

Respiratory Illness Report

Week Ending May 20, 2023

Season Summary

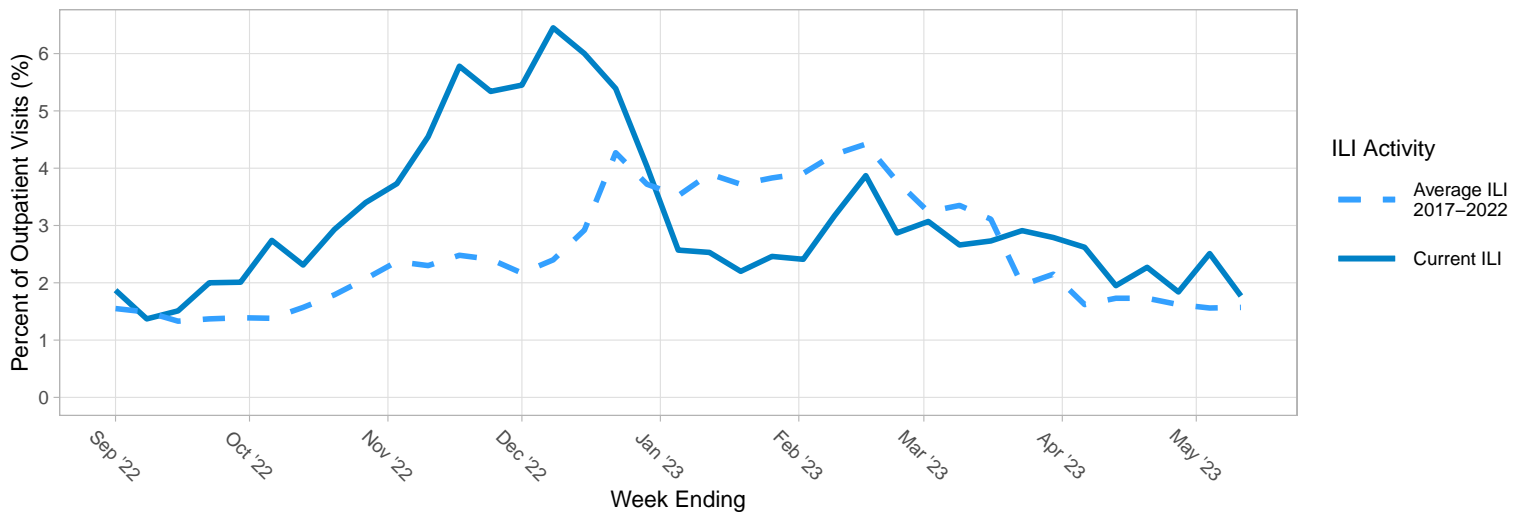
The 2022-2023 influenza season saw changes in respiratory disease patterns likely brought about by the COVID-19 pandemic (and the ensuing response). Perhaps the most notable event was the “triple-demic,” which is when COVID-19, influenza, and RSV all saw simultaneous increases (see Graph 3). Both influenza and RSV began increasing in fall 2022, which is earlier than usual. This is believed to have happened because of a lack of exposure and immunity to these viruses due to COVID-19 control measures (masking, reduced travel, and social distancing). As general adherence to those measures waned, these viruses were able to surge.

From September 4, 2022 through May 20, 2023, Davis County saw 144 influenza- and 163 COVID-19-associated hospitalizations. In addition, syndromic surveillance identified 907 influenza-, 1,311 COVID-19-, and 634 RSV-associated emergency department visits.

Influenza-Like Illness

Graph 1 displays the weekly percentage of outpatient visits due to influenza-like illness (ILI). For comparison, the dashed line shows the previous 5-year average (2017-2022) of ILI activity.

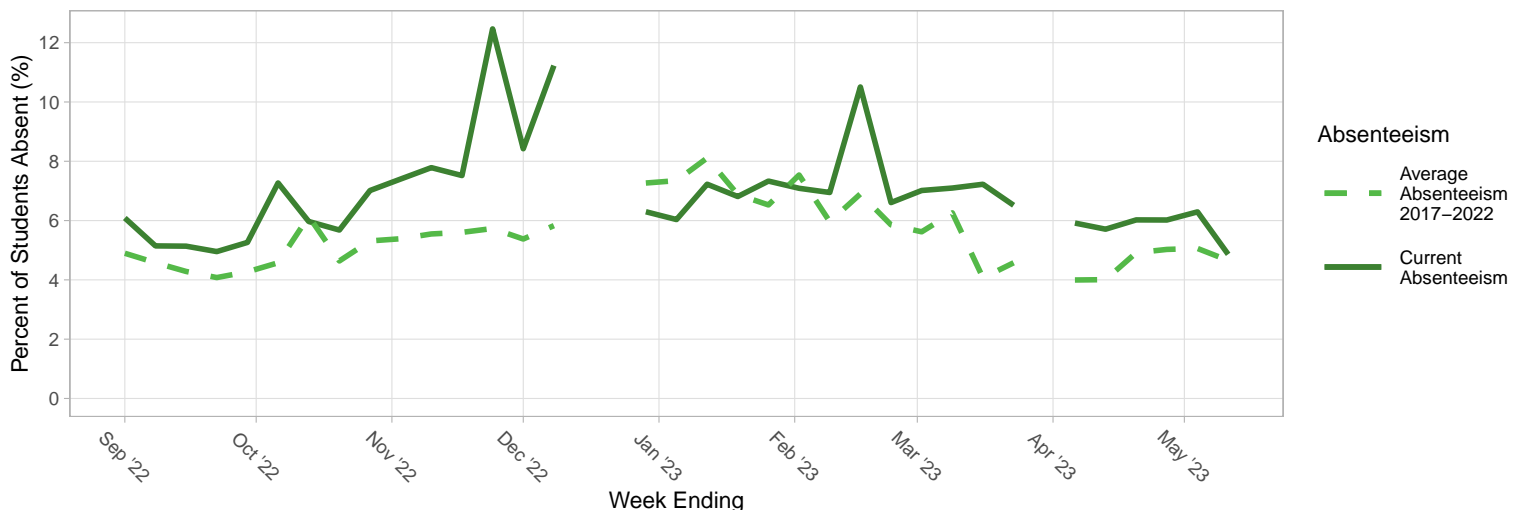
Graph 1. Percent of Outpatient Visits due to Influenza-Like Illness, by Week, Davis County, Utah



School Absenteeism

Graph 2 displays the weekly percentage of elementary school absenteeism in Davis School District. For comparison, the dashed line shows the previous 5-year average (2017-2022) of elementary school absenteeism.

Graph 2. Percentage of Elementary School Absenteeism, by Week, Davis School District, Utah



Emergency Department Visits

Graph 3 displays the rolling 7 day average of the percent of emergency department (ED) visits due to COVID-19, influenza, and respiratory syncytial virus (RSV). These data are obtained from syndromic surveillance and only consider the diagnosis discharge codes for each condition. Table 1 presents two data points for each virus: the current trend of ED visits for each virus (increasing, decreasing, or no change), and the count of ED visits during that time frame.

Graph 3. Percent of ED Visits due to COVID-19, Influenza, & RSV, Rolling 7-day Average, Davis County, Utah

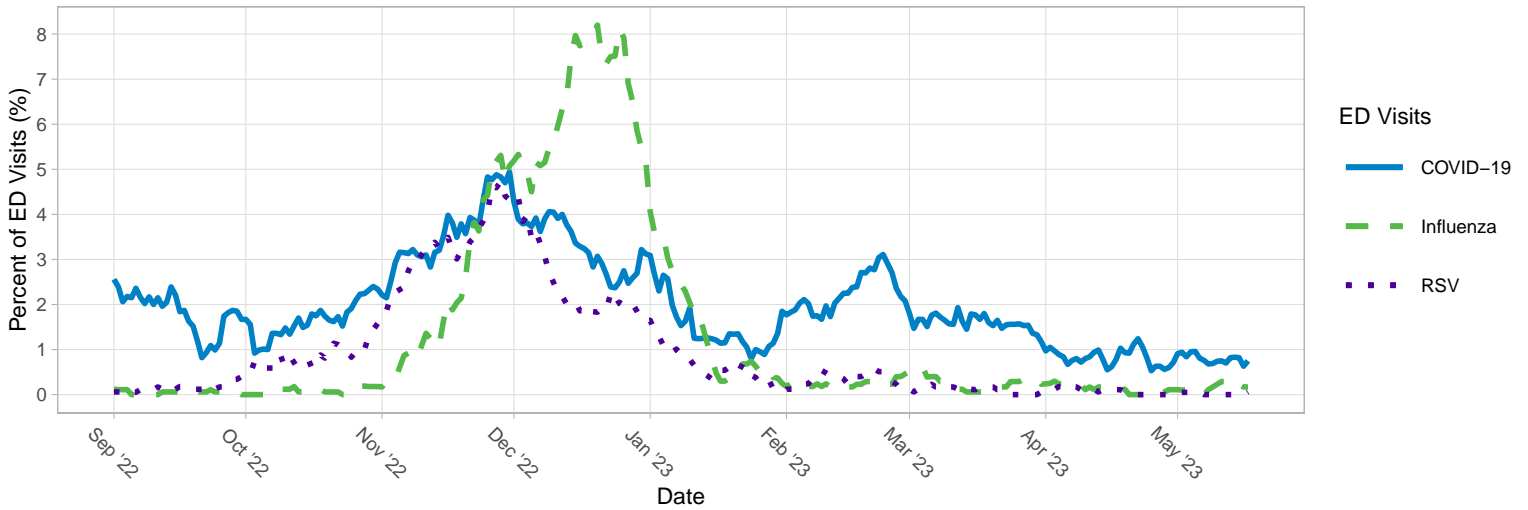


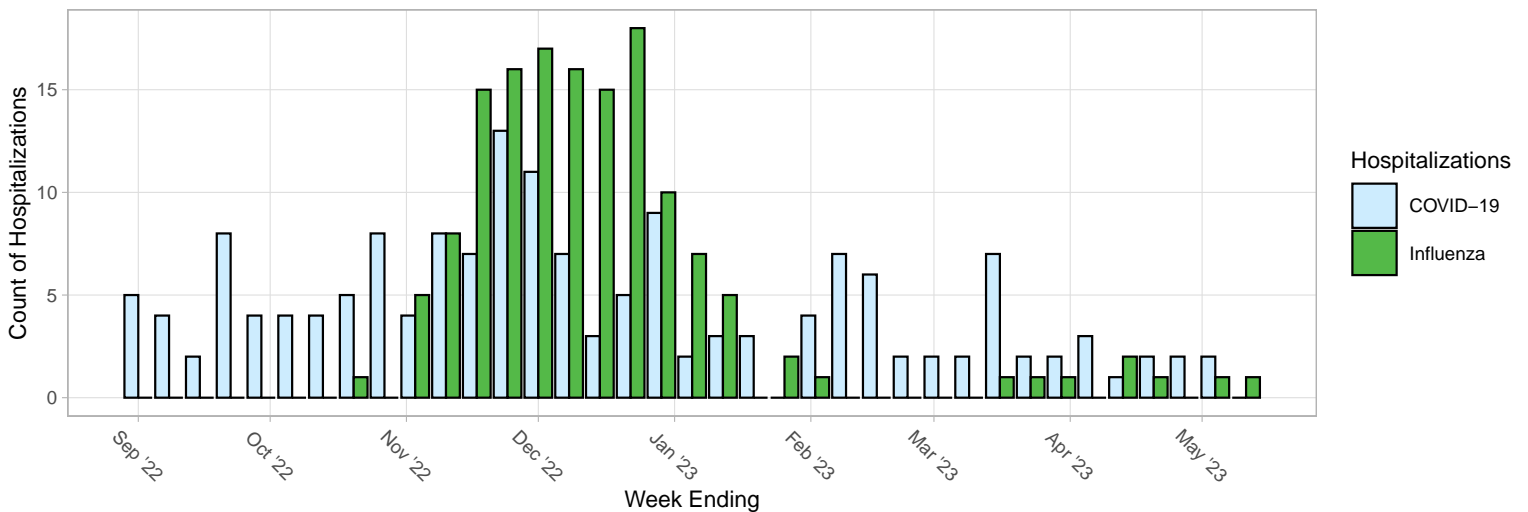
Table 1: Recent Trends of ED Visits, Davis County, Utah, for Week Ending May 20, 2023

Virus	Trend	Count of ED Visits
COVID-19	Plateau/no trend (last 14 days)	26 (last 14 days)
Influenza	Increasing (last 14 days)	7 (last 14 days)
RSV	Plateau/no trend (last 14 days)	1 (last 14 days)

Hospitalizations

Graph 4 displays the weekly count of hospitalizations due to COVID-19 and influenza.

Graph 4. Count of Hospitalizations due to COVID-19 & Influenza, Davis County, Utah



Vaccine Information

Influenza: Everyone age 6 months and older should receive an influenza vaccine by the end of October every year.

COVID-19: COVID-19 vaccine recommendations are based on age, the vaccine that was first received, and the length of time since the last dose. People who are moderately or severely immunocompromised have different recommendations for COVID-19 vaccines. Please visit <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/stay-up-to-date.html> for more details on all recommendations.