Protecting Chicago: Phase IV Re-Opening Metrics Update

March 27th, 2021
(Data current through 3/25/2021)
### Chicago COVID-19 Community Metrics, Phase IV, current status

<table>
<thead>
<tr>
<th>Metric</th>
<th>Risk level as of 3/26/2021</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></td>
<td>800+ <em>-or-</em> 7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>400 - 799 <em>-or-</em> 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>200 - 399 <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>20 – 199 <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>&lt;20</td>
</tr>
<tr>
<td><strong>COVID test positivity</strong></td>
<td></td>
<td>10%+ <em>-or-</em> 7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>6.6 - 9.9% <em>-or-</em> 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>5.0 - 6.5% <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>2 - 4.9% <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>&lt;2%</td>
</tr>
<tr>
<td><strong>Emergency dept visits for COVID-like illness</strong></td>
<td><strong>VERY HIGH 74</strong></td>
<td>90+ <em>-or-</em> 7+ consecutive days more than 15% higher than daily average one week prior</td>
<td>80-89 <em>-or-</em> 5+ consecutive days more than 10% higher than daily average one week prior</td>
<td>60 - 79 <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>20 - 59 <em>-and-</em> decreasing or stable compared to daily average one week prior</td>
<td>&lt;20</td>
</tr>
<tr>
<td><strong>ICU beds occupied by COVID patients</strong></td>
<td><strong>LOWER 76 (25% capacity)</strong></td>
<td>400+ <em>-or-</em> &lt;20% overall ICU bed availability</td>
<td>300 - 399 <em>-or-</em> &lt;22% overall ICU bed availability</td>
<td>100 - 299 <em>-or-</em> &lt;22% overall ICU bed availability</td>
<td>20 - 99 <em>-or-</em> &lt;22% overall ICU bed availability</td>
<td>&lt;20</td>
</tr>
</tbody>
</table>
COVID-19 Cases
COVID-19 case incidence risk level is 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.
Weekly changes in COVID-19 cases by race/ethnicity and age group for week ending March 20\textsuperscript{th} (comparisons to week ending March 13\textsuperscript{th})

<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>103</td>
<td>38%</td>
<td>+28</td>
<td>63</td>
<td>23%</td>
<td>+17</td>
<td>60</td>
<td>22%</td>
<td>+13</td>
<td>12</td>
<td>4%</td>
<td>+3</td>
<td>344</td>
<td>+68</td>
</tr>
<tr>
<td>18-44</td>
<td>304</td>
<td>24%</td>
<td>+32</td>
<td>273</td>
<td>22%</td>
<td>+112</td>
<td>497</td>
<td>40%</td>
<td>+144</td>
<td>73</td>
<td>6%</td>
<td>+17</td>
<td>1,545</td>
<td>+370</td>
</tr>
<tr>
<td>45-64</td>
<td>107</td>
<td>26%</td>
<td>-14</td>
<td>140</td>
<td>35%</td>
<td>+49</td>
<td>114</td>
<td>28%</td>
<td>-10</td>
<td>22</td>
<td>5%</td>
<td>+10</td>
<td>508</td>
<td>+32</td>
</tr>
<tr>
<td>65+</td>
<td>24</td>
<td>18%</td>
<td>-5</td>
<td>50</td>
<td>38%</td>
<td>+15</td>
<td>38</td>
<td>29%</td>
<td>+6</td>
<td>11</td>
<td>8%</td>
<td>+4</td>
<td>156</td>
<td>+22</td>
</tr>
<tr>
<td>Total</td>
<td>538</td>
<td>26%</td>
<td>+41</td>
<td>526</td>
<td>26%</td>
<td>+193</td>
<td>701</td>
<td>35%</td>
<td>+153</td>
<td>118</td>
<td>6%</td>
<td>+34</td>
<td>2,553</td>
<td>+492</td>
</tr>
</tbody>
</table>

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

Data pulled Wednesday 3/24/21
Note: Week is data through the Wednesday after the end date for the week. Week 11 ending March 20th and week 10 ending March 13th.
Incident cases are highest for White, non-Latinx and increasing fastest for White and Black.

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.
Daily COVID-19 hospital admissions are highest and rising 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.
Daily COVID-19 deaths are currently similar for most race/ethnicities.

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.
Incident cases are highest and increasing fastest for 18-29 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.
Emergency Department Visits
ED visits for COVID-like illness risk level is 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 (%)

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 (Feb 21 – March 20, 2021)

<table>
<thead>
<tr>
<th>Week End</th>
<th>Latinx</th>
<th>Black, Non-Latinx</th>
<th>White, Non-Latinx</th>
<th>Asian, Non-Latinx</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 27</td>
<td>7.0%</td>
<td>4.1%</td>
<td>2.8%</td>
<td>2.2%</td>
<td>1.5%</td>
</tr>
<tr>
<td>Mar 6</td>
<td>6.2%</td>
<td>3.4%</td>
<td>2.8%</td>
<td>1.9%</td>
<td></td>
</tr>
<tr>
<td>Mar 13</td>
<td>3.3%</td>
<td>4.1%</td>
<td>2.8%</td>
<td>1.9%</td>
<td></td>
</tr>
<tr>
<td>Mar 20</td>
<td>3.4%</td>
<td>4.1%</td>
<td>2.8%</td>
<td>1.9%</td>
<td></td>
</tr>
</tbody>
</table>

- **Test Positivity**
Test positivity by Age through (Feb 21 – March 20, 2021)

- **0-17**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **18-29**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **30-39**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **40-49**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **50-59**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **60-69**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **70-79**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%

- **80+**
  - Week Ending Feb 27: 5.7%
  - Week Ending March 6: 3.4%
  - Week Ending March 13: 3.0%
  - Week Ending March 20: 3.7%
Hospital System Capacity
COVID-19 occupied ICU beds risk level is lower.

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.

<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>3/26/2021</td>
<td>76</td>
<td>25%</td>
<td>LOWER</td>
</tr>
</tbody>
</table>

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

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 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.
Recent COVID-19 hospitalizations by Chicago zip code (Feb 21–Mar 20, 2021) n=679

Please note that COVID-19 hospitalizations have significant reporting delays
Recent hospitalizations by race/ethnicity and age group (Feb 21– Mar 20, 2021)

<table>
<thead>
<tr>
<th>Age Group (years)</th>
<th>Latinx</th>
<th>% of Age grp</th>
<th>Black, NL</th>
<th>% of Age grp</th>
<th>White, NL</th>
<th>% of Age grp</th>
<th>Asian, NL</th>
<th>% of Age grp</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>4</td>
<td>22%</td>
<td>8</td>
<td>44%</td>
<td>2</td>
<td>11%</td>
<td>1</td>
<td>6%</td>
<td>19</td>
</tr>
<tr>
<td>18-44</td>
<td>50</td>
<td>35%</td>
<td>64</td>
<td>45%</td>
<td>21</td>
<td>15%</td>
<td>4</td>
<td>3%</td>
<td>153</td>
</tr>
<tr>
<td>45-64</td>
<td>51</td>
<td>23%</td>
<td>110</td>
<td>49%</td>
<td>41</td>
<td>18%</td>
<td>7</td>
<td>3%</td>
<td>241</td>
</tr>
<tr>
<td>65+</td>
<td>45</td>
<td>18%</td>
<td>105</td>
<td>41%</td>
<td>75</td>
<td>29%</td>
<td>13</td>
<td>5%</td>
<td>266</td>
</tr>
<tr>
<td>Total</td>
<td>150</td>
<td>23%</td>
<td>287</td>
<td>45%</td>
<td>139</td>
<td>22%</td>
<td>25</td>
<td>4%</td>
<td>679</td>
</tr>
</tbody>
</table>

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

Data pulled Wednesday 3/24/21