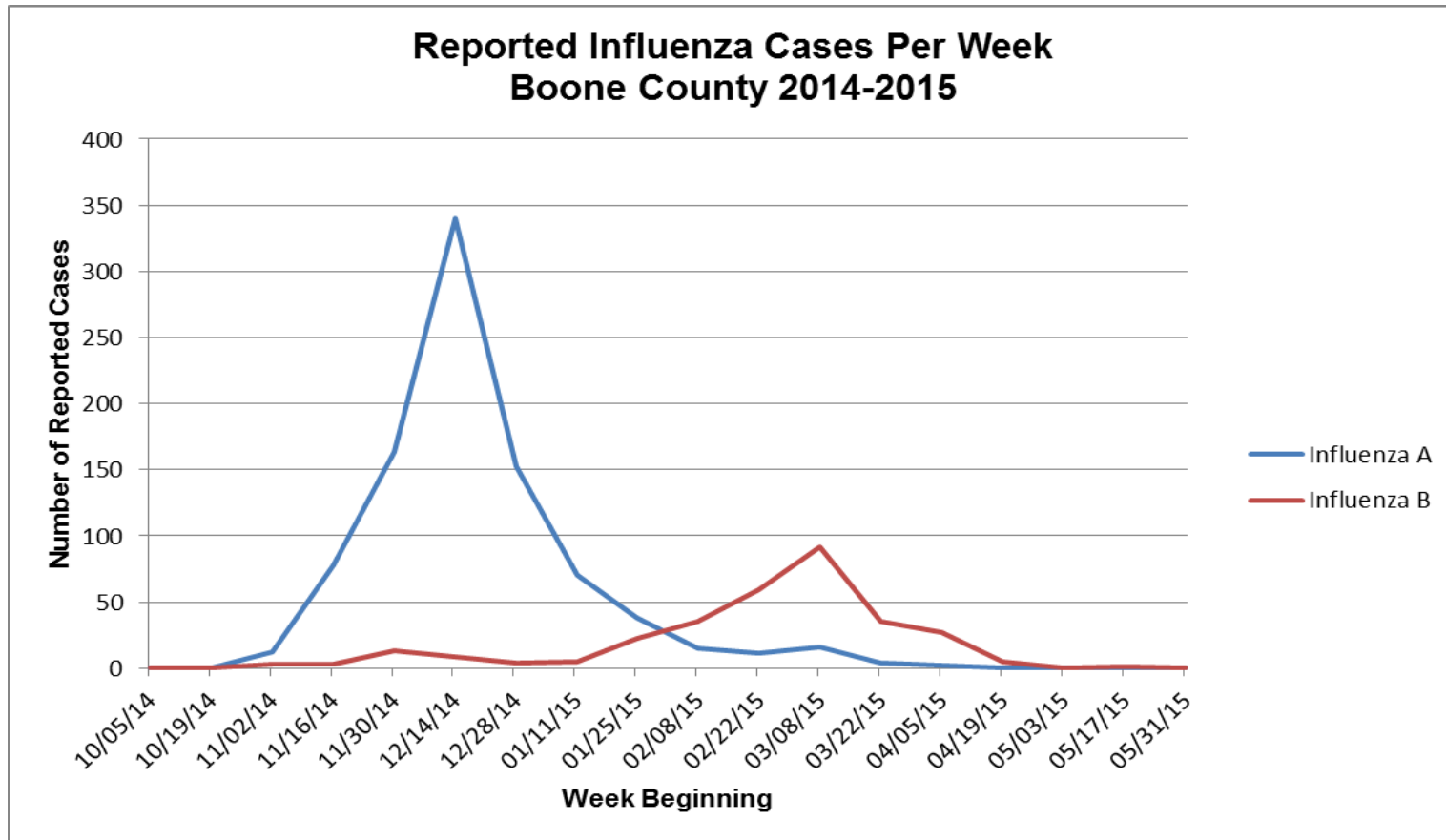


Columbia/Boone County Department of Public Health & Human Services

2014-2015 Boone County Influenza Report

Figure 1



A total of 2,399 cases of influenza were reported in Boone County during the 2014-2015 season (Figure 2). 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. During the season, CDC recognized that almost two-thirds of the H3N2 virus that was circulating had drifted from the recommended vaccine. Of the reported cases in Boone County, 1,784 were influenza type A (74% of all reported cases) while there were 615 reported cases of influenza type B (26% of all reported cases). Reported cases were not subtyped (i.e. H3N2, H1N1). When compared with the previous three flu seasons, 2014-2015 had the highest total number of reported cases (Figure 4).

The 2014-2015 season in Boone County (Figure 1) was characterized by an early peak occurring the week beginning December 14, 2014 (CDC Week 51), followed by a smaller peak in numbers during the week beginning March 8, 2015 (CDC Week 10). A total of 349 reported cases occurred during CDC Week 51, with 340 type A and nine type B. Beginning the week of February 1, 2015, type B became the predominant strain for the remainder of the season. Type B peaked during CDC Week 10 (week beginning March 8, 2015) with 92 reported cases.

In Boone County, the 5-14 year old age group had the highest number of reported cases with 567 (23.6% of all reported cases). However, the 0-4 year old age group had the highest rate of reported flu cases with 3,194.9/100,000. Despite the low population numbers of the 0-4 age group, they had the highest burden of reported flu cases. Influenza trends in Boone County were similar to state-wide trends. At the state-level, there were a total of 54,316 reported cases, with the highest number of cases occurring in the 15-64 year old age group (21,616 reported cases). Figure 3 below compares incidence rates between Boone County and Missouri.

Figure 2

<b>Reported Influenza in Boone County By Type and Age Group 2014-2015 Season</b>				
Age Group	Influenza A	Influenza B	Total	Percent of Total
0-1 Yrs	127	29	156	6.5%
2-4 Yrs	160	34	194	8.1%
5-14 Yrs	480	87	567	23.6%
15-24 Yrs	293	177	470	19.6%
25-49 Yrs	339	177	516	21.5%
50-64 Yrs	163	58	221	9.2%
65+	222	53	275	11.5%
<b>Total</b>	<b>1,784</b>	<b>615</b>	<b>2,399</b>	<b>100%</b>

Figure 3

<b>Incidence Rate Per 100,000 by Age Group*</b>		
<b>Age Group</b>	<b>Boone County</b>	<b>Missouri</b>
<b>0-4</b>	3,194.9	2,616.0
<b>5-14</b>	3,058.4	1,930.0
<b>15-64</b>	944.3	544.0
<b>65+</b>	1,682.2	862.0
<b>Cumulative Incidence Rate</b>	<b>1,423.4</b>	<b>902.0</b>

\*2012 estimated population

Figure 4

