12/7/2021

Guest: Dr. Allie Sontag, Family Nurse Practitioner in the Office of Student Health and Wellness, Chicago Public Schools
On Nov. 26, WHO named the Omicron variant of the coronavirus a new variant of concern

In the United States, the Omicron variant has been detected in 19 states.
U.S. has restricted travel from 8 countries and will tighten testing requirements for international travelers

- Starting 11/29, non-citizens who visited any of 8 African countries during the 14 days prior to arrival in the U.S. are denied entry
  - Includes Botswana, Eswatini, Lesotho, Malawi, Mozambique, Namibia, South Africa, Zimbabwe
  - See Presidential Proclamation for more information

- ALL INTERNATIONAL TRAVELERS TO THE U.S. must:
  - Be tested for COVID-19 within one day of travel to U.S., regardless of vaccination status
  - Continue to recommend testing for COVID-19 3-5 days after arrival in the U.S.
  - For non vaccinated, recommend self-quarantine for 7 days after arrival in the U.S., even if post-arrival test is negative

CDC Traveler Information
What are we doing to prepare in Chicago?

**Travelers**

- Individuals who arrive from the 8 restricted countries with Chicago as their final destination are being contacted to reinforce requirements.
- Individuals who are known close contacts of out-of-state Omicron variant cases have already been contacted and tested.

**Detection**

- Chicago’s new Regional Innovative Public Health Laboratory (RIPHL) has doubled the number of samples routinely being sequenced (looking for variants) from across the city and added preliminary testing approaches. Other academic laboratories and hospitals are also routinely sharing sequenced data.
- RIPHL also continues to do genomic sequencing (looking for variants) when CDPH is investigating outbreaks, or unusual breakthrough or reinfection cases.
- Wastewater sampling and sequencing continues to grow, performed by members of the Discovery Partners Institute (UIC) with many other partners, through a contract with CDPH

**Data Collection**

- CDPH is prepared to gather complete information to act quickly when the first case(s) are detected
  - Focus on travel history, vaccination status, symptoms/outcomes, isolation, close contacts
Local CDPH/laboratory responses

- Regional Innovative Public Health Laboratory (RIPHL) tests for variants across Chicago
  - Federal funding, collaboration with Rush University Medical Center
  - Partner with multiple hospitals/health systems, coordinate with state
  - Sample is representative of city population

- Increase Chicago-wide collection for sampling for genetic sequencing for variants

- In the laboratory, add a pre-screening PCR step to identify possible Omicron variant rather than batching testing

- Continue to increase local wastewater sampling for COVID, including adding capacity at ORD international terminal
Next steps

• We are well placed to detect Omicron and will soon.
• The question is our response.
  • Vaccinations! (? Will we need to make an “Omicron booster...and buy time for it)
  • Boosters!!
    • All Chicagoans 18+ should get a booster NOW: 6 months after Pfizer/Moderna, 2 months after J/J.
• Masks indoors (messaging)
• Staying home if you’re sick! (increasing home test availability)
• Ventilation, handwashing, distancing, etc.
• Employer vaccination requirements
• May begin requiring proof of vaccination for more activities/public spaces
• Oral medications (work like Tamiflu) coming soon, likely to be important.
• Watching hospital capacity closely; flu shots remain important, too
Chicago's COVID-19 Travel Advisory: 40 States and D.C.

As of today, Tennessee, North Carolina and D.C. have been added to the travel advisory. No new states were removed.

Minnesota, Wisconsin and Michigan among highest rates in country
Average daily new cases per 100,000 population, Midwest region

Case rates have doubled in Illinois since the beginning of November.
# Chicago COVID-19 Community Transmission and Risk Matrix

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<thead>
<tr>
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<tbody>
<tr>
<td>Chicago residents - 7-day rolling daily average</td>
<td>800+</td>
<td>400 - 799</td>
<td>200 - 399</td>
<td>20 - 199</td>
<td>&lt;20</td>
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<tr>
<td>Current: 828</td>
<td>Increasing</td>
<td></td>
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<tr>
<td>Chicago residents - 7-day rolling daily average</td>
<td>10%+</td>
<td>6.6 - 9.9%</td>
<td>5.0 - 6.5%</td>
<td>2 - 4.9%</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>Current: 4.1%</td>
<td>Increasing</td>
<td></td>
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<tr>
<th>Hospital Beds (Non-ICU) Occupied by COVID Patients</th>
<th>Very High Transmission</th>
<th>High Transmission</th>
<th>Substantial Transmission</th>
<th>Lower Transmission</th>
<th>Low Transmission</th>
</tr>
</thead>
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<tr>
<td>Chicago hospitals - 7-day rolling daily average</td>
<td>1250+</td>
<td>750 - 1249</td>
<td>250 - 749</td>
<td>100 - 249</td>
<td>-100</td>
</tr>
<tr>
<td>Current: 363</td>
<td>Increasing</td>
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<td>Chicago hospitals - 7-day rolling daily average</td>
<td>400+</td>
<td>300 - 399</td>
<td>100 - 299</td>
<td>20 - 99</td>
<td>-20</td>
</tr>
<tr>
<td>Current: 108</td>
<td>Increasing</td>
<td></td>
<td></td>
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</tbody>
</table>

Source: Chicago Department of Public Health, data current as of December 7, 2021. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.
Chicago: Highest average COVID case rate since January 2021

On 11/29, 1,401 cases detected in Chicago - the highest one-day count since January 2021. Also the most cases in one day IL has had since December 2020.

Current average case rate: 828
Chicago: COVID test positivity continues to increase; still adequate testing overall

Current positivity: 4.1%
Citywide vaccination rate

At least one dose (% vaccinated as of 12/2/2021)
- 5+: 73.2%
- 12+: 77.7%
- 18+: 78.4%
- 65+: 78.9%

Completed vaccine series (% vaccinated as of 12/2/2021)
- 5+: 65.6%
- 12+: 71.2%
- 18+: 72.1%
- 65+: 73.2%
Continued increase of 5–11 y/o getting vaccinated.

At least one dose (% vaccinated as of 12/2/2021)

<table>
<thead>
<tr>
<th>Age Group</th>
<th>5-11</th>
<th>12-17</th>
<th>18-29</th>
<th>30-39</th>
<th>40-49</th>
<th>50-59</th>
<th>60-69</th>
<th>70-79</th>
<th>80+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vaccinated</td>
<td>24.4%</td>
<td>69.0%</td>
<td>69.5%</td>
<td>76.6%</td>
<td>82.9%</td>
<td>89.1%</td>
<td>84.9%</td>
<td>78.6%</td>
<td>69.5%</td>
</tr>
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Completed vaccine series (% vaccinated as of 12/2/2021)

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<th>60-69</th>
<th>70-79</th>
<th>80+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vaccinated</td>
<td>5.3%</td>
<td>59.9%</td>
<td>61.9%</td>
<td>70.4%</td>
<td>76.9%</td>
<td>83.2%</td>
<td>79.2%</td>
<td>72.9%</td>
<td>64.4%</td>
</tr>
</tbody>
</table>

Chi.gov/coviddash
Chicagoans who received a booster dose of COVID-19 vaccine (n=368,458)

Data as of 12/1/2021. The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received booster doses and people who received additional doses.

*Drop in vaccines given over Thanksgiving holiday weekend. No increases in boosters administered in reaction to Omicron yet.*
Booster uptake among those due for a booster dose highest among oldest Chicagoans

Data as of 12/1/2021. The population due for a booster is determined by the length of time from last dose and type of vaccine received for the primary series. The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021 as reported in I-CARE. This includes people who received booster doses and people who received additional doses.
Booster uptake lowest among adult Latinx Chicagoans who are due for a booster dose

Data as of 12/1/2021. The population due for a booster is determined by the length of time from last dose and type of vaccine received for the primary series. The count of people who received a booster dose includes anyone 18 years and older who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021 as reported in I-CARE. This includes people who received booster doses and people who received additional doses.
Get vaccinated *now* in time for the holidays:

**Christmas (Dec. 25)**
- Start your vax series by Nov. 13
- 1st Dose Moderna
- Nov. 20
- 1st Dose Pfizer
- **Dec. 11** Single Dose J&J

**Kwanzaa (Starts Dec. 26)**
- Start your vax series by Nov. 14
- 1st Dose Moderna
- Nov. 21
- 1st Dose Pfizer
- **Dec. 12** Single Dose J&J

**New Years Eve (Dec. 31)**
- Start your vax series by Nov. 19
- 1st Dose Moderna
- Nov. 26
- 1st Dose Pfizer
- **Dec. 17** Single Dose J&J
Continue to vaccinate City Employees: City Hall Vaccine Clinic TODAY

- Tuesday December 7, 9am-2pm
- Flu shots, initial vaccine doses, and boosters available
COVID-19 vaccination coverage among persons experiencing homelessness and the general population

Six U.S. jurisdictions, Dec 2020–August 2021

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Chicago, Illinois</th>
<th>Detroit, Michigan (Wayne County)</th>
<th>Fairfax, Virginia (Fairfax County, Falls Church City, Fairfax City)</th>
<th>Los Angeles County, California</th>
<th>Hennepin County, Minnesota</th>
<th>District of Columbia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated population size</td>
<td>4,477</td>
<td>5,118</td>
<td>1,859</td>
<td>66,436</td>
<td>7,635</td>
<td>6,381</td>
</tr>
<tr>
<td>Persons experiencing homelessness, no.†</td>
<td>2,693,959</td>
<td>1,749,343</td>
<td>1,183,521</td>
<td>10,039,107</td>
<td>1,265,843</td>
<td>705,749</td>
</tr>
<tr>
<td>General population, no.†</td>
<td>1,993 (44.5)</td>
<td>950 (18.6)</td>
<td>465 (25.0)</td>
<td>23,353 (35.2)</td>
<td>1,712 (22.4)</td>
<td>1,265 (19.8)</td>
</tr>
<tr>
<td>Fully vaccinated‡</td>
<td>1,500,931 (55.7)</td>
<td>762,637 (43.6)</td>
<td>707,528 (59.8)</td>
<td>5,375,111 (53.5)</td>
<td>754,489 (39.6)</td>
<td>386,475 (54.8)</td>
</tr>
<tr>
<td>Persons experiencing homelessness, ‡ no. (%)</td>
<td>11.2 (9.7–12.7)</td>
<td>25.0 (23.9–26.1)</td>
<td>34.8 (32.8–36.8)</td>
<td>18.4 (16.0–18.8)</td>
<td>37.2 (36.2–38.1)</td>
<td>34.9 (33.9–35.9)</td>
</tr>
<tr>
<td>General population, ‡ no. (%)</td>
<td>1,642,339 (61.0)</td>
<td>814,140 (46.5)</td>
<td>777,970 (65.7)</td>
<td>6,225,192 (62.0)</td>
<td>829,162 (64.8)</td>
<td>432,633 (61.3)</td>
</tr>
<tr>
<td>Percentage point difference †† (95% CI)</td>
<td>9.0 (7.5–10.5)</td>
<td>20.4 (19.2–21.6)</td>
<td>35.8 (33.6–37.9)</td>
<td>17.7 (17.4–18.1)</td>
<td>36.2 (35.2–37.2)</td>
<td>39.3 (38.2–40.3)</td>
</tr>
</tbody>
</table>

Need a vaccine or a booster? Have questions?

visit **CHI.GOV/COVIDVAX**

or call **312-746-4835**
Total Reported Case Counts in SY21-22
Aug. 29 - Dec. 04

Overall Total Cases:
- Students: 3,508
- Staff: 1,050

#Cases Reported

![Graph showing reported cases for students and adults over time.](image-url)
Weekly Number of COVID Tests Completed vs. Positive Tests
Aug. 29 - Dec. 04

![Graph showing the number of COVID tests processed and positive tests over time, with a test positivity rate of 1.00%](image)
CPS Staff & Student Vaccination Status

90.5% of CPS staff are fully vaccinated

49.6% of CPS students ages 12 and up have been fully vaccinated

12.9% of CPS students ages 5 - 11 have received at least one dose of the vaccine