
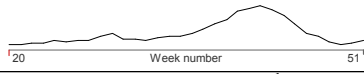

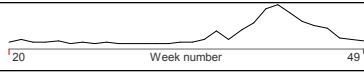

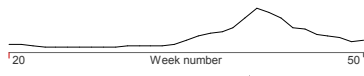

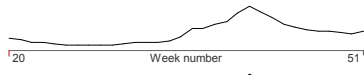

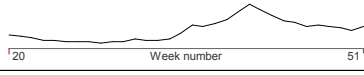
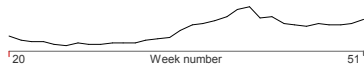
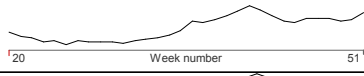





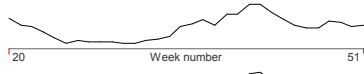

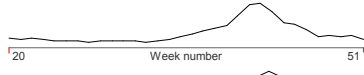

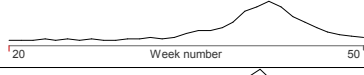

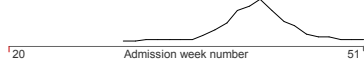


Summary & Highlights

Selected Columbus and Franklin County influenza activity indicators have increased compared to previous weeks. Generally, an increase from now through some time in February or March is seen during the typical flu season.

- Local Geographic Activity Designation (Click [here](#) for definitions) = SPORADIC
- Hospital labs reported 345 tests run with 12 positive results (3.5%) for week 51, this percentage positive is 47% higher than the previous week.
- Hospital emergency department (ED) and pediatric urgent care (PUC) ILI indicators and respiratory related visits increased, with figures for ED visits close to the baseline average for this time of year.
- In week 51, sales of over-the-counter medications mostly decreased (electrolytes, thermometers, anti-fever) with an increase in chest rub sales and stable cough and cold medication and throat lozenge sales. A decrease in antiviral prescriptions was reported in week 50 (most recent week available).
- Nationally, during week 50, influenza B viruses co-circulated at low levels with 2009 influenza A (H1N1) viruses. All subtyped influenza A viruses reported to CDC this week were 2009 influenza A (H1N1) viruses.

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

Indicators	Week Available	Current Week Value	% Change Chart from Last Week (-) (+)	# Weeks* ▲ ● ▼	General Trend Chart
Hospital Lab Data	51	3.5% Pos.	 47.0%	2 ▲	
ILI Outpatient Data (Sentinel Medical Sites)	49	0.23% of All Visits	-19.7% 	7 ▼	
Hospital ED Data†:					
Coded as ILI	50	4.1% of All ED Visits	 11.4%	1 ▲	
Complaint Defined as ILI‡	51	21.5% of All ED Visits	 7.1%	1 ▲	
Categorized as Respiratory	51	18.% of All ED Visits	 14.6%	1 ▲	
Pediatric Urgent Care Data†:					
Complaint Defined as ILI‡	51	59.2% of All PUC Visits	 9.1%	1 ▲	
Categorized as Respiratory	51	56.5% of All PUC Visits	 13.8%	2 ▲	
School Absences	50	7.5% Absent	-2.1% 	1 ▼	
Death Certificate Pneumonia & Influenza Deaths†	51	8.15% of All Deaths	-15.1% 	2 ▼	
Medication Data:					
OTC Cough & Cold Sales	51	7,585 Total Sales	 2.3%	1 ▲	
Thermometer	51	122 Total Sales	-32.6% 	1 ▼	
Antiviral Prescriptions	50	1.02% of All Anti-Infectives	-20.4% 	8 ▼	
Influenza Associated Hospitalization	51 (as of 12/29 12:00 PM)	4 Cases Reported	 100.0%	1 ▲	

Reportable Conditions**	Cumulative Numbers as of August 1 - Dec. 29, 2009*, 12:00 PM	
	Suspected	Confirmed
Influenza Clusters/Outbreaks Reported	1	0
Influenza Associated Hospitalizations (IAH) Reported	2	458
IAH Confirmed Pandemic (H1N1) 2009§	Not Available	264
Pediatric Influenza Associated Death Reported	0	2

*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.

**Based on assigned jurisdiction being Franklin County or City of Columbus and date case was created on the Ohio Disease Reporting System.

§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 than initial weekly reports to encompass more potential ILI.

¥ Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%)

Pneumonia and Influenza (P&I) Mortality

In week 51 of 2009 (Dec. 20th, 2009 – Dec. 26th, 2009), 8.1% of all Columbus deaths were reported as due to pneumonia or influenza (Figure 1). Nationally, 7.2% of deaths reported were due to pneumonia or influenza in week 50. This national percentage was below the national epidemic threshold of 7.3%.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

Outpatient visits for ILI at sentinel medical practice reporting site data is incomplete for week 50 at the time of this report and is not presented here. The week 50 percentage of Franklin County resident BioSense ED hospital encounters is 4.1% for ILI coded chief complaints and 2.3% for ILI diagnosis (Figure 2). For the most part, specific complaints of influenza and defined influenza like illness symptoms have increased slightly compared to the previous week for ED and Pediatric Urgent Care sites (Figures 2-4). In week 50, the ED percentage of visits for ILI defined symptoms is similar to the weekly average typically seen in past seasons.

Nationally, during week 50 of 2009, 2.3% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). This is the 8th week in a row that the national percentage has decreased. This percentage is at the national baseline of 2.3%.

Laboratory Surveillance

During week 51 of 2009, reporting Franklin County sentinel laboratories tested 345 specimens, with 12 (3.5%) positive (Figure 5). The total number of tests done by local reporting labs from week 35 through week 51 is 13,932, with 2,192 positives (2,182 type A, 10 type B). Nationally, during week 50, WHO and NREVSS laboratories reported 4,440 specimens tested for influenza viruses, 306 (6.9%) of which were positive (Figure 3). During week 50, influenza B viruses co-circulated at low levels with 2009 influenza A (H1N1) viruses. 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 12/30/2009).

Location	# Seasonal A (H1)	# Seasonal A (H3)	# Seasonal B	# Pandemic A (H1)	# PCR Influenza Not Detected
Franklin County	0	0	0	139*	272
Ohio	1	1	0	1,185*	1,643

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 or Ohio. Similar to the CDC and ODH, individual case counts are no longer being tracked. Testing at ODH is limited to those meeting criteria. See <http://www.cdc.gov/flu/weekly/> or <http://www.cdrcinfo.com/H1N1flu.html> for more details.

ED and Pediatric Urgent Care Respiratory Visits

In the 51st week of 2009, the percentage of all ED visits categorized as *respiratory* (18.0%) is higher than the percentage seen the previous week. Also, the percentage of reporting Pediatric Urgent Care visits categorized as *respiratory* (56.5%) is higher than the previous week (Figure 6).

Over-the-Counter Medication Sales and Antiviral Prescriptions

In week 51 of 2009, there were decreases in electrolyte, thermometer, and anti-fever medication sales. An increase in chest rub sales and stable cough & cold medication and throat lozenge sales were also noted (Figure 7). In week 50 (latest week available), the percentage of Franklin County pharmacy prescriptions for antivirals, out of all anti-infective prescriptions, decreased for the 8th week in a row (Figure 8). During week 50, the national antiviral prescription percentage also decreased.

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 51 (12/20/09-12/26/09)

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

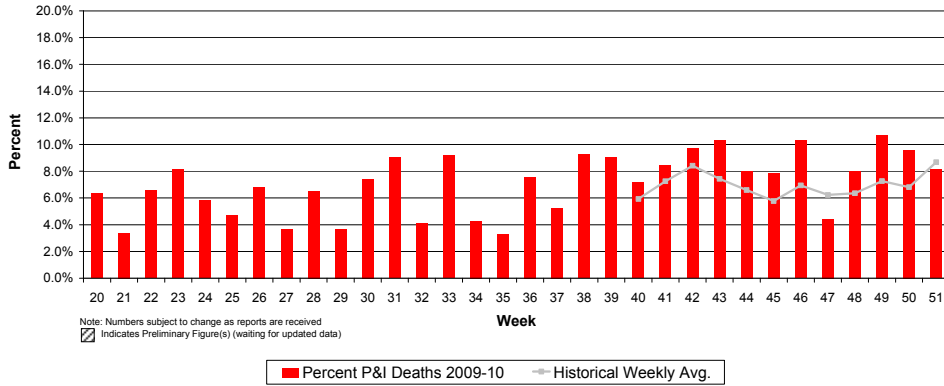
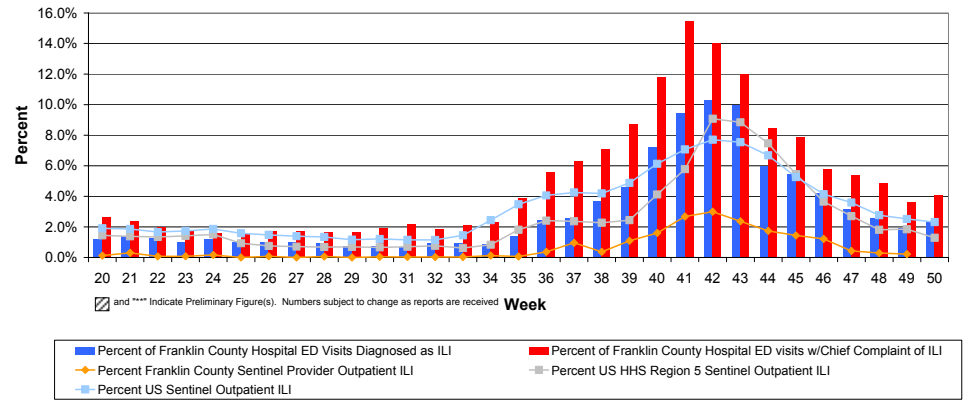


Figure 2: Percentage of Local, National, and HHS Region 5 ILI Outpatient visits and Percentage of Franklin County Resident BioSense Hospital ILI ED Visits, 2009-10



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

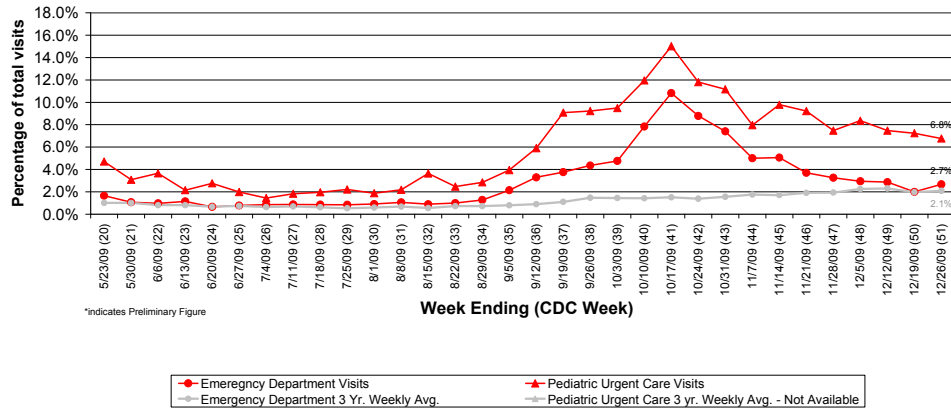
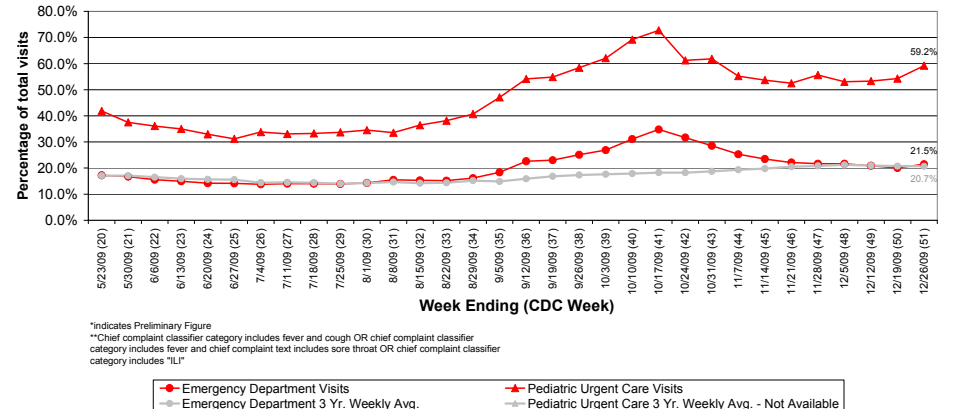


Figure 4: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2009-10,
Franklin County, OH**



Columbus & Franklin County Influenza Monitoring Summary – Week 51 (12/20/09-12/26/09)

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

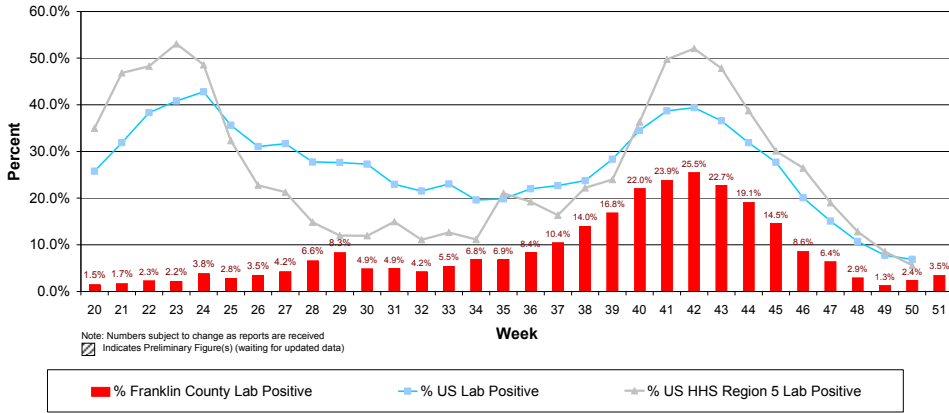


Figure 6: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2009-10, Franklin County, OH

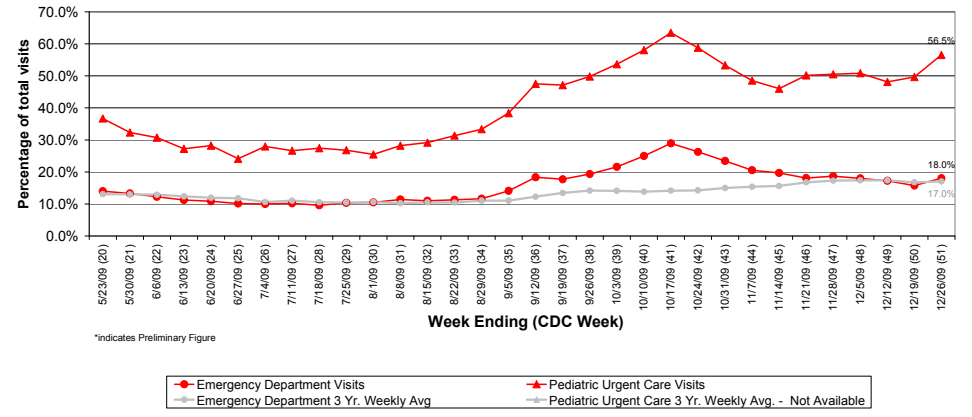


Figure 7: Selected Number of Over-the-Counter Medication Sales and Weekly Baseline Averages and Medians, 2009-10, Franklin County, OH

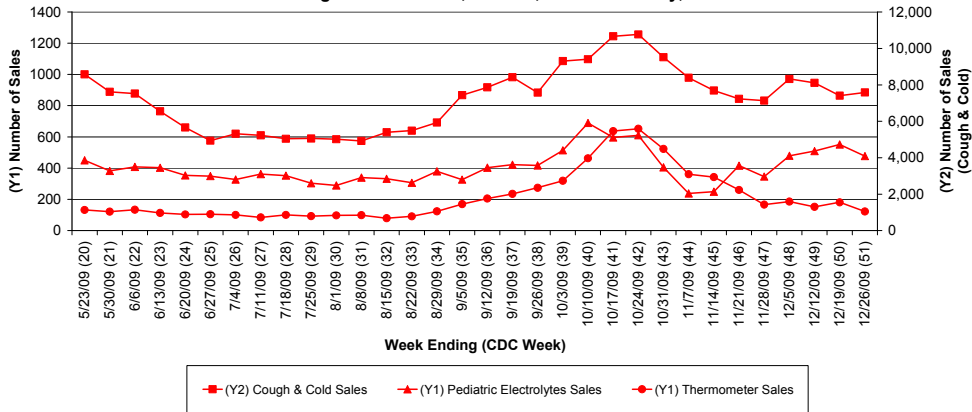


Figure 8: Percentage of Antiviral Prescriptions out of Total Number of Anti-Infective Prescriptions (Selected Pharmacies)

