Protecting Chicago: Phase IV Re-Opening Metrics Update

April 9th, 2021
(Data current through 4/7/2021)
<table>
<thead>
<tr>
<th>Risk level as of 4/9/2021</th>
<th>Very high risk</th>
<th>High risk</th>
<th>Moderate risk</th>
<th>Lower risk</th>
<th>Controlled transmission</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COVID cases diagnosed per day</strong></td>
<td><strong>VERY HIGH</strong> 614</td>
<td>800+ -or- *7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>400 - 799 -or- 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>200 - 399 -and- decreasing or stable compared to daily average one week prior</td>
<td>20 - 199 -and- decreasing or stable compared to daily average one week prior</td>
</tr>
<tr>
<td>Chicago residents 7-day rolling daily average</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>COVID test positivity</strong></td>
<td><strong>VERY HIGH</strong> 5.2%</td>
<td>10%+ -or- *7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>6.6 - 9.9% -or- 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>5.0 - 6.5% -and- decreasing or stable compared to daily average one week prior</td>
<td>2 - 4.9% -and- decreasing or stable compared to daily average one week prior</td>
</tr>
<tr>
<td>Chicago residents 7-day rolling daily average</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Emergency dept visits for COVID-like illness</strong></td>
<td><strong>VERY HIGH</strong> 120</td>
<td>90+ -or- 7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>80-89 -or- 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>60 - 79 -and- decreasing or stable compared to daily average one week prior</td>
<td>20 - 59 -and- decreasing or stable compared to daily average one week prior</td>
</tr>
<tr>
<td>Chicago hospitals 7-day rolling daily average</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>ICU beds occupied by COVID patients</strong></td>
<td><strong>MODERATE</strong> 101</td>
<td>400+ -or- &lt;20% overall ICU bed availability</td>
<td>300 - 399 -or- &lt;22% overall ICU bed availability</td>
<td>100 - 299 -and- decreasing or stable compared to daily average one week prior</td>
<td>20 - 99 -and- decreasing or stable compared to daily average one week prior</td>
</tr>
<tr>
<td>Chicago hospitals 7-day rolling daily average</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cases by Race/Ethnicity and by Age
Incident cases are highest for White, non-Latinx while increasing faster for Latinx and Black, non-Latinx.

Daily COVID-19 cases with known specimen report date and race/ethnicity information. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.
Incident cases are highest and increasing fastest for 18-29 year olds followed by 30-39 year olds.

Daily COVID-19 cases with known specimen report date and race/ethnicity information. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.
Weekly changes in COVID-19 cases by race/ethnicity and age group for week ending April 3rd (comparisons to week ending Mar 27th)

<table>
<thead>
<tr>
<th>Age Group (years)</th>
<th>Latinx</th>
<th>% of Age grp</th>
<th>Change from last week</th>
<th>Black, NL</th>
<th>% of Age grp</th>
<th>Change from last week</th>
<th>White, NL</th>
<th>% of Age grp</th>
<th>Change from last week</th>
<th>Asian, NL</th>
<th>% of Age grp</th>
<th>Change from last week</th>
<th>Total</th>
<th>Change from last week</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>131</td>
<td>34%</td>
<td>0</td>
<td>117</td>
<td>30%</td>
<td>+50</td>
<td>90</td>
<td>23%</td>
<td>+28</td>
<td>18</td>
<td>5%</td>
<td>+6</td>
<td>541</td>
<td>+119</td>
</tr>
<tr>
<td>18-44</td>
<td>507</td>
<td>24%</td>
<td>+68</td>
<td>418</td>
<td>20%</td>
<td>+52</td>
<td>883</td>
<td>42%</td>
<td>+63</td>
<td>121</td>
<td>6%</td>
<td>+46</td>
<td>2620</td>
<td>+333</td>
</tr>
<tr>
<td>45-64</td>
<td>187</td>
<td>25%</td>
<td>+39</td>
<td>256</td>
<td>35%</td>
<td>+90</td>
<td>220</td>
<td>30%</td>
<td>+18</td>
<td>35</td>
<td>5%</td>
<td>+6</td>
<td>904</td>
<td>+165</td>
</tr>
<tr>
<td>65+</td>
<td>33</td>
<td>15%</td>
<td>+2</td>
<td>94</td>
<td>43%</td>
<td>+29</td>
<td>71</td>
<td>33%</td>
<td>+41</td>
<td>8</td>
<td>4%</td>
<td>+4</td>
<td>251</td>
<td>+63</td>
</tr>
<tr>
<td>Total</td>
<td>858</td>
<td>25%</td>
<td>+109</td>
<td>885</td>
<td>26%</td>
<td>+225</td>
<td>1264</td>
<td>37%</td>
<td>+136</td>
<td>182</td>
<td>5%</td>
<td>+62</td>
<td>4316</td>
<td>+680</td>
</tr>
</tbody>
</table>

Percentages are computed using confirmed COVID-19 cases with known race/ethnicity.

Data pulled Wednesday 4/7/21
Changes in weekly case counts by zip code

Week ending 3/27/21 (n=3,575)  
Week ending 4/3/21 (n=4,316)

Note: Week is data through the Wednesday after the end date for the week. Week 13 ending April 3rd and week 12 ending March 27th.
Hospital Admissions, by Race/Ethnicity and by Age
Daily COVID-19 hospital admissions are highest and rose fastest in Black, non-Latinx.

COVID-19 Hospital Admissions, by Race/Ethnicity, rolling 7-day average, first known hospital admit date

Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. Daily counts for most recent dates displayed are likely incomplete. Cases who are not indicated to have been hospitalized across any of the three data sources are assumed to not have been hospitalized. Six records with hospital admit dates from January and February 2020 are excluded from this chart. Peak daily admissions based on rolling 7-day average.
Recent COVID-19 hospitalizations by Chicago zip code (Mar 7– Apr 3, 2021) n=882

Please note that COVID-19 hospitalizations have significant reporting delays
Recent hospitalizations by race/ethnicity and age group (Mar 7– Apr 3, 2021)

Percentages are computed using COVID-19 hospitalizations with known race/ethnicity.

Data pulled Wednesday 4/7/21
Deaths by Race/Ethnicity
Daily COVID-19 deaths are currently similar for most race/ethnicities.

COVID-19 Deaths, by Race/Ethnicity, rolling 7-day average

Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS. A five day lag is imposed to reduce inaccuracy created by reporting delays.
Reopening Metrics
COVID-19 Cases
COVID-19 case incidence risk level is very high.

Daily COVID-19 cases with known specimen report date. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.
COVID-19 case incidence risk level varies over time.

Daily COVID-19 cases with known specimen report date. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.
Emergency Department Visits
ED visits for COVID-like illness risk level is very high.

Count of all emergency department visits reported with COVID-like symptoms among Chicago residents.

Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.
ED visits for COVID-like illness reached the highest peak in early May and is currently increasing.

Count of all emergency department visits reported with COVID-like symptoms among Chicago residents.

Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.
Test Positivity
Test positivity risk level is high.

COVID-19 tests, 7-day rolling average for test positive (%)

<table>
<thead>
<tr>
<th>Date</th>
<th>Test Positivity, 7DRA</th>
<th>Consecutive days with 10%+ change</th>
<th>Consecutive days with 15%+ change</th>
<th>Risk level</th>
<th># of days 10%+ in last week</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/9/2021</td>
<td>5.2%</td>
<td>7</td>
<td>7</td>
<td>VERY HIGH</td>
<td>7</td>
</tr>
</tbody>
</table>

Test positivity is the number of positive tests divided by all tests performed. For the purposes of public reporting, the definition of ‘tests’ was expanded on 2/8/2021 to include antigen tests in addition to PCR tests. (Previous reports only described PCR tests). The new definition is applied to testing performed at any point during the epidemic. Source: INEDSS.
Test positivity varies over time.

Test positivity is the number of positive tests divided by all tests performed. For the purposes of public reporting, the definition of ‘tests’ was expanded on 2/8/2021 to include antigen tests in addition to PCR tests. (Previous reports only described PCR tests). The new definition is applied to testing performed at any point during the epidemic. Source: INEDSS.
Test positivity by Race-Ethnicity ((March 7 – April 3, 2021))

Week Ending March 13: 1.8%
Week Ending March 20: 2.3%
Week Ending March 27: 2.7%
Week Ending April 3: 3.0%

- Latinx
- Black, Non-Latinx
- White, Non-Latinx
- Asian, Non-Latinx
- Unknown
Test positivity by Age through (March 7 - April 3, 2021)
Hospital System Capacity
COVID-19 occupied ICU beds risk level is lower.

ICU beds occupied by COVID-19 patients, daily counts and 7 day average, daily occupancy census

<table>
<thead>
<tr>
<th>Date</th>
<th>ICU Beds Occupied by COVID-19, 7DRA</th>
<th>ICU Bed Availability, 7DRA</th>
<th>Risk level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/9/2021</td>
<td>101</td>
<td>24%</td>
<td>MODERATE</td>
</tr>
</tbody>
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Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.
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Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.

ICU availability and occupancy from COVID-19 varies.

ICU beds available and occupied by COVID-19 patients, daily counts and 7 day average, daily occupancy census

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<tr>
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<th>ICU Bed Availability, 7DRA</th>
<th>Risk level</th>
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<tbody>
<tr>
<td>4/9/2021</td>
<td>101</td>
<td>24%</td>
<td>LOWER</td>
</tr>
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Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.