

Respiratory Illness Report

Week Ending December 24, 2022

Weekly Summary

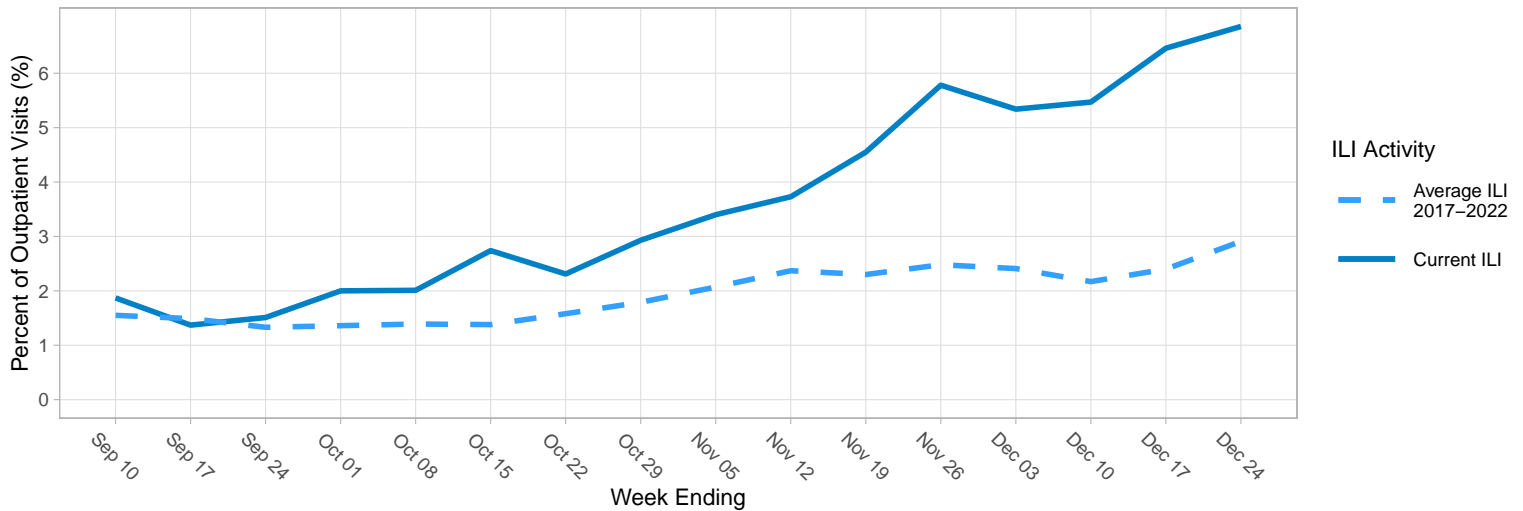
The Centers for Disease Control and Prevention (CDC) expanded the use of the updated (bivalent) COVID-19 vaccine for children ages 6 months through 5 years. Children ages 6 months through 5 years who previously completed a Moderna primary series are eligible to receive a Moderna bivalent booster 2 months after their final primary series dose. Children ages 6 months through 4 years who are currently completing a Pfizer primary series will receive a Pfizer bivalent vaccine as their third primary dose.

Regarding Influenza, CDC reports that the number of Influenza hospital admissions decreased nationally from the week prior for the third week in a row. Furthermore, the majority of Influenza viruses tested are in the same genetic subclade as and antigenically similar to the Influenza viruses included in this season's Influenza vaccine. All Influenza viruses collected and evaluated this season have been susceptible to the Influenza antivirals oseltamivir, peramivir, zanamivir, and baloxavir.

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.

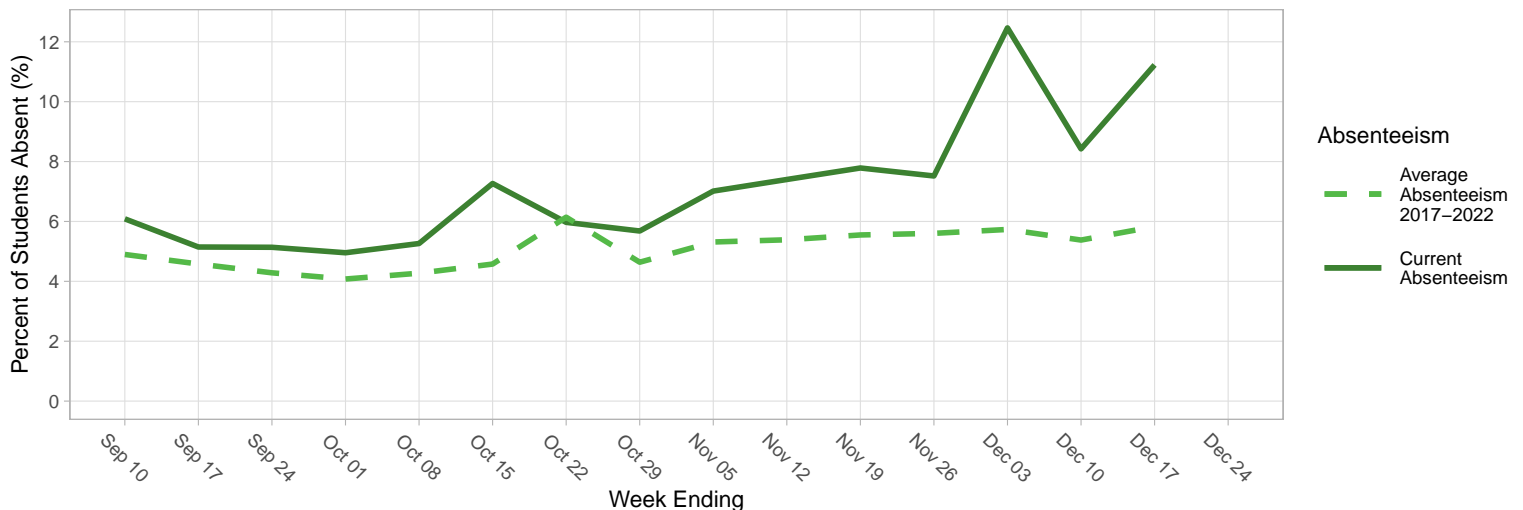
Graph 1. Percent of Outpatient Visits due to Influenza-Like Illness, by Week, Davis County, Utah



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

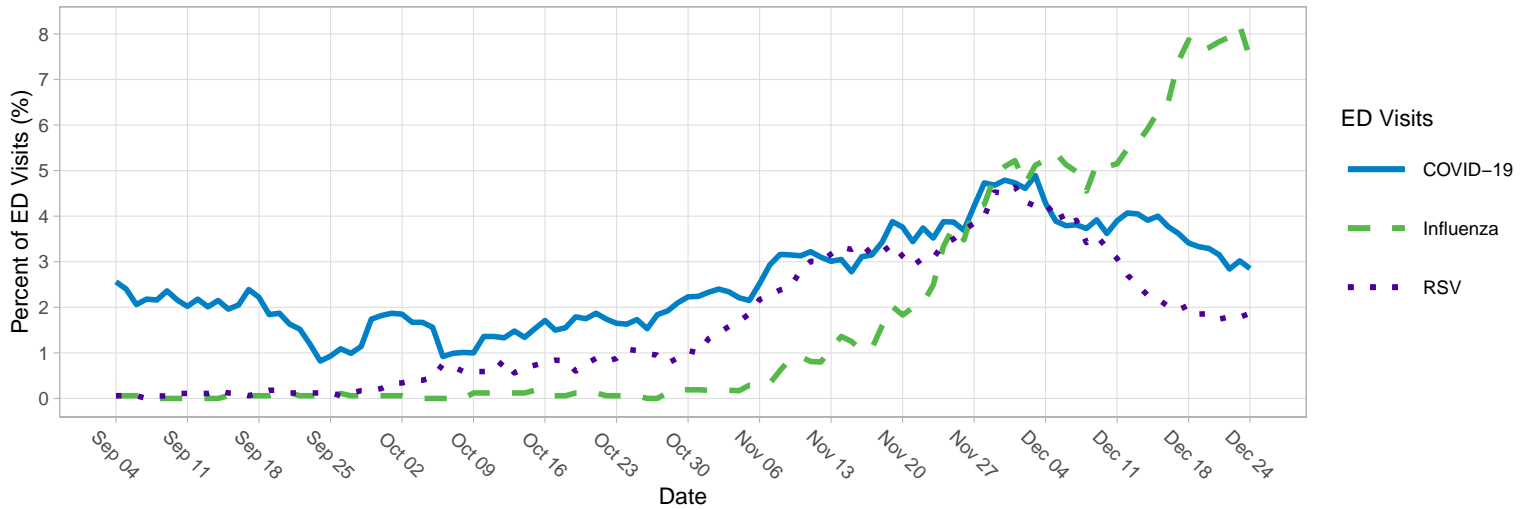


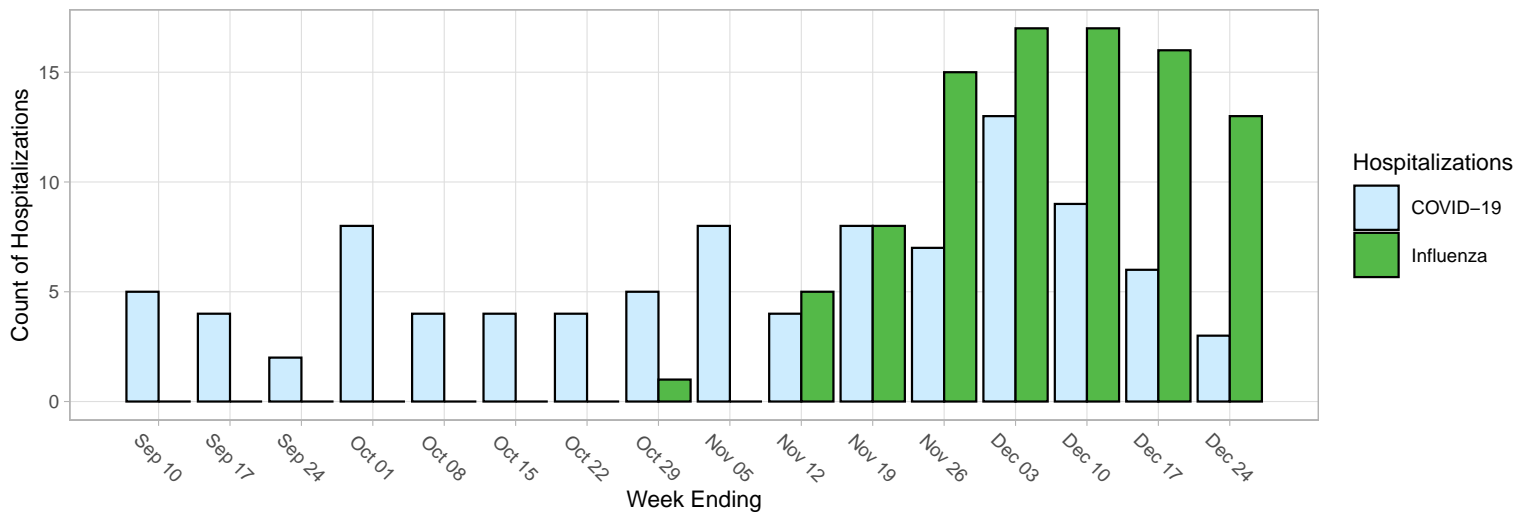
Table 1: Recent Trends of ED Visits, Davis County, Utah, for Week Ending Dec 24, 2022

Virus	Trend	Count of ED Visits
COVID-19	Decreasing (last 14 days)	123 (last 14 days)
Influenza	Increasing (last 14 days)	281 (last 14 days)
RSV	Decreasing (last 14 days)	72 (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: CDC recommends primary vaccines for everyone ages 6 months and over. The bivalent booster is available for ages 5 and over. Children ages 6 months through 5 years may receive a bivalent booster if they complete the Moderna 2-dose primary series; those completing a Pfizer primary series may receive a Pfizer bivalent vaccine as a third primary dose.