Protecting Chicago: Metrics Update

June 4, 2020
COVID-19 Cases
CAUTIOUS OPTIMISM

New daily COVID-19 cases still high but decreasing (23 days)

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

Daily COVID-19 cases in Chicago residents using date case reported by laboratory: Illinois National Electronic Disease Surveillance System
CAUTIOUS OPTIMISM
New cases decreasing across all race-ethnicity groups

Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/29/2020 there are 10,771 cases with unknown race/ethnicity out of 44,637 total cases.
COVID-19 cases among Black, non-Latinx residents, daily counts and rolling 7-day average,

Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/29/2020 there are 10,771 cases with unknown race/ethnicity out of 44,637 total cases.
CAUTIOUS OPTIMISM
New Latinx cases high but decreasing (24 days)

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

Stable
May 3 – May 8
-0.3% daily

Decreasing
May 8 – May 26
-2.5% daily

Decreasing
May 26 – May 29
-6.2% daily

Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/29/2020 there are 10,771 cases with unknown race/ethnicity out of 44,637 total cases.
CAUTIOUS OPTIMISM
New White, non-Latinx cases decreasing (33 days)

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

Decreasing May 5 – May 13 -3.3% daily
Decreasing May 13 – May 22 -2.0% daily
Decreasing May 22 – May 29 -5.7% daily

Stable April 25 – May 5 -0.4% daily

Cases

Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/29/2020 there are 10,771 cases with unknown race/ethnicity out of 44,637 total cases.
CAUTIOUS OPTIMISM

New Asian, non-Latinx cases stable or decreasing (34 days)

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

Weekly decreases:
- April 25 – May 6: decrease of 1.0% daily
- May 6 – May 13: decrease of 7.0% daily
- May 13 – May 21: stable at 0.7% daily
- May 21 – May 29: decrease of 4.1% daily

Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/29/2020 there are 10,771 cases with unknown race/ethnicity out of 44,637 total cases.
CAUTIOUS OPTIMISM
Percent positivity now 11.2% and decreasing, with testing high but recent decreases seen

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

Percent positivity declines from 30.4% to 11.2% from April 24 to May 31 2020

On average, 0.5% fewer people are tested positive daily April 24 to May 31 2020

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. (NEDSS) For 7-day rolling average of counts: All tests performed on Chicago residents as reported by electronic lab reporting (IDPH).
COVID-19 Severe Outcomes
CAUTIOUS OPTIMISM
COVID-19 hospital admissions stable or decreasing (22 days)

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

Decrease May 3 – May 7 -2.8% daily
Decrease May 7 – May 13 -5.7% daily
Stable May 13 – May 16 -2.6% daily
Decreasing May 16 – May 21 -5.3% daily
Decreasing May 21 – May 25 -2.7% daily

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. Out of 9,204 total hospital admissions, 193 are missing a hospital admit date. One record with a hospital admit date from January 2020 is excluded from this chart.
CAUTIOUS OPTIMISM
COVID-19 ICU occupancy decreasing (19 days)

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

Includes COVID19 confirmed and suspected cases occupying adult or pediatric ICU beds. Includes all Chicago hospitals. Hospitals report ICU occupancy daily to CDPH via EMResource, beginning March 19.

Includes Chicago and non-Chicago residents.
CAUTIOUS OPTIMISM
COVID-19 deaths decreasing (18 days)

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

- Decreasing May 9 – May 17 -1.9% daily
- Decreasing May 17 – May 27 -4.5% daily

Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS.
Hospital Capacity
CAUTIOUS OPTIMISM
Hospital capacity adequate: <1,800 non-ICU beds occupied by patients with COVID-19

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

Goal is below 1800

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.
CAUTIOUS OPTIMISM

Hospital capacity adequate: <600 ICU beds occupied by patients with COVID-19

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. Note: Beginning 4/24/2020, the definition of ICU status changed as requested by HHS.
CAUTIOUS OPTIMISM

Hospital capacity adequate: <450 patients with COVID-19 on ventilators

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

Goal is below 450

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.
Testing Capacity and Positivity
CAUTIOUS OPTIMISM

Testing capacity high: now conducting 4,722 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 per day

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.
CAUTIOUS OPTIMISM

Percent positivity: 8.8% positive in congregate settings

Congregate settings include skilled nursing facilities (nursing homes); correctional facilities (but not MCC Chicago); and homeless shelters in Chicago. 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.
CAUTIOUS OPTIMISM
Percent positivity decreasing: now 11.4% positive in community settings

COVID-19 tests in community settings, daily count positive and percent positive, 7-day moving average, first positive test (or first negative test if never-positive)

Community settings include all tests in non-congregate settings. 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.
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.
CAUTIOUS OPTIMISM
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.

Decreasing Apr 29–May 25
-1.8% daily