In Wisconsin, SARS-CoV-2 positivity was 27.5% of the 130,612 specimens tested by PCR and reported to WSLH.

In the US, the 7 day average SARS-CoV-2 percent positivity is 27.2%.

Wisconsin genomic sequencing data showed Omicron [B.1.1.529/BA.1 and its sublineages] as the predominant lineage of SARS-CoV-2 detected (96%).

The percentage of Delta [B.1.617.2 and its sublineages] in Wisconsin is decreasing (4%).

The WSLH sequencing dashboard is available at https://dataportal.slh.wisc.edu/sc2dashboard

In the US, the influenza positivity rate is 1.8% Week Ending January 15, 2022.

SARS-CoV-2 & Influenza Surveillance Updates

- SARS-CoV-2 activity is high in Wisconsin.
- Omicron variant was the predominant lineage detected in Wisconsin (96%) and nationally (99.5%).
- The proportion of Delta variant is decreasing in Wisconsin (4%).
- Influenza activity is decreasing in Wisconsin (3.3%) and nationally (1.8%).
- The dominant Influenza subtype is H3N2.

To enhance surveillance activities, the WSLH asks labs to please send:
1. A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
2. Influenza A specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.
3. Please send a maximum of 5 SARS-CoV-2 specimens per week.

Other Surveillance Data-Wisconsin

**Respiratory**
- SARS-CoV-2 activity in WI is high.
- Influenza activity in WI is decreasing (3.3%).
- Seasonal coronavirus activity in WI is increasing.

**Gastrointestinal**
- Others detected included: Astrovirus (4.4%), EPEC (3.6%), ETEC (1.4%), Aeromonas (1.3%), EAEC (1.0%), Adenovirus 40/41(0.3%), Plesiomonas shigelloides (0.3%), Entamoeba histolytica (0.3%) and Yersinia enterocolitica (0.2%)

### Week Ending January 15, 2022*

<table>
<thead>
<tr>
<th>Resp. Pathogen PCR</th>
<th># Tested</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARS-CoV-2</td>
<td>130,612</td>
<td>27.5</td>
</tr>
<tr>
<td>Seasonal coronaviruses</td>
<td>298</td>
<td>9.7↑</td>
</tr>
<tr>
<td>Rhinovirus/Enterovirus</td>
<td>1194</td>
<td>6.7↓</td>
</tr>
<tr>
<td>Influenza</td>
<td>11,225</td>
<td>3.3↓</td>
</tr>
<tr>
<td>RSV</td>
<td>5,468</td>
<td>2.7</td>
</tr>
<tr>
<td>Human metapneumovirus</td>
<td>1232</td>
<td>2.6</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>1,225</td>
<td>2.4</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>298</td>
<td>0.7</td>
</tr>
<tr>
<td>B. pertussis</td>
<td>440</td>
<td>0</td>
</tr>
</tbody>
</table>

### Week Ending January 15, 2022*

<table>
<thead>
<tr>
<th>GI Pathogen PCR</th>
<th># Tested</th>
<th>% Positive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norovirus</td>
<td>391</td>
<td>8.7↑</td>
</tr>
<tr>
<td>Rotavirus</td>
<td>387</td>
<td>4.1</td>
</tr>
<tr>
<td>Sapovirus</td>
<td>318</td>
<td>1.9</td>
</tr>
<tr>
<td>Campylobacter</td>
<td>480</td>
<td>1.9</td>
</tr>
<tr>
<td>Giardia</td>
<td>374</td>
<td>0.8</td>
</tr>
<tr>
<td>Cryptosporidium</td>
<td>374</td>
<td>0.8</td>
</tr>
<tr>
<td>Shigella</td>
<td>425</td>
<td>0.5</td>
</tr>
<tr>
<td>STEC</td>
<td>480</td>
<td>0.4</td>
</tr>
<tr>
<td>Salmonella</td>
<td>480</td>
<td>0.4</td>
</tr>
<tr>
<td>E. coli 0157</td>
<td>306</td>
<td>0</td>
</tr>
<tr>
<td>Cyclospora</td>
<td>306</td>
<td>0</td>
</tr>
</tbody>
</table>

* On a weekly basis, participating Wisconsin clinical laboratories voluntarily report to WSLH the total number of tests performed, the method used for detection, and the number of those tests with positive results.