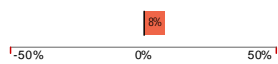
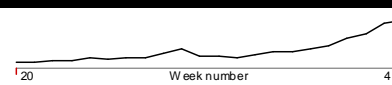
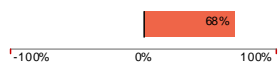
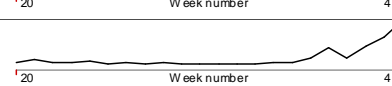

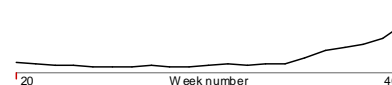

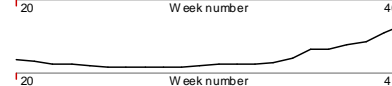
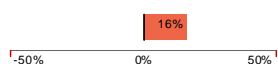
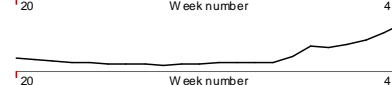
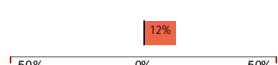


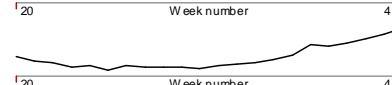
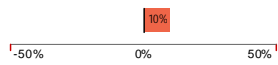
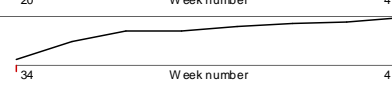
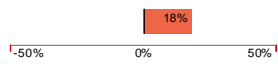

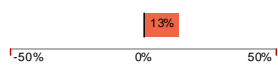
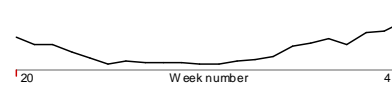
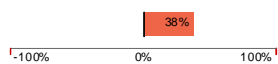
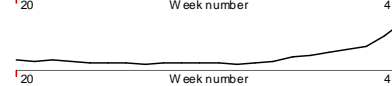
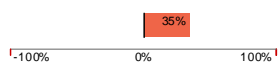
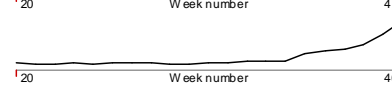


Highlights

- Local Geographic Activity Designation (Click [here](#) for definitions) = WIDESPREAD
- Hospital labs reported 1,547 tests run with 369 positive results (24%) for week 41 (368 type A; 1 Type B); 8% higher than the previous week and the 9th consecutive weekly increase.
- Hospital emergency department (ED) and pediatric urgent care (PUC) information continue to indicate elevated levels of visits for ILI and ILI related symptoms, such as cough, fever, and sore throat conditions.
- Respiratory related visits in both EDs and PUCs again increased in week 41.
- School absences increased in week 41. This is the 7th consecutive weekly increase.
- Increases in over-the-counter medication sales have been seen for cough & cold medication, adult & pediatric anti-fever medication, thermometers, chest rubs and throat lozenges. Increases in antiviral prescriptions have also occurred for seven weeks in a row.
- Nationally, over 99% of all subtyped influenza A viruses being reported to CDC in week 40 were 2009 Influenza A (H1N1).

Local Flu Activity Dashboard *(All data are preliminary and may change as more reports are received.)*

Indicators	Most Complete Week Available	Current Week Value	% Change Chart from Last Week	# Weeks ↑ ↓	General Trend Chart
Hospital Lab Data	41	24% Pos.		9 ↑	
ILI Outpatient Data (Sentinel Medical Sites)	41	2.7% of All Visits		3 ↑	
Hospital ED Data†:					
<i>Coded as ILI</i>	40	11.9% of All ED Visits		8 ↑	
<i>Complaint Defined as ILI ‡</i>	41	34.8% of ALL ED Visits		8 ↑	
<i>Categorized as Respiratory</i>	41	29% of All ED Visits		4 ↑	
Pediatric Urgent Care Data†:					
<i>Complaint Defined as ILI ‡</i>	41	72.8% of All PUC Visits		10 ↑	
<i>Categorized as Respiratory</i>	41	63.4% of All PUC Visits		4 ↑	
School Absences	41	9.6% Absent		7 ↑	
Death Certificate Pneumonia & Influenza Deaths†	41	8.4% of All Deaths		1 ↑	
Medication Data:					
<i>OTC Cough & Cold Sales</i>	41	10,671 Total Sales		3 ↑	
<i>Thermometer</i>	41	637 Total Sales		9 ↑	
<i>Antiviral Prescriptions</i>	40	8.4% of All Anti-Infective		7 ↑	

Cumulative Numbers as of August 1 - Oct. 22, 2009*, 12:00 PM

Reportable Conditions	Suspected	Confirmed
Influenza Clusters/Outbreaks Reported	1	0
Influenza Associated Hospitalizations (IAH) Reported	17	200
<i>IAH Confirmed Pandemic (H1N1) 2009**</i>	<i>Not Available</i>	99
Pediatric Influenza Associated Death Reported	0	1

*Numbers subject to fluctuations as lab results are received and suspects are determined confirmed or not a case. Due to reporting variations, these numbers may represent an undercount.

**Information provided for references (Reportable condition is any influenza associated hospitalization, regardless of influenza type)

†Franklin County, OH residents only (based on zipcode); ‡Broader definition used from previous weeks report to encompass more potential ILI

Pneumonia and Influenza (P&I) Mortality

In week 41 of 2009 (Oct. 11th, 2009 – Oct. 17th, 2009), 8.4% of all Columbus deaths were reported as due to pneumonia or influenza (Figure 1). Nationally, 6.7% of deaths reported were due to pneumonia or influenza in week 40. This national percentage is slightly above to the national epidemic threshold of 6.5%.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

The week 40 percentage of Franklin County resident BioSense ED hospital encounters is 11.9% for ILI coded chief complaints and 7.2% for ILI diagnosis (Figure 2). Specific complaints of influenza and defined influenza like illness symptoms continue to increase in both EDs and Pediatric Urgent Care sites (Figures 2-4).

Nationally, during week 40 of 2009, 6.1% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). This percentage is above the national baseline of 2.3%.

Laboratory Surveillance

During week 41 of 2009, reporting Franklin County sentinel laboratories tested 1,547 specimens, with 369 (23.9%) positive (Figure 5). The total number of tests done by local reporting labs from week 35 through week 41 is 6,681, with 1,111 positives (1,103 type A, 8 type B). Nationally, during week 40, WHO and NREVSS laboratories reported 13,921 specimens tested for influenza viruses, 4,093 (29.4%) of which were positive (Figures 3). During week 40, influenza B viruses co-circulated at low levels with 2009 influenza A (H1N1) viruses. Over 99% of all subtyped influenza A viruses reported to CDC this week were 2009 influenza A (H1N1) viruses. See <http://www.cdc.gov/flu/weekly/> for a comprehensive national report.

The table below shows 2009-10 (starting August 30th, 2009) cumulative PCR and culture influenza lab results from ODH lab (totals as of 10/19/2009).

Location	# Seasonal A (H1)	# Seasonal A (H3)	# Seasonal B	# Pandemic A (H1)	# PCR Influenza Not Detected
Franklin County	0	0	0	70*	148
Ohio	1	0	0	242	369

Source: ODH Lab (based on county of provider submitting specimen, not county of patient's residence)

*Not an official count of Pandemic Influenza A (H1N1) in Franklin County. Similar to the CDC and ODH, individual case counts are no longer being tracked. See <http://www.cdc.gov/flu/weekly/> or <http://www.cdrinfo.com/H1N1flu.html> for more details.

ED and Pediatric Urgent Care Respiratory Visits

In the 41st week of 2009, the percentage of all ED visits categorized as *respiratory* (28.9%) increased compared to the previous week (+16%). Similarly, the percentage of reporting Pediatric Urgent Care visits categorized as *respiratory* (63.4%) increased slightly compared to the previous week (+9%) (Figure 6).

Over-the-Counter Medication Sales and Antiviral Prescriptions

In week 41 of 2009, there were continued increases in several over-the-counter medication sales, including cough & cold medication, pediatric & adult anti-fever medication, thermometers, chest rubs, and throat lozenges (Figure 7). Additionally, in week 40, the percentage of Franklin County pharmacy prescriptions for antivirals, out of all anti-infective prescriptions, increased markedly compared to the previous weeks (Figure 8). During week 40, the national antiviral prescription percentage also increased.

Additional Influenza Activity Web Links:

National Pandemic H1N1 Situation Updates: <http://www.cdc.gov/h1n1flu/update.htm>

International Pandemic H1N1 Activity Map: <http://www.cdc.gov/h1n1flu/updates/international/map.htm>

World health Organization Situation Updates: <http://www.who.int/csr/disease/swineflu/updates/en/index.html>

Columbus & Franklin County Influenza Monitoring Summary – Week 41 (10/11/09-10/17/09)

**Figure 1: Percentage of Deaths due to Pneumonia and Influenza
Columbus, Ohio 2009-10**

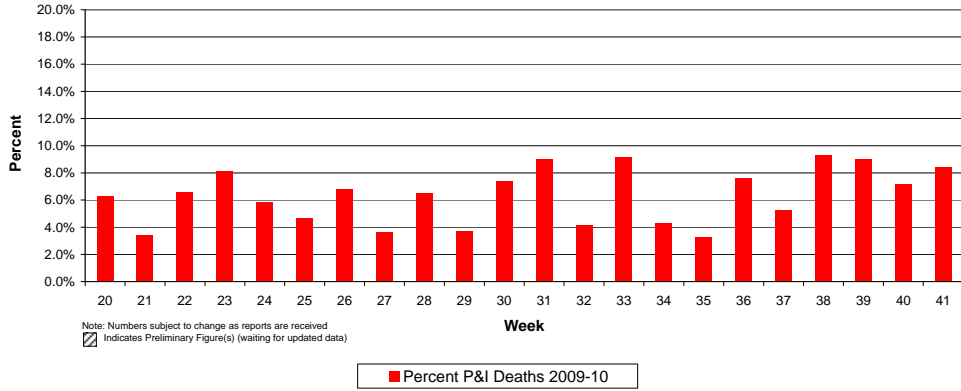


Figure 2: Percentage of Local, National, and HHS Region 5 ILI Outpatient visits and Percentage of Franklin County Resident BioSense Hospital ILI ED Visits, 2009-10

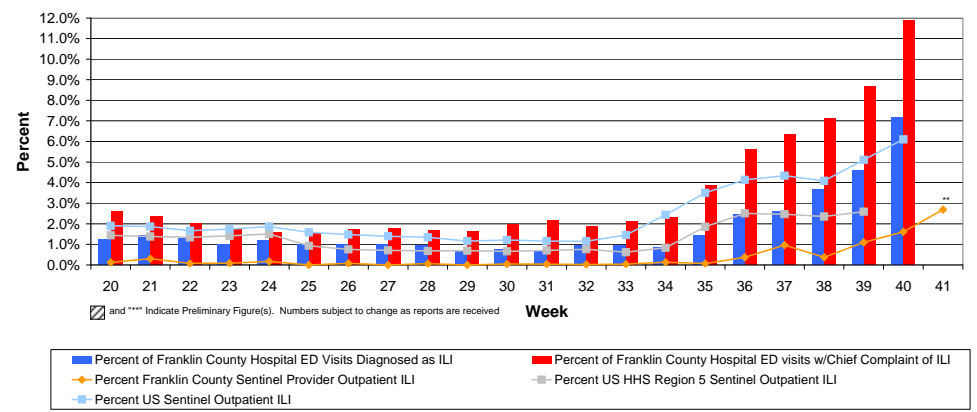


Figure 3: Franklin County Resident ILI Specific Complaint ED and Pediatric Urgent Care Visits, 2009-10, Franklin County, OH

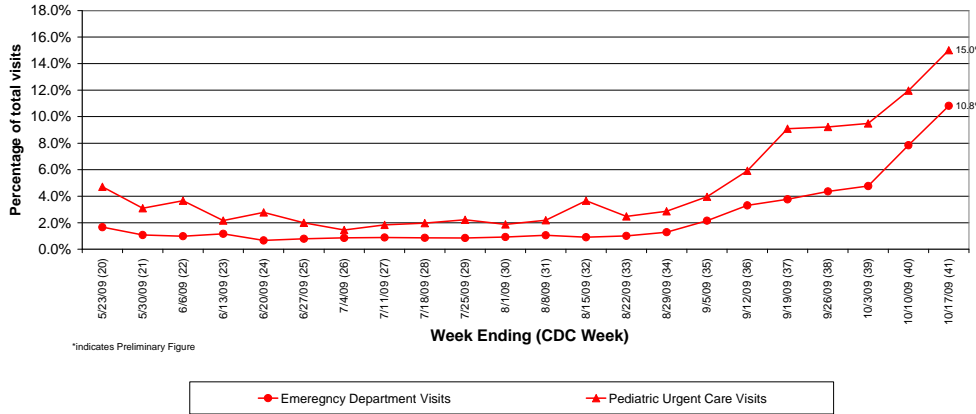
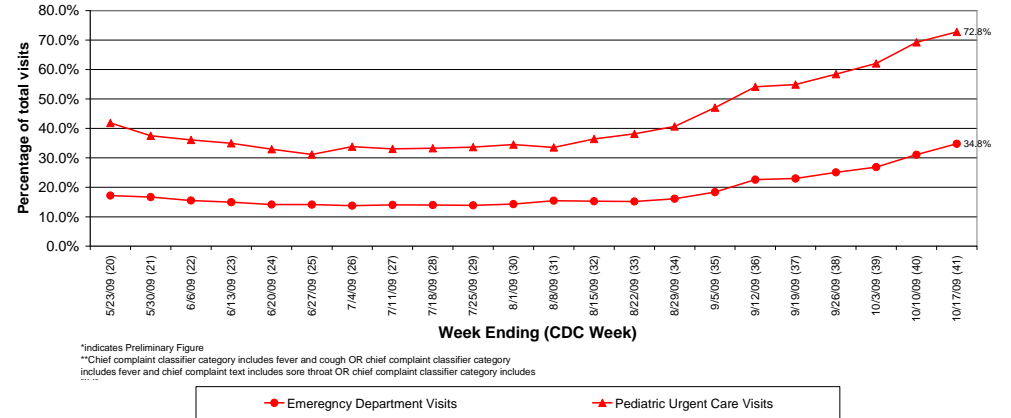


Figure 4: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2009-10, Franklin County, OH**



Columbus & Franklin County Influenza Monitoring Summary – Week 41 (10/11/09-10/17/09)

Figure 5: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2009-10

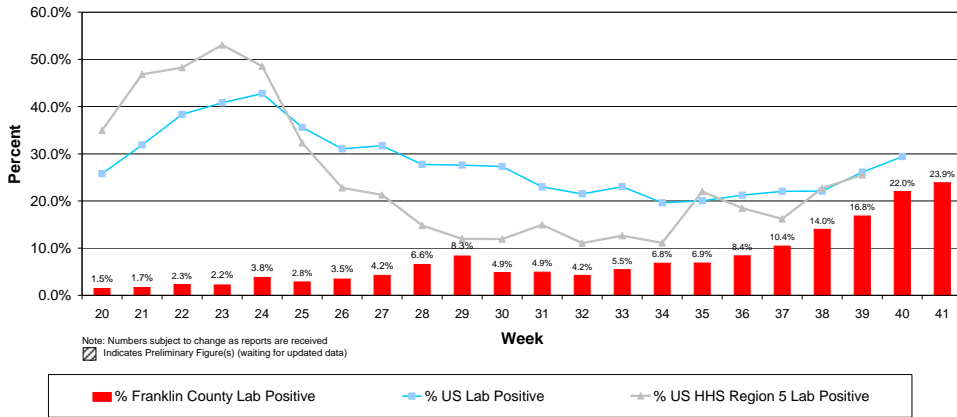


Figure 6: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2009-10, Franklin County, OH

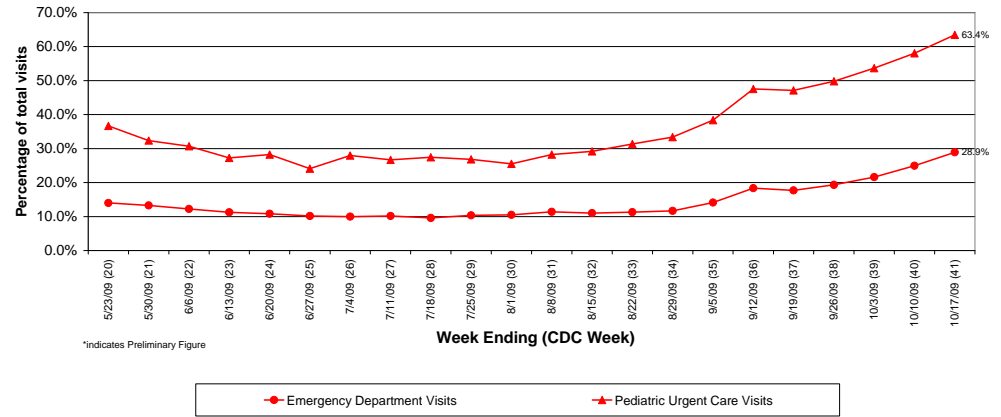


Figure 7: Selected Number of Over-the-Counter Medication Sales and Weekly Baseline Averages and Medians, 2009-10, Franklin County, OH

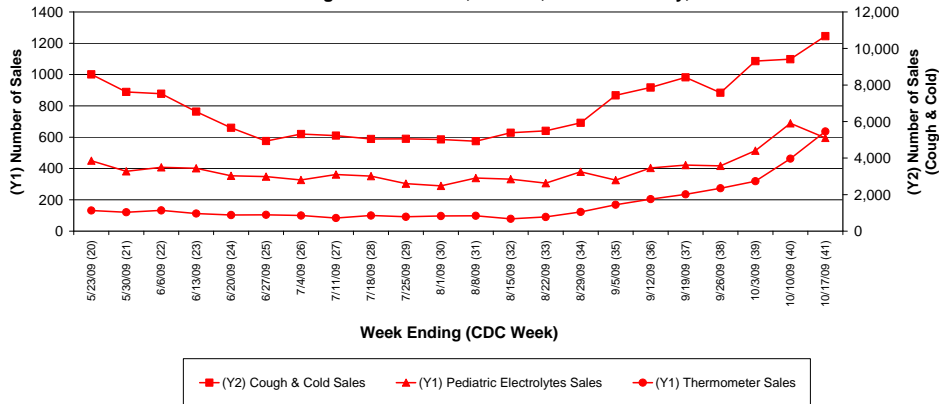


Figure 8: Percentage of Antiviral Prescriptions out of Total Number of Anti-Infective Prescriptions (Selected Pharmacies)

