GEORGIA DEPARTMENT OF PUBLIC HEALTH
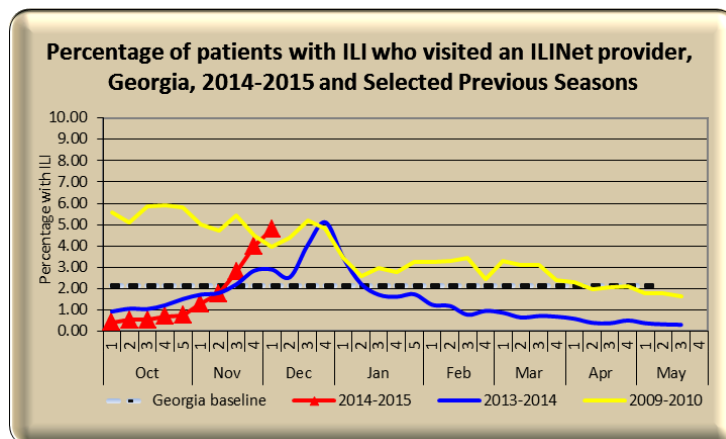
Georgia Weekly Influenza Report

Week 49 (Nov.30 - Dec. 6, 2014) Synopsis

During week 49 there was widespread influenza activity in Georgia with high occurrences of sustained flu transmission.

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILI was **4.77%,** which is above the Georgia baseline of 2.1%.

- **Geographic Spread of Influenza:** The geographic spread of influenza in Georgia was **WIDESPREAD** during week 49.

- **Metro Area Hospitalizations:** There were **70** hospitalizations due to influenza infection. There have been **214** hospitalizations due to influenza infection so far this season.

- **Influenza Related Deaths:** There were **0** confirmed deaths due to influenza during week 49.   There have been **5** confirmed influenza-associated deaths so far this season.

- **Viral Surveillance:** Of the **1,470** 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 49, **330 (22.45%)** were positive for influenza.

- **Reported Influenza Outbreaks:** There were 2 influenza-related outbreaks reported to public health during week 49. There have been **3** confirmed influenza-related outbreaks so far this season.

- **RSV Viral Surveillance:** Of the **460** 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 49, the percent positive of **ALL** laboratory confirmed tests was **21.96%.**

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 **30** ILINet providers reporting in Georgia.)

Percentage of patients with ILI who visited an ILINet provider, Georgia, 2014-2015 and Selected Previous Seasons

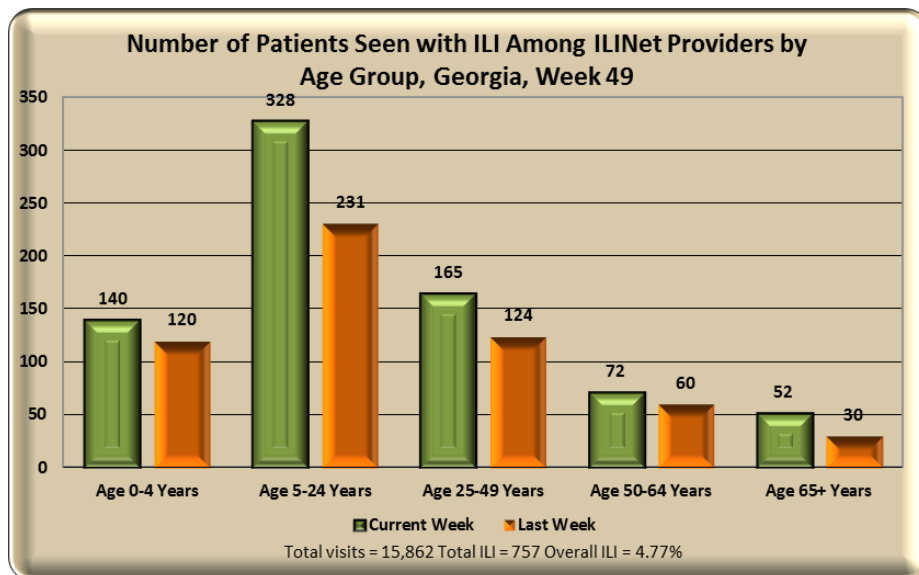Georgia baseline — 2014-2015 — 2013-2014 — 2009-2010

This Week: **4.77%** 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.

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.
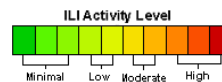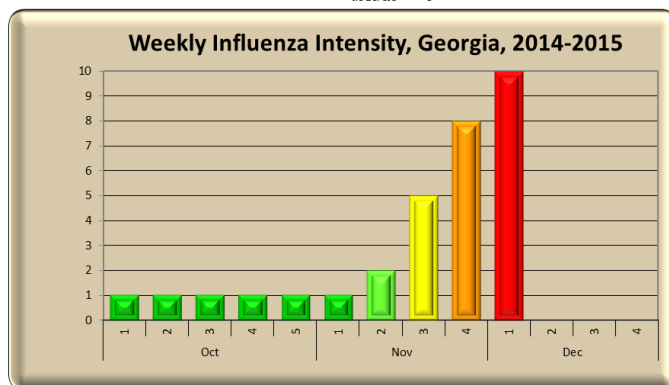
ILI Activity Level Indicator - ILINet

(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/)

Council of State and Territorial Epidemiologists Report – Geographic Dispersion

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

ILINet Patient Visits By Age Group

Number of Patients Seen with ILI Among ILINet Providers by Age Group, Georgia, Week 49

	Current Week	Last Week
Age 0-4 Years	140	120
Age 5-24 Years	328	231
Age 25-49 Years	165	124
Age 50-64 Years	72	60
Age 65+ Years	52	30

Total visits = 15,862 Total ILI = 757 Overall ILI = 4.77%

During **week 49** those aged 5 to 24 years were most often seen with ILI symptoms by ILINet providers.

Georgia ILI Intensity Indicator

ILI Activity Level

Minimal   Low   Moderate   High

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:
High = 10

Weekly Influenza Intensity, Georgia, 2014-2015
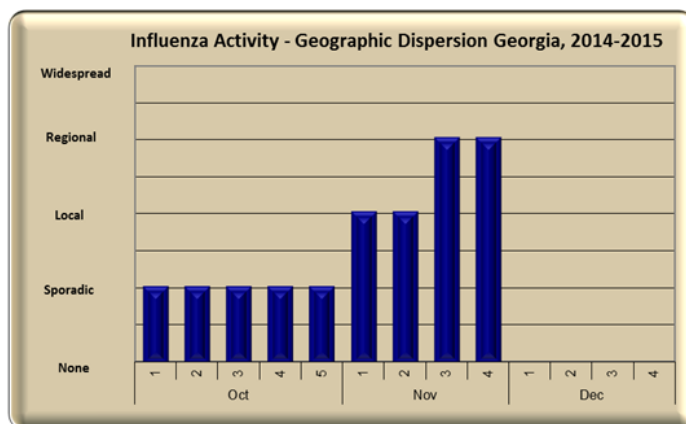
Georgia ILI Geographic Dispersion

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

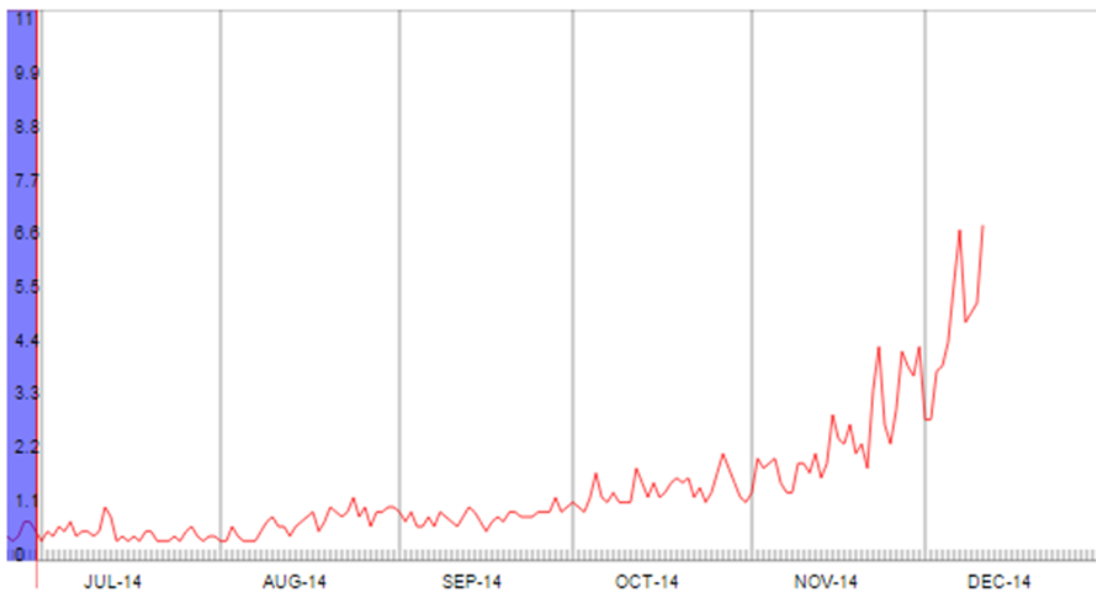Recent (within the past 3 weeks) lab confirmed influenza in the state

Influenza Activity - Geographic Dispersion Georgia, 2014-2015

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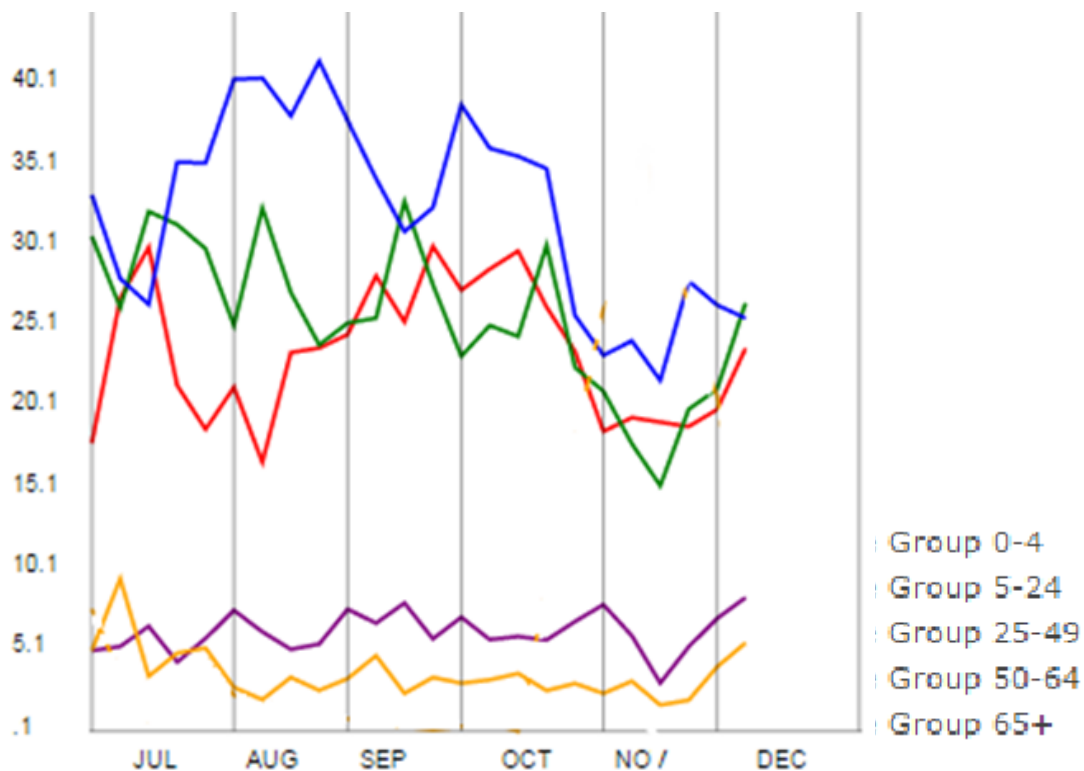(percentage of ILI visits)

Daily Percent of ILI Syndrome Visits to Georgia Emergency

During **week 49** the daily percentage of patients seen for ILI in Georgia Emergency Departments reporting to our syndromic surveillance system increased compared to the previous week.

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

Weekly Percent of ILI Syndrome Visits by Age Group

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

Influenza-Associated Deaths 2014-2015 Statewide (Influenza-associated deaths are a notifiable condition in Georgia)
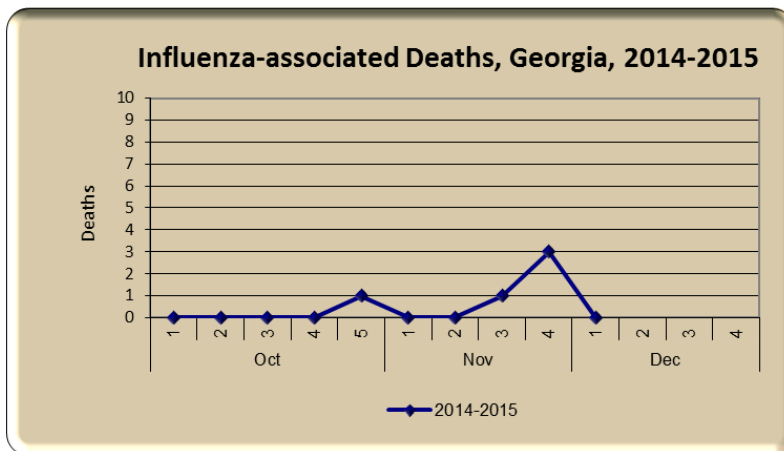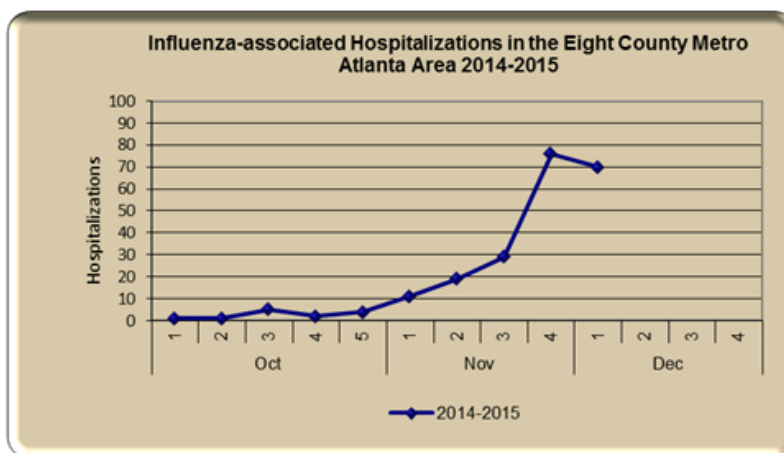
Influenza-Associated hospitalizations in the eight-county metro Atlanta area (Emerging Infections Program data)

Influenza-Associated deaths reported to Public Health

Georgia Influenza-Associated Hospitalizations and Deaths

	Number of Hospitalizations (8– County Metro-Area	Hospitalization Rate (Cases/100,000 people)
0 - 4	24 (11.2%)	8.91
5 -17	37 (17.3%)	5.19
18 - 49	43 (20.1%)	2.37
50 - 64	29 (13.6%)	4.18
65+	81 (37.9%)	21.87
Total	214 (For confirmation, these data are delayed)	5.70

Age Group	Number of Deaths	
0 - 4	0	
5 -17	0	
18 - 49	0	
50 - 64	1	
65+	4	
Total	5 (For confirmation, these data are delayed)	

Influenza-associated Hospitalizations in the Eight County Metro Atlanta Area 2014-2015

Influenza-associated Deaths, Georgia, 2014-2015

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2 Peachtree St. N.W.
Atlanta, GA 30303

Phone: 404-463-4625
Fax: 404-657-7517
E-mail: Audrey.Martyn@dph.ga.gov
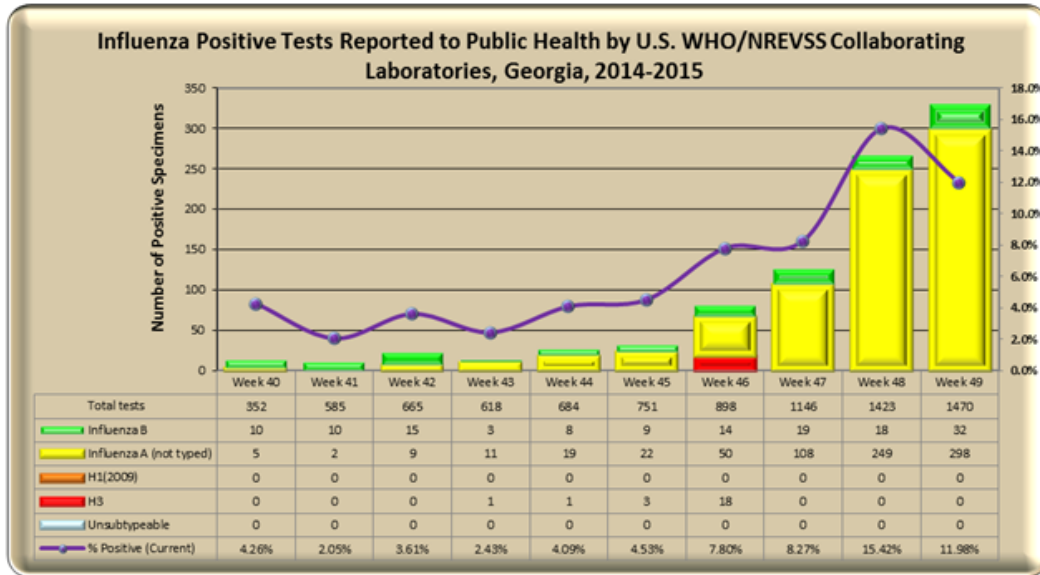
GA DPH on the web !
http://dph.georgia.gov/

Georgia Virologic Surveillance Data

	Week 40	Week 41	Week 42	Week 43	Week 44	Week 45	Week 46	Week 47	Week 48	Week 49
Total tests	352	585	665	618	684	751	898	1146	1423	1470
Influenza B	10	10	15	3	8	9	14	19	18	32
Influenza A (not typed)	5	2	9	11	19	22	50	108	249	298
H1(2009)	0	0	0	0	0	0	0	0	0	0
H3	0	0	0	1	1	3	18	0	0	0
Unsubtypeable	0	0	0	0	0	0	0	0	0	0
% Positive (Current)	4.26%	2.05%	3.61%	2.43%	4.09%	4.53%	7.80%	8.27%	15.42%	11.98%

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.

Respiratory Syncytial Virus (RSV) Surveillance Data

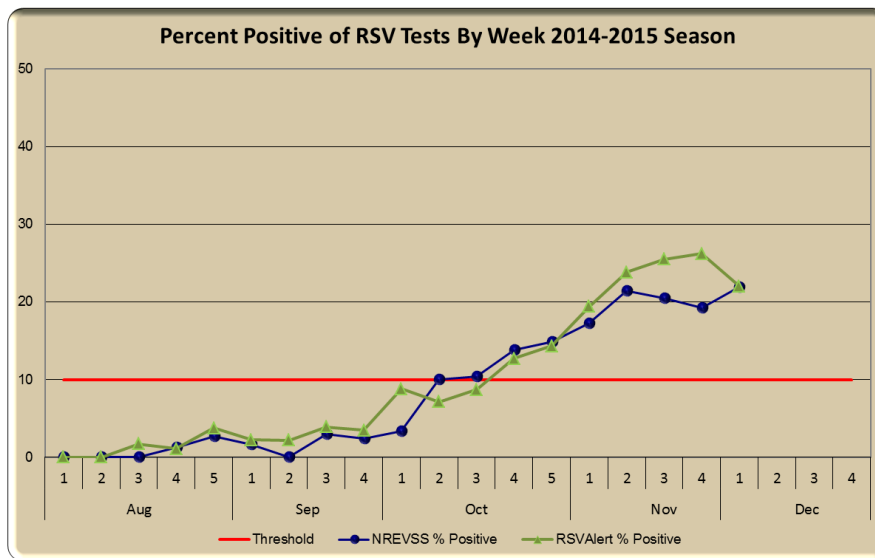## Georgia threshold of RSV season onset and end

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

Flu News

Find influenza vaccine providers in your area

CDC Health Advisory Regarding the Potential for Circulation of Drifted Influenza A (H3N2) Viruses

CDC's flu warning raises questions about vaccine match

Flu Scan: US flu activity up slightly up; H5N1 in India, H5N8 in Japan