GEORGIA DEPARTMENT OF PUBLIC HEALTH

Georgia Weekly Influenza Report

MMWR Week 53 **Updated 1/9/2015**

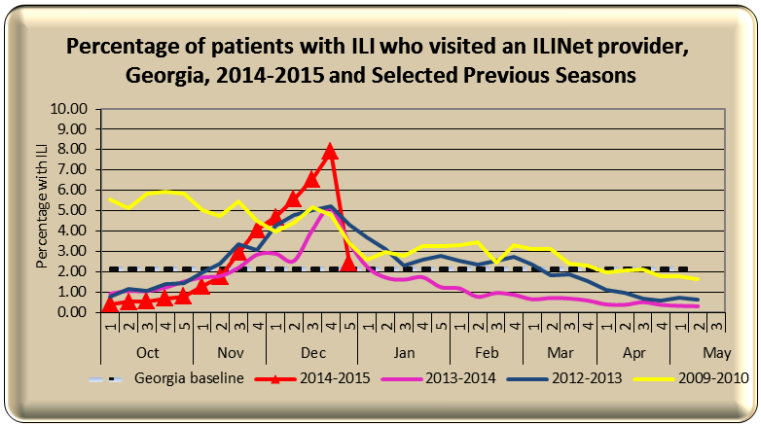
Week 53 (Dec.28 - Jan. 3, 2014) Synopsis

During week 53 there was widespread influenza activity in Georgia with low occurrences of sustained flu transmission.

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILI was 2.41%, which is above the Georgia baseline of 2.1%.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Georgia was **WIDESPREAD** during week 53.
- **Metro Area Hospitalizations:** There were **69 hospitalizations** due to influenza infection during week 53.There have been **753** hospitalizations due to influenza infection so far this season
- **Influenza Related Deaths:** There were **2** confirmed influenza-associated deaths during week 53 and 1 confirmed influenza-associated death during week 01. There have been **16** confirmed influenza-associated deaths as of 1/9/2015.
- **Viral Surveillance:** Of the **1,397** Specimens tested and reported by the Georgia Public Health Laboratory (GPHL) and the National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 53, **219 (15.68%)** were positive for influenza.
- **Reported Influenza Outbreaks:** There were 7 influenza-related outbreaks reported to public health during week 53 and 1 influenza-related outbreak during week 01. There have been **27** influenza-related outbreaks so far this season.
- **RSV Viral Surveillance:** Of the **598** specimens tested and reported by the Georgia Public Health Laboratory (GPHL) and the National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 53, the percent positive of **ALL** laboratory confirmed tests was **19.57%**.

ILINet Provider Network Data

Percentage of patients with ILI reported by ILINet providers
(Volunteer providers who report percentage of patients with ILI seen by their practice or facility weekly. This week there are currently **27** ILINet providers reporting in Georgia.)



This Week: **2.41%** of patients seen in ILINet Provider offices were diagnosed with ILI.

Note: The Georgia baseline is formulated by averaging ILI percentage during weeks of endemic activity determined by laboratory results for influenza.

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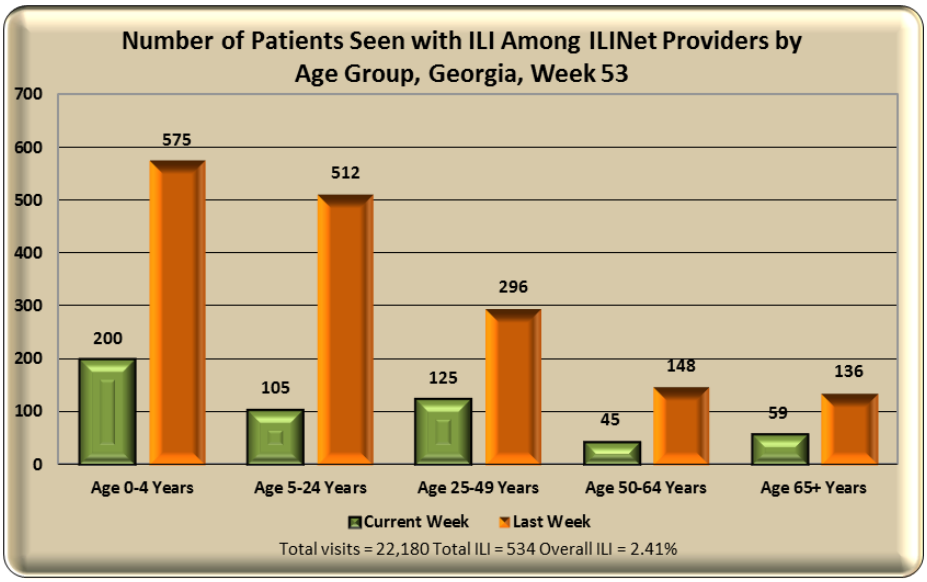
ILINet patient visits by age group

This graph displays the number of patients seen at sentinel provider offices and diagnosed with ILI in the past week. The data are stratified by age-group.

ILINet Patient Visits By Age Group



During **week 53** those aged 0 to 24 years were most often seen with ILI symptoms by ILINet providers.

ILI Activity Level Indicator - ILINet

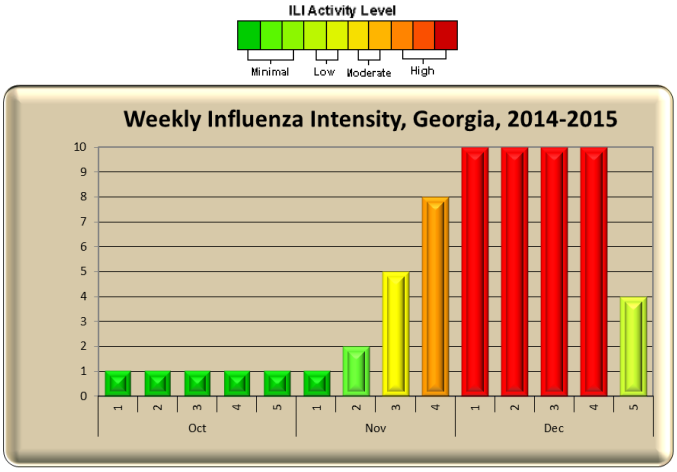
(This graph uses the proportion of outpatient visits for ILI to measure the ILI severity in Georgia.) For a national view, visit http://cdc.gov/flu/weekly/)

Georgia ILI Intensity Indicator

ILI Activity Levels (1 - 10) correspond to the number of standard deviations away from the 3-year mean for the current week.

This week the intensity level is:

Low = 4



Council of State and Territorial Epidemiologists Report – Geographic Dispersion

(This graph reflects geographic dispersion and is not an indicator of influenza severity)

Georgia ILI Geographic Dispersion

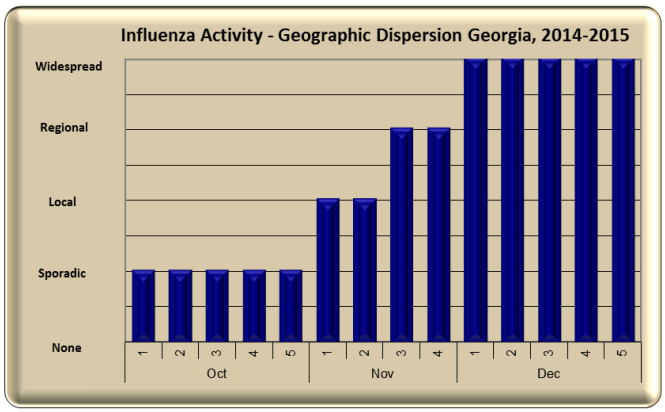
This Week's Flu Code is:

WIDESPREAD

Widespread = Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions

AND

Recent (within the past 3 weeks) lab confirmed influenza in the state



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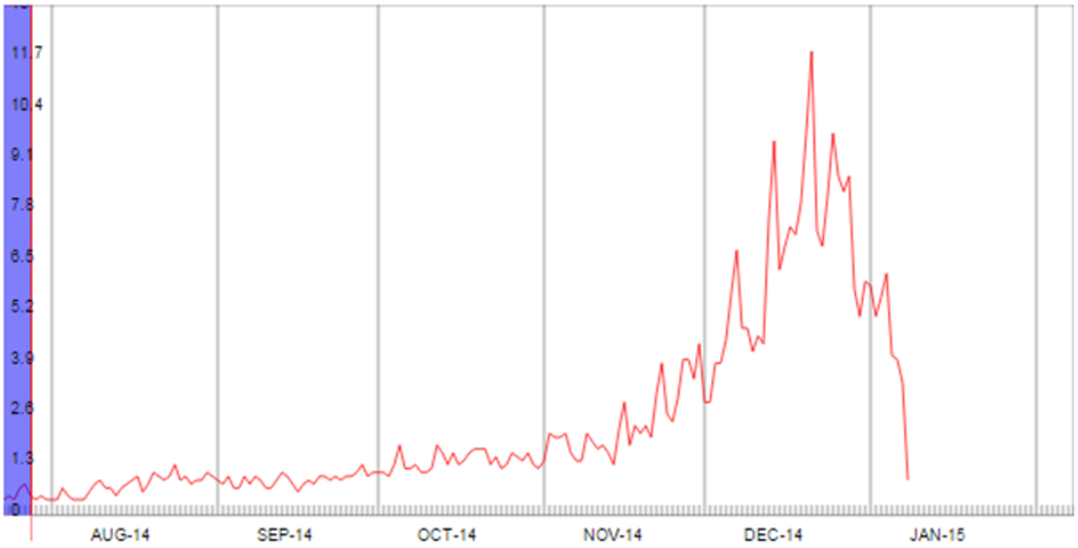
Daily Percent of ILI Syndrome Visits to Georgia Emergency

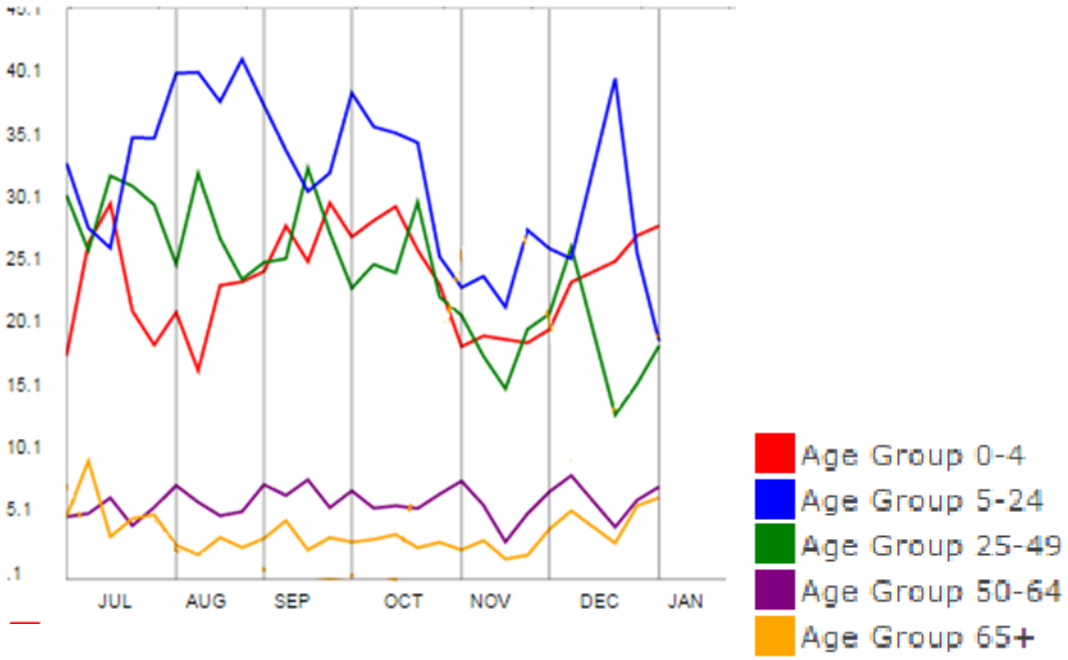
Syndromic Surveillance Data Daily Influenza-like Illness Syndrome
(percentage of ILI visits)



During **week 53** the daily percentage of patients seen for ILI in Georgia Emergency Departments reporting to our syndromic surveillance system decreased.

Weekly Percent of ILI Syndrome Visits by Age Group

Syndromic Surveillance Data Weekly Influenza-like Illness Syndrome
(percentage of ILI visits by Age Group)



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Georgia Influenza-Associated Hospitalizations and Deaths

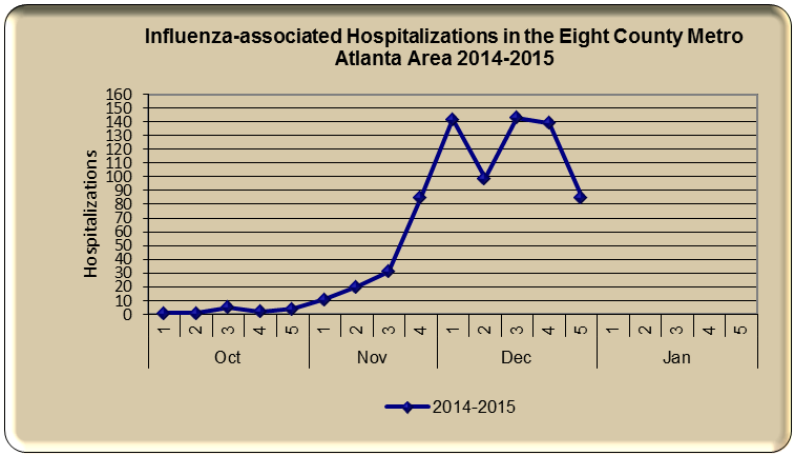
Influenza Hospitalizations in the eight county metro Atlanta area 2014-2015 (Emerging Infections Program data)

	Number of Hospitalizations (8– County Metro-Area Only)	Hospitalization Rate (Cases/100,000 people)
0 - 4	73 (9.7%)	**27.09**
5 -17	94 (12.5%)	**13.18**
18 - 49	151 (20.1%)	**8.31**
50 - 64	104 (13.8%)	**15.00**
65+	331 (44.0%)	**89.38**
Total	753 (For confirmation, these data are delayed)	**20.06**

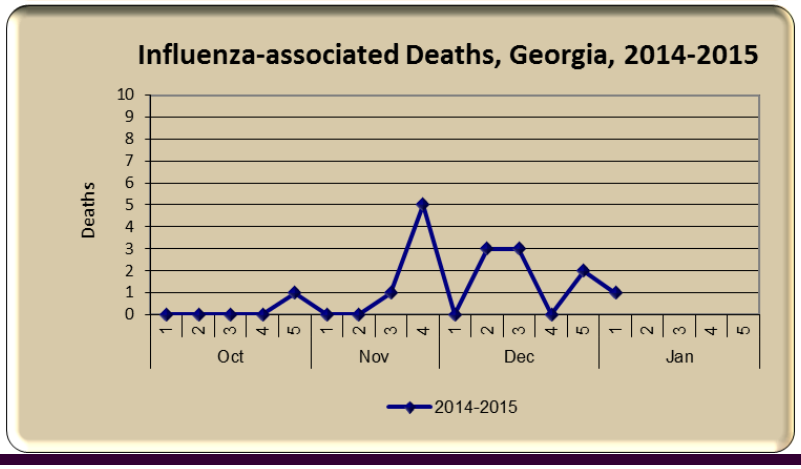
Influenza-Associated Deaths 2014-2015 Statewide (Influenza-associated deaths are a notifiable condition in Georgia)

Age Group	Number of Deaths	
0 - 4	1	
5 -17	0	
18 - 49	2	
50 - 64	1	
65+	12	
Total	16 (death data includes all confirmed influenza -associated deaths, 9/29/2014-1/9/2014)	

Influenza-Associated hospitalizations in the eight-county metro Atlanta area (Emerging Infections Program data)



Influenza-Associated deaths reported to Public Health



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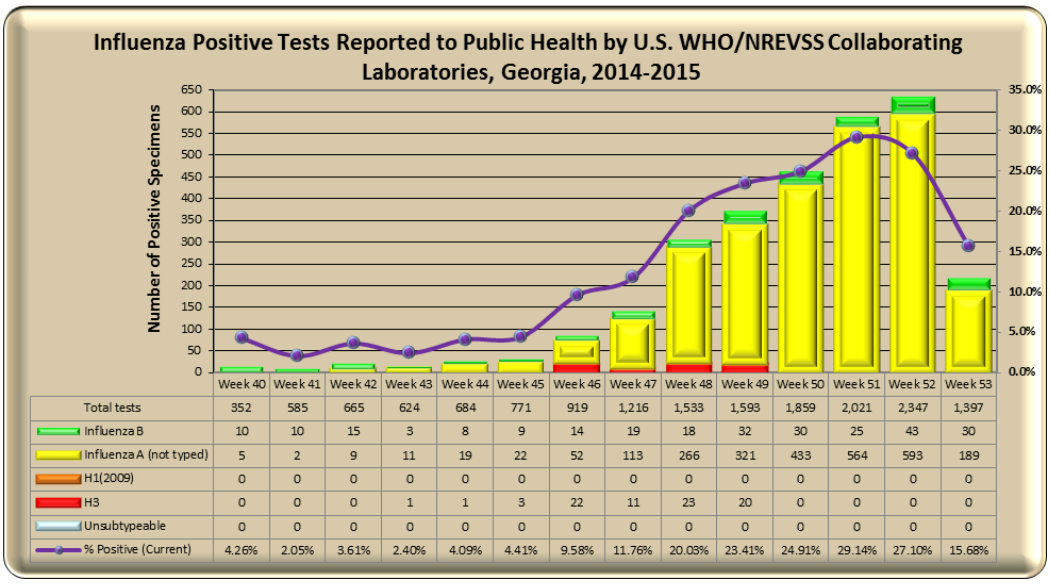
GA DPH on the web !
http://dph.georgia.gov/

Georgia Virologic Surveillance Data



	Week 40	Week 41	Week 42	Week 43	Week 44	Week 45	Week 46	Week 47	Week 48	Week 49	Week 50	Week 51	Week 52	Week 53
Total tests	352	585	665	624	684	771	919	1,216	1,533	1,593	1,859	2,021	2,347	1,397
Influenza B	10	10	15	3	8	9	14	19	18	32	30	25	43	30
Influenza A (not typed)	5	2	9	11	19	22	52	113	266	321	433	564	593	189
H1(2009)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H3	0	0	0	1	1	3	22	11	23	20	0	0	0	0
Unsubtypeable	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Positive (Current)	4.26%	2.05%	3.61%	2.40%	4.09%	4.41%	9.58%	11.76%	20.03%	23.41%	24.91%	29.14%	27.10%	15.68%

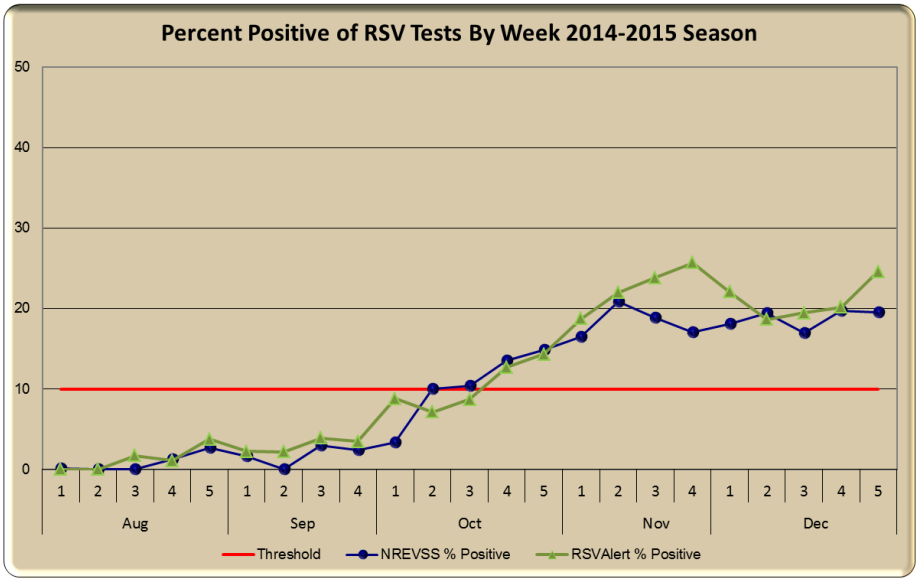
Note: Includes rapid tests reported from reference Laboratories and the Georgia Public Health Laboratory; not all positive laboratory results for influenza are reported to Public Health.

Georgia threshold of RSV season onset and end

RSV season onset is defined as the first week of two (2) consecutive weeks when the percent positive of **ALL** lab confirmed tests are greater than or equal to 10%. The end of RSV season is now defined as the first week of two consecutive weeks when the percent positive of **ALL** lab confirmed tests are less than 10%.

RSV Season Status: ON

Respiratory Syncytial Virus (RSV) Surveillance Data



Flu News

[CDC Health Update Regarding the Treatment of Patients with Influenza with Antiviral Medications]

[US flu activity continues to ramp up]

[FDA approval of peramivir makes IV flu drug available]