Protecting Chicago: Phase III Re-Opening Metrics Update

June 12, 2020
COVID-19 Confirmed Cases
GO: CAUTIOUS PROGRESS
New COVID-19 cases high but stable or decreasing >28 days

COVID-19 cases, daily counts and rolling 7-day average, specimen

<table>
<thead>
<tr>
<th>Trend</th>
<th>14-day Incidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decrease 5 days (5/9-5/14)</td>
<td>HIGH (431 avg. daily cases*)</td>
</tr>
<tr>
<td>Stable 7 days (5/14-5/21)</td>
<td></td>
</tr>
<tr>
<td>Decrease 14 days (5/21-6/4)</td>
<td></td>
</tr>
</tbody>
</table>

Daily COVID-19 cases with known specimen report date. *14-day incidence is calculated by summing all new cases in the most recent 14 day period and dividing by 14 days to find an average. Incidence gating rank is determined using 14-day average incidence/100,000 population. The gating rank categories are defined as follows. LOW (1-10); MODERATE (11-50); MODERATELY HIGH (51-99); HIGH (100+).
COVID-19 cases among Black, non-Latinx residents, daily counts and rolling 7-day average, specimen date

Trend
- Decrease 4 days (5/9-5/13)
- Stable 3 days (5/13-5/16)
- Decrease 13 days (5/16-5/29)
- Stable 3 days (5/29-6/1)
- Decrease 3 days (6/1-6/4)

14-day Incidence
- HIGH (69 avg. daily cases*)

Daily COVID-19 cases with known specimen report date and race/ethnicity information.  *14-day incidence is calculated by summing all new cases in the most recent 14 day period and dividing by 14 days to find an average. Incidence gating rank is determined using 14-day average incidence/100,000 population. The gating rank categories are defined as follows. LOW (1-10); MODERATE (11-50); MODERATELY HIGH (51-99); HIGH (100+).
GO: CAUTIOUS PROGRESS
New Latinx cases high but decreasing > 28 days

COVID-19 cases among Latinx residents, daily counts and rolling 7-day average, specimen date

Daily COVID-19 cases with known specimen report date and race/ethnicity information. *14-day incidence is calculated by summing all new cases in the most recent 14 day period and dividing by 14 days to find an average. Incidence gating rank is determined using 14-day average incidence/100,000 population. The gating rank categories are defined as follows. LOW (1-10); MODERATE (11-50); MODERATELY HIGH (51-99); HIGH (100+).
COVID-19 cases among white, non-Latinx residents, daily counts and rolling 7-day average, specimen date

<table>
<thead>
<tr>
<th>Trend</th>
<th>Decrease 26 days (5/9-6/4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-day Incidence</td>
<td>MODERATE (31 avg. daily cases*)</td>
</tr>
</tbody>
</table>

Daily COVID-19 cases with known specimen report date and race/ethnicity information. *14-day incidence is calculated by summing all new cases in the most recent 14 day period and dividing by 14 days to find an average. Incidence gating rank is determined using 14-day average incidence/100,000 population. The gating rank categories are defined as follows. LOW (1-10); MODERATE (11-50); MODERATELY HIGH (51-99); HIGH (100+).
GO: CAUTIOUS PROGRESS
New Asian, non-Latinx cases decreasing 26 days

COVID-19 cases among Asian, non-Latinx residents, daily counts and rolling 7-day average, specimen date

<table>
<thead>
<tr>
<th>Trend</th>
<th>Decrease 26 days (5/9-6/4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-day Incidence</td>
<td>MODERATELY HIGH (7 avg. daily cases*)</td>
</tr>
</tbody>
</table>

Daily COVID-19 cases with known specimen report date and race/ethnicity information. *14-day incidence is calculated by summing all new cases in the most recent 14 day period and dividing by 14 days to find an average. Incidence gating rank is determined using 14-day average incidence/100,000 population. The gating rank categories are defined as follows. LOW (1-10); MODERATE (11-50); MODERATELY HIGH (51-99); HIGH (100+).
COVID-19 Severe Outcomes
GO: CAUTIOUS PROGRESS
Daily COVID-19 hospital admissions decreasing > 28 days

COVID-19 Hospital admissions, daily counts and rolling 7-day average, first known hospital admit date

Hospital Admissions

0 50 100 150 200

Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. 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.
COVID-19 hospital admissions among Black, non-Latinx residents, daily counts and rolling 7-day average, first known hospital admit date

GO: CAUTIOUS PROGRESS
Black, non-Latinx hospital admissions stable/decreasing >28 days

Trend
- Decrease 13 days (5/9-5/22)
- Stable 4 days (5/22-5/26)
- Decrease 5 days (5/26-5/31)
- Stable 4 days (5/31-6/4)

Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. 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.
GO: CAUTIOUS PROGRESS
Latinx hospital admissions stable or decreasing >28 days

COVID-19 hospital admissions among Latinx residents, daily counts and rolling 7-day average, first known hospital admit date

<table>
<thead>
<tr>
<th>Trend</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decrease 11 days</td>
<td>(5/9-5/20)</td>
</tr>
<tr>
<td>Stable 4 days</td>
<td>(5/20-5/24)</td>
</tr>
<tr>
<td>Decrease 11 days</td>
<td>(5/24-6/4)</td>
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Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. 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.
COVID-19 hospital admissions among Asian, non-Latinx residents, daily counts and rolling 7-day average, first known hospital admit date

**Trend**
- Decrease 5 days (5/9-5/14)
- Stable 21 days (5/14-6/4)

Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. 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.
COVID-19 hospital admissions among white, non-Latinx residents, daily counts and rolling 7-day average, first known hospital admit date

CAUTION: PAUSE AND MONITOR

White, non-Latinx hospital admissions decreasing 3 days

Trend
- Decrease 17 days (5/9-5/26)
- Increase 6 days (5/26-6/1)
- Decrease 3 days (6/1-6/4)

Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. 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.
GO: CAUTIOUS PROGRESS
COVID-19 deaths decreasing 26 days

COVID-19 deaths, daily counts and rolling 7-day average, deceased date

Trend Decrease 26 days (5/9-6/4)

Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS.
Emergency Department Visits
ILI: Influenza-like illness. Percentage of all emergency department visits reported with influenza-like illness symptoms among Chicago residents.

Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.
GO: CAUTIOUS PROGRESS
ED visits for COVID-like illness decreasing 26 days

Percentage of all emergency department visits reported with COVID-like symptoms among Chicago residents. Trend analysis only assess the last 27 days.

Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.
Percent Positivity
GO: CAUTIOUS PROGRESS

Percent positivity less than 10% citywide; recent declines in testing

COVID-19 tests, 7-day rolling average for percent positive (one test per individual ever) and for counts (one test per individual per day)

Goal is below 7%

For percent positivity: Every individual tested is counted once. The first positive test is the date used for the test result. If the individual has only negative tests, the date of the first negative test is used. (INEDSS) For 7-day rolling average of counts: All tests performed on Chicago residents as reported by electronic lab reporting (IDPH).
Hospital System Capacity
GO: CAUTIOUS PROGRESS
Non-ICU capacity adequate: <1,000 non-ICU beds occupied by patients with COVID-19

COVID-19 acute/non-ICU beds occupied, daily counts, 7 day average and reopening threshold, daily occupancy census

Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning April 3 (acute non-ICU occupancy). Acute non-ICU bed counts include burn, emergency department, med/surg, other, pediatrics and psychiatry beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.
GO: CAUTIOUS PROGRESS

ICU capacity adequate: <400 ICU beds occupied by patients with COVID-19

COVID-19 ICU beds occupied, daily counts, 7 day average and progress threshold, 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. Beginning 4/24/2020, the definition of ICU status changed as requested by HHS.
GO: CAUTIOUS PROGRESS
Ventilator capacity adequate: <300 patients with COVID-19 on ventilators

COVID-19 ventilators in use, daily counts, 7 day average and reopening threshold, daily utilization census

Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases. Beginning 4/24/2020, ventilator counts include all full-functioning mechanical ventilators, BiPAP, anesthesia machines and portable/transport ventilators.

Goal is below 300
Diagnostic Testing Capacity
CAUTION: PAUSE AND MONITORING

Explained decline in testing <4,500 tests per day

COVID-19 tests, daily count and 7-day moving average, all test results, one test per individual per day

Goal is 4,500 or more tests per day

Trend
3,944 tests per day (6/4)
3 days below target

All COVID-19 tests performed on Chicago residents per day as reported by electronic lab reporting from IDPH. 4,500 tests per day represents the capacity to test 5% of Chicago residents per month.