PROTECT CHICAGO

PROTEGE A CHICAGO
# Chicago COVID-19 Community Transmission 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>Controlled transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td>COVID-19 cases diagnosed per day</td>
<td>800+</td>
<td>400 – 799</td>
<td>200 – 399</td>
<td>20 – 199</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Chicago residents</td>
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<tr>
<td>7-day rolling daily average</td>
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<tr>
<td>Test positivity</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>
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<td>Chicago residents</td>
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<td>7-day rolling daily average</td>
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<tr>
<td>Hospital beds (non-ICU) occupied by COVID patients</td>
<td>1250+</td>
<td>750-1249</td>
<td>250 - 749</td>
<td>100 – 249</td>
<td>&lt;100</td>
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<tr>
<td>Chicago hospitals</td>
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<tr>
<td>ICU beds occupied by COVID patients</td>
<td>400+</td>
<td>300 - 399</td>
<td>100 – 299</td>
<td>20 - 99</td>
<td>&lt;20</td>
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Source: Chicago Department of Public Health, data current as of July 28, 2021. These metrics represent general community COVID transmission and should not be applied to individual settings that have mitigation practices in place.
New daily COVID-19 diagnoses in Chicago residents, full pandemic

Only **13 days in 2020** (June) with fewer than 200 COVID-19 diagnoses per day, even though testing was much less available in the beginning.

Lots of attention on **breakthrough infections** but **99.9%** of vaccinated Chicagoans have **not** been diagnosed with COVID-19 since being vaccinated.
New daily COVID-19 hospitalizations in Chicago residents, full pandemic since January 2021:

- 97% of COVID-19 hospitalizations in Chicago residents have been in people not fully vaccinated.

**Breakthroughs:** 99.99% of vaccinated Chicagoans have not been hospitalized.
New daily COVID-19 deaths in Chicago residents, full pandemic

Since January 2021: 97% of COVID-19 deaths in Chicago residents have been in people not fully vaccinated.

Breakthroughs: 99.999% of vaccinated Chicagoans have not died of COVID-19
Weekly COVID-19 deaths in Chicago residents, full pandemic

First surge
~350 deaths per week
~50 per day

Second surge
~180 deaths per week
~25 per day

Third “surge”
(vaccines available)
~50 deaths per week
~7 per day

Currently:
1 death per day
Nationally

Symptomatic breakthrough COVID-19 infections

Currently...
- For every 102K vaccinated
- There are 100 symptomatic breakthrough infections
- And ONE death

as of 26 July 2021, source: https://abcn.ws/3y9lpvv
In Chicago, unvaccinated people remain much more likely to be diagnosed with COVID-19 than partially or fully vaccinated people.

Weekly Chicago Case Rate per 100,000 by Vaccination Status

**Notes:** Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose prior to a positive test. 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.
In Chicago, **unvaccinated** people remain much more likely to be hospitalized with COVID-19 than **partially** or **fully vaccinated** people.

**Weekly Hospitalization Rate per 100,000 by Vaccination Status**

**Notes:** Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose **prior to** a positive test. 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.
In Chicago, unvaccinated people remain much more likely to die from COVID-19 than partially or fully vaccinated people.

Weekly Chicago Death Rate per 100,000 by Vaccination Status

Notes: Includes cases among Chicago residents reported into the Illinois Electronic Disease Surveillance System (I-NEDSS) with date of specimen collection 1/1/2021-7/24/2021, pulled 7/27/2021. Vaccination status obtained from the Illinois Comprehensive Automated Immunization Registry (I-CARE) registry; Vaccinated defined as having had at least one dose prior to a positive test. Rate for vaccinated calculated as total cases known to have died divided by cumulative vaccinated at the end of each week, multiplied by 100,000. Rate for unvaccinated calculated as total cases known to have died divided by total population minus cumulative vaccinated at the end of each week, multiplied by 100,000.
More than 3 million COVID-19 vaccines administered

NUMBER of vaccines administered per ZIP code (darker shade=more)

At least 40% of age-eligible Chicagoans (12y+) in every ZIP code have vaccine

PERCENT of ZIP code’s 12y+ population first-dose vaccinated (darker shade=higher)

Chi.gov/COVIDdash
Shaded zip codes: X percent of age-eligible Chicagoans 12y+ are vaccinated (first dose)

**ALL ZIPS:**
At least **40% vax**

**ALL BUT 6 ZIPS:**
At least **50% vax**

**ALL BUT 13 ZIPS:**
At least **60% vax**

Chi.gov/COVIDdash
Shaded zip codes: X percent of eligible Chicagoans 12y+ are vaccinated (first dose)

At least 70% vax
At least 80% vax
At least 90% vax
Cases
People tested positive
Latest data provided on 3 August 2021

Daily
21,691

Last 7 days
182,730 ➖47,098 (-20.5%)

Rate per 100,000 people: 279.5

Healthcare
Patients admitted
Latest data provided on 30 July 2021

Daily
731

Last 7 days
6,003 ➖27 (-0.4%)

Death within 28 days of positive test
Latest data provided on 3 August 2021

Daily
138

Last 7 days
542 ➖62 (12.9%)

Rate per 100,000 people: 0.7
International example: United Kingdom

Major surge in cases with Delta variant
(But now decreasing quickly)

Thanks to vaccine, DRAMATICALLY fewer hospitalizations and deaths (1/15th peak)

Data pulled 8.3.21. https://coronavirus.data.gov.uk/
Data through week ending 7/24/21.
https://www.sandiegocounty.gov/content/dam/sdc/hhsa/programs/phs/Epidemiology/COVID-19%20Watch.pdf