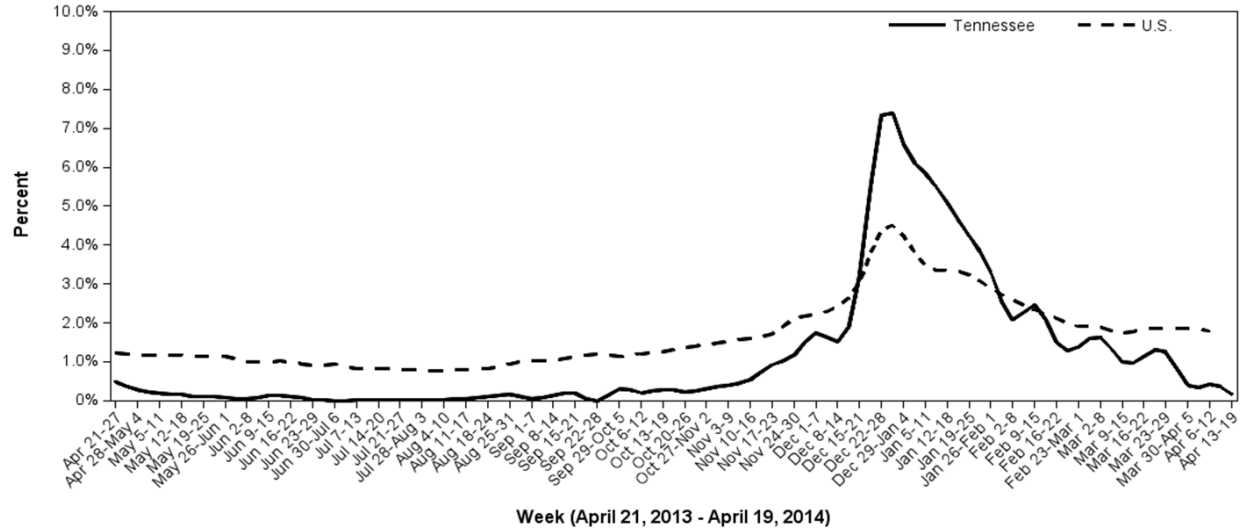
Respiratory Viral Panel

Number of Positive Specimens, by week

Month/Week	#	Flu A (H1N1)	Flu A (H3)	Flu B	RSV B	Paraflu 2	Paraflu 3	Rhino	Meta-pneumo	Adeno B or E	Adeno C	Corona OC43	Corona NL63	Corona 229E	Corona HKU1
April															
Current	15	0	0	2	0	0	0	0	1	0	0	0	0	0	0
15	24	1	0	1	1	1	0	2	2	1	2	2	0	0	0
14	30	3	0	5	0	0	0	3	2	0	1	0	0	0	0
March															
13	46	4	0	2	0	0	3	3	3	0	0	0	0	3	1
12	42	1	2	0	1	0	0	2	1	0	1	1	1	0	1
11	50	2	0	3	1	0	1	2	7	0	1	6	1	0	0

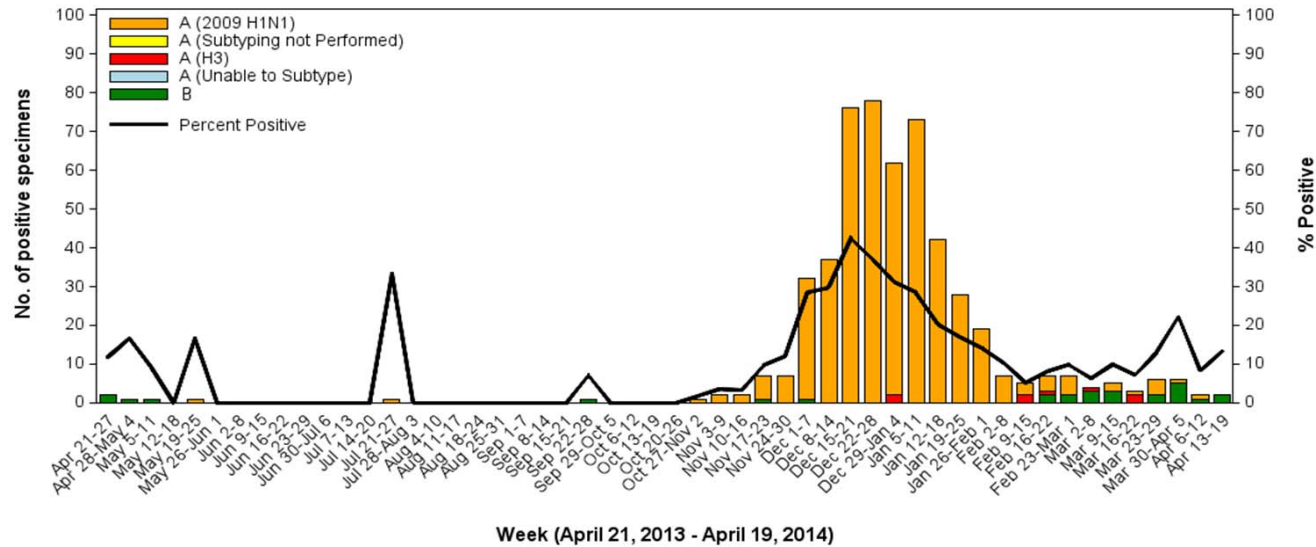
Percentage of Outpatient Visits Reported by the U.S. and Tennessee Outpatient Influenza-like Illness Surveillance Network (ILINet) as Influenza-like Illness, 2013-2014

Updated: April 25, 2014



Influenza Positive Tests Submitted to TN Dept. of Health Laboratory Services Tennessee, 2013-2014

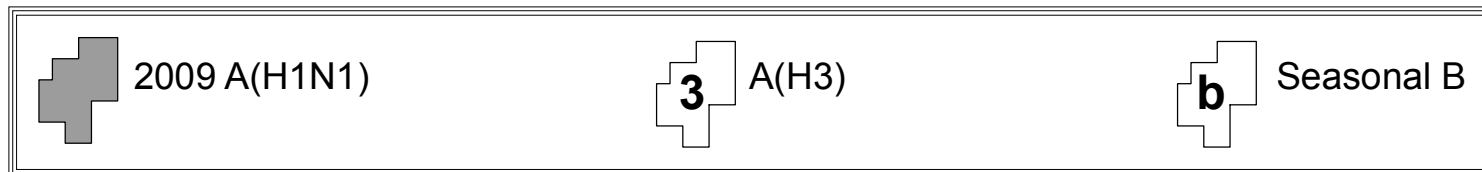
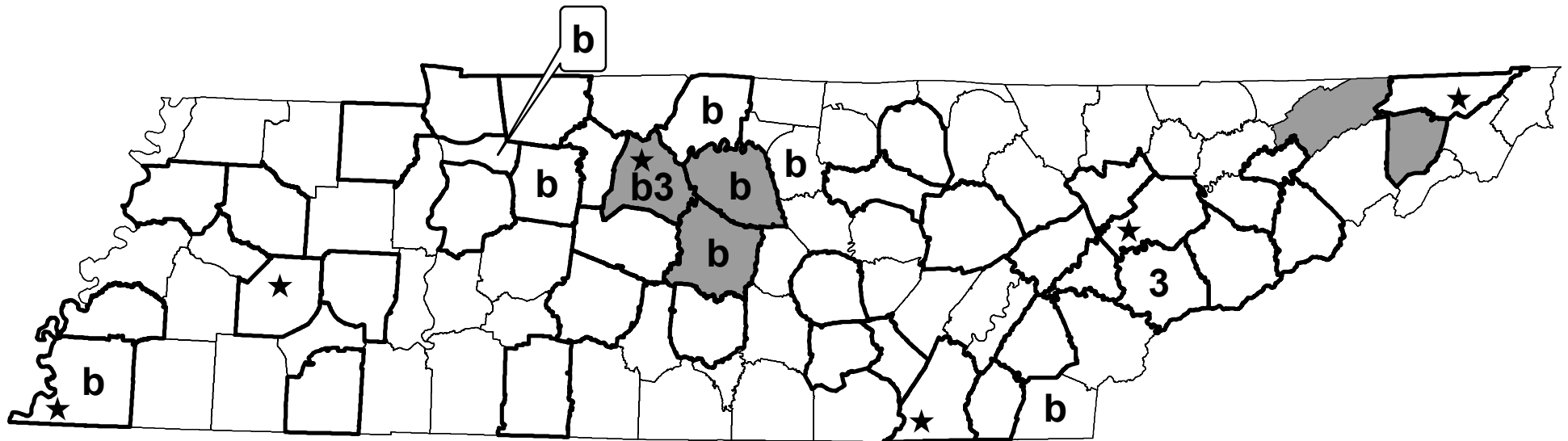
Updated: April 25, 2014



Influenza Confirmed by Culture or PCR in Tennessee from Specimens Collected by Any Source within the Past 6 Weeks

March 9 through April 19, 2014

- Strains are reported by county of case residence.
- 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).



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

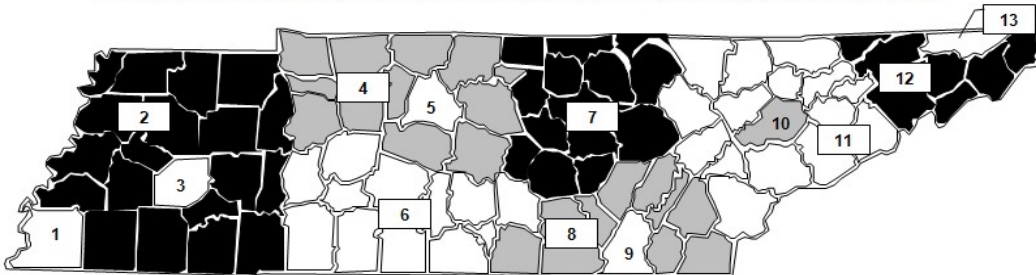
State Lab: Dr. Amy Woron (Molecular Biology, PCR) 615-262-6362
Jim Gibson (Virology, Respiratory Viral Panel) 615-262-6300

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