

Washington State Influenza Summary

DOH 420-100

2023-2024 Season

Washington State Department of Health, Office of Communicable Disease Epidemiology

The Department of Health (DOH), in collaboration with local health jurisdictions and the Centers for Disease Control and Prevention (CDC), performed surveillance for influenza during the 2023-2024 season using several different systems. This report summarizes data collected through key systems from October 1, 2023, to September 28, 2024 (week 40 of 2022 through week 39 of 2023).

Due to the COVID-19 pandemic, data reported from the various influenza surveillance systems may not represent an accurate reflection of influenza activity. Results should be interpreted with caution, especially where comparisons are made to previous influenza seasons.

National Summary

Influenza activity in the United States during the 2023–2024 season was moderately severe and within the range seen during pre-COVID-19 seasons for both timing and intensity of activity. During the 2023–2024 season, influenza activity began to increase in early November and peaked in late December 2023. Activity declined for a few weeks in January 2024 and then remained relatively stable at elevated levels through February 2024 before declining to inter-seasonal levels in May 2024. Influenza A(H1N1)pdm09 was the predominant virus circulating during the 2023–2024 season. However, influenza A(H3N2) and influenza B/Victoria viruses were identified more frequently than A(H1N1)pdm09 viruses later in the season as overall influenza activity began to decrease. This is the third season in a row without influenza B/Yamagata viruses in circulation. See the [CDC website](#) for more information.

Washington State Summary

In Washington State, 134 laboratory-confirmed influenza-associated deaths and 95 influenza-like illness outbreaks in long-term care facilities were reported for the 2023-2024 season. Illness attributed to influenza A viruses predominated.

Influenza Laboratory Surveillance Data

Laboratory Data: World Health Organization (WHO) & National Respiratory and Enteric Virus Surveillance System (NREVSS) Data Reported to CDC

For the 2023-2024 influenza season, CDC has generated separate graphs of data reported to CDC by public health laboratories (Figure 1) and commercial laboratories (Figure 2).

Figure 1: Influenza Positive Tests Reported to CDC, WA Public Health Laboratories

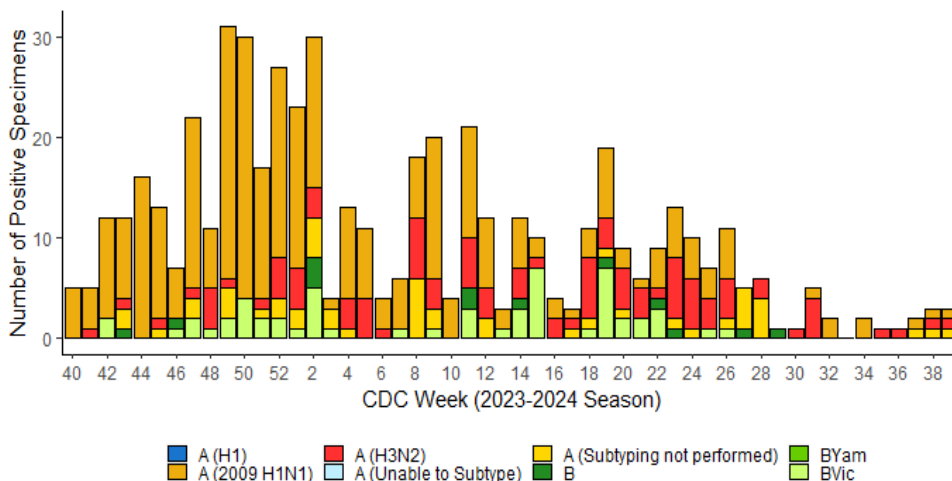
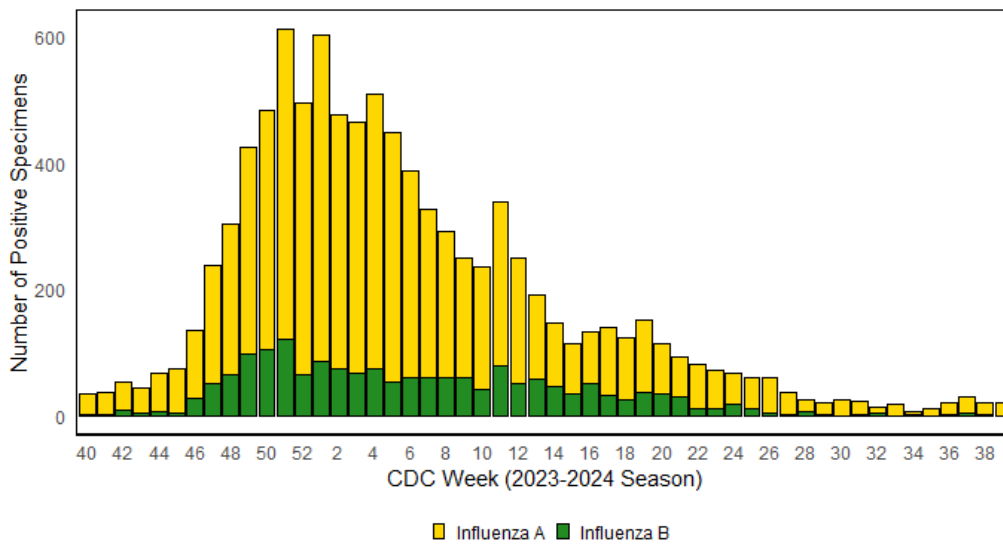


Figure 2: Influenza Positive Tests Reported to CDC, WA Commercial Laboratories

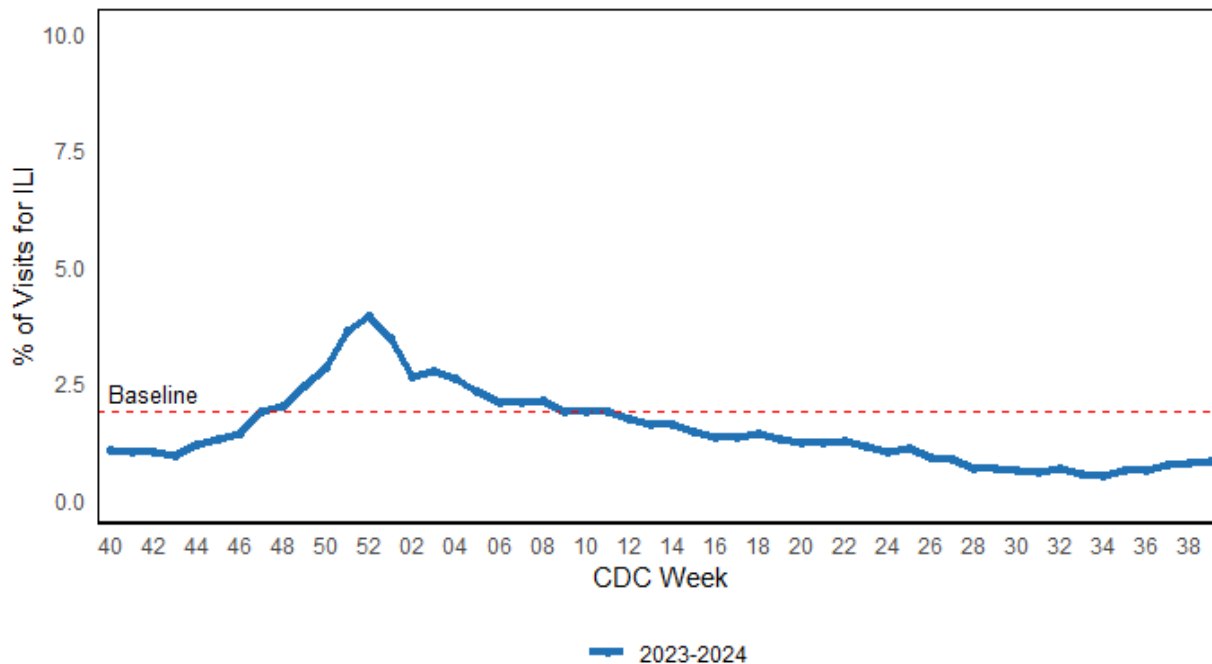


Outpatient Influenza-like Illness Surveillance

Outpatient Influenza-like Illness Surveillance Network (ILINet) Data

Information on patient visits to health care providers for influenza-like illness is collected through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Each week, healthcare providers in Washington reported data to CDC on the total number of patients seen and the number of those patients with influenza-like illness (ILI) by age group. For the purposes of ILINet, ILI is defined as fever (temp 100°F/37.8°C or higher) plus cough and/or sore throat. More information about ILINet is available [here](#).

Figure 3: Percentage of ILI Visits Reported by Sentinel Providers, Washington, 2023-2024



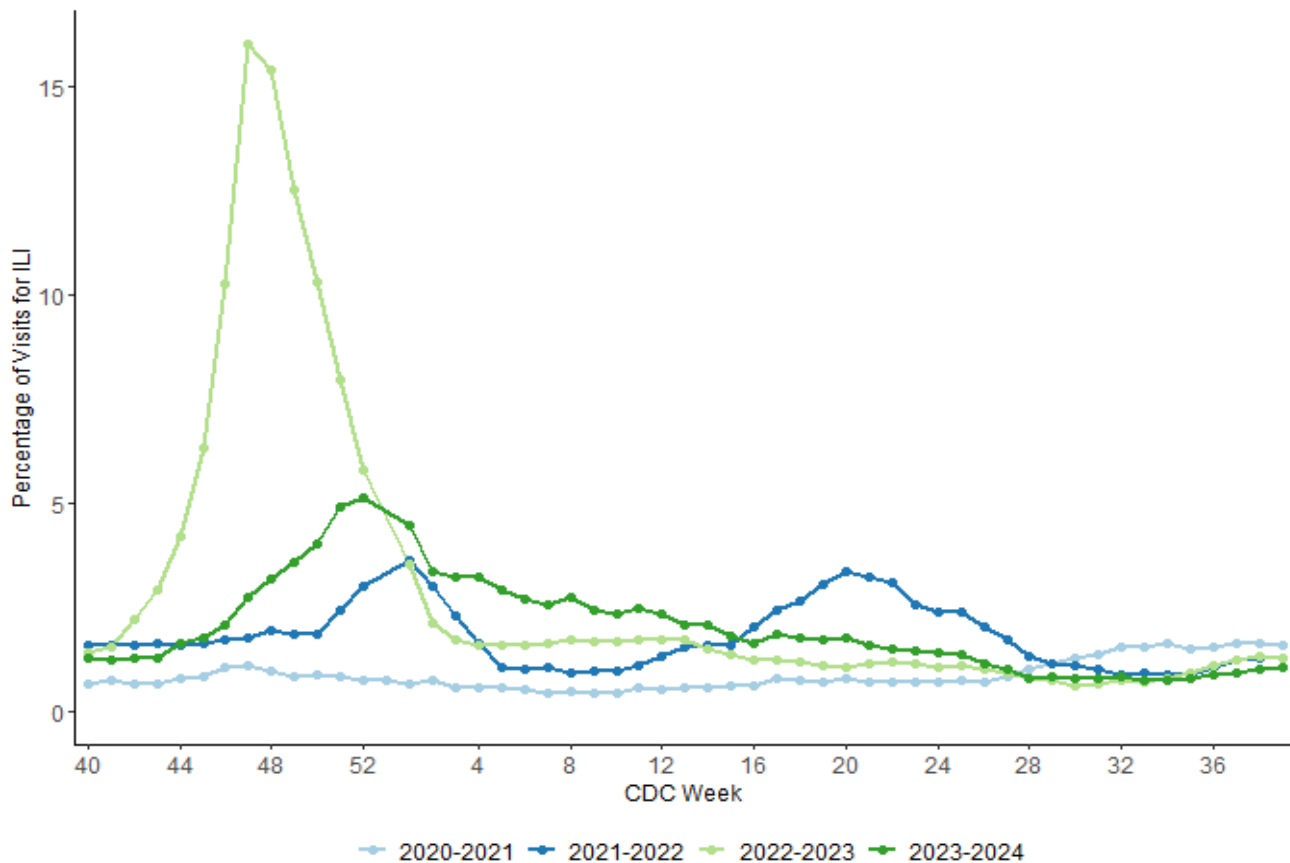
Influenza-like Illness Syndromic Surveillance Data

ESSENCE Syndromic Surveillance Data

Figure 4 shows the proportion of visits at a subset of emergency departments across Washington where patients had a chief complaint of influenza-like illness, or were given a discharge diagnosis of influenza, by CDC week. For this purpose, ILI is defined as “influenza”, fever with cough, or fever with sore throat.

Read the [Syndromic Surveillance \(Rhino\) web page](#) for more information.

Figure 4: Syndromic Surveillance, Percentage of Hospital Visits for a Chief Complaint of ILI, or Discharge Diagnosis of Influenza, by CDC Week, Washington, 2020-2024



Influenza-like Illness Outbreaks in Long Term Care Facilities

Since Week 40 of 2023, 95 influenza-like illness outbreaks in long-term care facilities have been reported to the Washington State Department of Health.

Long term care facilities are required to report all suspected and confirmed outbreaks to their [local health jurisdiction](#) per Washington Administrative Code (WAC) [246-101-305](#). Long-term care facilities are required to report the following:

- A sudden increase in acute febrile respiratory illness over the normal background rate (e.g., 2 or more cases of acute respiratory illness occurring within 72 hours of each other) OR
- Any resident who tests positive for influenza

Recommendations for prevention and control of influenza outbreaks in long-term care facilities are available [here](#).

Local health jurisdictions in turn report long-term care facility influenza-like illness outbreaks to the Washington State Department of Health.

Other Causes of Respiratory Infections

During the 2023-2024 season, the following respiratory viruses were reported to the National Respiratory and Enteric Surveillance System (NREVSS). NREVSS does not capture [COVID-19](#) testing data.

For more information about NREVSS, see the [CDC Interactive Dashboard](#).

Figure 5 shows more common respiratory viruses reported to NREVSS during the 2023-2024 season including Influenza, Respiratory Syncytial Virus, and Other Viruses. Figure 6 shows less common respiratory viruses reported to NREVSS during the 2023-2024 season including Adenovirus, Seasonal Coronavirus, Rotavirus, Enteric Adenovirus, Human Metapneumovirus, Rhinovirus/Enterovirus.

Figure 5: More Common Respiratory and Enteric Viruses, Washington, 2023-2024 Season to Date

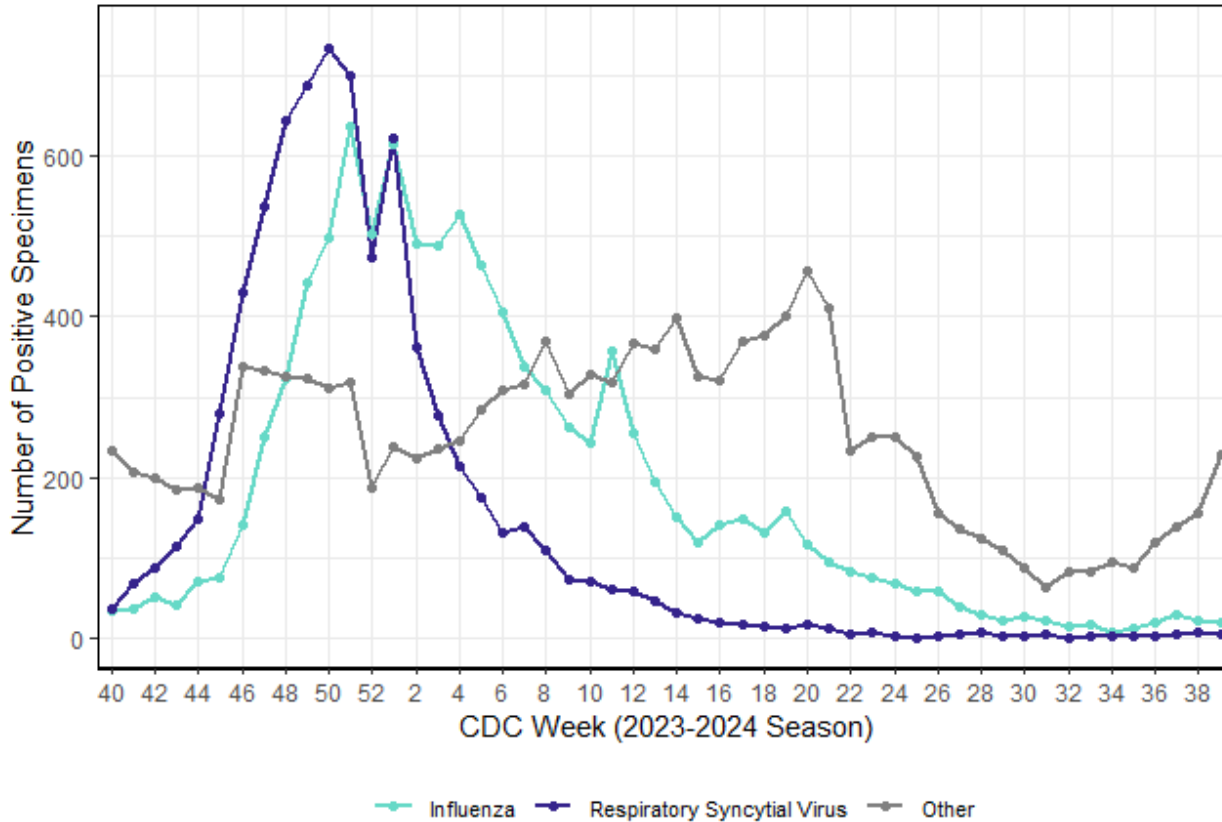
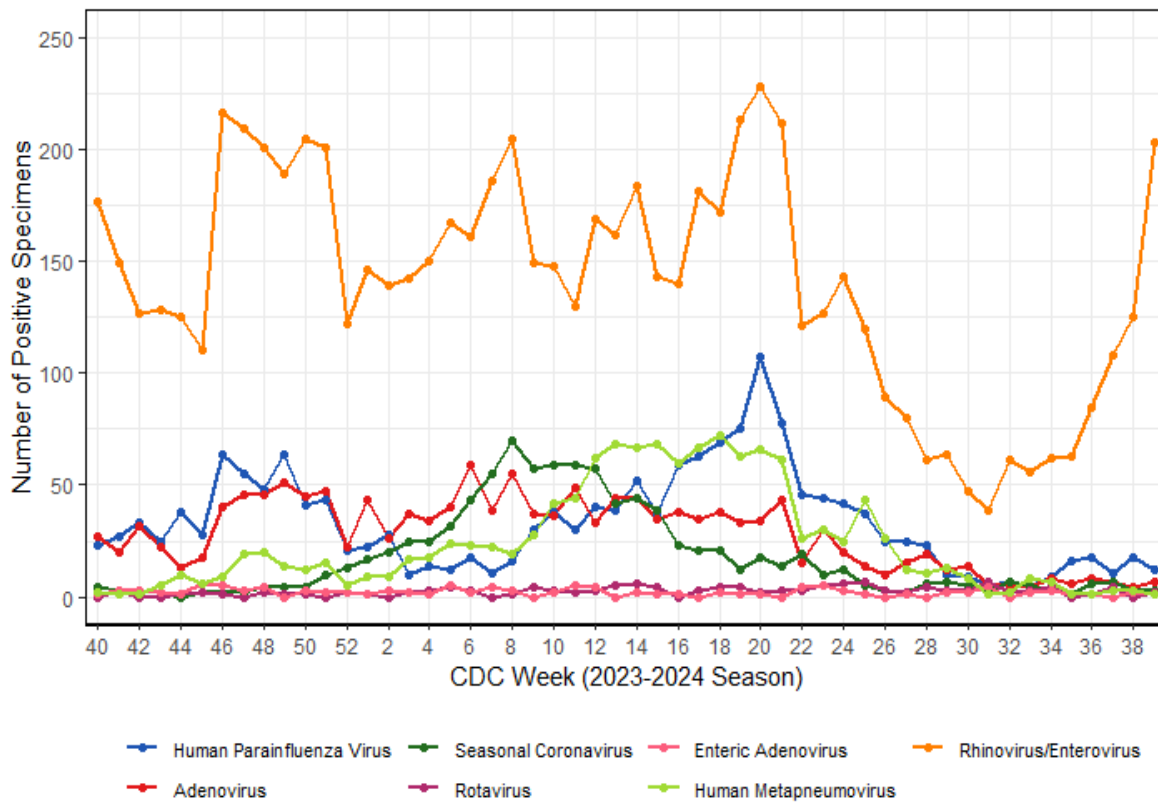


Figure 6: Less Common Respiratory and Enteric Viruses, Washington, 2023-2024 Season to Date



Laboratory Confirmed Influenza-Associated Deaths

Reported Laboratory-Confirmed Influenza Associated Deaths

Note that these counts reflect only deaths officially reported to the Washington State Department of Health and are likely underreported for a variety of reasons. Influenza may not be listed as a cause of death, influenza testing may not have been performed, and lab-confirmed influenza deaths may not have been appropriately reported to public health. CDC has published information about [estimating seasonal influenza-associated deaths](#).

134 laboratory-confirmed influenza-associated deaths have been reported since week 40 of 2023, 125 influenza A, 8 influenza B, and 1 type unknown.

Table 1: Count of Reported Laboratory-Confirmed Influenza-Associated Deaths by Age Group, Washington, 2023-2024 season to date

Age Group (in years)	Count of Deaths
0-4	1
5-17	1
18-29	1
30-49	13
50-64	30
65+	88
Total	134

Reported Laboratory-Confirmed Influenza-Associated Deaths, Past Seasons

Lab-confirmed influenza-associated death totals reported to the Department of Health for past seasons are presented below in Table 2. Note that for the purposes of tables 1 and 2, each influenza season runs from week 40 of one year to week 39 of the next (roughly October to October). Past season summaries are available on the [Department of Health Website](#).

Table 2: Count of Reported Laboratory-Confirmed Influenza-Associated Deaths, Past Seasons

Season	Count of Deaths Reported for the Entire Season (week 40 to week 39)
2023-2024, to date	134
2022-2023	272
2021-2022	26
2020-2021	0
2019-2020	114
2018-2019	241
2017-2018	296
2016-2017	276
2015-2016	67

Additional Resources

International Influenza Data: <https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates/current-influenza-update>

National Influenza Surveillance Report: <http://www.cdc.gov/flu/weekly/>

Washington DOH Influenza Information for Public Health and Healthcare Providers:

<http://www.doh.wa.gov/ForPublicHealthandHealthcareProviders/PublicHealthSystemResourcesandServices/Immunization/InfluenzaFluInformation>

Washington Joint Respiratory Disease Dashboard: <https://doh.wa.gov/data-and-statistical-reports/diseases-and-chronic-conditions/communicable-disease-surveillance-data/respiratory-illness-data-dashboard>

Washington Local Health Department Influenza Surveillance Reports:

King County: <https://kingcounty.gov/depts/health/communicable-diseases/disease-control/influenza.aspx>

Kitsap County: <https://kitsappublichealth.org/Respiratory.pdf>

Pierce County: <https://www.tpchd.org/healthy-people/provider-resources/disease-information-for-providers/influenza/influenza-reports>

Whatcom County: <https://www.whatcomcounty.us/4281/Respiratory-Virus-Data-Dashboards>

Yakima County: <http://www.yakimacounty.us/365/RSV-Flu-Stats>

To request this document in another format, call 1-800-525-0127. Deaf or hard of hearing customers, please call 711 (Washington Relay) or email doh.information@doh.wa.gov.