



Protecting Chicago: Metrics Update

May 28, 2020

PROTECTING CHICAGO



I
STRICT STAY-AT-HOME
 Limit the amount of contact with others



Goal is to **limit interactions to rapidly slow the spread of COVID-19**

II
STAY-AT-HOME
 Guard against unsafe interactions with others



Goal is to continue flattening the curve while safely being outside

III
CAUTIOUSLY REOPEN
 Strict physical distancing with some businesses reopening



Goal is to **thoughtfully begin to reopen Chicago safely**

IV
GRADUALLY RESUME
 Continued staggered reopening into a new normal



Goal is to **further reopen Chicago while ensuring the safety of residents**

V
PROTECT
 Continue to protect vulnerable populations



Goal is to **continue to maintain safety until COVID-19 is contained**

WORK* Essential workers go to work; everyone else works from home

- Essential workers go to work; everyone else works from home

- Non-essential workers begin to return to work in a phased way
- Select businesses, non-profits, city entities open with demonstrated, appropriate protections for workers and customers

- Additional business and capacity restrictions are lifted with appropriate safeguards

- All businesses open
- Non-vulnerable individuals can resume working

LIFE • Stay at home and limit going out to essential activities only

- Stay at home as much as possible
- Wear a face covering while outside your home

- When meeting others, physically distance and wear a face covering
- Non-business, social gatherings limited to ≤10 persons
- Phased, limited public amenities begin to open

- Additional public amenities open
- Continue to a wear face covering and physically distance

- Most activities resume with health safety in place
- Some events can resume

HEALTH Physically distance from anyone you do not live with, especially vulnerable friends and family

- Physically distance from anyone you do not live with, especially vulnerable friends and family

- Stay at home if you feel ill or have come into contact with someone with COVID-19
- Continue to physically distance from vulnerable populations
- Get tested if you have symptoms

- Continue to distance and allow vulnerable residents to shelter
- Get tested if you have symptoms or think you have had COVID-19

- Set up screenings and tests at work or with your family
- Sign up for a vaccine on the COVID Coach web portal

CRITERIA FOR TRANSITIONING TO PHASE III



Epidemiologic markers

COVID-19 cases

- a. Declining case incidence and/or declining percent positivity with stable testing¹
- b. Stable or declining rates of cases resulting in hospitalization, ICU admission, and/or death¹
- c. Declining proportion of emergency department visits for influenza-like illness and COVID-like illness¹

Hospital Capacity

- a. Hospital beds (non-ICU): <1800 COVID patients²
- b. ICU beds: <600 COVID patients²
- c. Ventilators: <450 COVID patients²

Testing Capacity

- a. Ability to test at least 5% of Chicago residents per month (perform 4500 tests per day)¹
- b. Percent positivity
Congregate settings: <30% positive tests¹
Community settings: <15% positive tests¹

Response Capacity

Expanded system in place for congregated and community investigations and contact tracing

	I STRICT TAY-AT-HOME	II STAY-AT-HOME	III CAUTIOUSLY REOPEN	IV GRADUALLY RESUME	V PROTECT
		Limited progress	Progress	Advanced progress	
a. Declining case incidence and/or declining percent positivity with stable testing ¹		☆	★		
b. Stable or declining rates of cases resulting in hospitalization, ICU admission, and/or death ¹		☆	★		
c. Declining proportion of emergency department visits for influenza-like illness and COVID-like illness ¹			★		
a. Hospital beds (non-ICU): <1800 COVID patients ²			★		
b. ICU beds: <600 COVID patients ²			★		
c. Ventilators: <450 COVID patients ²			★		
a. Ability to test at least 5% of Chicago residents per month (perform 4500 tests per day) ¹			★		
b. Percent positivity Congregate settings: <30% positive tests ¹ Community settings: <15% positive tests ¹		★			
Expanded system in place for congregated and community investigations and contact tracing		★			

¹ Over 14 days, based on a 7-day rolling average

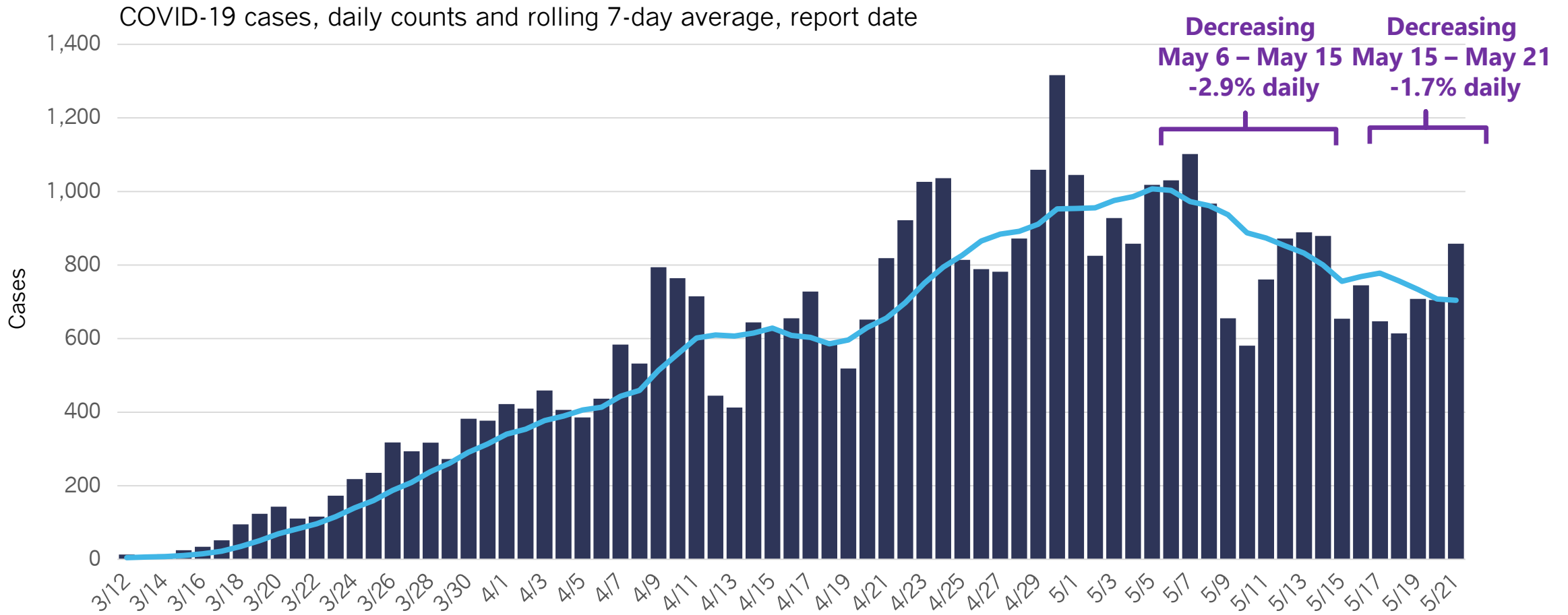
² Total occupancy, across all Chicago hospitals. "COVID patients" includes patients confirmed to have COVID-19 and persons under investigation who have symptoms consistent with COVID-19 with test results pending.



COVID-19 Cases

CAUTIOUS OPTIMISM

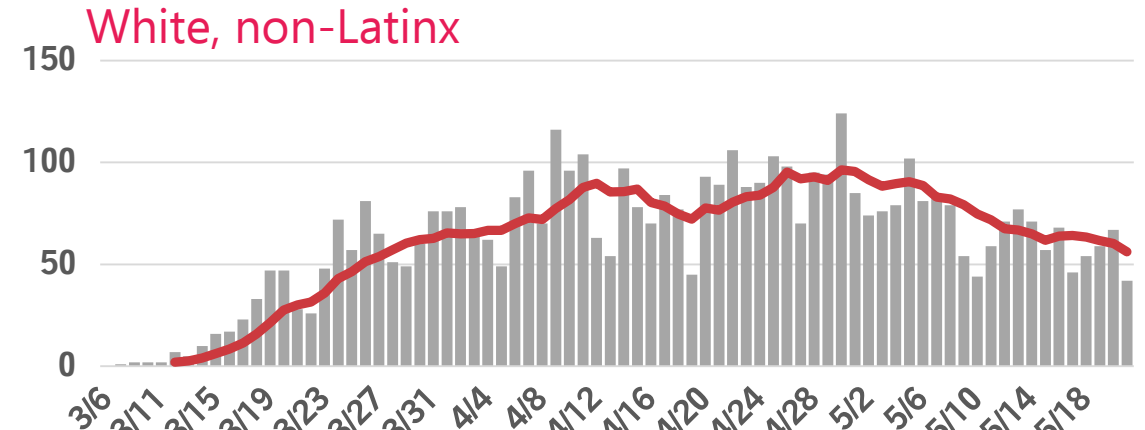
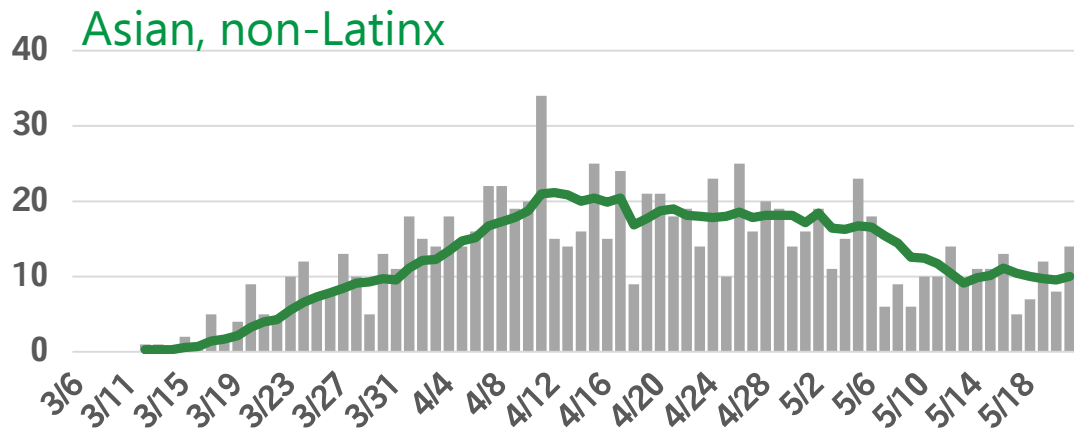
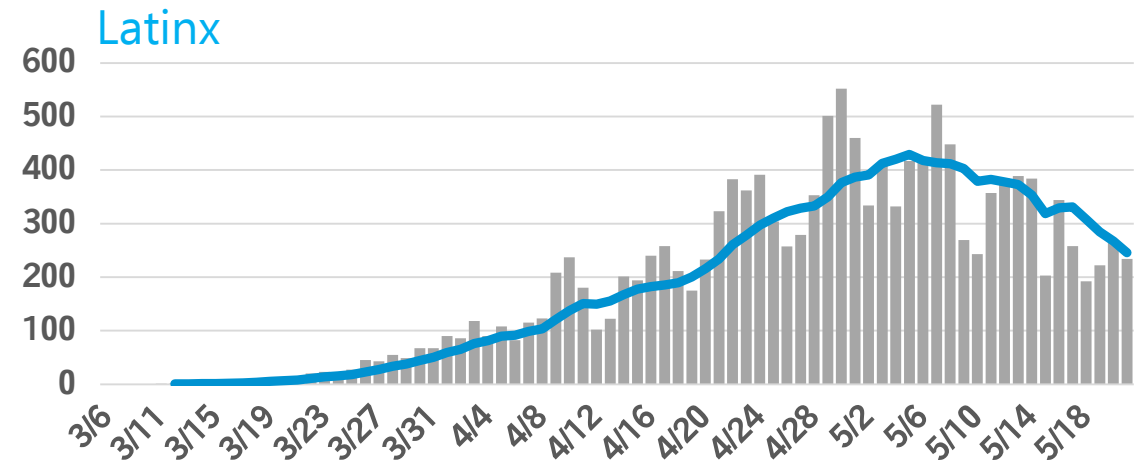
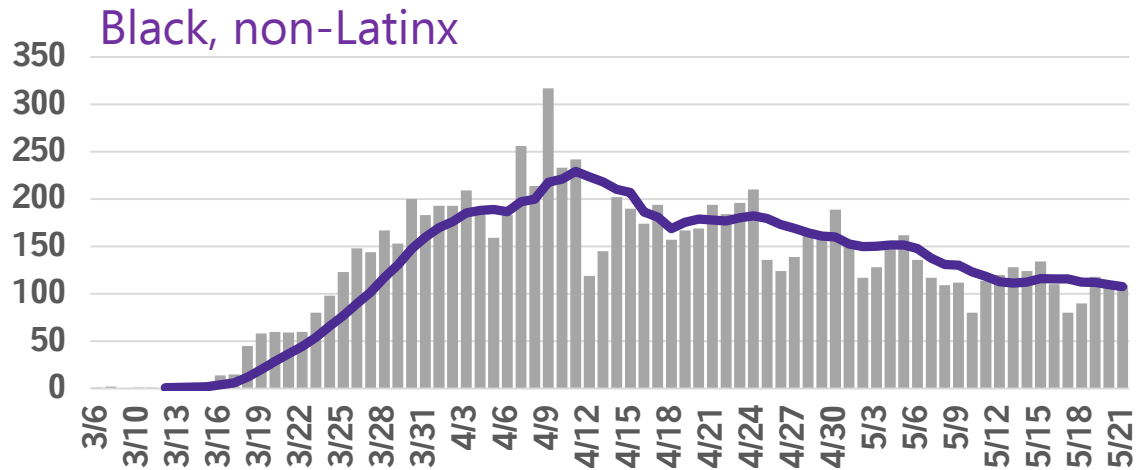
New daily COVID-19 cases still high but decreasing (15 days)



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



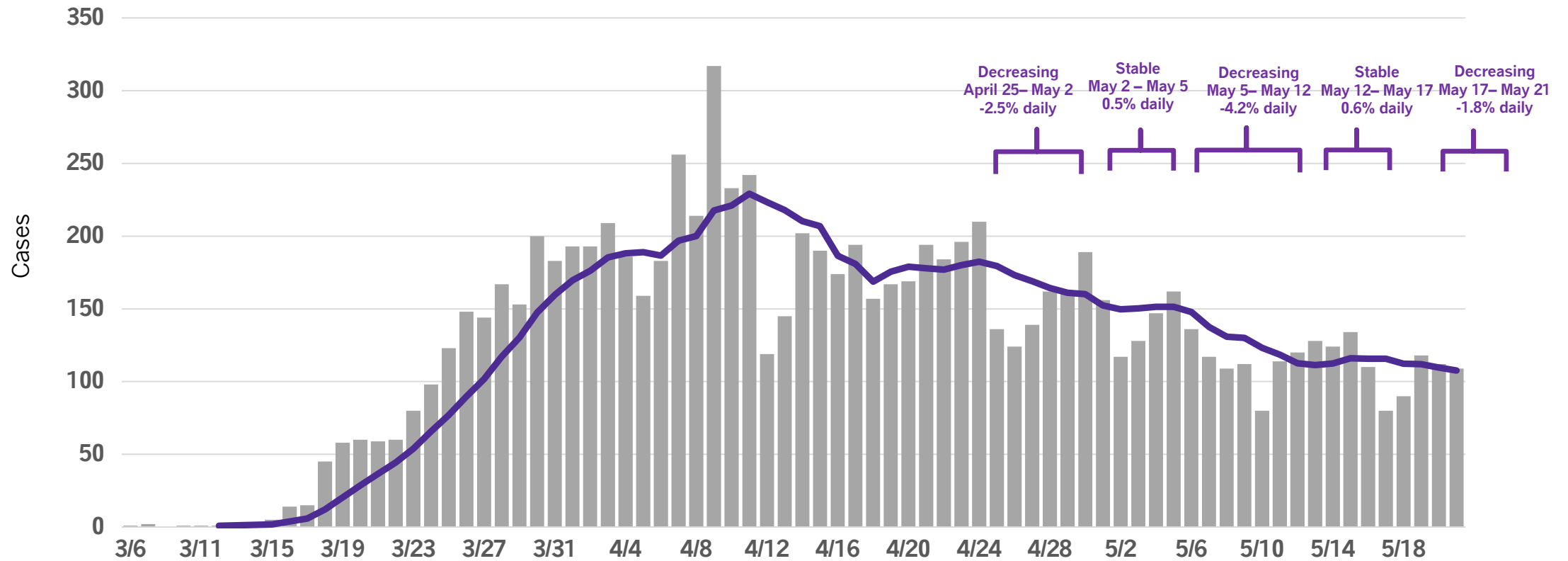
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/21/2020 there are 9,554 cases with unknown race/ethnicity out of 39,756 total cases.

CAUTIOUS OPTIMISM



New Black, non-Latinx cases stable or decreasing (26 days)

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



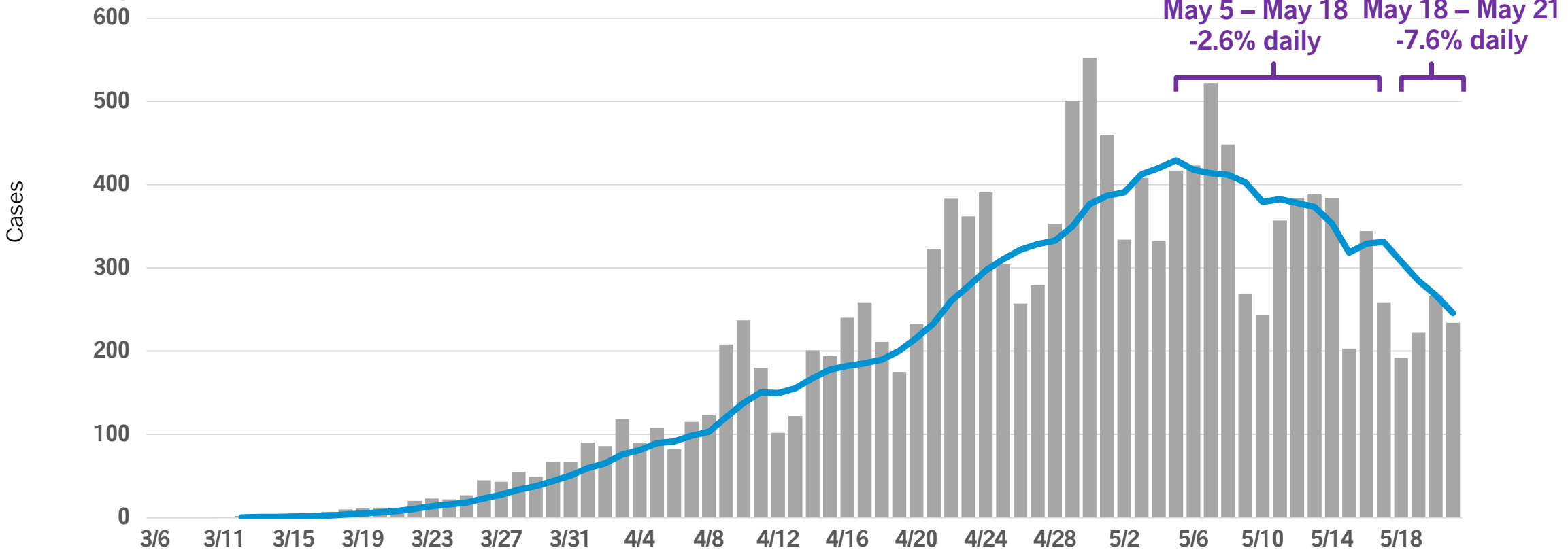
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/21/2020 there are 9,554 cases with unknown race/ethnicity out of 39,756 total cases.



CAUTIOUS OPTIMISM

New Latinx cases high but decreasing (16 days)

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



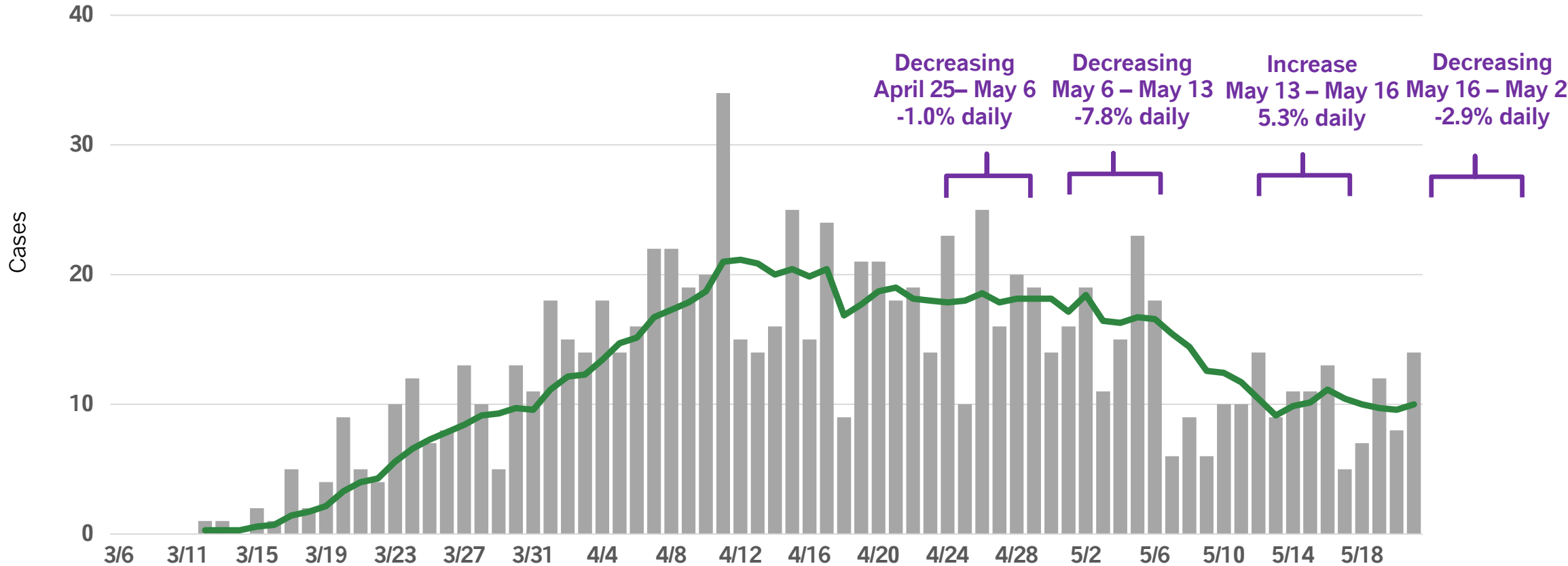
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/21/2020 there are 9,554 cases with unknown race/ethnicity out of 39,756 total cases.



CAUTIOUS OPTIMISM

New Asian, non-Latinx cases decreasing (23 of 26 days)

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

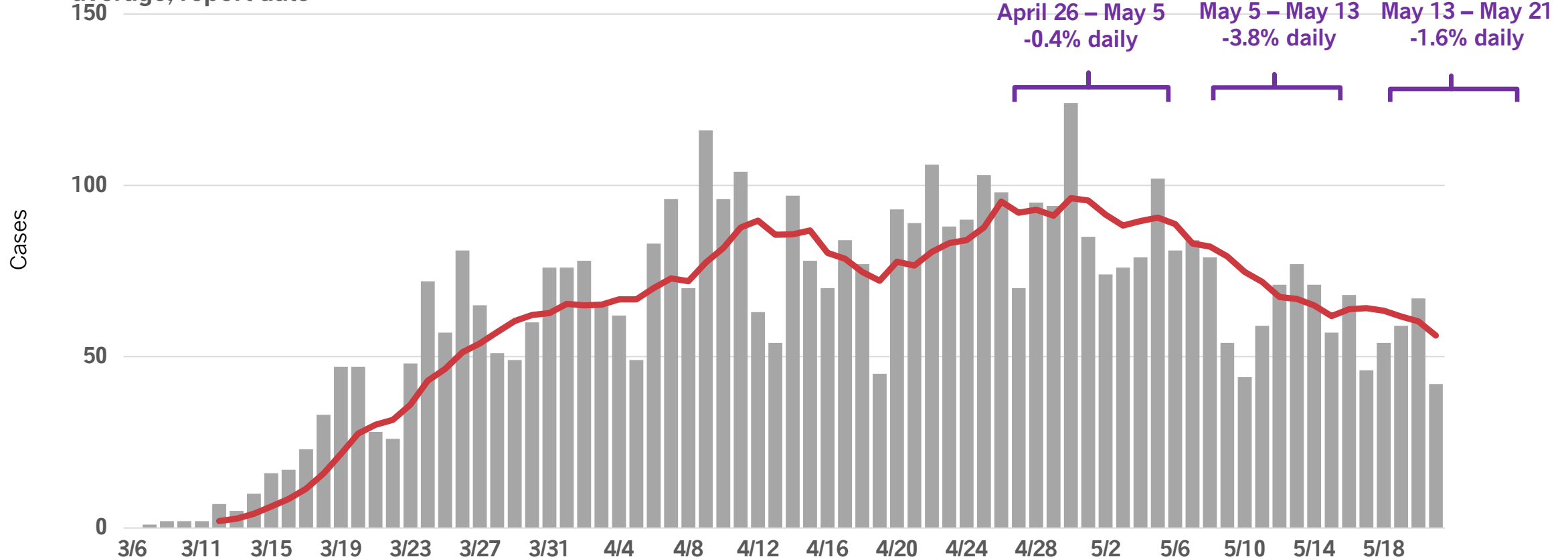


Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/21/2020 there are 9,554 cases with unknown race/ethnicity out of 39,756 total cases.

CAUTIOUS OPTIMISM

New White, non-Latinx cases decreasing (25 days)

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



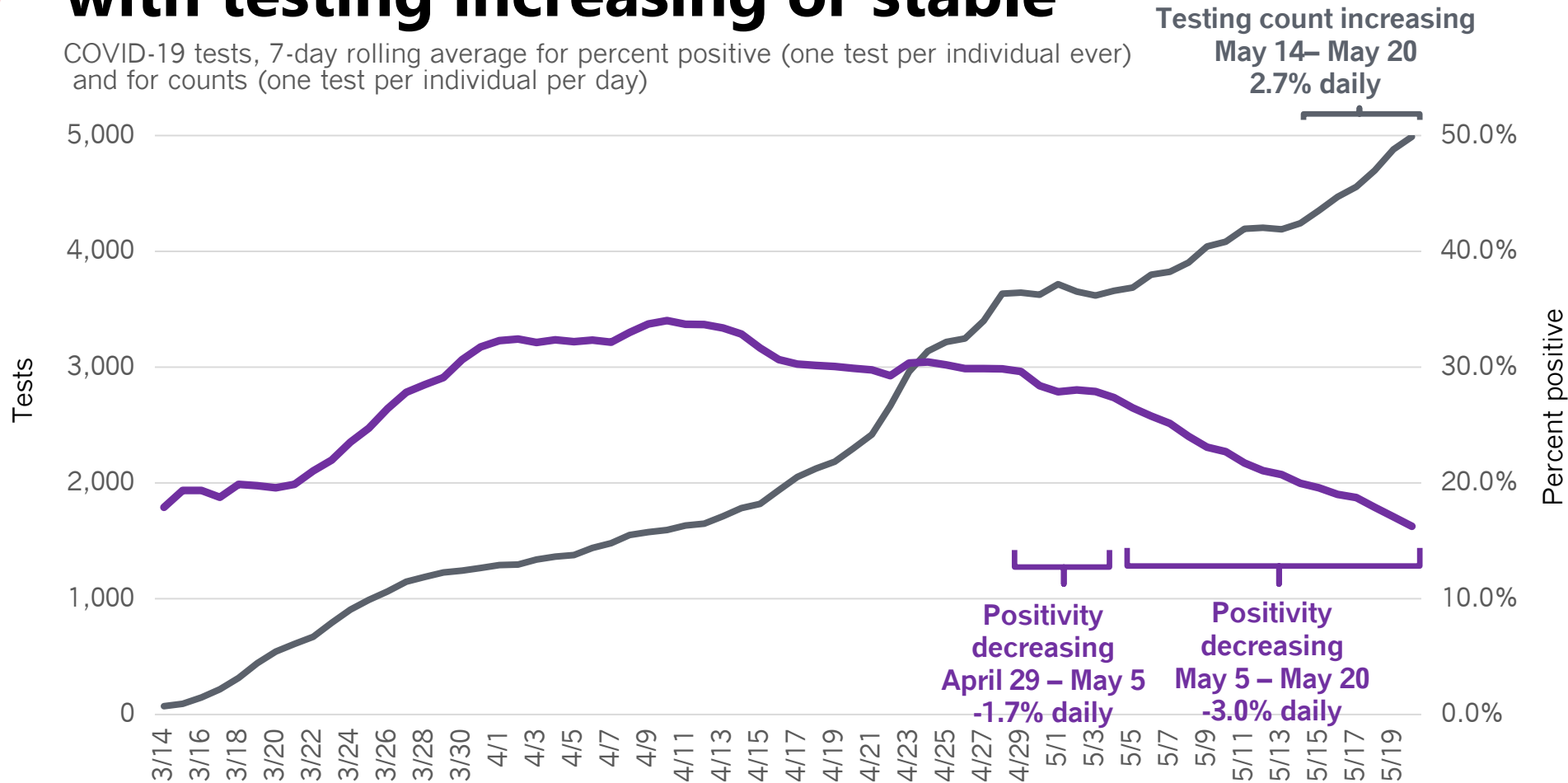
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/21/2020 there are 9,554 cases with unknown race/ethnicity out of 39,756 total cases.

CAUTIOUS OPTIMISM



Percent positivity still high (now 16.2%) but decreasing, with testing increasing or stable

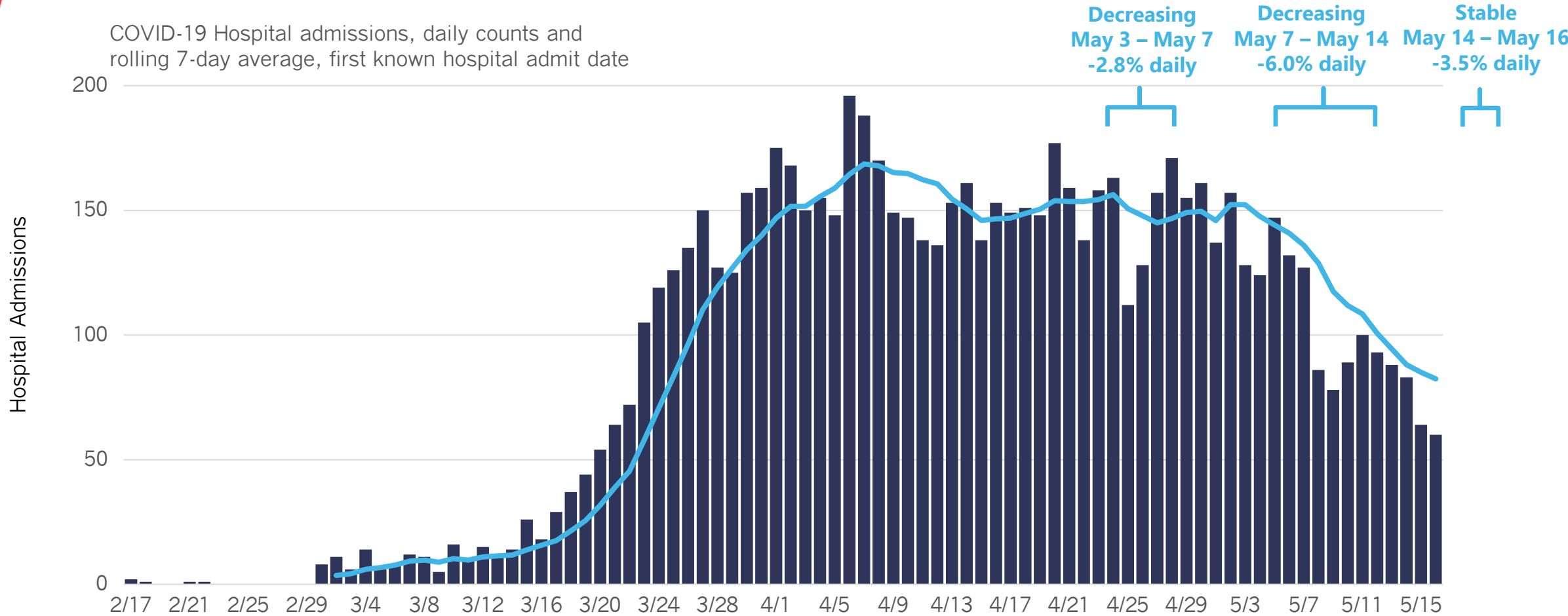
COVID-19 tests, 7-day rolling average for percent positive (one test per individual ever) and for counts (one test per individual per day)



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).

CAUTIOUS OPTIMISM

COVID-19 hospital admissions decreasing (13 days)



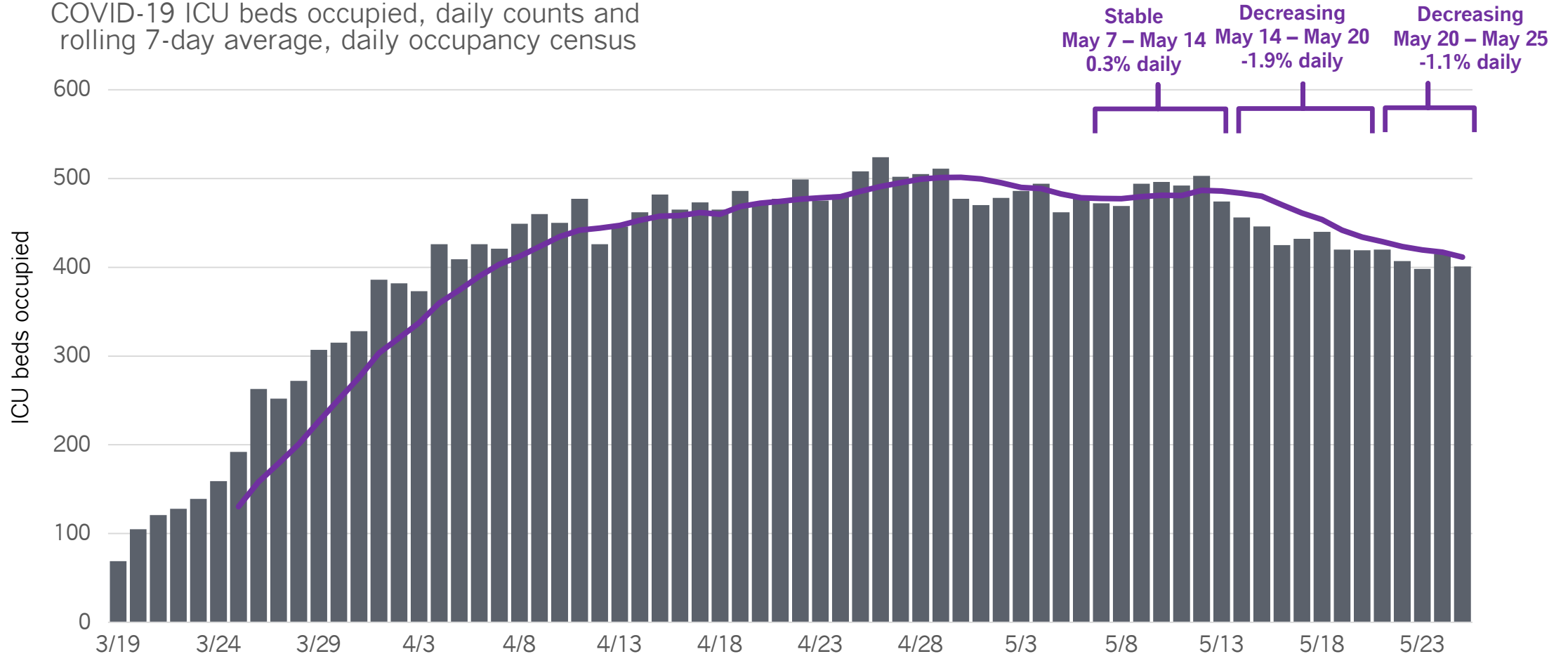
Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. Cases who are not indicated to have been hospitalized across any of the three data sources are assumed to not have been hospitalized. Out of 8,457 total hospital admissions, 121 are missing a hospital admit date. One record with a hospital admit date from January 2020 is excluded from this chart.



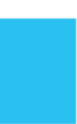
CAUTIOUS OPTIMISM

COVID-19 ICU occupancy stable or decreasing (18 days)

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



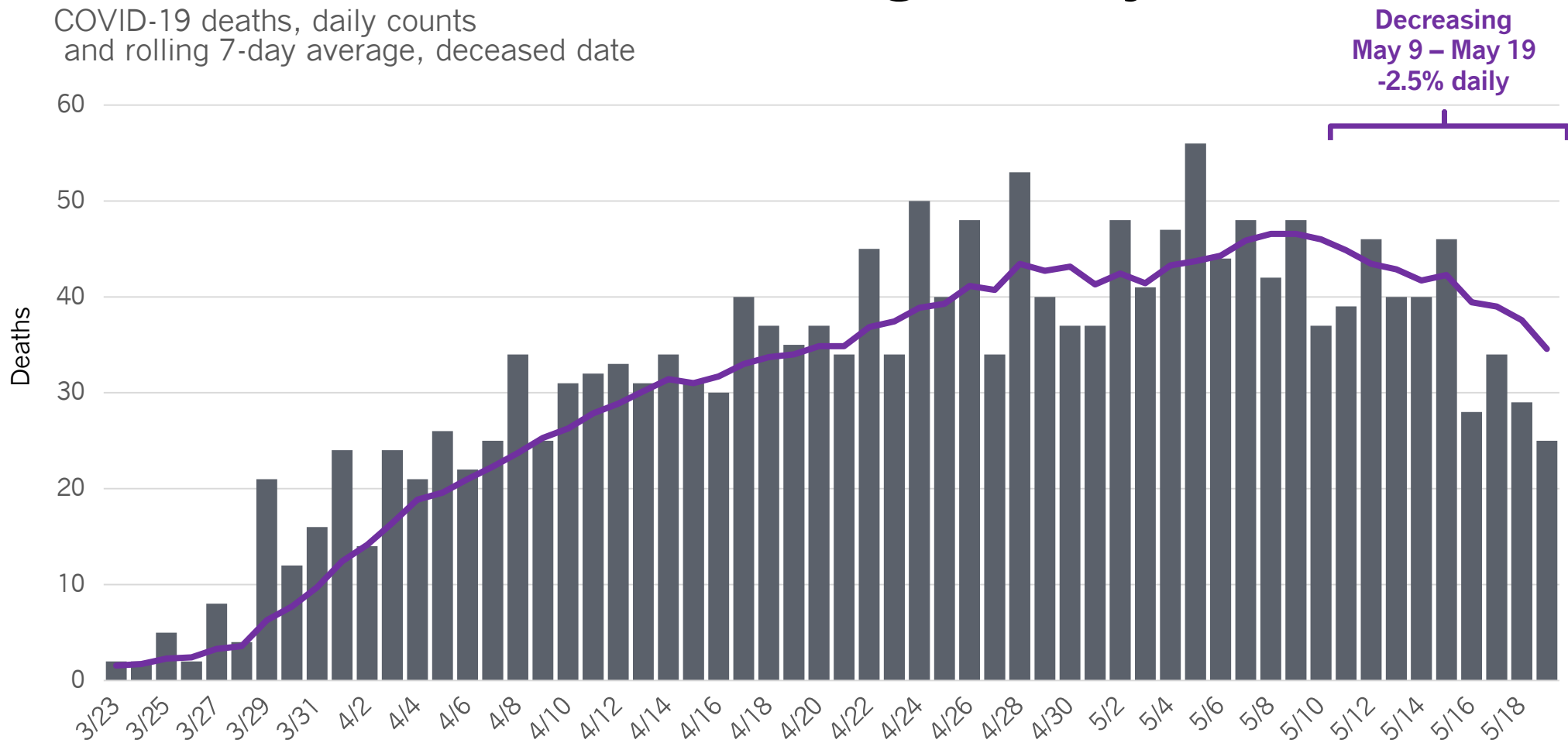
Includes COVID19 confirmed and suspected cases occupying adult or pediatric ICU beds. Includes all Chicago hospitals. Hospitals report ICU occupancy daily to CDPH via EMResource, beginning March 19. Includes Chicago and non-Chicago residents.



CAUTIOUS OPTIMISM

COVID-19 deaths decreasing (10 days)

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

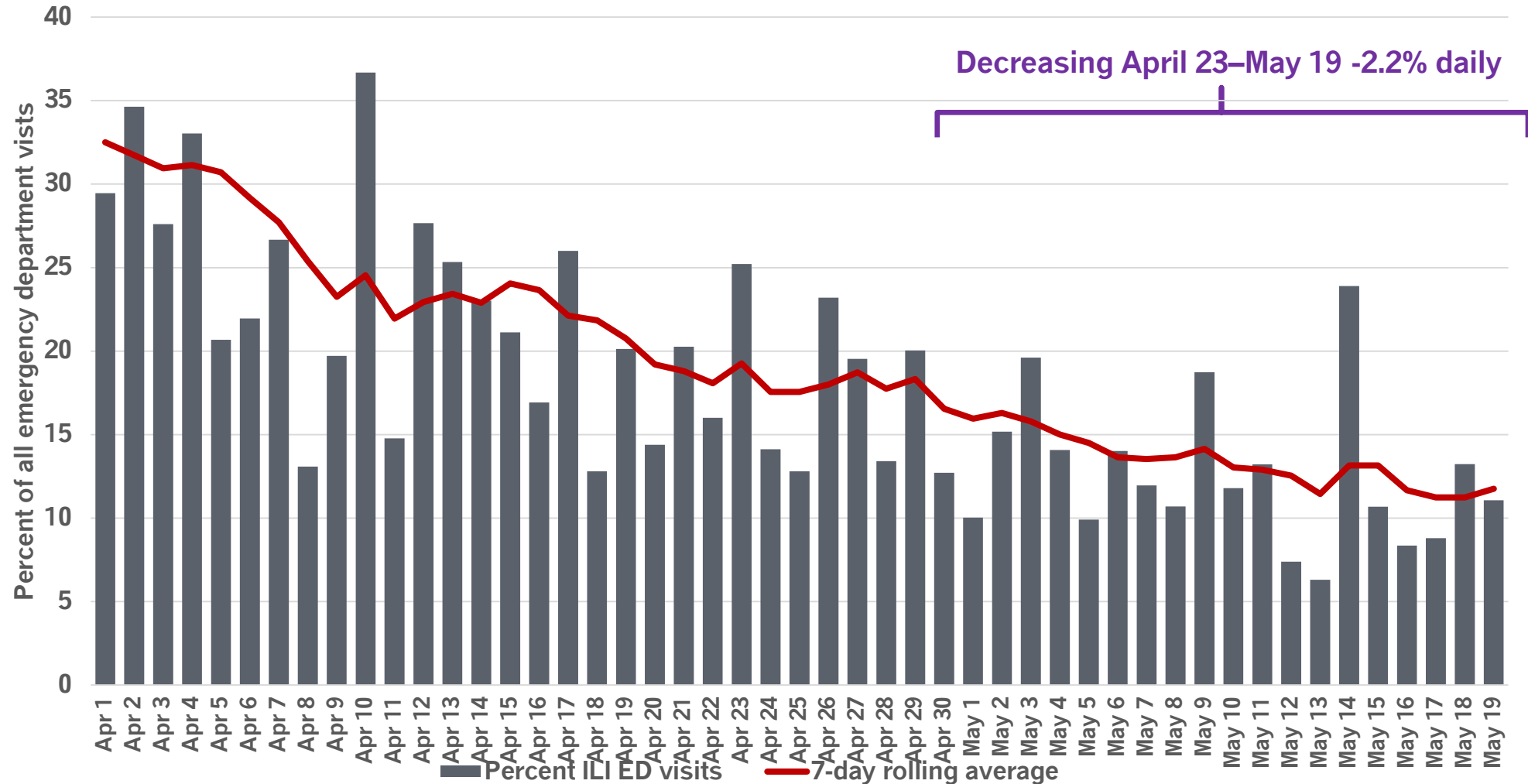


Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS.

CAUTIOUS OPTIMISM



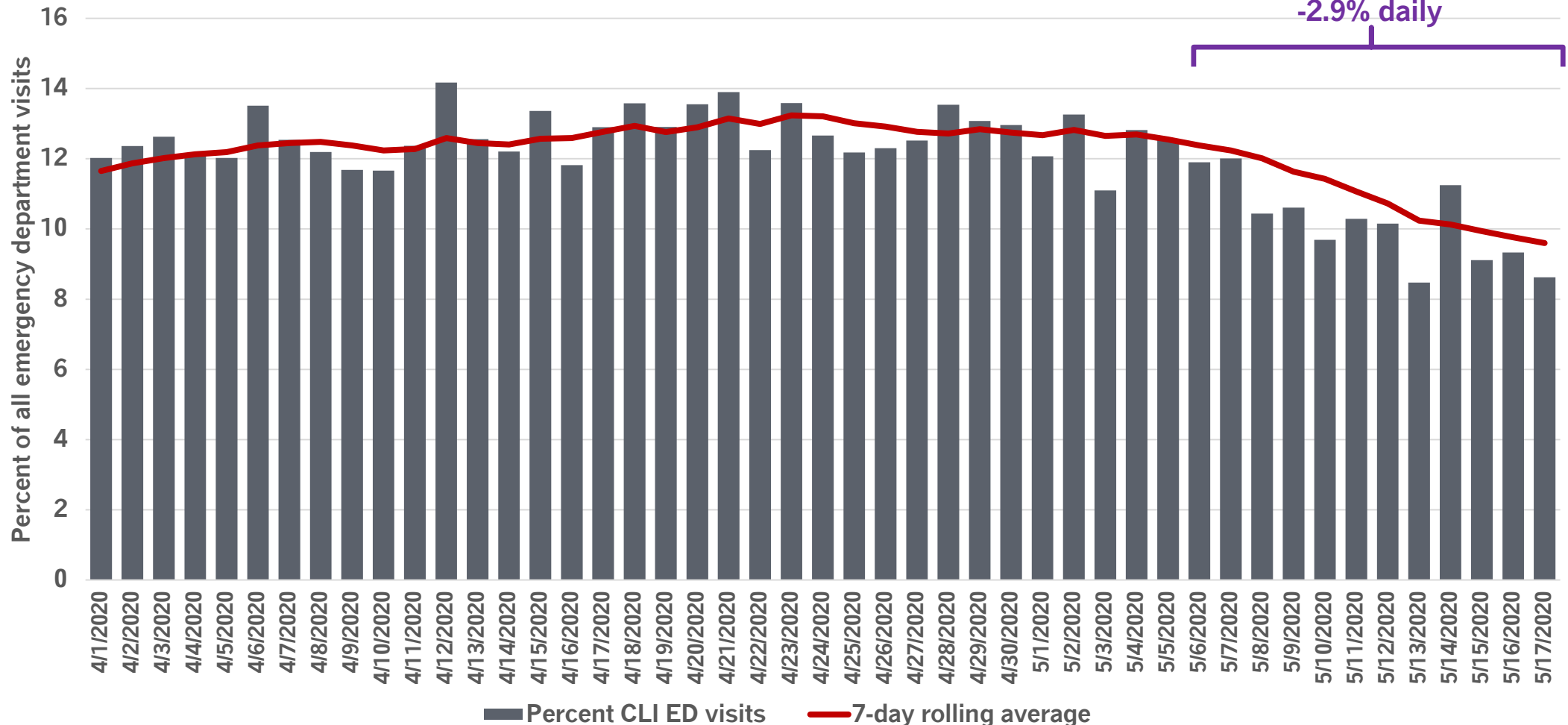
Emergency department visits for influenza-like illness decreasing (27 days)



ILI: Influenza-like illness. Percentage of all emergency department visits reported with influenza-like illness symptoms among Chicago residents. Trend assessments only goes back to 4/23/20.

CAUTIOUS OPTIMISM

Emergency department visits for COVID-like illness decreasing



Percentage 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.



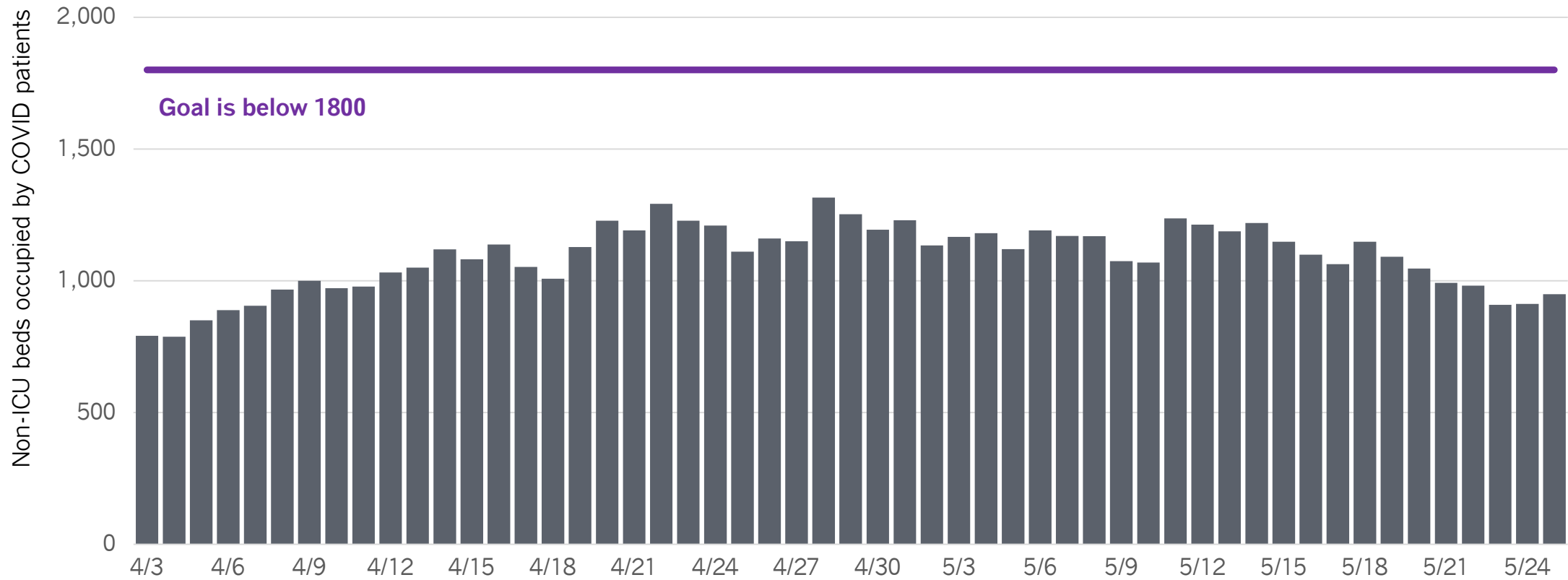
Hospital Capacity

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

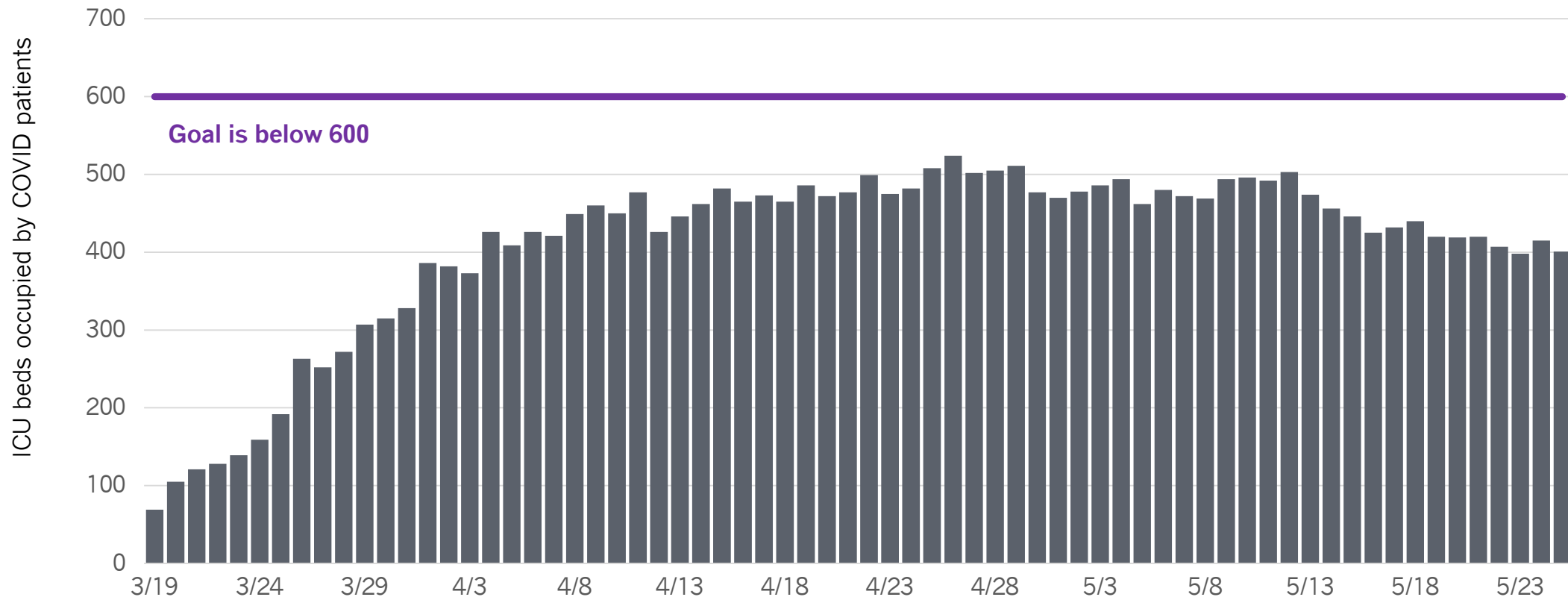


Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning April 3 (acute non-ICU occupancy). Acute non-ICU bed counts include burn, emergency department, med/surg, other, pediatrics and psychiatry beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes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

CAUTIOUS OPTIMISM

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

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



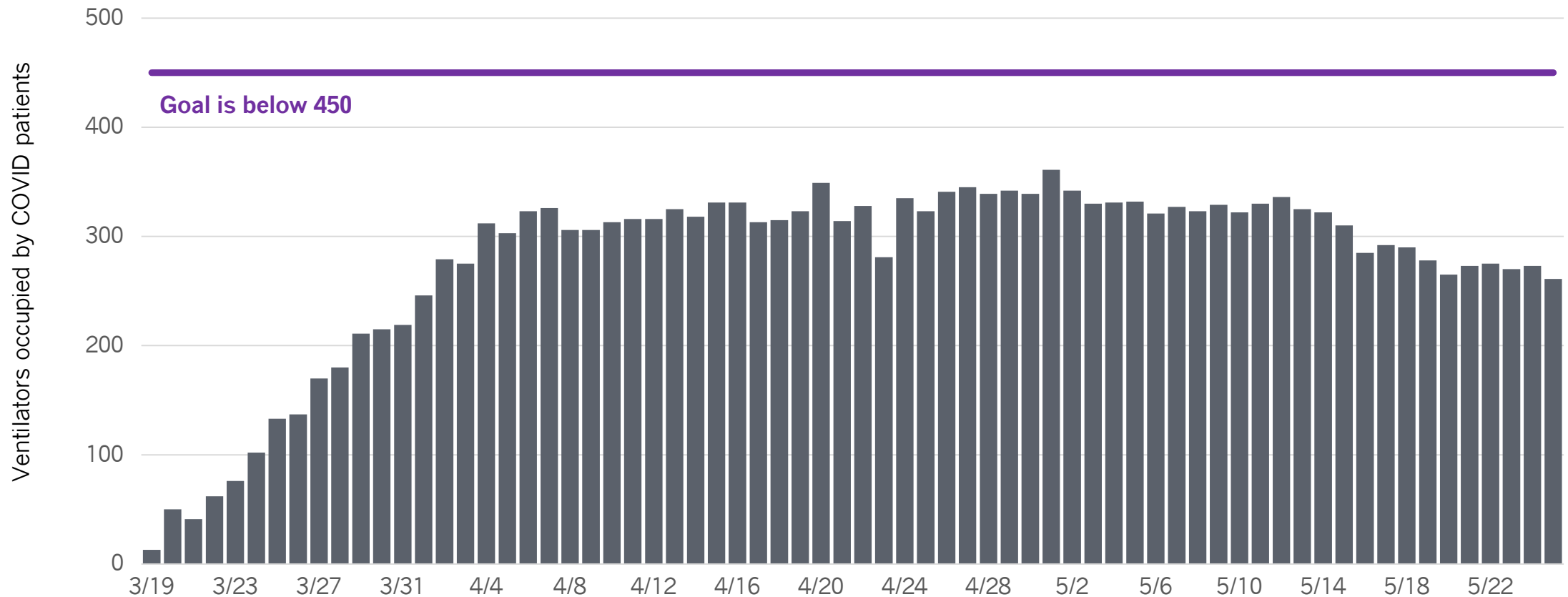
Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases. **Note:** Beginning 4/24/2020, the definition of ICU beds 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



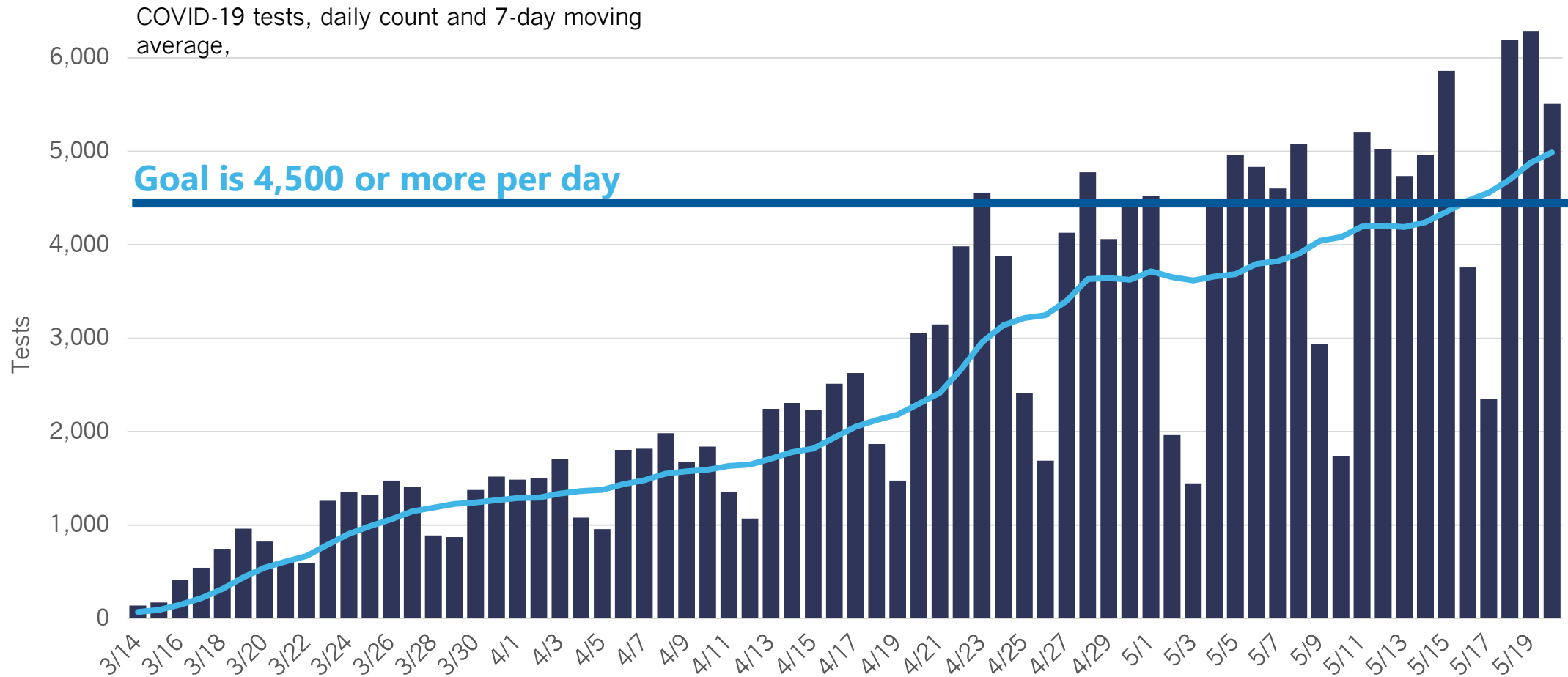
Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases. Beginning 4/24/2020, ventilator counts include all full-functioning mechanical ventilators, BiPAP, anesthesia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



Testing and Response Capacity

CAUTIOUS OPTIMISM

Testing capacity increasing: now conducting 5,303 tests per day

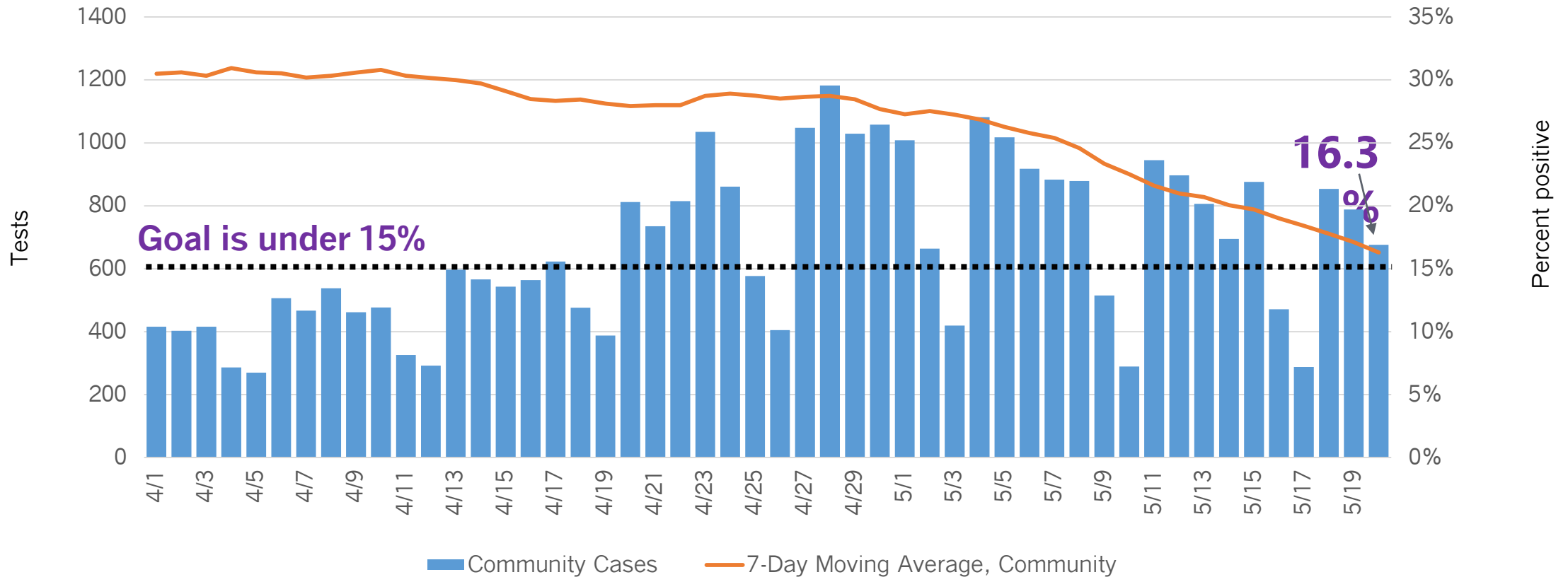


All COVID-19 tests performed on Chicago residents per day as reported by electronic lab reporting from IDPH. 4500 tests per day represents the capacity to test 5% of Chicago residents per month. Graph is through May 20. As of May 27, 7-day average is up to 5,303 tests per day.

CAUTIOUS OPTIMISM

Percent positivity still high but decreasing: now 16.3% positive in community settings

COVID-19 tests, percent positive, 7-day moving average, first positive test (or first negative test if never-positive)

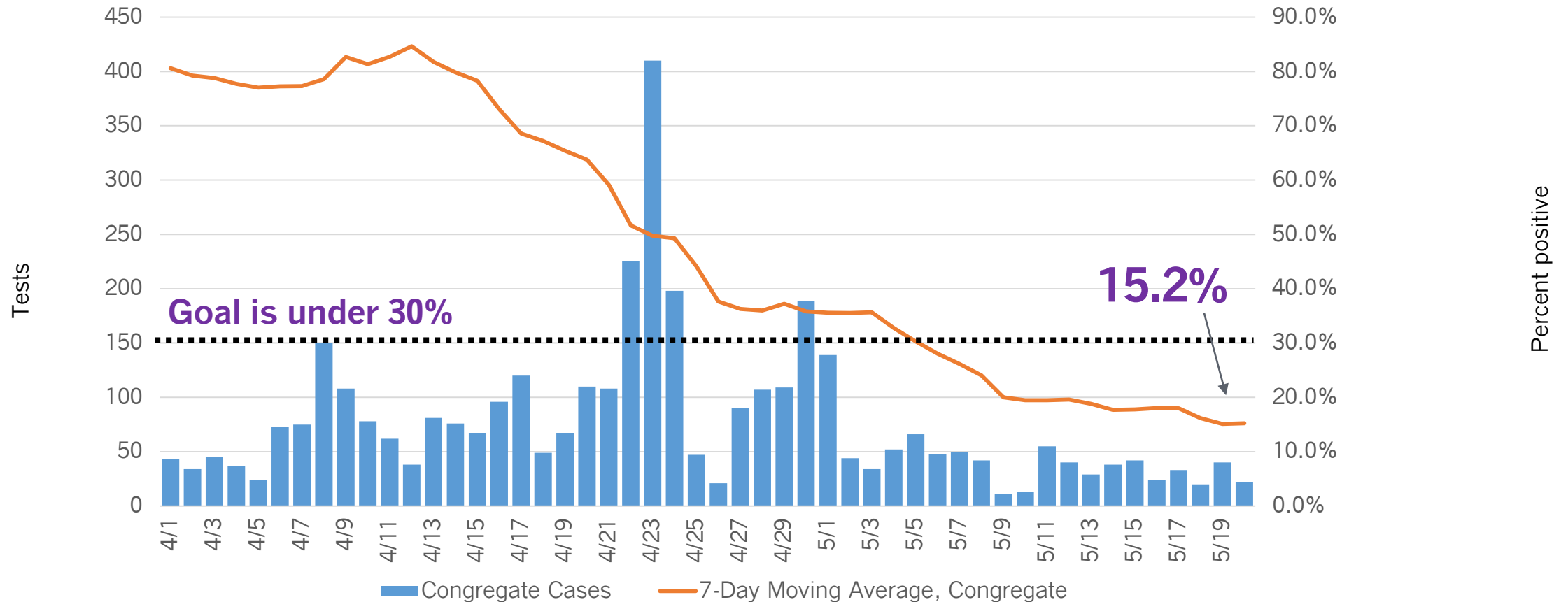


Community settings include all tests in non-congregate settings. Every individual tested is counted once. The first positive test is the date used for the test result. If the individual has only negative tests, the date of the first negative test is used.

CAUTIOUS OPTIMISM

Percent positivity now 15.2% positive in congregate settings

COVID-19 tests, percent positive, 7-day moving average, first positive test (or first negative test if never-positive)



Congregate settings include long-term care facilities (skilled nursing facilities); correctional facilities; and 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

★ Whole city making progress (16.3% community positivity; overall goal 15%)

But more than one in five Chicago zip codes still had greater than 20 percent positivity last week

This remains very high compared to other cities, representing ongoing local transmission risk

COVID-19 Percent Positivity Rate by Chicago Zip Code May 17-23, n=27,234

