

Columbia/Boone County
Public Health & Human
Services

2018-19 FLU SEASON REPORT

*September 30, 2018 -
May 18, 2019*

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In Missouri, influenza is a communicable disease reported year round. This report summarizes the 2018-2019 season beginning September 30, 2018 (CDC Week 40) and lasting to May 18, 2019 (CDC Week 20). Boone County had 2,476 reported cases of influenza during the 2018-19 season (Figure 1). According to the Centers for Disease Control and Prevention (CDC), influenza A viruses predominated across the United States during this season. Specifically, two subtypes of Influenza A were identified: (H1N1)pdm09 and H3N2. CDC reports that Influenza A (H1N1)pdm09 predominated earlier in the season (October-mid February). Influenza A H3N2 became more commonly identified beginning late February. Of the reported cases in Boone County, 2,237 were Influenza A (90% of all reported cases), while 235 were Influenza B (10%). Four unknown/untyped flu cases were also reported during the season.

The peak of the season occurred during the week beginning March 3, 2019 (CDC Week 10) with 352 reported cases.

In Boone County, the 5-14 year old age group reported the highest number of influenza cases with 660 (27% of all cases). The 25-49 year old age group reported the second highest number of cases with 616 (25% of all cases). However, the 0-4 year old age group had the highest rate of reported flu cases with 3,030.59/100,000 (Figure 2). While this group has the lowest population in Boone County compared to the other age groups (10,559 out of a county population of 174,974), the 0-4 year old age group is at the highest risk of getting the flu. By age group, 0-4 had the highest rate of influenza in Missouri with 3,907.20/100,000. Overall, Boone County had a higher rate of influenza per 100,000 persons in each age group compared to Missouri during the 2018-19 season.

Figure 1

Reported Influenza in Boone County By Type and Age Group 2018-19 Season					
Age Group	Influenza A	Influenza B	Unknown/Untyped	Total	Percent of Total
0-1 Yrs.	113	12	0	125	5%
2-4 Yrs.	184	11	0	195	8%
5-14 Yrs.	624	34	2	660	27%
15-24 Yrs.	351	55	1	407	16%
25-49 Yrs.	539	76	1	616	25%
50-64 Yrs.	213	29	0	242	10%
65+ Yrs.	213	18	0	231	9%
Total	2,237	235	4	2,476	100%

Figure 2

Incidence Rate Per 100,000 by Age Group*		
Age Group	Boone County	Missouri
0-4	3,030.59	3,907.20
5-24	1,759.10	2,054.45
25-49	1,097.08	774.71
50-64	845.80	629.26
65+	1,215.92	698.28
Cumulative Rate	1,415.07	1,263.43

*2015 estimated population

Figure 3

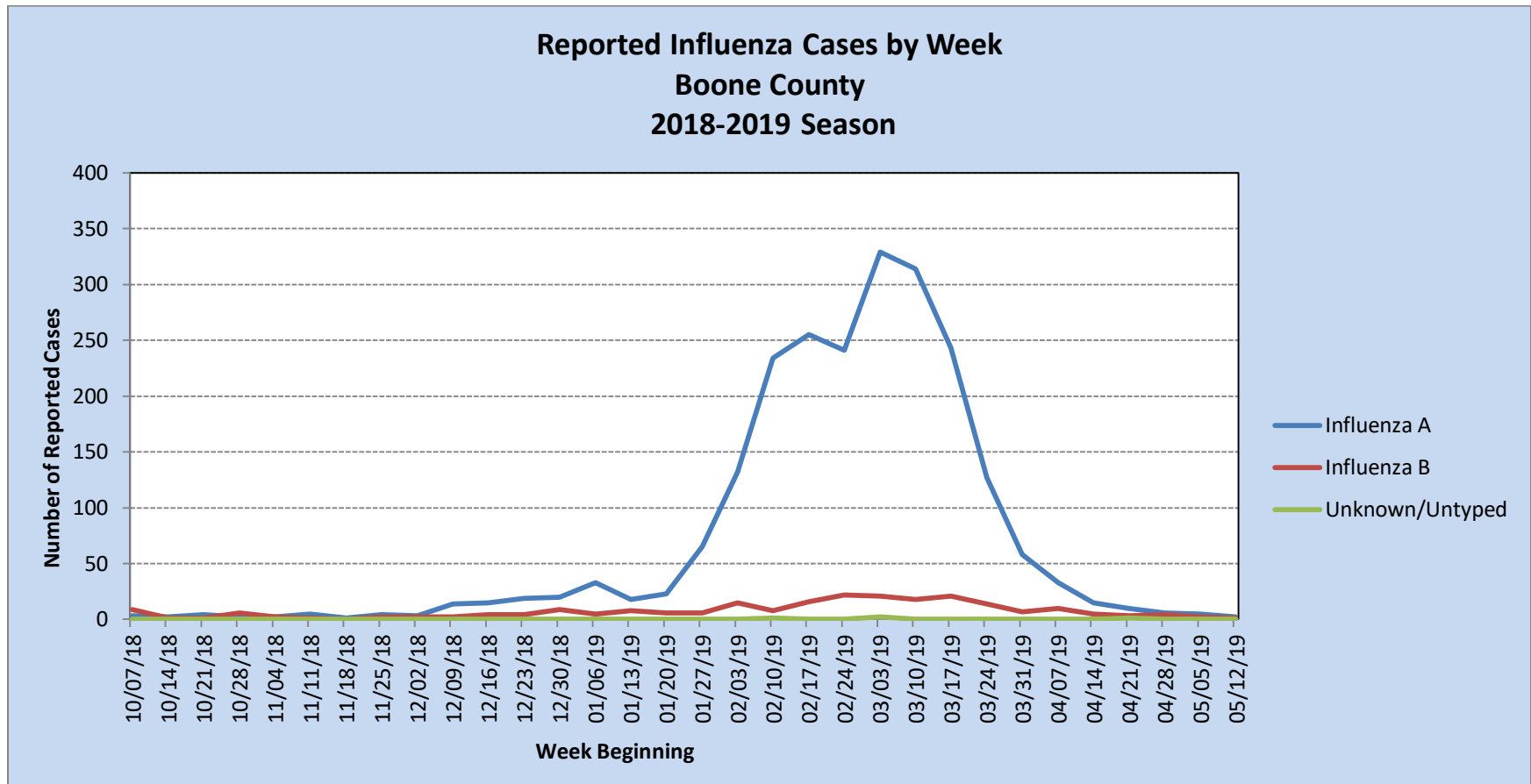
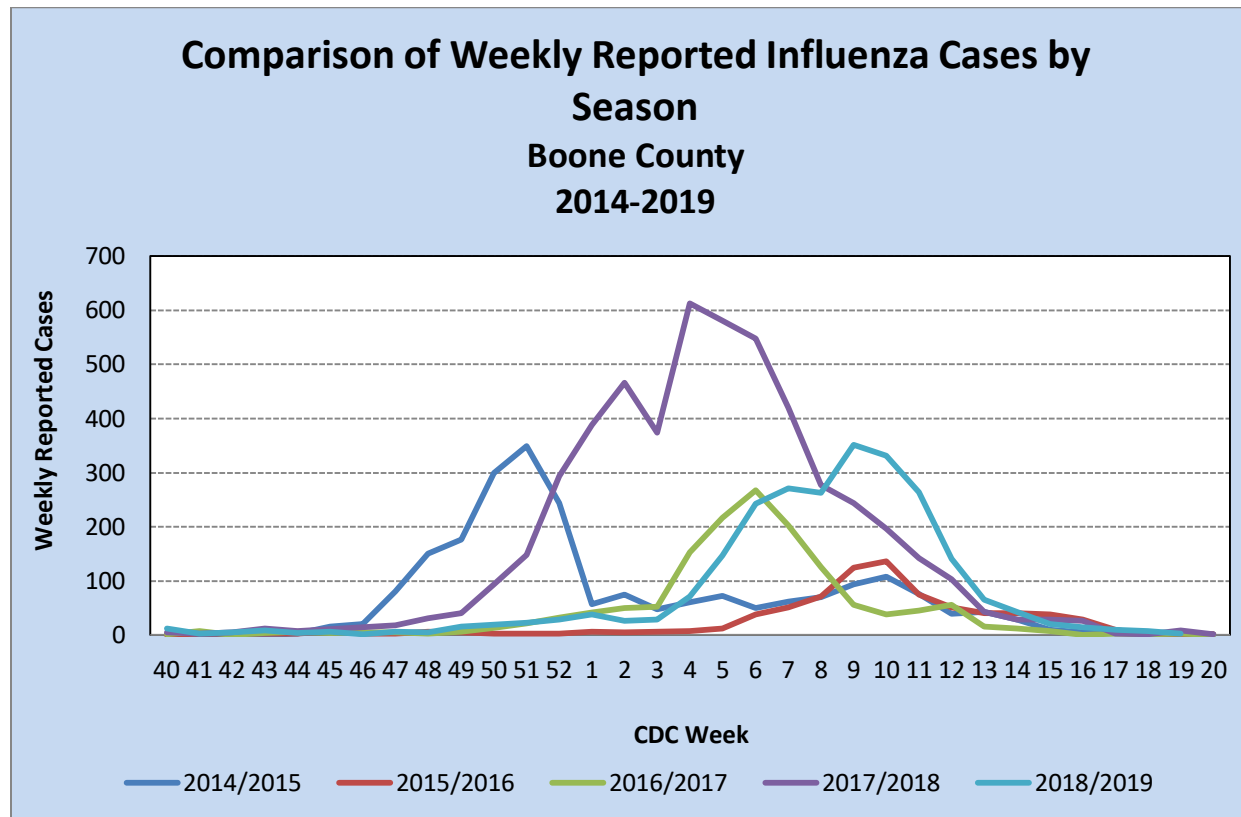


Figure 4



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