Quick Stats for Week 1 (12/31/2023 - 1/6/2024)

Influenza

Overall Influenza Activity: MODERATE

- Lab Survey Flu PCR Positive %
  - 1/7/23: 13.5%
  - 1/6/24: 15.8%

- Predominant Flu Virus(es) at SHL (3 weeks)
  - A H3

- Outpatient ILI %
  - 1/7/23: 3.7%
  - 1/6/24: 3.0%

- Long Term Care Flu Outbreaks
  - 1/7/23: 1
  - 1/6/24: 5

- Flu Hospitalizations - All Iowa Hospitals
  - 1/7/23: 202
  - 1/6/24: 78

- Flu Deaths
  - 1/7/23: 20
  - 1/6/24: 2

- Outpatient ILI %
  - 1/7/23: 1.7%
  - 1/6/24: 3.0%

NOTE: Line graphs display current week, or most recent available week, and previous 52 weeks

COVID-19

Overall COVID-19 Activity: HIGH

- Lab Survey COVID-19 PCR Positive %
  - 1/7/23: 11.0%
  - 1/6/24: 16.9%

- Predominant COVID Lineage(s) (3 weeks)
  - JN.1

- Weekly Proportion of Iowa Emergency Room Visits for COVID-19
  - 1/7/23: 3.7%
  - 1/6/24: 4.7%

- COVID-19 Hospitalizations - All Iowa Hospitals
  - 1/7/23: 291
  - 1/6/24: 329

- COVID-19 Deaths by Week
  - 1/7/23: 31
  - 1/6/24: 9

NOTE: Line graphs display current week, or most recent available week, and previous 52 weeks

Other Respiratory Viruses

Top 3 Pathogen Groups by Positive Percent on Respiratory Virus Survey - MOLECULAR ONLY

Current Week and Previous 52 Weeks Trends

- 16.9% COVID-19
- 15.8% Influenza
- 14.6% RSV

All data presented in this report are provisional and may change as additional reports are received.

See the Surveillance Methods page for a detailed description of each component of the Iowa respiratory virus surveillance system including methodology and definitions.

Visit https://hhs.iowa.gov/public-health/center-acute-disease-epidemiology/flu-report to subscribe to weekly email reports
Percentage of respiratory specimens testing positive for influenza, by influenza transmission zone. Map generated on 05 January 2024. (The displayed data reflects reports of the weeks from 11 to 24 December 2023 or up to two weeks before if insufficient data were available for an area for that period.)

NATIONAL INFLUENZA LIKE ILLNESS (ILI) - CDC

Week 1 Ending Jan 06, 2024

ILI Activity Level
- Very High
- High
- Moderate
- Low
- Minimal
- Insufficient Data

Iowa Respiratory Survey - Influenza

Number of Influenza Molecular Tests and Positive A and B Percentage - Current and Previous 52 Weeks

Number of Influenza Antigen Tests and Positive A and B Percentage - Current and Previous 52 Weeks

Flu Tests by Preparedness Service Area - Current Week (Molecular Only)

<table>
<thead>
<tr>
<th>Preparedness Service Area</th>
<th>Number Positives</th>
<th>Number Tests</th>
<th>Percent Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA</td>
<td>386</td>
<td>1,881</td>
<td>20.5%</td>
</tr>
<tr>
<td>IC</td>
<td>3</td>
<td>49</td>
<td>6.1%</td>
</tr>
<tr>
<td>2</td>
<td>38</td>
<td>333</td>
<td>11.4%</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
<td>79</td>
<td>12.7%</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>123</td>
<td>4.9%</td>
</tr>
<tr>
<td>5</td>
<td>13</td>
<td>128</td>
<td>10.2%</td>
</tr>
<tr>
<td>6</td>
<td>192</td>
<td>1,520</td>
<td>12.6%</td>
</tr>
<tr>
<td>7</td>
<td>16</td>
<td>94</td>
<td>17.0%</td>
</tr>
<tr>
<td>Total</td>
<td>664</td>
<td>4,207</td>
<td>15.8%</td>
</tr>
</tbody>
</table>
Number of COVID-19 Molecular Tests and Positive Percentage - Current and Previous 52 Weeks

Number of COVID-19 Antigen Tests and Positive Percentage - Current and Previous 52 Weeks

COVID-19 Tests and Positivity by Preparedness Service Area - Current Week (Molecular Only)

<table>
<thead>
<tr>
<th>Preparedness Service Area</th>
<th>Number Positives</th>
<th>Number Tests</th>
<th>Percent Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA</td>
<td>278</td>
<td>1,929</td>
<td>14.4%</td>
</tr>
<tr>
<td>1C</td>
<td>13</td>
<td>75</td>
<td>17.3%</td>
</tr>
<tr>
<td>2</td>
<td>22</td>
<td>125</td>
<td>17.6%</td>
</tr>
<tr>
<td>3</td>
<td>12</td>
<td>84</td>
<td>14.3%</td>
</tr>
<tr>
<td>4</td>
<td>20</td>
<td>128</td>
<td>15.6%</td>
</tr>
<tr>
<td>5</td>
<td>16</td>
<td>128</td>
<td>12.5%</td>
</tr>
<tr>
<td>6</td>
<td>320</td>
<td>1,655</td>
<td>19.3%</td>
</tr>
<tr>
<td>7</td>
<td>32</td>
<td>105</td>
<td>30.5%</td>
</tr>
<tr>
<td>Total</td>
<td>713</td>
<td>4,229</td>
<td>16.9%</td>
</tr>
</tbody>
</table>
# Influenza testing at the State Hygienic Laboratory (SHL)

## Cumulative Influenza Viruses Detected by SHL (10/1/2023 - Current Week)

<table>
<thead>
<tr>
<th>Influenza A (Current Week)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A H3</td>
<td>7</td>
</tr>
<tr>
<td>A not subtyped</td>
<td>0</td>
</tr>
<tr>
<td>AH1N1pdm09</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influenza B (Cumulative)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>B not subtyped</td>
<td>0</td>
</tr>
<tr>
<td>B Vic</td>
<td>7</td>
</tr>
<tr>
<td>B Yam</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influenza A (Cumulative)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A H3</td>
<td>86</td>
</tr>
<tr>
<td>A not subtyped</td>
<td>4</td>
</tr>
<tr>
<td>AH1N1pdm09</td>
<td>101</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>191</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influenza B (Cumulative)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>B not subtyped</td>
<td>1</td>
</tr>
<tr>
<td>B Vic</td>
<td>73</td>
</tr>
<tr>
<td>B Yam</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>74</strong></td>
</tr>
</tbody>
</table>

**Table Note:** Only Iowa residents are included. Specimens listed as “not subtyped” may be pending or were not able to be subtyped due to weak positive lab results. This can be due to poor collection, timing of collection or stage of infection.

## Influenza Viruses Detected by SHL by Week (Current Week and Previous 52 Weeks)

SHL Flu Testing Note: The State Hygienic Laboratory (SHL) is the primary laboratory in Iowa characterizing specimens for influenza surveillance. SHL reports the number of tests performed and the type and subtype/lineage of positive tests to the influenza surveillance network daily. SHL also sends a portion of specimens to CDC for further characterization.
Outpatient Health Care Provider Surveillance Program (ILINET)

Percent Of Outpatient Visits Attributed to Influenza-like Illness (ILI) as Reported by ILINet Sites

Outpatient ILI Note: Outpatient health care providers who participate in the ILINet (a national influenza surveillance program) report the number of patients seen with influenza-like illness and the total number of patient visits each week. The ILI Definition changed in 2021-22 so that persons with ILI symptoms (cough, sore throat, fever) will be counted even if positive for other respiratory illness (e.g., COVID-19) which makes comparison across seasons difficult.
Iowa Respiratory Virus Surveillance Report 12/31/2023-1/6/2024 (MMWR week 1)
Some weeks are not shown due to large numbers of missing data (e.g., winter and spring breaks and COVID-19 shutdown in 2019-20).

Number of Schools Reporting 10% Illness by County - Current Week

Number of Schools Reporting 10% Illness by Preparedness Region

Preparedness Service Area
1A
1C
2
3
4
5
6
7
Total

Iowa Respiratory Virus Surveillance Report 12/31/2023-1/6/2024 (MMWR week 1)
Percent of Iowa Residents Fully Vaccinated for COVID-19 by County

COVID-19 Vaccine Population Covered 2023-2024 Season as of 1/10/2024

State of Iowa COVID-19 Immunization 2023-2024

COVID-19 Immunization Percent
12.4%

Number of Immunized Patients
392,797

Census Population
3,163,561


Percent of Iowans Receiving Flu Vaccine Cumulative by Month


Iowa Respiratory Virus Surveillance Report 12/31/2023-1/6/2024 (MMWR week 1)
Iowa Respiratory Virus Survey

Percent of Positive Respiratory Viruses by Pathogen Group and Week - Molecular Only (Current and Previous 52 Weeks)

Top 5 Pathogen Groups by Positive Percent on Respiratory Virus Survey - Molecular Only (Current and Previous 52 Weeks)
INFLUENZA AND COVID-19 DEATHS:
The Iowa HHS Center for Acute Disease Epidemiology works with the Bureau of Health Statistics to monitor mortality among Iowa residents related to Influenza and COVID-19. Deaths are considered to be influenza-associated when influenza is listed on the death certificate. COVID-associated deaths are determined by diagnosis codes listed on the death certificate.

Both Influenza and COVID-19 death totals are cumulative from the start of the flu season (October 2, 2022 through the end or the current reporting week).

SCHOOL ILLNESS REPORTING
Iowa HHS works with Iowa schools, local public health and the Iowa Department of Education to track and respond to reports of illness in school in two main groups: 10% daily student absences and sentinel school weekly illness totals. All K-12 schools are asked to report all days where student absences due to illness are at least 10% of expected enrollment. Weekly illness data is from a subset of schools that voluntarily report weekly totals of students ill throughout the school year regardless of the level of illness.

IOWA SYNDROMIC SURVEILLANCE
Iowa HHS, CyHHS and CDC started implementing syndromic surveillance for the state of Iowa in May 2021. Iowa continues to enroll hospitals to participate and currently has over 90 hospitals participating. Syndromic surveillance provides public health with a near real-time system for detecting, understanding, and monitoring health events based on symptoms and diagnoses of patients visiting participating hospitals.

INFLUENZA AND COVID-19 IMMUNIZATIONS
Seasonal influenza vaccination data in Iowa is based on doses reported to the Iowa Immunization Registry Information System (IRIS) for Iowans. IRIS is a confidential, computerized, population-based system that tracks immunization for children, adolescents and adults who are seen at public and private healthcare provider sites throughout the state of Iowa. The data for the current influenza season is updated weekly and there may be a lag between the vaccine administration date and the date reported to IRIS.

COVID-19 vaccine data is also based on doses data reported to IRIS, but the COVID-19 vaccine data is updated monthly.

Iowa Respiratory Virus Surveillance Report 12/31/2023-1/6/2024 (MMWR week 1)