

COLUMBIA/BOONE COUNTY DEPARTMENT OF
PUBLIC HEALTH AND HUMAN SERVICES

2016-2017

BOONE COUNTY, MISSOURI

FLU SEASON REPORT

OCTOBER 2, 2016 TO MAY 20, 2017

PUBLISHED AUGUST 2017



There were 1,452 cases of influenza reported in Boone County during the 2016-2017 season (Figure 1). According to the Centers for Disease Control and Prevention (CDC), influenza A (H3N2) viruses predominated overall during this season. In seasons where H3N2 is the dominant strain, the season tends to have high numbers of reported cases along with more severe symptoms. Of the reported cases in Boone County, 1,204 were influenza type A (83% of all reported cases) while there were 244 reported cases of influenza type B (17% of all reported cases). Four cases of unknown/untyped were also reported. When compared with the previous five flu seasons, 2016-2017 had the second highest total number of reported cases (Figure 4).

The 2016-2017 season in Boone County (Figure 3) is characterized by a peak occurring the week beginning February 5, 2017 (CDC Week 6). Two hundred sixty-seven cases were reported that week (245 type A; 22 type B). There were fewer reported influenza type B cases this season compared to the previous two seasons.

In Boone County, the 15-24 year old age group had the highest number of reported cases with 431 (30% of all reported cases). However, the 0-4 year old age group had the highest rate of reported flu cases with 1,131/100,000 (Figure 1). Children have higher rates of doctor visits and hospitalizations due to influenza. This leads to school absenteeism and lost work days among parents of children with influenza. Across Missouri, the 0-4 age group had the highest incidence rate (2,785/100,000) compared to all other age groups.

Compared to the state of Missouri rates, Boone County saw a lower overall rate of influenza per 100,000 persons. Boone County's cumulative rate was 841/100,000, while the state was 1,179/100,000 (Figure 2).

Figure 1

Reported Influenza in Boone County By Type and Age Group 2016-2017 Season					
Age Group	Influenza A	Influenza B	Unknown / Untyped	Total	Percent of Total
0-1	31	9	0	40	3%
2-4	64	12	1	77	5%
5-14	139	19	0	158	11%
15-24	370	61	0	431	30%
25-49	265	68	2	335	23%
50-64	170	43	0	213	15%
65+	164	33	1	198	14%
Total	1,203	245	4	1,452	100%

Figure 2

Incidence Rate Per 100,000 by Age Group*		
Age Group	Boone County	Missouri
0-4	1,131	2,785
5-14	811	2,519
15-64	785	803
65+	1,093	1,010
Cumulative Incidence Rate	841	1,179

*2014 estimated population

Figure 3

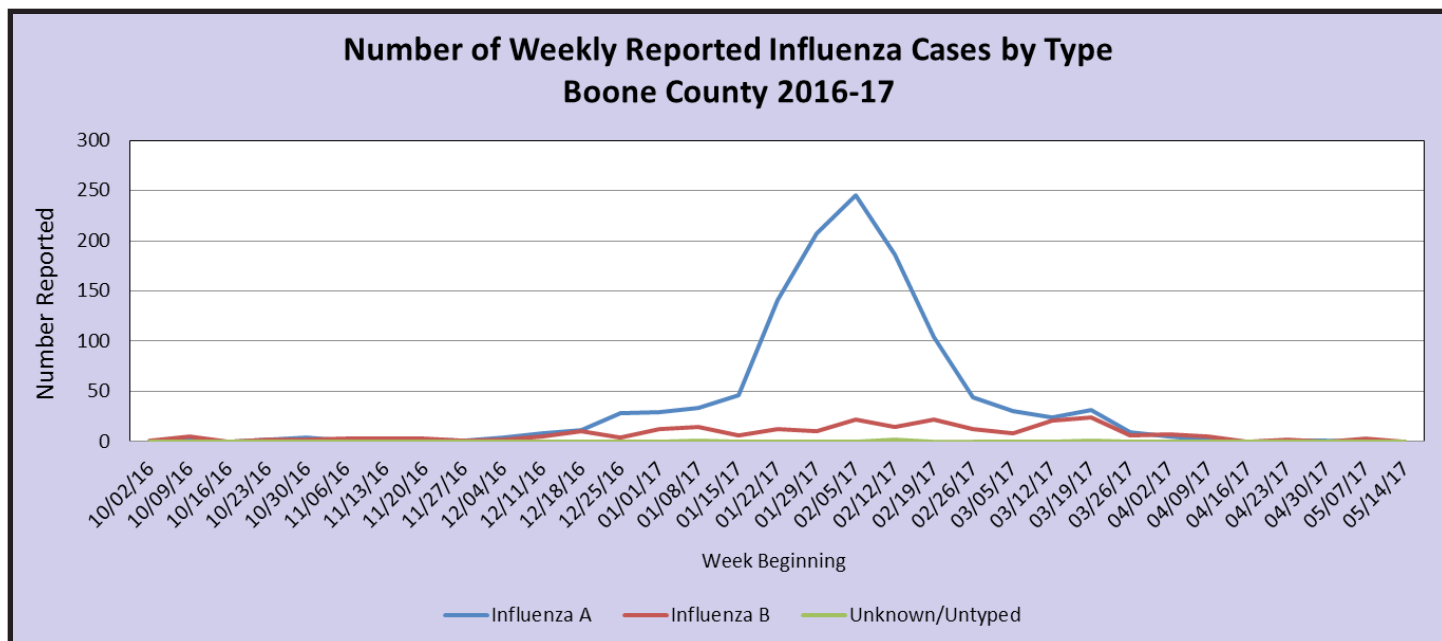
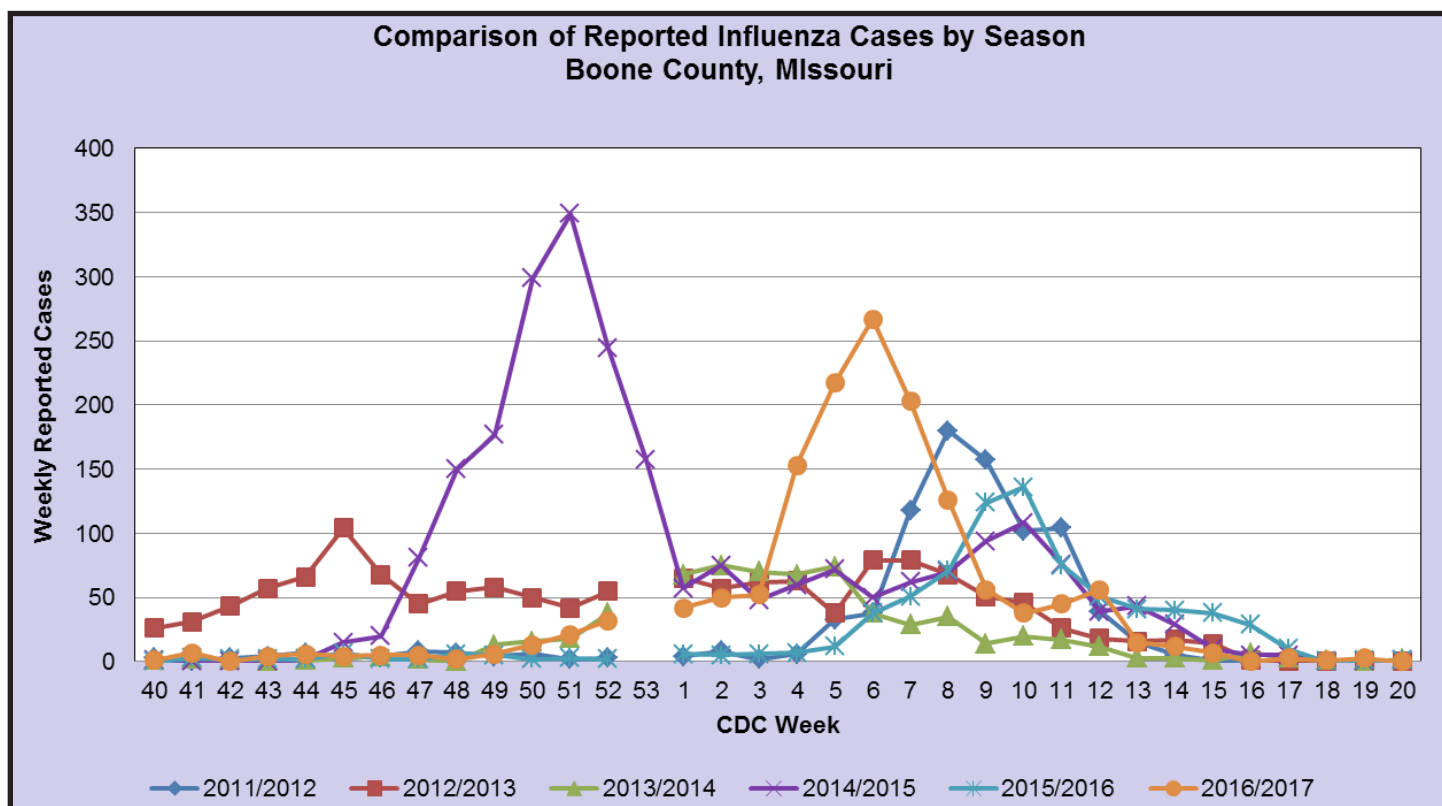


Figure 4



Prepared by:

Jason Wilcox, Senior Planner

Sarah Rainey, Epidemiology, Planning and Evaluation Supervisor

Columbia/Boone County Department of Public Health and Human Services

1005 West Worley St., Columbia, MO 65203

T: 573.874.7355 E: health@CoMo.gov



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