



MMWR Week 47 • November 19, 2023 - November 25, 2023

Welcome to the Hamilton County Influenza Activity Surveillance report. Using the buttons below, select a report to view data for the current week. To navigate through the reports, use the buttons at the top of each page. To return to this main menu, click the Hamilton County logo at the top left from any page.

State and National Surveillance Data

National and state activity levels and additional information can be found at the following Ohio Department of Health (ODH) and Centers for Disease Control and Prevention (CDC) pages:

- <https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/seasonal-influenza/ohio-flu-activity/>
- <https://www.cdc.gov/flu/weekly/>
- <https://www.cdc.gov/flu/>

Sources of Influenza Surveillance Data

Five surveillance data sources are examined on a weekly basis to help determine the influenza activity level for Hamilton County and Southwest Ohio. Influenza surveillance data descriptions are from the weekly Ohio Department of Health Seasonal Influenza Activity Summary reports.

MMWR Week Number

Week numbers coincide with those set by the Centers for Disease Control and Prevention's (CDC) Morbidity and Mortality Weekly Report (MMWR). Influenza surveillance data are tracked from MMWR week 40 to week 20 of the following year. Values for CDC's MMWR week range from 1 to 53, although most years consist of 52 weeks.

This report is updated weekly on Friday.

Last updated: 11/24/2023

Ohio Pneumonia and Influenza Mortality

Southwest Ohio Influenza Hospitalizations

ED Visits - Fever and Influenza-like Illness

ED Visits - Constitutional

Regional Outpatient Influenza Surveillance

Thermometer Sales



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

Pneumonia & Influenza Mortality State of Ohio

(Due to mortality reporting lag time, data for this page will contain the previous MMWR Week)

MMWR Week

46

MMWR Week Value

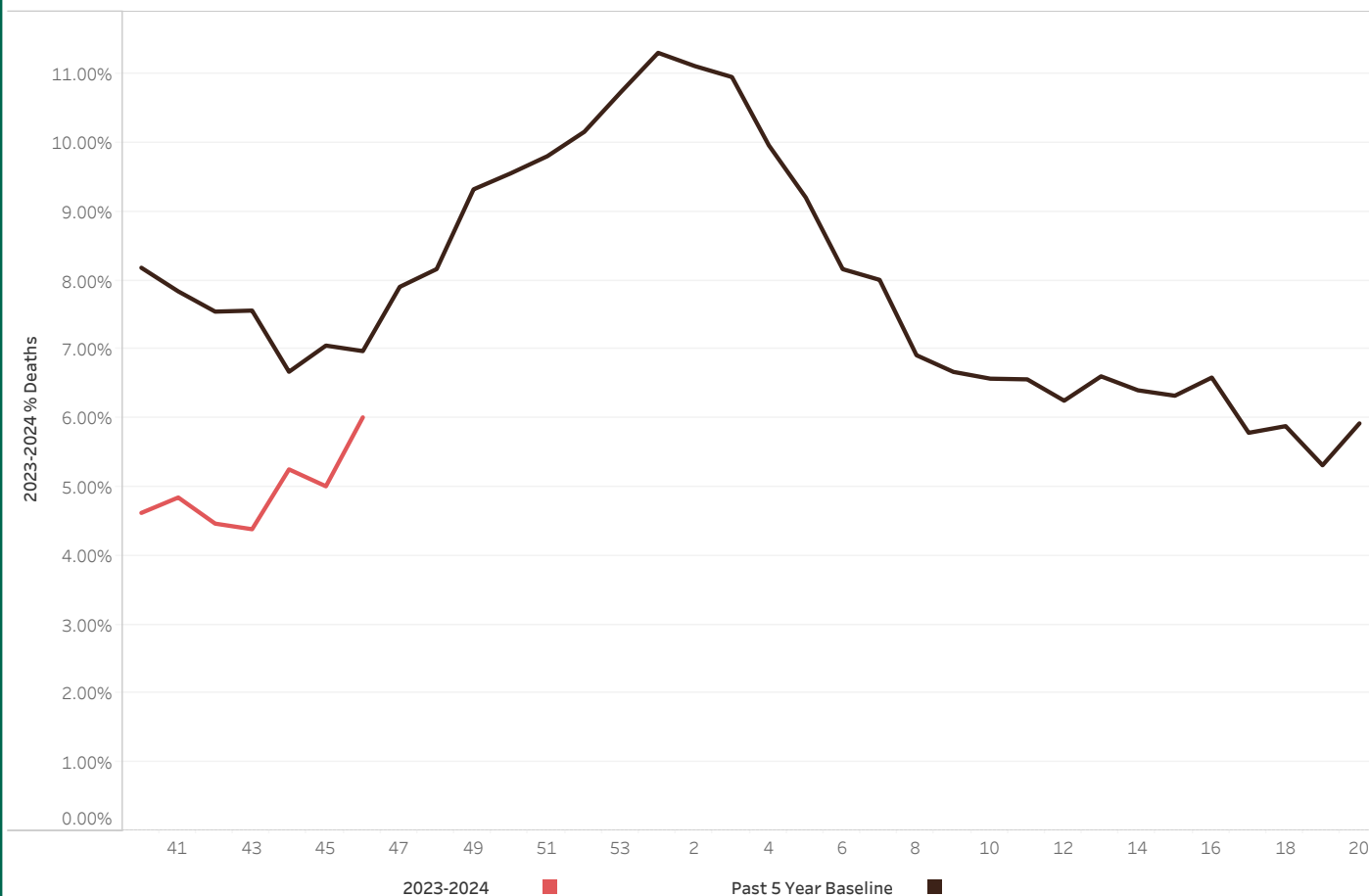
6.01%

Percent Change

19.98%

Weekly Trend

↑1



FluView Pneumonia and Influenza Mortality Surveillance from the National Center for Health Statistics Mortality Surveillance System

Vital statistics offices from across the country report the number of death certificates received, along with how many of those who have pneumonia or influenza listed as an underlying or contributing cause of death. Data in this report reflects the percent of Ohio deaths that were due to pneumonia and/or influenza during the reporting week. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included. Interpret with caution; data may be confounded by deaths that were attributed to pneumonia and/or influenza that also listed COVID-19 as a contributing cause of death.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2017-2018 season through the 2022-2023 season. Due to abnormal counts reported during the COVID-19 pandemic, the 2020-2021 season has been omitted from the baseline data.



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

Confirmed Influenza-associated Hospitalizations Southwest Ohio Region

Current MMWR Week

47

Current Week Value

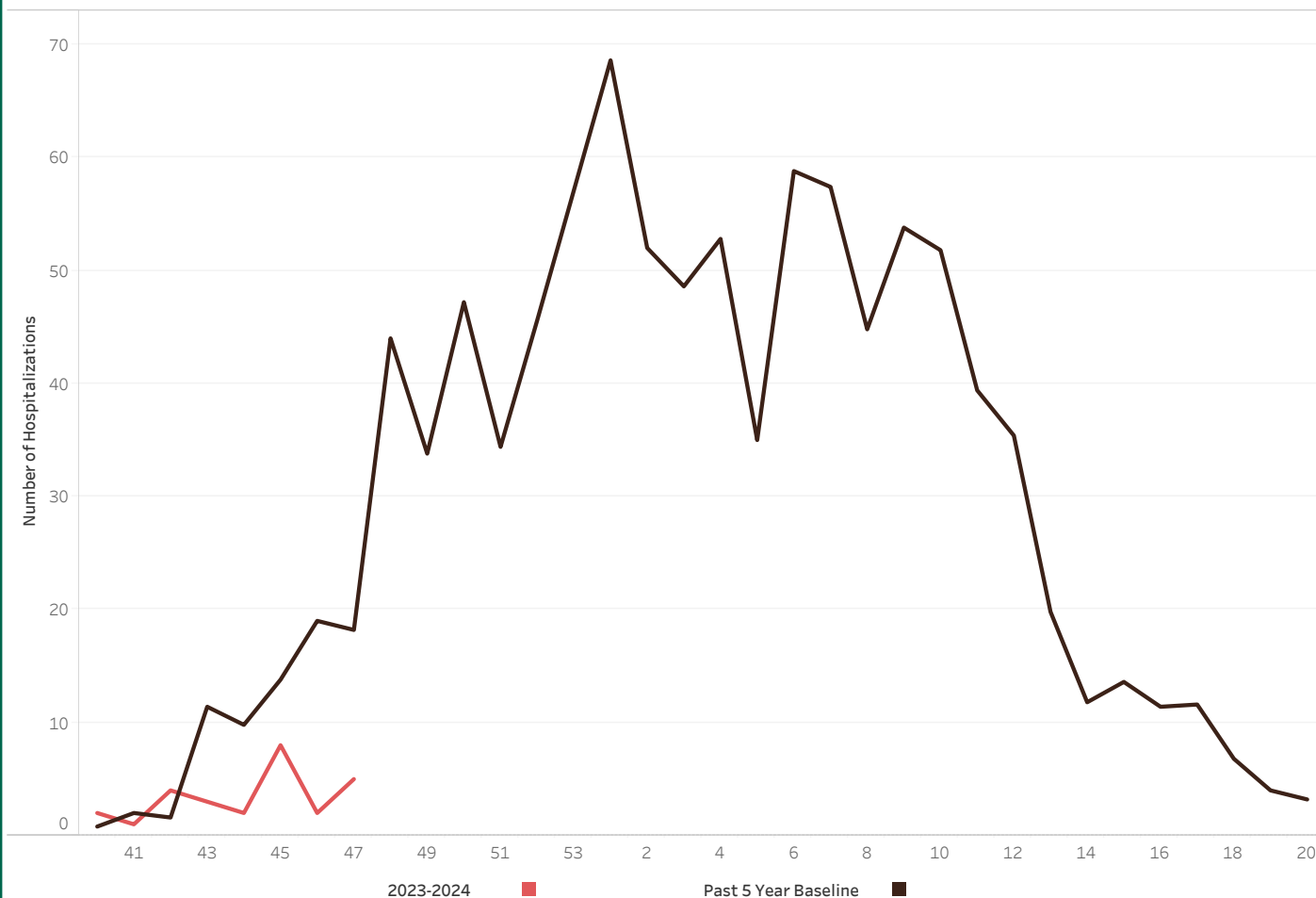
5

Percent Change

150.0%

Weekly Trend

↑1



Influenza-associated Hospitalizations (ODRS)

Influenza-associated hospitalizations are reported to ODH from local health departments and hospitals by direct entry into the Ohio Disease Reporting System (ODRS). Hospitalizations can be used as an indicator of the severity of illness during a particular influenza season. This condition became reportable in 2009.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2017-2018 season through the 2022-2023 season. Due to abnormal counts reported during the COVID-19 pandemic, the 2020-2021 season has been omitted from the baseline data.



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

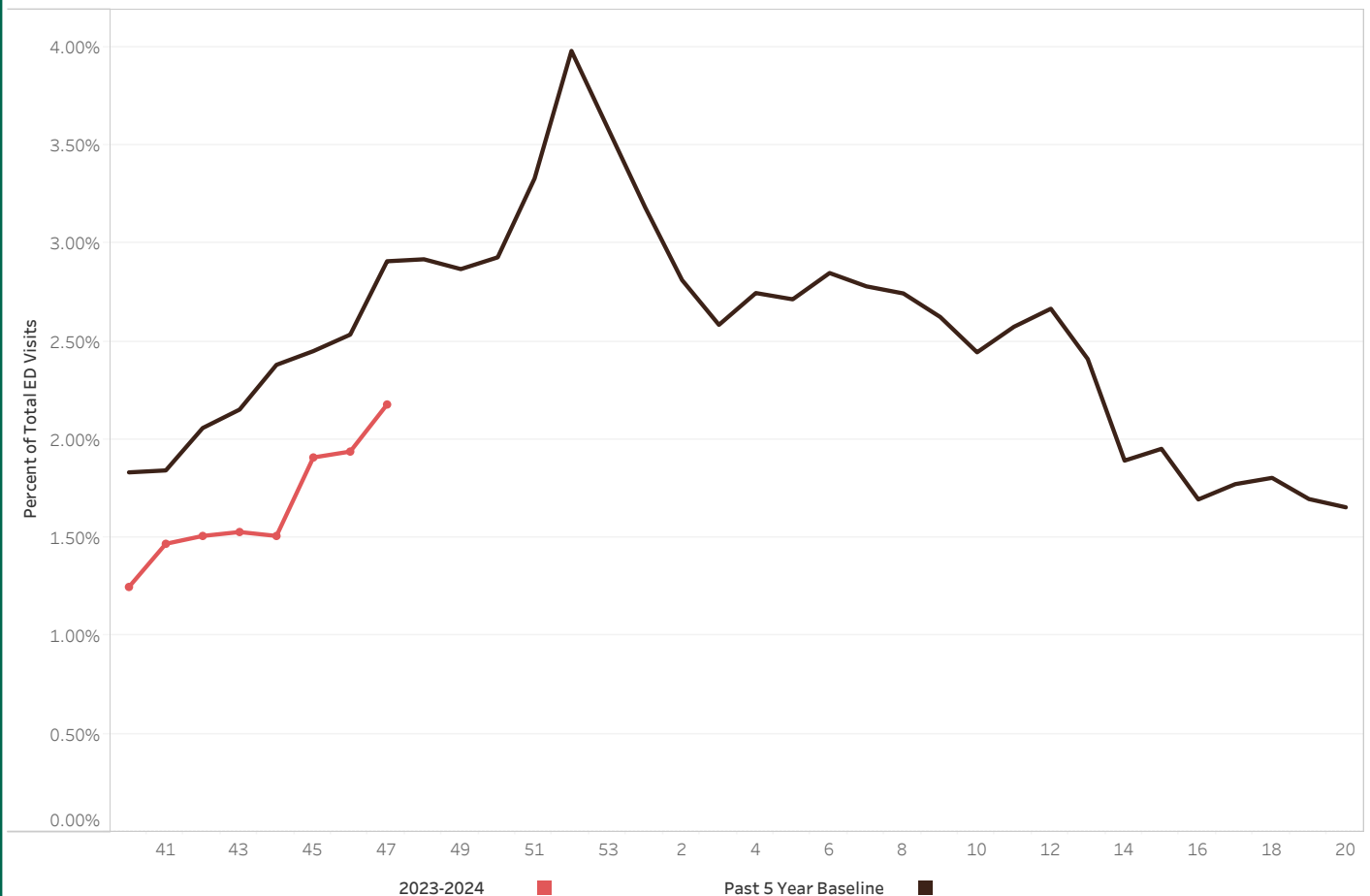
Fever and ILI Specified ED Visits Southwest Ohio

Current MMWR Week
47

Current Week Value
2.18%

Percent Change
7.37%

Weekly Trend
↑3



Emergency Department Visits (EpiCenter)

EpiCenter collects emergency department chief complaint data from hospitals and urgent care facilities across Southwest Ohio in real time and classifies them into symptom and syndrome categories. Chief complaints from the constitutional syndrome category and the fever + Influenza-like Illness (ILI) symptoms classified are analyzed from influenza surveillance.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2017-2018 season through the 2022-2023 season. Due to abnormal counts reported during the COVID-19 pandemic, the 2020-2021 season has been omitted from the baseline data.



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

Constitutional ED Visits Southwest Ohio

Current MMWR Week

47

Current Week Value

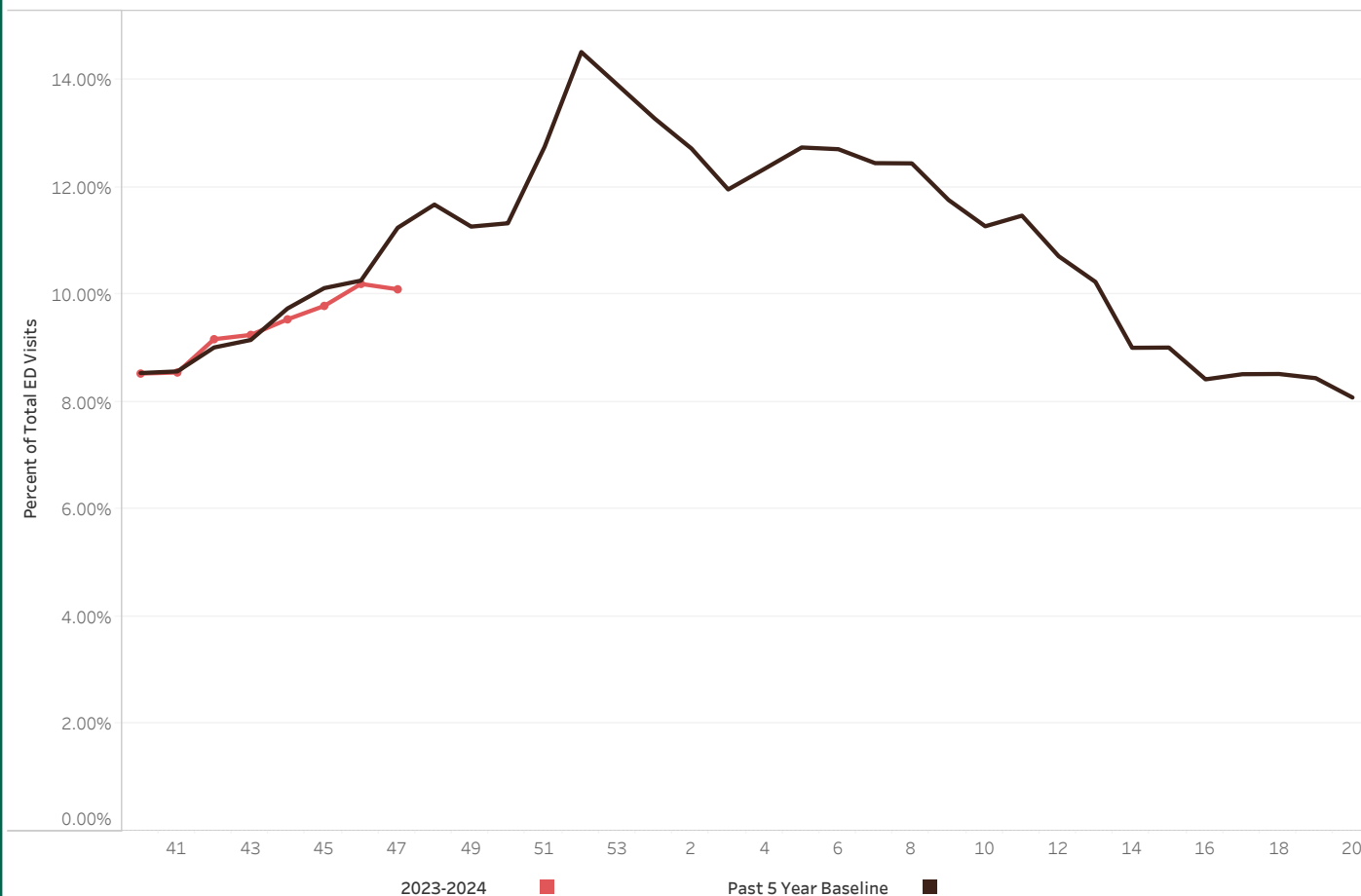
10.10%

Percent Change

-5.25%

Weekly Trend

↓1



Emergency Department Visits (EpiCenter)

EpiCenter collects emergency department chief complaint data from hospitals and urgent care facilities across Southwest Ohio in real time and classifies them into symptom and syndrome categories. Chief complaints from the constitutional syndrome category and the fever + Influenza-like Illness (ILI) symptoms classified are analyzed from influenza surveillance.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2017-2018 season through the 2022-2023 season. Due to abnormal counts reported during the COVID-19 pandemic, the 2020-2021 season has been omitted from the baseline data.



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

Influenza-like Illness Outpatient Surveillance Data Southwest Ohio Sentinel Provider Visits

Current MMWR Week

47

Current Week Value

4.71%

Percent Change

25.20%

Weekly Trend

↑5



Sentinel Providers (ILINet)

Sentinel providers, through the US Influenza-like Illness Surveillance Network (ILINet), collect outpatient ILI data. ILI is defined as a fever ($\geq 100^{\circ}\text{F}$), and cough and/or sore throat without another known cause. Providers report the total number of patients seen and the number of patients with ILI by age group on a weekly basis. Sentinel providers also submit specimens for influenza testing to the ODH laboratory throughout the influenza season. There are nine sentinel providers enrolled in Southwest Ohio (Hamilton and Clermont County) for 2021-2022 surveillance season.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2017-2018 season through the 2022-2023 season. Due to abnormal counts reported during the COVID-19 pandemic, the 2020-2021 season has been omitted from the baseline data.



P&I Mortality

Hospitalization

Fever & ILI

Constitutional

Surveillance

Thermometers

Thermometer Sales Hamilton County

Current MMWR Week

47

Current Week Value

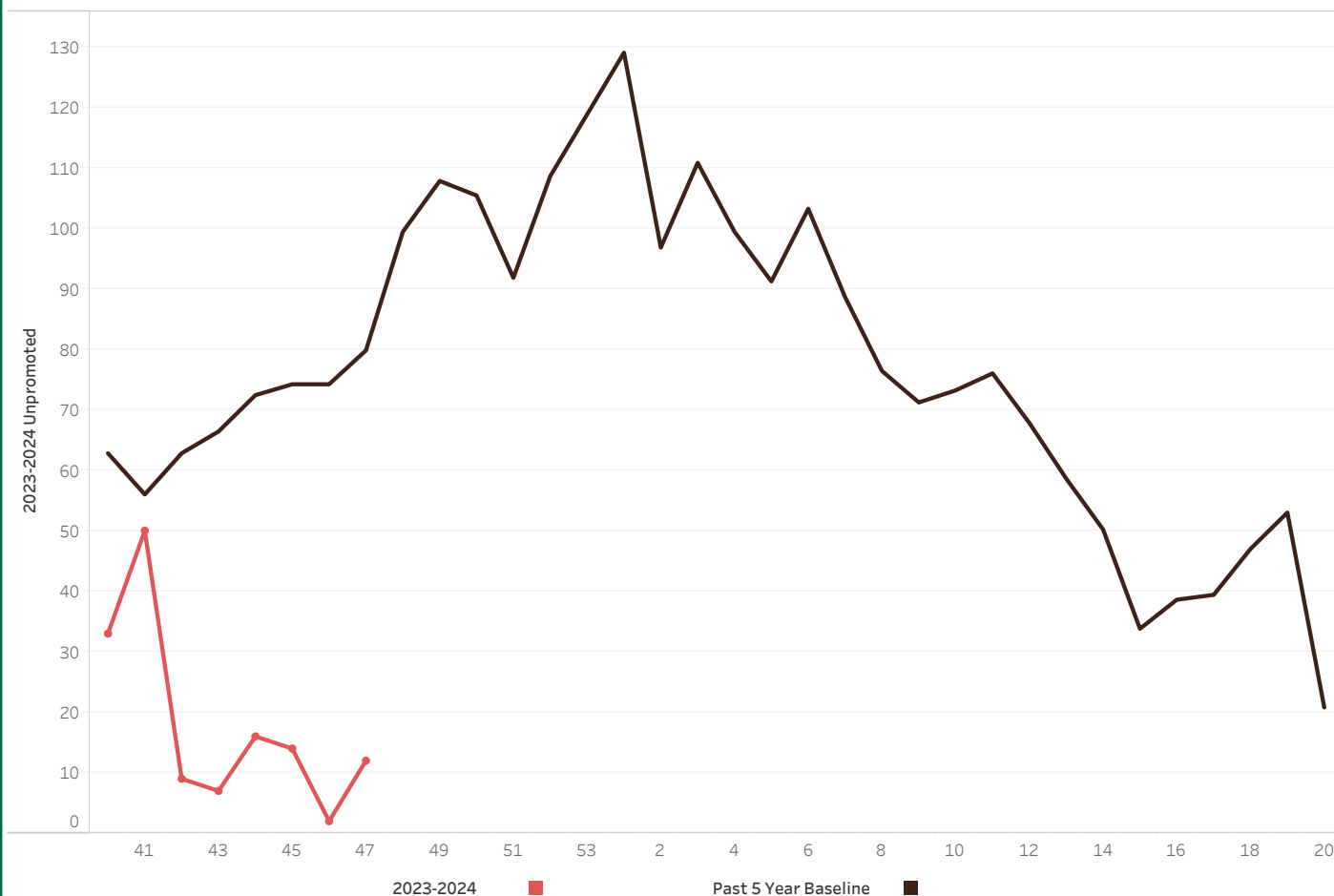
12

Percent Change

500.0%

Weekly Trend

↑1



National Retail Data Monitor (NRDM) - OTC Drug Purchases

The NRDM collects over-the-counter (OTC) drug sales information from approximately 1,420 Ohio Chain drug stores and grocery stores. For influenza surveillance, thermometer sales are monitored on a weekly basis.

Weekly values are subject to change as surveillance information is updated. Values may differ week to week on reports.

The past 5 year baseline includes data from the 2016-2017 season through the 2022-2023 season. Due to abnormally high thermometer sales during the COVID-19 pandemic the 2019-2020 and 2020-2021 season data have been omitted.