

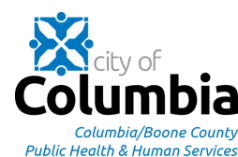
**Columbia/Boone County
Public Health and Human Services**

2022-2023



FLU SEASON REPORT

Published August 2023



In Missouri, influenza is a communicable disease reported year-round. This report summarizes the 2022-2023 Boone County, Missouri influenza season from Sunday, Oct. 2, 2022, (CDC Week 40) through May 20, 2023 (CDC Week 20).

According to the Centers for Disease Control and Prevention (CDC), influenza A viruses predominated across the United States during this season. Specifically, three subtypes of influenza A were identified: (H1N1)pdm09, H3N2 and H3N2v. Influenza A cases peaked during CDC week 48. Though comparatively fewer, there were cases of influenza B reported as well, specifically the Victoria lineage, with some lineage not performed.

Boone County had 2,645 reported cases of influenza during the 2022-2023 season (Figure 1). Of the reported cases in Boone County, 2,376 were influenza A (90%), while 266 were influenza B (10%). Three unknown/untyped flu cases were also reported during the season. The peak of the season occurred during the week ending Dec. 10, 2022, (CDC Week 49) with 441 reported cases.

In Boone County, the 5- to 14-year-old age group reported the highest number of influenza cases with 774 (29%). The 25- to 49-year-old age group reported the second-highest number of cases with 503 (19%). However, the 0- to 4-year-old age group had the highest rate* of reported flu cases with 3,552.18/100,000 (Figure 2).

While this group has the lowest population in Boone County compared to the other age groups (10,388 out of a county population of 180,463), the 0- to 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 4,342.53/100,000. Overall, Boone County had a lower rate of influenza per 100,000 persons in each age group compared to Missouri during the 2022-2023 season, with the exception of the 65+ age group.

Figure 3 outlines the weekly reported cases of influenza A and B in Boone County during the 2022-2023 flu season. Figure 4 displays a comparison in weekly reported influenza cases from the 2018-2019 season through the most current season.

*a rate is determined by dividing the number of new cases of a particular disease by the number of persons at risk for the disease. A standard rate of individuals per 100,000 is used in this report.

Figure 1:

Reported Influenza in Boone County By Type and Age Group 2022-2023 Season					
Age Group	Influenza A	Influenza B	Unknown/ Untyped	Total	Percent of Total
0-1 Yrs	131	20	0	151	6%
2-4 Yrs	193	25	0	218	8%
5-14 Yrs	734	39	1	774	29%
15-24 Yrs	353	45	1	399	15%
25-49 Yrs	440	63	0	503	19%
50-64 Yrs	244	31	0	275	10%
65+	281	43	1	325	12%
Total	2,376	266	3	2,645	100%

Figure 2:

Incidence Rate Per 100,000 by Age Group		
Age Group	Boone County	Missouri
0-4	3,552.18	4,342.53
5-24	1,956.53	2,904.40
25-49	857.86	1,188
50-64	968.17	999.66
65+	1,407.90	1,110.13
Cumulative Rate	1,465.67	1,764.31

Figure 3:

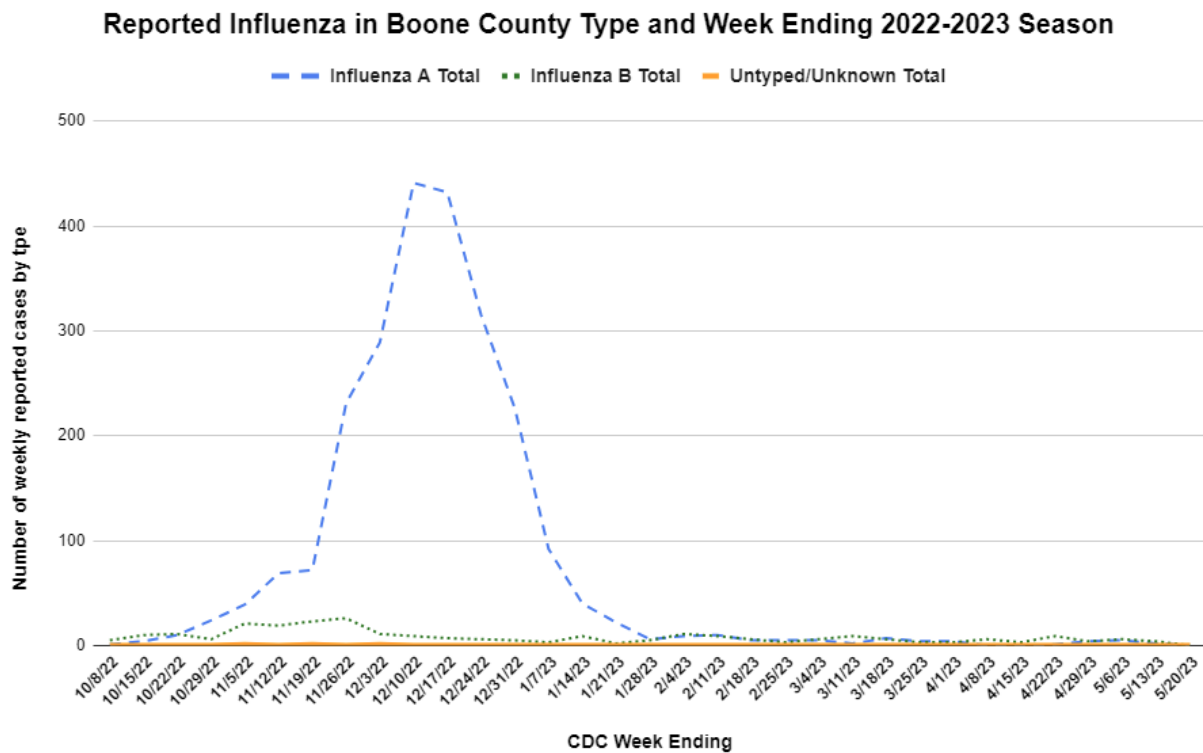
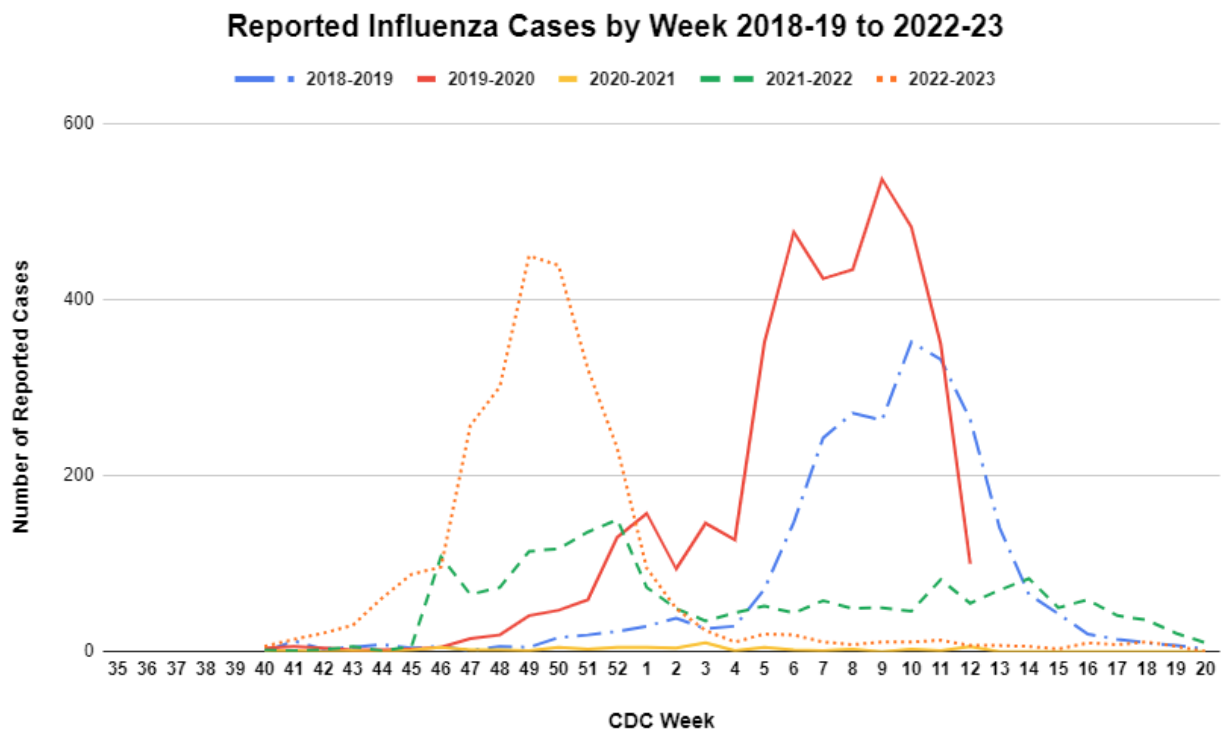


Figure 4:



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