U.S. currently 48th most vaccinated country in the world. Still many countries, particularly in Africa, <1% vaccinated. Major global disparities. Only 9 of 54 countries in Africa hit WHO goal of vaccinating at least 10% by end of September.
City of Chicago – COVID-19 Vaccine International Donation

• Chicago/CDPH has been one of the only (perhaps the only!) U.S. jurisdiction to successfully return 28,000 unused vaccine doses for international donation to CDC prior to expiration

• CDPH was able to meet all required qualifying criteria for the reverse distribution/retrieval
  o Strict vaccine storage and handling procedures
  o Vaccine packed in our Greenbox thermal shipping containers with 24-hour real-time log monitoring
  o Alarm notification platform that meets Federal, state, and industry standards for data integrity, user accountability, and product security
No changes this week to Chicago’s COVID-19 Travel Advisory:
47 States and Three Territories

As many as SIX states/territories could come off advisory next week (AL, DC, FL, HI, MA, USVI)
Average daily COVID-19 cases per 100,000 population

44 Million Cumulative Cases
717,501 Cumulative Deaths

Presented by the New York Times 10/13/2021; Sources: Local governments; The Center for Systems Science and Engineering at Johns Hopkins University

National currently:
28 diagnosed daily cases per 100,000 people

Chicago currently:
12 diagnosed daily cases per 100,000 people

Vaccinations

<table>
<thead>
<tr>
<th>At least one dose</th>
<th>Fully vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>All ages</td>
<td>65%</td>
</tr>
<tr>
<td>12 and up</td>
<td>77%</td>
</tr>
<tr>
<td>65 and up</td>
<td>95%</td>
</tr>
</tbody>
</table>
Average daily COVID-19 hospitalizations per 100,000 population

National currently: 20 hospitalized COVID-19 patients per 100,000 people

Chicago currently: 10 hospitalized COVID-19 patients per 100,000 people
SARS-CoV-2 Variant Surveillance: Still over 99% Delta

United States: 6/27/2021-10/2/2021

<table>
<thead>
<tr>
<th>WHO label</th>
<th>Lineage #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha</td>
<td>B.1.1.7</td>
</tr>
<tr>
<td>Beta</td>
<td>B.1.351</td>
</tr>
<tr>
<td>Gamma</td>
<td>P.1</td>
</tr>
<tr>
<td>Delta</td>
<td>B.1.617.2</td>
</tr>
<tr>
<td></td>
<td>AY.1</td>
</tr>
<tr>
<td></td>
<td>AY.2</td>
</tr>
<tr>
<td>Iota</td>
<td>B.1.526</td>
</tr>
<tr>
<td>Kappa</td>
<td>B.1.617.1</td>
</tr>
<tr>
<td>Mu</td>
<td>B.1.621</td>
</tr>
<tr>
<td>N/A</td>
<td>B.1.628</td>
</tr>
<tr>
<td>Other</td>
<td>B.1.637</td>
</tr>
<tr>
<td>Other*</td>
<td></td>
</tr>
</tbody>
</table>

Collection date, week ending: 6/27/2021-10/2/2021

https://covid.cdc.gov/covid-data-tracker/#variant-proportions
Chicago COVID-19 Community Transmission and Risk Matrix

<table>
<thead>
<tr>
<th>COVID-19 CASES DIAGNOSED PER DAY</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>Chicago residents - 7-day rolling daily average</td>
<td>≥800</td>
<td>400 – 799</td>
<td>200 – 399</td>
<td>20 – 199</td>
<td>≤20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COVID-19 TEST POSITIVITY</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>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%</td>
<td>≤2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<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>
<tbody>
<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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ICU BEDS 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>
<tbody>
<tr>
<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>
</tbody>
</table>

Source: Chicago Department of Public Health, data current as of October 13, 2021. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.
Chicago: New COVID cases continue to decline, Chicago still in **substantial** transmission category (200-399/day)

Nov 10, 2020: 3,356 diagnosed cases

Current average: 317 cases/day

Chi.gov/coviddash

Last October
Chicago: COVID test positivity continues to decline

April 9, 2020: 30% positivity

November 11, 2020: 15.9% positivity

Current positivity: 2.0%

Chi.gov/coviddash
Chicago: Highest COVID case rates still in 30-39 year-olds; no increase in child cases (0-17 year-olds) since August 30

Current 7-day daily average for Chicago children newly hospitalized with COVID-19: 0 children hospitalized.
COVID CASE rates remain higher among Unvaccinated compared to Fully Vaccinated Chicagoans. Even in Delta surge alone, unvaccinated Chicagoans have been MORE THAN TWICE as likely as vaccinated Chicagoans to be diagnosed with COVID-19.

Chicago Residents’ Weekly COVID Case Rate per 100,000 by vaccination status

Unvaccinated

Fully vaccinated

Notes:
Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 2/28/2021-10/2/2021, pulled 10/6/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test (with no other positive tests in the previous 45 days). Rate for vaccinated calculated as total cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.
COVID HOSPITALIZATION rates remain much higher among Unvaccinated compared to Fully Vaccinated Chicagoans.

Even in Delta surge alone, unvaccinated Chicagoans have been more than FIVE TIMES as likely as vaccinated Chicagoans to be hospitalized with COVID-19.

Notes:
Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of hospital admission 2/28/2021-10/2/2021, pulled 10/6/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test (with no other positive tests in the previous 45 days). Rate for vaccinated calculated as total hospitalized cases divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total hospitalized cases divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.
COVID DEATH rates remain much higher among Unvaccinated compared to Fully Vaccinated Chicagoans. Even in Delta surge alone, unvaccinated Chicagoans have been more than EIGHT TIMES as likely as vaccinated Chicagoans to die from COVID-19.

Notes:
Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of death 2/28/2021-10/2/2021, pulled 10/6/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry. Fully vaccinated defined as completion of vaccine series at least 14 days prior to a positive test (with no other positive tests in the previous 45 days). Rate for vaccinated calculated as total case deaths divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total case deaths divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.
**Breakthrough Cases, Chicago**

- 12,781 breakthrough cases diagnosed out of 1,565,890 (0.8%) Chicagoans fully vaccinated*
  - 495 breakthrough hospitalizations, COVID-19 related or under investigation
    - Median age: 68; nearly all with underlying conditions
  - 65 COVID-19 related breakthrough deaths
    - Median age: 78; all with underlying conditions (except 1 who died at home, unknown history)

- 99.2% of vaccinated Chicagoans have *not* tested positive for COVID-19
- 99.97% have *not* been hospitalized for COVID-19
- 99.996% have *not* died due to COVID-19

Data reported through 10/06/21

*Completed an FDA authorized vaccine and at least 14 days have passed since the last dose was administered*
New Senior Campaign Launching: Call 312-746-4835 with any questions about getting a vaccine.

Vaccines make a major difference in high-risk settings: Skilled Nursing Facility COVID-19 outbreaks in Chicago have been significantly smaller since vaccines became available.

<table>
<thead>
<tr>
<th>Outbreaks before vaccines</th>
<th>Outbreaks after vaccines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Median number of cases in each outbreak</td>
<td>34 cases in each outbreak (IQR: 12.5–79.5)</td>
</tr>
</tbody>
</table>

*An outbreak is defined as at least two lab-confirmed positive COVID-19 cases within 14 days (i.e. ORS definition). Vaccines first became available 12/28/2020.

*The number of outbreaks exceeds the number of SNFs in Chicago (n=78) because most SNFs have had multiple outbreaks.
DO YOU NEED A COVID-19 VACCINE BOOSTER?

PER CDC GUIDANCE - SIX MONTHS AFTER YOUR SECOND DOSE OF PFIZER’S COVID-19 VACCINE*

You SHOULD GET A PFIZER BOOSTER IF

- You are 65+
- You are 18+ living in a long-term care facility
- You are 50-64 at high risk of severe COVID-19 due to underlying medical conditions

You MAY GET A PFIZER BOOSTER IF

- You are 18-49 at high risk of severe COVID-19 due to underlying medical conditions
- You are 18-64 and at increased risk of exposure to COVID-19 at your job

*As of 9/30/21, Pfizer booster shots are only authorized for individuals who received Pfizer for their initial series
Good availability of Pfizer booster doses in Chicago: 30,308 Chicagoans received Pfizer boosters 9/24–10/6. Most given at pharmacies.

8/13: Additional dose of mRNA vaccine recommended for moderately to severely immunocompromised people

9/24: Pfizer booster announcement

Average of 450-500 doses/day

Data as of 10/6/2021. Third doses given include additional doses given to immunocompromised and booster doses.
Most eligible seniors (65y+) in Chicago have not yet received a Pfizer booster and should receive one.

As of 10/6/21: 96,533 Chicago seniors are eligible to receive a booster dose of Pfizer.

As of 10/6/21, 15,314 seniors have gotten a booster:

84% of eligible Chicago seniors have NOT yet gotten a Pfizer booster.

Another 25,174 are estimated to be eligible by the end of October.

Data as of 10/6/2021. Projected eligibility date defined as 182 days after the second dose of Pfizer was given.
Looking ahead: Moderna and J&J booster data/guidance in the next few weeks; potential vaccines for children 5–11 years old in early November

**TOMORROW:** FDA’s advisory committee meeting to review Moderna booster data

**FRIDAY:** FDA’s advisory committee meeting to review J and J booster data

**October 26:** FDA’s advisory committee meeting to review Pfizer data for 5-11 year-olds
Visit Chicago.gov/flu to find out where you can get your FLU and COVID vaccine.
CDPH/large City College sites will be offering Pfizer booster doses in addition to FLU and COVID primary series vaccines

Saturday, October 16, 2021
- Wright College – Family Flu/COVID (4300 N Narragansett Ave)
- Arturo Velasquez Institute – Family Flu/COVID (2800 S Western Ave)
- Kennedy King College – Family Flu/COVID (6301 S Halsted St)

Saturday, October 23, 2021
- Daley College – Family Flu/COVID (7500 S Pulaski Rd)
- Truman College – Family Flu/COVID (1145 W Wilson Ave)
Percent of residents 12+ years-old with at least one dose of COVID-19 vaccine by community area

Citywide: 73.7%

Data reported to the Illinois Comprehensive Automated Immunization Registry (I-CARE) through 10/2/2021. 2% of people with a first dose had an address that was unable to be geocoded and do not appear on this map.
Weekly percent increase in residents 12+ years-old with at least one dose of COVID-19 vaccine

Data reported to the Illinois Comprehensive Automated Immunization Registry (I-CARE) through 10/2/2021. 2% of people with a first dose had an address that was unable to be geocoded and do not appear on this map.
Other Community Area Vaccination Milestones

50% REACHED THIS WEEK
IST Dose Vaccination Coverage (Ages 12+)
Woodlawn

60% REACHED THIS WEEK
IST Dose Vaccination Coverage (Ages 12+)
Pullman

70% REACHED THIS WEEK
IST Dose Vaccination Coverage (Ages 12+)
Jefferson Park & New City
Percent of residents 12+ years-old with a completed COVID-19 vaccine series by community area

Citywide: 67.7%

Data reported to the Illinois Comprehensive Automated Immunization Registry (I-CARE) through 10/2/2021. 2% of people with a completed series had an address that was unable to be geocoded and do not appear on this map.
2 OUT OF 3 ELIGIBLE CHICAGOANS HAVE COMPLETED THEIR COVID-19 VACCINE SERIES

67.7% of Chicagoans 12y+ finished the COVID-19 vaccine series as of October 7th
ANY CHICAGO BUSINESS CAN:

- Require vaccination for all staff and patrons.
- Complete the City’s vax self-certification process.
- Print and display vax badge signage to show you Protect Chicago.

LEARN MORE AT www.chi.gov/77pledge
GET VAXXED AT HOME
& GET A $100 GIFT CARD

- Open to all Chicago households
- Up to 10 people can be vaccinated at a time
- Pfizer (12 +) or Johnson & Johnson (18 +)

Appointments:
Monday-Friday,
8:00 am to 6:30 pm

One $50 gift card for each Pfizer dose,
two $50 gift cards for single J&J dose.
Booster doses do not qualify.

To schedule your home vaccination appointment:
CALL 312.746.4835
OR VISIT chicago.gov/athome
Celebrating Halloween Safely

• Halloween is coming, and it is important to remember that COVID-19 is still the biggest goblin we face.
• Learn how you can be safe and celebrate all eight days of Halloweek!
• Visit Chicagohalloweek.com
Chicago’s Nine Halloweek Guidelines

1. Masks are recommended for unvaccinated children Trick-or-Treating outdoors this year whenever social distancing is not possible.

2. Trick-or-Treating? Stay on the move! Less congregating means more houses and more candy.

3. Keep your candy crew small – choose a small group of friends to Trick-or-Treat with.

4. Eat candy at home, or after washing or sanitizing your hands.

5. Handing out candy? Please wear a mask while interacting with children and socially distance. Please use hand sanitizer before handing out candy.

6. Leave a light on or hang a Halloween sign in your window to let others know your house is participating in safe Trick-or-Treating.

7. Do not hand out candy or participate in Halloween events if you are having symptoms of COVID-19 or feel sick, even if you have been fully vaccinated.

8. Outdoor activities are safer than indoor activities – Masks are not required outdoors when everyone can social distance.

9. For indoor activities such as Haunted Houses or Halloween events – masks should be worn by anyone age 2 and older. Increase ventilation by opening outside windows.

Chicagohalloweek.com
COVID-19 case rate remains low in Chicago Public Schools

Since the start of the school year:

Total of 0.57% (about 6 out of every 1,000) CPS staff and students have:

• A) had a positive COVID-19 test and
• B) been present at a CPS facility during the time they may have been infectious (starting two days before their symptom onset or positive test)

Last week:

Total of 0.09% (less than 1 out of every 1,000 staff and students)

<table>
<thead>
<tr>
<th></th>
<th>Overall (August 29-Oct 12)</th>
<th>Last week (Oct 3-9)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Cases</td>
</tr>
<tr>
<td>Students</td>
<td>270,458</td>
<td>1,396</td>
</tr>
<tr>
<td>Staff</td>
<td>39,228</td>
<td>377</td>
</tr>
<tr>
<td>Total</td>
<td>309,686</td>
<td>1,773</td>
</tr>
</tbody>
</table>

Students include only students in district-run schools (excluding charter and contract schools). All staff, including citywide, network, and central staff, are included. Actionable cases include individuals who were in a CPS building during their infectious period. Non-actionable cases are not included in this calculation. Cases are self-reported and assigned to the date they were reported. Data from school year 2021-22 are included. Data is from CPS public dashboard, October 13, 2021.
COVID-19 case rate has *not* increased in Chicago Public Schools as school has been in session, even while screening testing has ramped up.

Cases include individuals who were in a CPS building during their potentially infectious period. Cases include those that are self-reported and are assigned to the date they were reported. Data from school year 2021-22 are included. Data is from CPS public dashboard, October 13, 2021. Data for the current week was available through Monday, October 11, at the time of this report.
Clusters and outbreaks at CPS

- As of October 1, IDPH defines an outbreak as **3 or more** COVID-19 cases potentially linked in a school setting (includes school-associated extracurricular activities).

- A total of **20 clusters/outbreaks** have been detected, investigated, and reported in CPS schools since the school year began.

- Most clusters/outbreaks are **very small** (average 2.4 cases):
  - 14 (70%) clusters include 2 people
  - 4 (20%) outbreaks include 3 people
  - 2 (10%) outbreaks include 4 people

- Cluster/outbreak size:
  - Average 2.4 cases (range 2-4)

- Cluster/outbreak roles:
  - 12 (60%) involve students only
  - 4 (20%) involve staff only
  - 4 (20%) involve staff and students

As of 10/13/21. As of 10/1, a school-associated cluster/outbreak is defined as 3 or more epi-linked, lab-confirmed cases with onset within 14 days AND cases are not close contacts of each other in another setting (i.e. household) outside of the school setting or have a more likely known common exposure. Prior to 10/1, a school-associated outbreak only included 2 or more epi-linked, lab-confirmed cases. IDPH requires all outbreaks to be reported. 6 additional reports of potential linkages in school settings are currently under investigation.
Clusters/outbreaks at CPS schools in the 2021-2022 school year have been small to date; most involve students only.

Cluster/outbreak roles:
- 12 (60%) involve students only
- 4 (20%) involve staff only
- 4 (20%) involve staff and students
New Quarantine Protocol

As a reminder from last week, CPS has shortened the quarantine timeline from 14 days to 10 days.

This aligns with CDPH, IDPH, and CDC guidance.
Reported COVID Case Update

Total Reported Cases
8/29/2021 - 10/12/2021

377 Adults
1396 Students
**COVID-19 Testing Program Overview**

Reporting Period: Monday Oct. 4 - Friday Oct. 8

<table>
<thead>
<tr>
<th>Tests Administered</th>
<th>Schools Visited</th>
<th>Positive Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>17,950</strong> Tests administered last week</td>
<td><strong>507</strong> schools visited last week</td>
<td><strong>0.32%</strong> Positive Test Rate</td>
</tr>
</tbody>
</table>

5 schools were not seen last week due to last-minute call-offs

(44 positive test results of 13,961 tests completed)
NOTE: This chart shows completed tests and positive tests. The number of completed tests will always lag behind the number of administered tests.
Number of Schools Visited Each Week

Aug. 29, 2021 - Oct. 9, 2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Number of Schools Visited</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/29</td>
<td>12</td>
</tr>
<tr>
<td>9/5</td>
<td>43</td>
</tr>
<tr>
<td>9/12</td>
<td>126</td>
</tr>
<tr>
<td>9/19</td>
<td>305</td>
</tr>
<tr>
<td>9/26</td>
<td>502</td>
</tr>
<tr>
<td>10/3</td>
<td>507</td>
</tr>
</tbody>
</table>
COVID-19 Testing Program Overview

Student Registration

23,720

CPS Students Registered for In-School Testing

Visit cps.edu/covid to sign up
99% of case investigations last week were initiated within 24 hours.

90% of case investigations last week were completed in under 48 hours.
Quarantine / Isolation Update

Individuals in Quarantine/Isolation on 10/12/2021, 5:00 PM

232 Adults
5568 Students

Daily Reported Cases and Quarantined/Isolated Individuals
8/29/2021 - 10/12/2021

<table>
<thead>
<tr>
<th>Date</th>
<th>Reported Adults</th>
<th>Quarantined/Isolated Adults</th>
<th>Reported Students</th>
<th>Quarantined/Isolated Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/12/2021</td>
<td>0</td>
<td>232</td>
<td>0</td>
<td>5568</td>
</tr>
<tr>
<td>10/11/2021</td>
<td>5</td>
<td>260</td>
<td>13</td>
<td>5779</td>
</tr>
<tr>
<td>10/10/2021</td>
<td>5</td>
<td>261</td>
<td>18</td>
<td>5438</td>
</tr>
<tr>
<td>10/9/2021</td>
<td>6</td>
<td>258</td>
<td>8</td>
<td>5276</td>
</tr>
<tr>
<td>10/8/2021</td>
<td>7</td>
<td>300</td>
<td>25</td>
<td>6616</td>
</tr>
<tr>
<td>10/7/2021</td>
<td>12</td>
<td>314</td>
<td>40</td>
<td>6691</td>
</tr>
</tbody>
</table>
School-Level Quarantine / Isolation Data Now Available

**Benito Juarez Community Academy High School Daily Cases**

<table>
<thead>
<tr>
<th>Date</th>
<th>Reported Cases</th>
<th>Quarantined/Isolated</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/11/2021</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10/10/2021</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10/9/2021</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
Over 85% of CPS Staff have been vaccinated
As of Friday, Oct. 15, all CPS staff without a medical or religious exemption must show proof of vaccination.

Exceptions will be made for staff members who can show proof of one round of vaccination.

In order to continue to work, unvaccinated staff and vendors must consent to weekly testing as they work to get vaccinated.
WHAT EVERYONE MUST DO EVERYDAY TO PREVENT TRANSMISSION AND KEEP CPS AS HEALTHY AS WE CAN BE

GET VACCINATED

- Wear a cloth face covering.
- Wash your hands frequently and thoroughly.
- If you are sick, stay home.
- If you test positive, report your results to CPS at cps.edu/covidresults
- If you become sick, go home.