Oregon ESSENCE Syndromic Surveillance: Oregon Public Health tracks hospital emergency department (ED) visits throughout the state using the Oregon ESSENCE syndromic surveillance system. ESSENCE categorizes chief complaints into syndrome categories, which include influenza-like illness (ILI). Figure 1, above, displays percentages for all of Oregon during this influenza season compared with the previous two influenza seasons. The percent of ED visits for ILI in all of Oregon was 0.9% during week 10, 2022.
Laboratory Surveillance: The National Respiratory and Enteric Virus Surveillance System (NREVSS) is a laboratory-based system that monitors influenza and other respiratory viruses circulating the United States. More information is at CDC’s website.

Table 1 shows the tests conducted and results by region for the current week for influenza in specimens tested at the Oregon laboratories reporting to NREVSS. Table 1 shows that 3.1% of specimens tested at Oregon labs were positive for influenza during week 10, 2022 and Figure 2 displays the number of influenza positive tests by influenza type and percent positivity.

Participation by laboratories is voluntary. Current labs participating in NREVSS in Oregon include:
Legacy Emanuel Hospital and Health Center (Portland, OR), Oregon Health & Science University (Portland, OR), Providence Health (Oregon), Kaiser Permanente (Oregon), Veteran’s Administration Hospital (Portland, OR), Bay Area Hospital (Coos Bay, OR), Curry Health Network (Brookings, OR), Mercy Medical Center (Roseburg, OR), Sky Lakes Medical Center (Klamath Falls, OR), Lake Health District, (Lakeview, OR), Rogue Valley Medical Center (SW Oregon), Good Shepherd Medical Center (Hermiston, OR), Mid-Columbia Medical Center (The Dalles, OR), Central Oregon Pediatric Associates (Central Oregon), Harney District Hospital (Burns, OR), St. Charles (Bend, OR), Columbia Memorial Hospital (Astoria, OR), Salem Hospital (Salem, OR), Willamette Valley Medical Center (McMinnville, OR).

Table 1. Influenza Test Results in Oregon, NREVSS, Current Week, 2021–2022 Season

<table>
<thead>
<tr>
<th>Region</th>
<th>Total Tests</th>
<th>Positive No. (%)</th>
<th>Flu A No. (%)</th>
<th>Flu B No. (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland Metro</td>
<td>1741</td>
<td>13 (0.7%)</td>
<td>10 (76.9%)</td>
<td>3 (23.1%)</td>
</tr>
<tr>
<td>Southern Oregon</td>
<td>642</td>
<td>52 (8.1%)</td>
<td>52 (100.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Columbia Gorge</td>
<td>202</td>
<td>22 (10.9%)</td>
<td>22 (100.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Central Oregon</td>
<td>669</td>
<td>18 (2.7%)</td>
<td>18 (100.0%)</td>
<td>0 (0.0%)</td>
</tr>
<tr>
<td>Willamette Valley</td>
<td>260</td>
<td>5 (1.0%)</td>
<td>1 (20.0%)</td>
<td>4 (80.0%)</td>
</tr>
<tr>
<td><strong>State Total</strong></td>
<td><strong>3514</strong></td>
<td><strong>110 (3.1%)</strong></td>
<td><strong>103 (93.6%)</strong></td>
<td><strong>7 (6.4%)</strong></td>
</tr>
</tbody>
</table>

Figure 2. Oregon Influenza Laboratory Surveillance
Percent Positive Influenza Tests by Week, NREVSS, 2021-2022 Season
Portland Tri-County Influenza Hospitalizations: In Clackamas, Multnomah, and Washington counties there were two influenza-associated hospitalization reported during week 10 of 2022. There have been nine reported hospitalizations during the 2021-2022 season.

Influenza Outbreaks: There were no influenza outbreaks reported during week 10, 2022 and none yet reported during in the 2021-2022 influenza season.
Outpatient Influenza-like Illness Surveillance: Oregon’s outpatient influenza-like illness (ILI) surveillance comprises 16 voluntary reporting outpatient providers, 64 emergency departments and urgent care clinics reporting to ESSENCE, and 150 OCHIN clinics from across Oregon. The percent of outpatients seen with ILI across the state during week 10 of 2022 was 1.5%. Regionally, the percent was highest in the Eastern Oregon region (3.8%) and lowest in the Willamette Valley (0.7%).

Figure 5. Percentage of Visits for ILI at Outpatient Clinics & Emergency Departments, by Oregon Region, 2021-2022

Influenza-Associated Pediatric Mortality Surveillance: Influenza-associated deaths in children 17 years of age and younger are nationally notifiable. There were no pediatric influenza deaths in Oregon reported during week 10, 2022 and none yet reported to the Oregon Health Authority in the 2021—2022 influenza season.
Vaccination information:
As of March 16th of 2022, the number of new, weekly influenza immunizations is continuing to decline. Currently the ALERT Immunization Information System (ALERT IIS) has influenza immunization records for 1.4 million Oregonians in the current season. OHA tracks seasonal influenza immunizations in Oregon on a weekly basis using the ALERT IIS. In the last full tracking week (ending March 12th), the ALERT IIS received reports of 5,026 new influenza immunizations given to Oregonians; down from the previous week total of 6,469 influenza immunizations.

**2021-22 Season Oregon Flu Vaccine Doses in ALERT IIS by Week**

**2020-21 Flu Vaccination in ALERT IIS by Week, Cumulative Doses Compared to Last Season**
US Data (from CDC FluView): Seasonal influenza activity in the United States remains low, but the number of influenza virus detections reported by public health laboratories has increased in recent weeks.

Viruses

- **Clinical Labs:** The percentage of respiratory specimens testing positive for influenza at clinical laboratories is 6.8% this week.
- **Public Health Labs:** The majority of viruses detected are influenza A (H3N2)
- **Virus Characterization:** Genetic characterization data are now summarized on CDC FluView

Illness

- **ILI.Net Outpatient Illness:** Nationwide during week 10, 1.7% of visits to a health care provider are for respiratory illness. This percentage is below the national baseline.
- **ILI.Net Activity Map:** This week, 2 jurisdiction experienced moderate activity and 1 jurisdiction experienced high or very high activity.
- **Long-term Care Facilities:** This week, 0.7% of facilities reported ≥ 1 influenza-positive test among residents this week.

Severe Disease

- **FluSurv-NET:** 5.9 per 100,000 cumulative hospitalization rate
- **HHS Protect Hospitalizations:** 2,082 patients admitted to hospitals with influenza this week
- **PIC Mortality:** Based on NCHS mortality surveillance data available on March 18th, 2022 10.8% of the deaths that occurred during the week ending March 12th, 2022 (week 10), were due to pneumonia, influenza, and/or COVID-19 (PIC). This percentage is above the epidemic threshold of 7.2% for this week.
- **Pediatric Deaths:** 3 influenza related deaths were reported this week, 13 influenza-associated pediatric death has occurred during the 2021-2022 season and have been reported to CDC.

Map above: This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

All Flu Bites data are preliminary and may change as additional reports are received. Find the most recent Flu Bites report online at: http://www.oregon.gov/oha/ph/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx