Ask Dr. Arwady

1/11/2022
Average daily COVID-19 cases per 100,000 population

297 Million Cases
5.4 Million Deaths

9.3 Billion Vaccine Doses Administered

4.6 Billion People Vaccinated (60% of population)

Presented by the New York Times 01/06/2022; Sources: Local governments; The Center for Systems Science and Engineering at Johns Hopkins University; National Health Commission of the People’s Republic of China; World Health Organization.
Average daily COVID-19 cases per 100,000 population

Presented by the New York Times 01/10/2022; Sources: Local governments; The Center for Systems Science and Engineering at Johns Hopkins University;

National currently: **222** diagnosed daily cases per 100,000 people

Illinois currently: **249** diagnosed daily cases per 100,000 people

Chicago currently: **177** diagnosed daily cases per 100,000 people

57,745,899 Million Cumulative Cases
830,509 Cumulative Deaths
What’s Different With Omicron?
National COVID data: Dramatic increase in less severe cases; rising hospitalizations in unvaccinated
How cases, hospitalizations and deaths are trending

Each chart shows how these three metrics compare to the corresponding peak level reached nationwide last winter. For example, a state’s care line exceeds 100 percent on the chart when its number of cases per capita exceeds the highest number of U.S. cases per capita reached in January 2021.

New York Times 1/11/22
Chicago: COVID-19 case rate is **highest** it has been since the beginning of the pandemic.

Current average case rate: 4,793

Highest daily total
12/28: 7,871
Chicago: COVID-19 test positivity is **highest** it has been since the first wave of the pandemic.

Current positivity: 18.9%
Across system in Chicago today:
18% non-ICU capacity
10% ICU capacity
Chicago: COVID-19 Hospitalizations remain low overall among children 0-17 y/o, though child hospitalizations have increased, particularly among unvaccinated children.
Chicago: Non-ICU Hospital Beds occupied by COVID-19 patients at highest census since the beginning of the pandemic.

Current average: 1,562
18% non-ICU capacity available
Chicago: ICU Hospital Beds occupied by COVID-19 patients at highest census since December 2020

Current average: 312
10% ICU capacity available
Chicago: Ventilators occupied by COVID-19 patients

Current average: 167
64% ventilator capacity
# Chicago COVID-19 Community Transmission and Risk Matrix

<table>
<thead>
<tr>
<th>Category</th>
<th>Very High Transmission</th>
<th>High Transmission</th>
<th>Substantial Transmission</th>
<th>Lower Transmission</th>
<th>Low Transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COVID-19 Cases Diagnosed Per Day</strong></td>
<td>800+</td>
<td>400 – 799</td>
<td>200 – 399</td>
<td>20 – 199</td>
<td>=20</td>
</tr>
<tr>
<td>Chicago residents - 7-day rolling daily average</td>
<td><strong>Current: 4,793</strong></td>
<td>Decreasing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>COVID-19 Test Positivity</strong></td>
<td>10%+</td>
<td>6.6 – 9.9%</td>
<td>5.0 – 6.5%</td>
<td>2 – 4.9%</td>
<td>=2%</td>
</tr>
<tr>
<td>Chicago residents - 7-day rolling daily average</td>
<td><strong>Current: 18.9%</strong></td>
<td>Decreasing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hospital Beds (Non–ICU) Occupied by COVID Patients</strong></td>
<td>1250+</td>
<td>750 – 1249</td>
<td>250 – 749</td>
<td>100 – 249</td>
<td>=100</td>
</tr>
<tr>
<td>Chicago hospitals - 7-day rolling daily average</td>
<td><strong>Current: 1,562</strong></td>
<td>Increasing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ICU Beds Occupied by COVID Patients</strong></td>
<td>400+</td>
<td>300 – 399</td>
<td>100 – 299</td>
<td>20 – 99</td>
<td>=20</td>
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<td>Chicago hospitals - 7-day rolling daily average</td>
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Source: Chicago Department of Public Health, data current as of January 10, 2022. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.
So, what should we do to protect ourselves and community from COVID and its variants?

- VAX UP
- MASK UP
- BACK UP
- WASH UP
- TEST UP

(BOOST UP)
Vaccination rates continue to increase in Chicago. 77% of eligible Chicagoans (5+) have received at least one dose of a COVID vaccine.

At least one dose (% vaccinated as of 1/9/2022)

- 5+: 77.5%
- 12+: 81.1%
- 18+: 81.7%
- 65+: 80.3%

Completed vaccine series (% vaccinated as of 1/9/2022)

- 5+: 69.4%
- 12+: 73.3%
- 18+: 74.2%
- 65+: 74.8%
Chicago: Vaccination rates by age continue to increase and above national average in children and adolescents

At least one dose (% vaccinated as of 1/9/2022)

- U.S. 5-11 y/o with one dose: **24.6%**
- U.S. 12-17 y/o with one dose: **63.6%**

Completed vaccine series (% vaccinated as of 1/9/2022)

- U.S. 5-11 y/o completed series: **15.6%**
- U.S. 12-17 y/o completed series: **53.6%**
COVID-19 vaccine coverage among all Chicago youth vs. CPS students

- Coverage among CPS students lower than citywide youth coverage, especially among teens
- Differences in names and birth dates between I-CARE and CPS enrollment files may lead to missing matches and underestimate coverage among CPS students

U.S. 12-17 y/o with one dose: 63.6%
U.S. 5-11 y/o with one dose: 24.6%

Data as of 1/04/2022. Vaccination records in I-CARE were matched to CPS student rosters using first name, last name, and date of birth. Vaccination records may not match to the correct student if names and dates of birth between the two systems do not match or the student’s vaccination history is not documented in I-CARE. False matches due to identical names and dates of birth are possible. I-CARE does not contain doses of vaccine given outside of Illinois or by federal agencies (e.g., Veterans Health Administration).
All aldermen picking up 20,000 KN95 masks each for ward distribution yesterday and today. Asked to prioritize high-need settings.

More than 100 community organizations picking up thousands of KN95 masks for distribution Wed-Fri.
KN95 mask distribution

- Identified total of **1.9m** KN95 masks, appropriate for non-medical (community) settings
- One-time distribution only
- **200k** went to CPS
- Each aldermen offered **20k**
- The remainder will go directly to CBOs
  - Offered to Healthy Chicago Equity Zone leads and community orgs, RERRT, Protect Chicago Plus partners.
  - More than 100 organizations had expressed interest in distribution, will be Wed-Fri.
- Plan is to distribute them all this week. Again, ONE TIME distribution. Big operation, storage constraints, etc.
CDPH already works with SHIELD. We are linking additional sites with existing partnerships to Uof I SHIELD program to expand their operations to be open to the community and working to expand others.

The first of these (Federal Courthouse) is due to open to the public TOMORROW January 12\textsuperscript{th}, 2022. Chi.gov/covidtest remains the best place to get Chicago-specific information on testing. You can also call 312-746-5438 for information.
CDPH is working to further expand community-based testing in this surge through several methods. We are focused on settings that are scalable during surges.

Priorities are 1) **decompressing Emergency Departments**, where people are still going to seek testing
2) Testing in areas where hospitalizations are the highest, *while supporting linking people testing positive to care to reduce risk of hospitalization.*

->Work has begun on sites in **Medical District** and **Daley College** - expected timeline ~2 wks.
CDPH Family Vaccination Clinic – Extended Dates

- CDPH to do “second lap” of family clinics at City Colleges due to popularity and continued demand

<table>
<thead>
<tr>
<th>Week</th>
<th>DOW</th>
<th>Date</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Saturday</td>
<td>22-Jan</td>
<td>Daley College</td>
</tr>
<tr>
<td></td>
<td>Sunday</td>
<td>23-Jan</td>
<td>Wright College</td>
</tr>
<tr>
<td>2</td>
<td>Saturday</td>
<td>29-Jan</td>
<td>Kennedy-King College</td>
</tr>
<tr>
<td></td>
<td>Sunday</td>
<td>30-Jan</td>
<td>Olive-Harvey College</td>
</tr>
<tr>
<td>3</td>
<td>Saturday</td>
<td>5-Feb</td>
<td>Truman College</td>
</tr>
<tr>
<td></td>
<td>Sunday</td>
<td>6-Feb</td>
<td>Malcolm X College</td>
</tr>
<tr>
<td>4</td>
<td>Saturday</td>
<td>12-Feb</td>
<td>Daley College</td>
</tr>
<tr>
<td></td>
<td>Sunday</td>
<td>13-Feb</td>
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</tr>
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<tr>
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<td>20-Feb</td>
<td>Olive-Harvey College</td>
</tr>
<tr>
<td>6</td>
<td>Saturday</td>
<td>26-Feb</td>
<td>Truman College</td>
</tr>
<tr>
<td></td>
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A positive test is positive, no matter what kind of test or where it is done!

No need to repeat tests.
Need a vaccine or a booster? Have questions?

visit CHI.GOV/COVIDVAX

or call 312-746-4835