



Protecting Chicago: Metrics Update

May 22, 2020

PROTECTING CHICAGO



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

Goal is to **continue flattening the curve** while safely being outside

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

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

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
- 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
- When meeting others, physically distance and wear a face covering
- Additional public amenities open
- Continue to 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 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



	I STRICT STAY-AT-HOME	II STAY-AT-HOME	III CAUTIOUSLY REOPEN	IV GRADUALLY RESUME	V PROTECT
Epidemiologic markers					
COVID-19 cases	a. Declining case incidence and/or declining percent positivity with stable testing ¹	Limited progress Progress Advanced progress 			
	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				
Hospital Capacity	a. Hospital beds (non-ICU): <1800 COVID patients ²				
	b. ICU beds: <600 COVID patients ²				
	c. Ventilators: <450 COVID patients ²				
Testing Capacity	a. Ability to test at least 5% of Chicago residents per month (perform 4500 tests per day)				
	b. Overall percent positivity: ≤20% positive tests ¹				
	Congregate settings: <30% positive tests ¹ Community settings: <15% positive tests ¹				
Response Capacity	Expanded system in place for congregate 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.

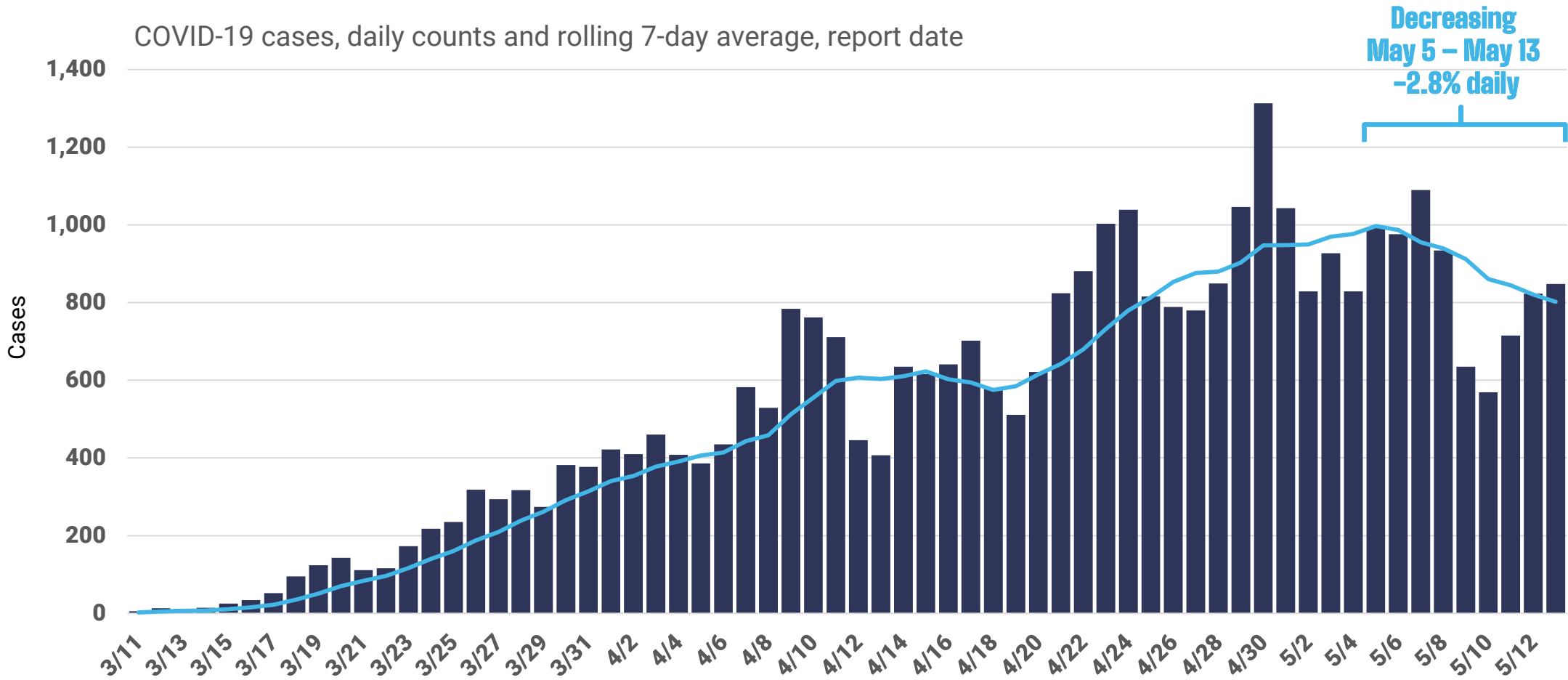


COVID-19 Cases



CAUTIOUS OPTIMISM

New daily COVID-19 cases still high but decreasing (8 days)



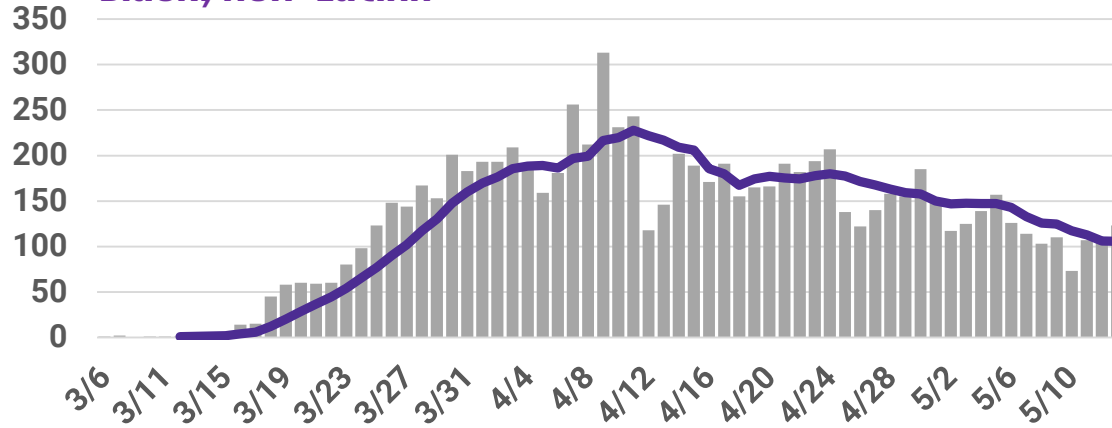
Daily COVID-19 cases in Chicago residents using date case reported by laboratory: Illinois National Electronic Disease Surveillance System

CAUTIOUS OPTIMISM

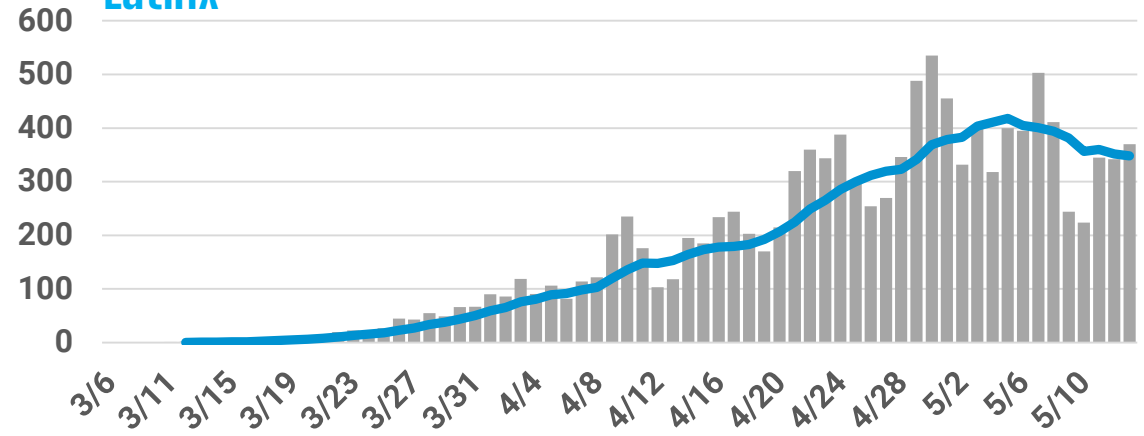


New cases now decreasing across all race-ethnicity groups

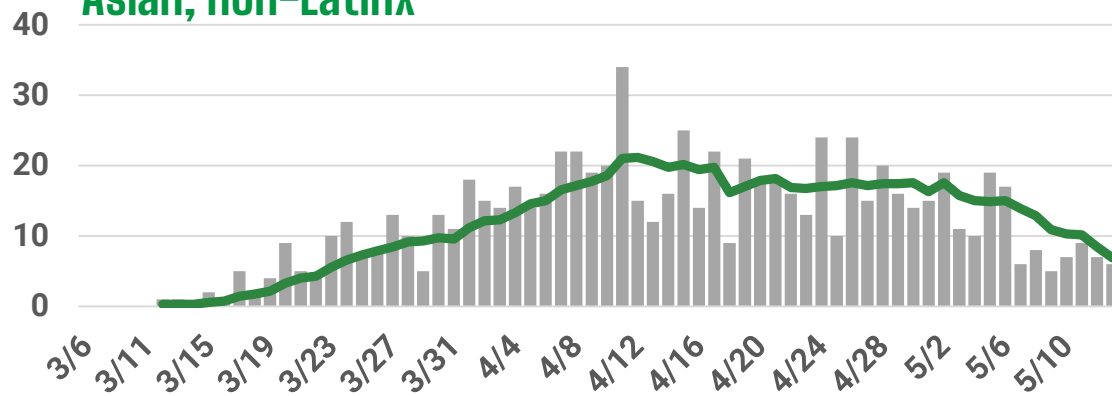
Black, non-Latinx



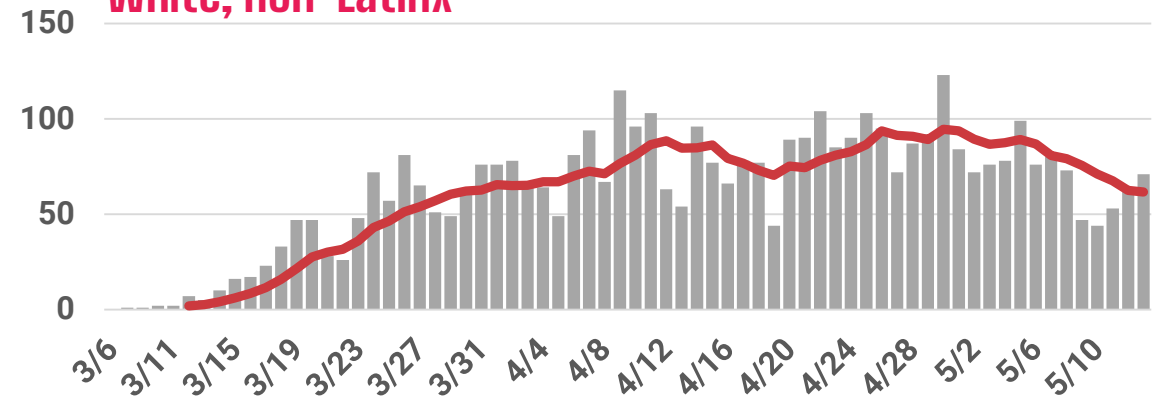
Latinx



Asian, non-Latinx



White, non-Latinx

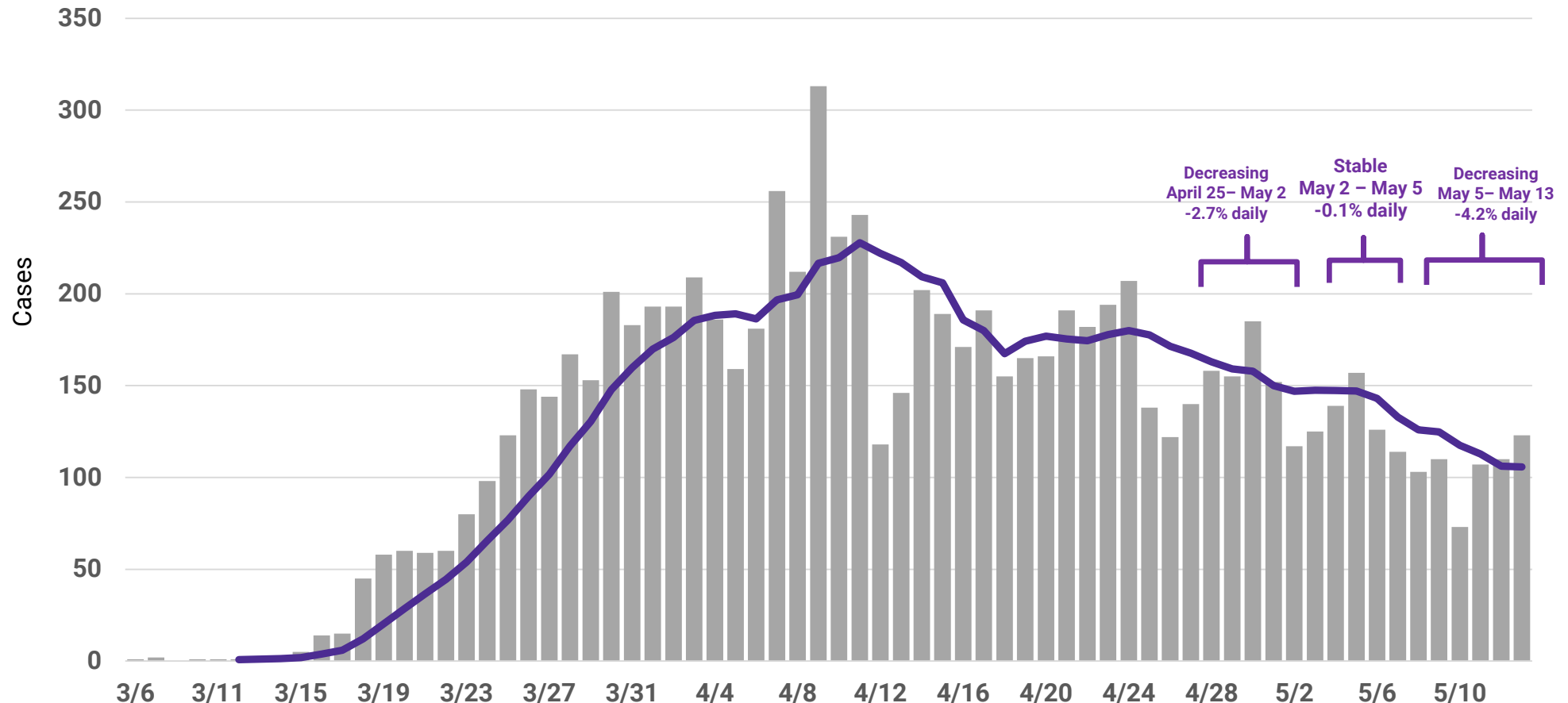


Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. As of 05/13/2020 there are 8,820 cases with unknown race/ethnicity out of 33,120 total cases.

CAUTIOUS OPTIMISM

New Black, non-Latinx cases stable or decreasing (19 days)

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



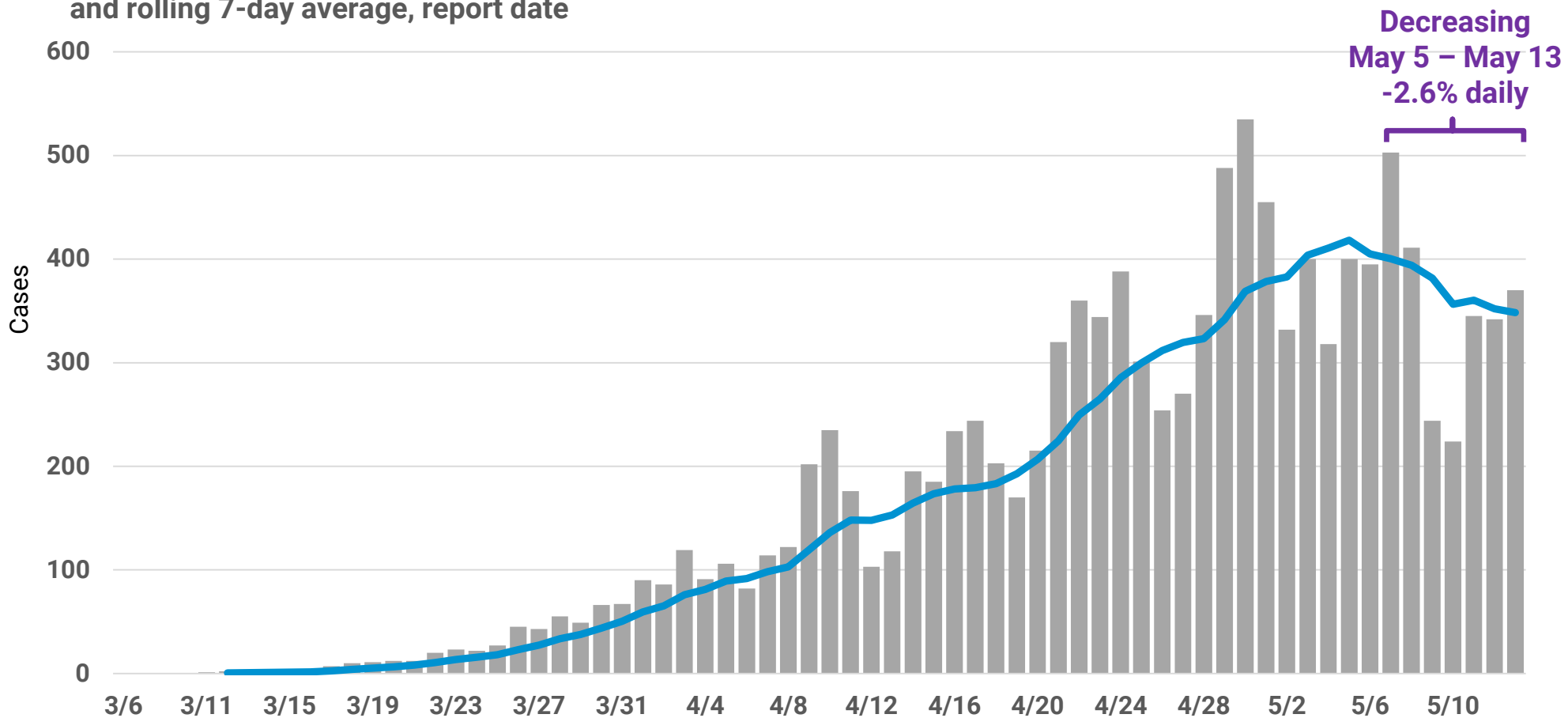
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. **As of 05/13/2020 there are 8,820 cases with unknown race/ethnicity out of 33,120 total cases.**



CAUTIOUS OPTIMISM

New Latinx cases high but decreasing (8 days)

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



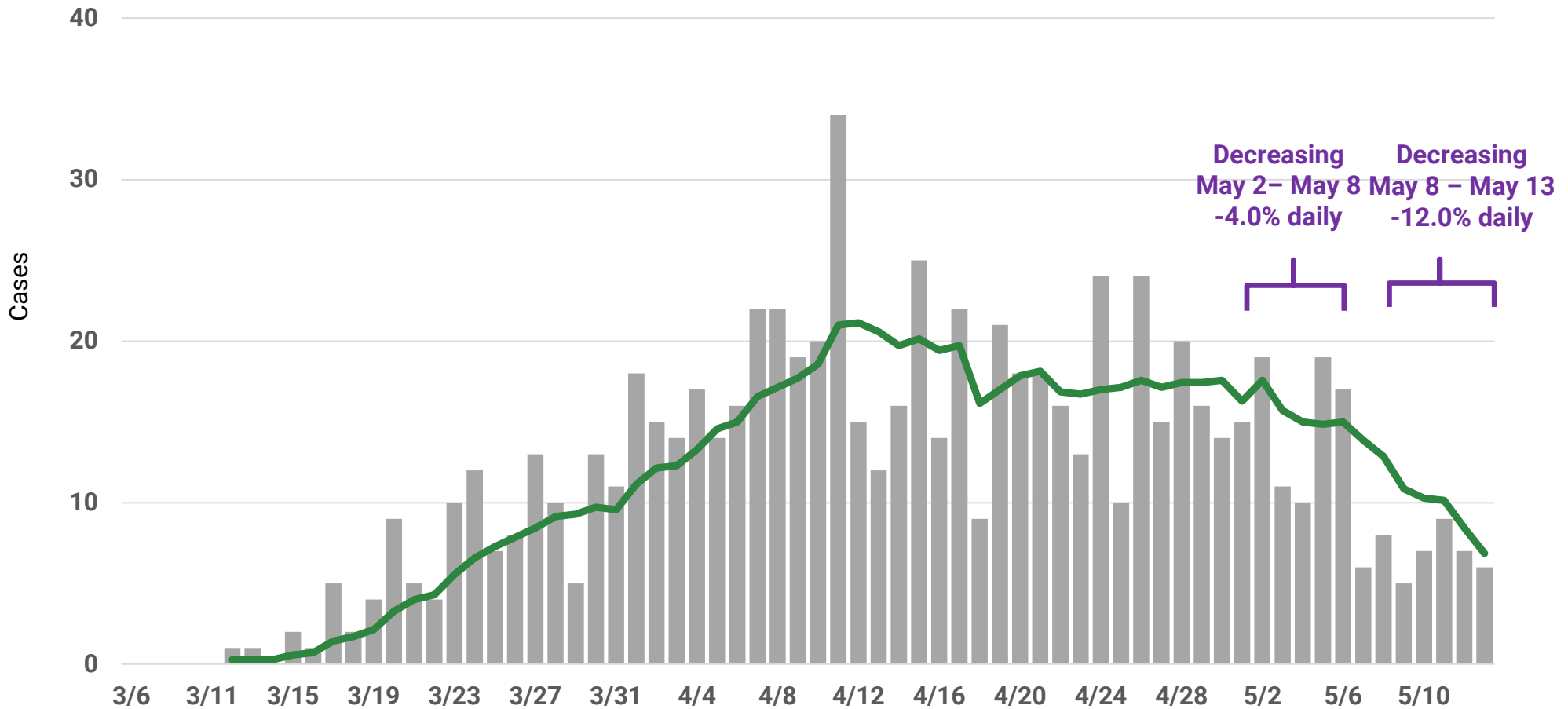
Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. **As of 05/13/2020 there are 8,820 cases with unknown race/ethnicity out of 33,120 total cases.**



CAUTIOUS OPTIMISM

New Asian, non-Latinx cases decreasing (11 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 05/13/2020 there are 8,820 cases with unknown race/ethnicity out of 33,120 total cases.**

CAUTIOUS OPTIMISM

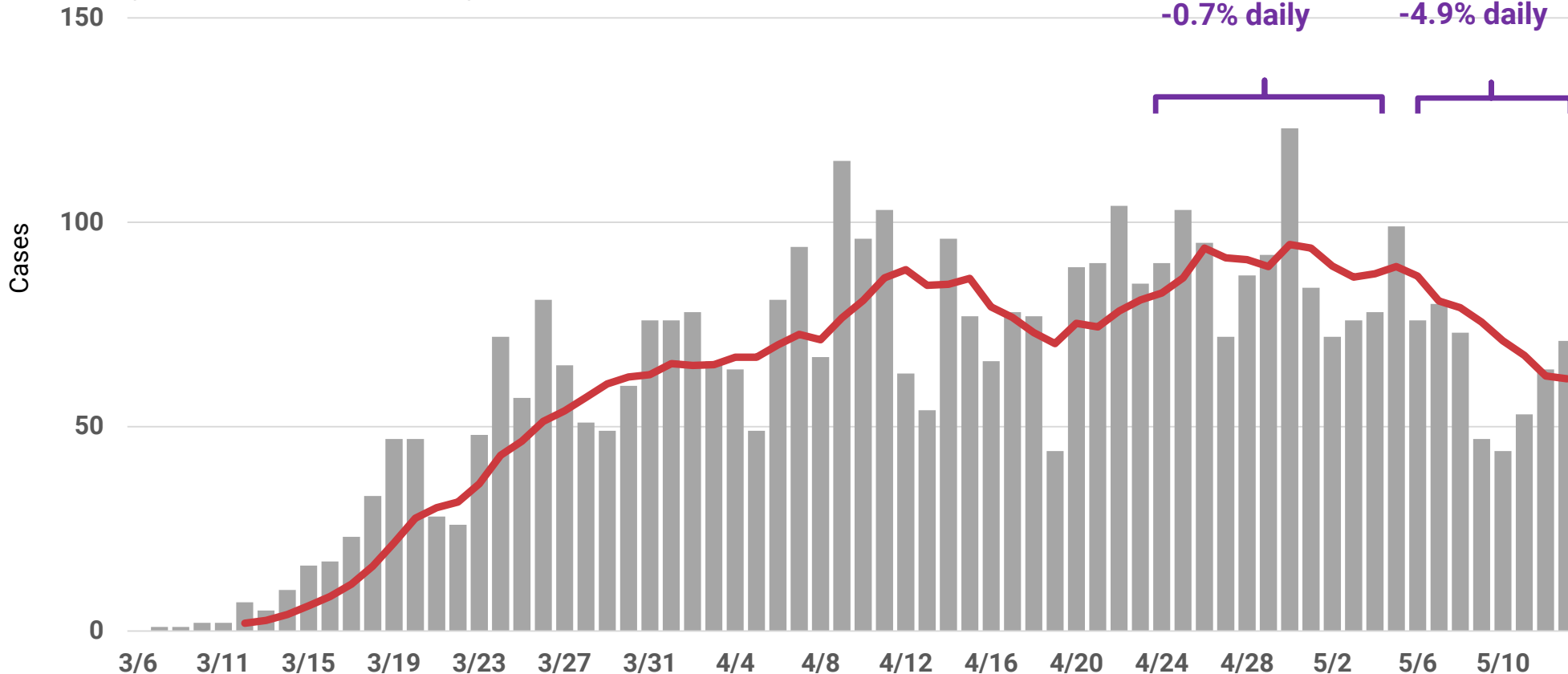


New White, non-Latinx cases decreasing (17 days)

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

Decreasing April 26 – May 6
-0.7% daily

Decreasing May 6 – May 13
-4.9% daily

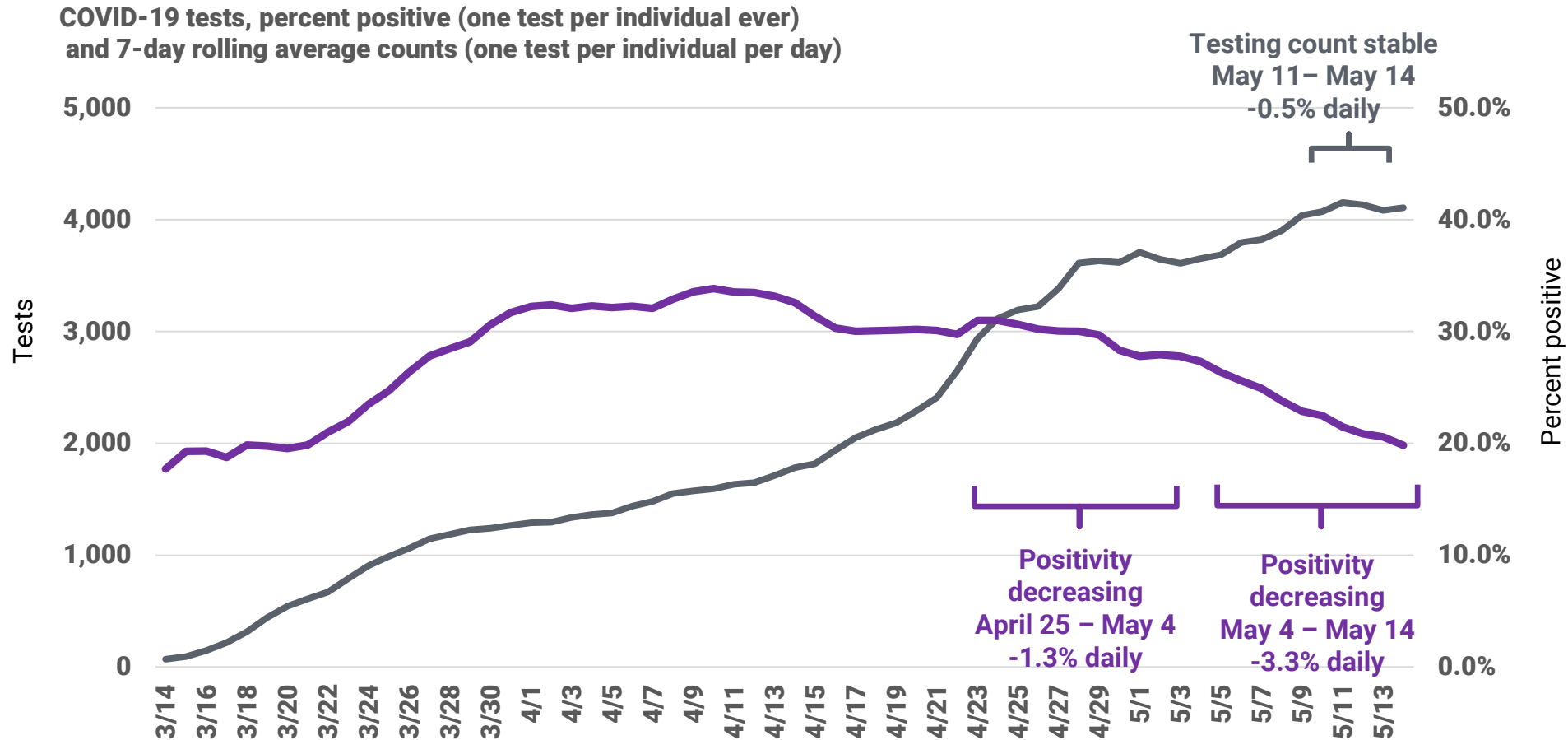


Daily coronavirus 2019 (COVID-19) cases reported for Chicago residents with known laboratory report date. Note, there was one case of COVID-19 reported in January 2020 that is not included in the daily counts. **As of 05/13/2020 there are 8,820 cases with unknown race/ethnicity out of 33,120 total cases.**

CAUTIOUS OPTIMISM



Percent positivity still high (now 19.4%) but decreasing, with testing increasing or stable



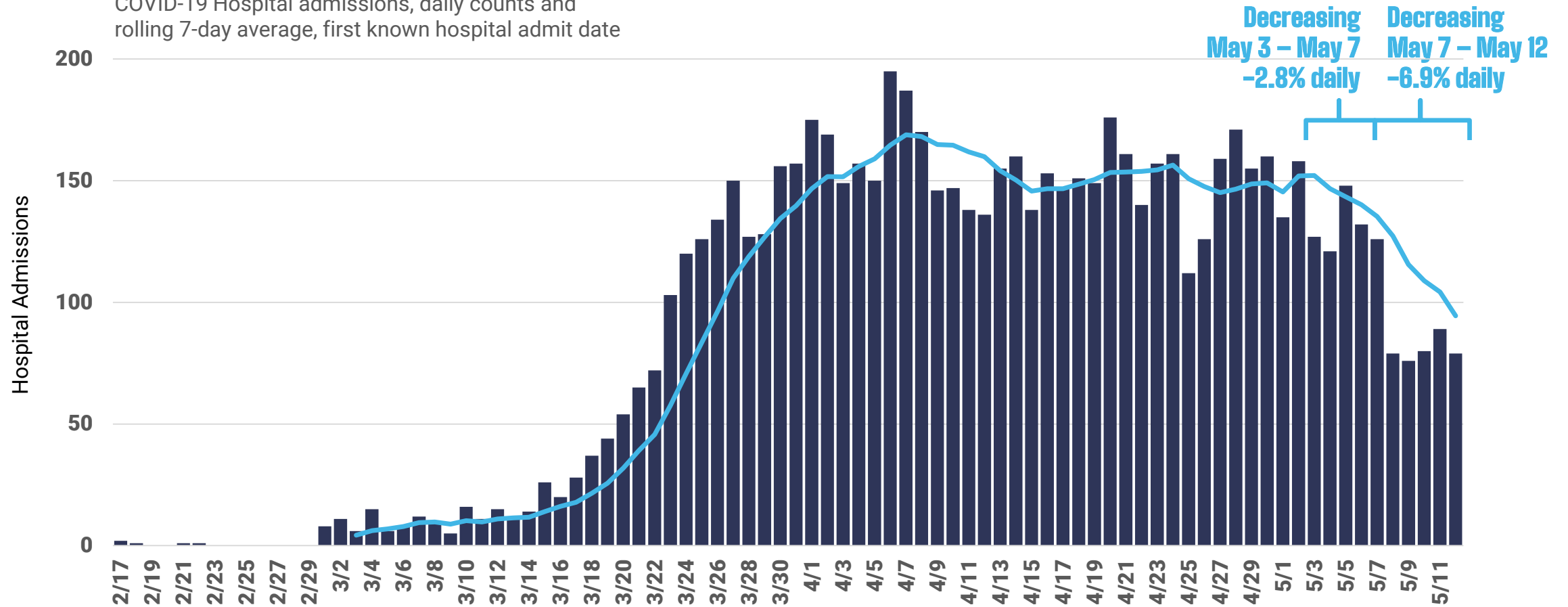
For percent positivity: Every individual tested is counted once. The first positive test is the date used for the test result. If the individual has only negative tests, the date of the first negative test is used. (INEDSS) For 7-day rolling average of counts: All tests performed on Chicago residents as reported by electronic lab reporting (IDPH).



CAUTIOUS OPTIMISM

COVID-19 hospital admissions decreasing (9 days)

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



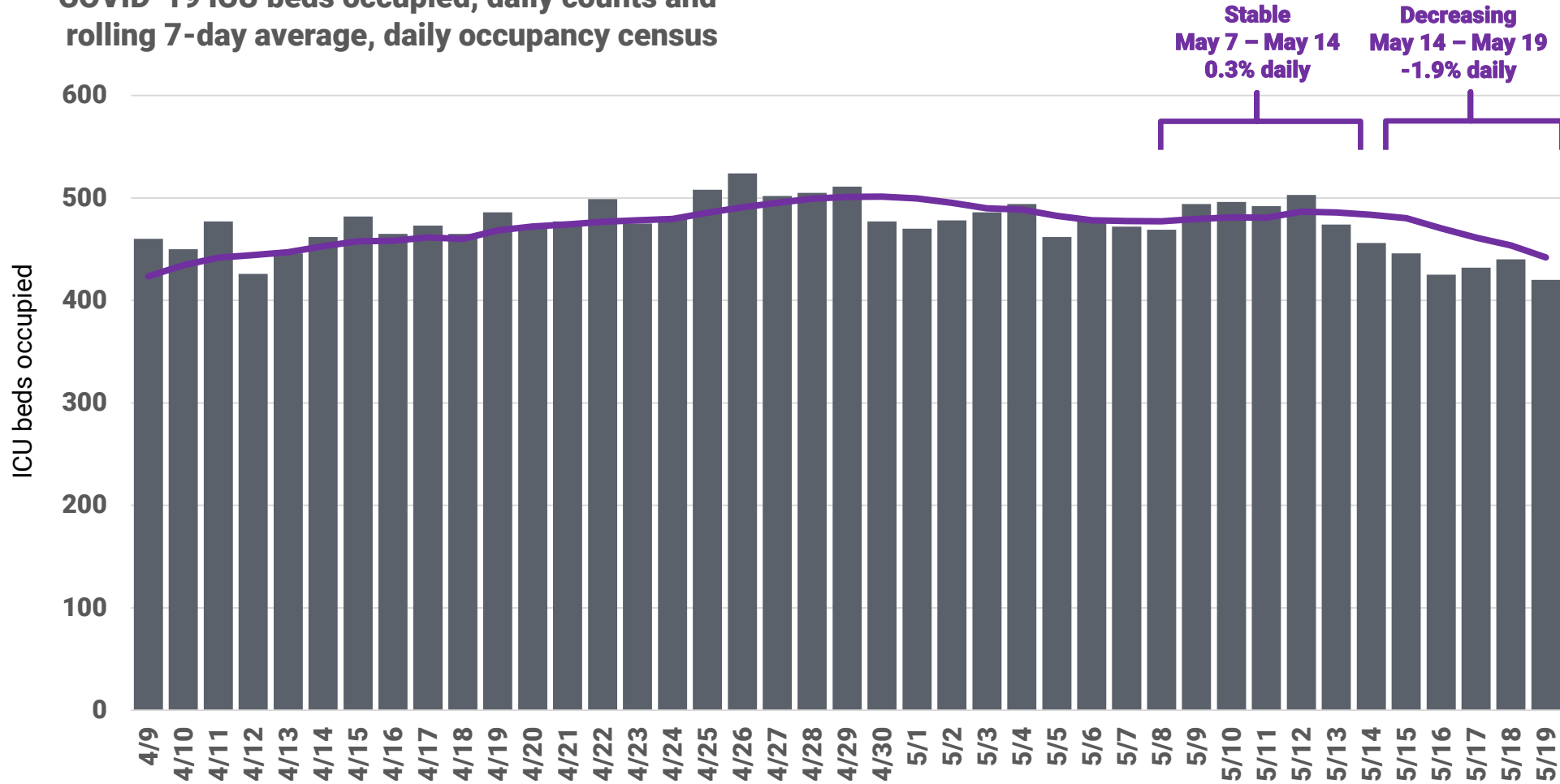
Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. Cases who are not indicated to have been hospitalized across any of the three data sources are assumed to not have been hospitalized. Out of 8,108 total hospital admissions, 94 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 (12 days)

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



Includes COVID19 cases and PUIs 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.

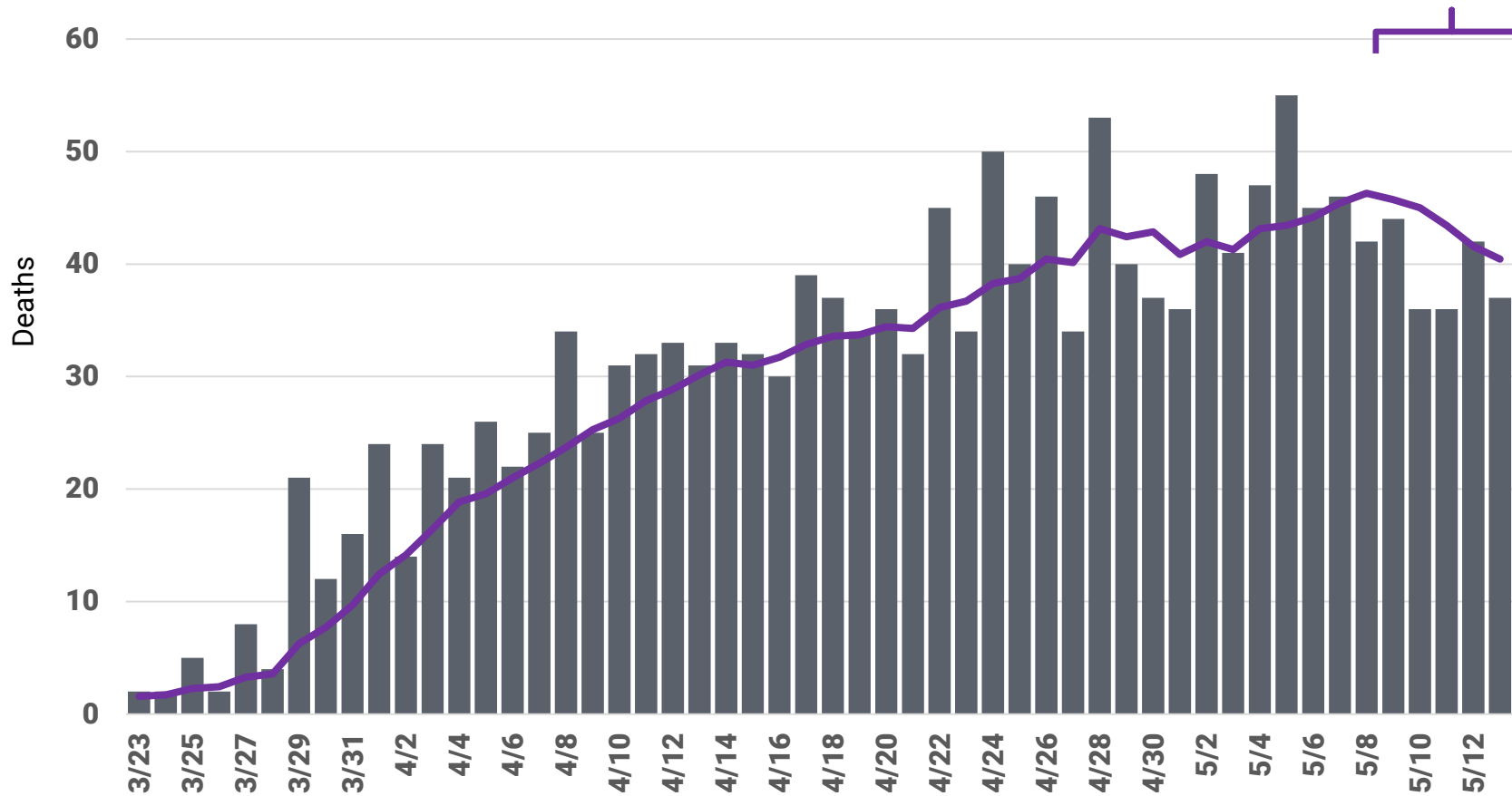


CAUTIOUS OPTIMISM

COVID-19 deaths stable and may be decreasing (4 days)

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

Decreasing
May 9 – May 13
-3.6% daily

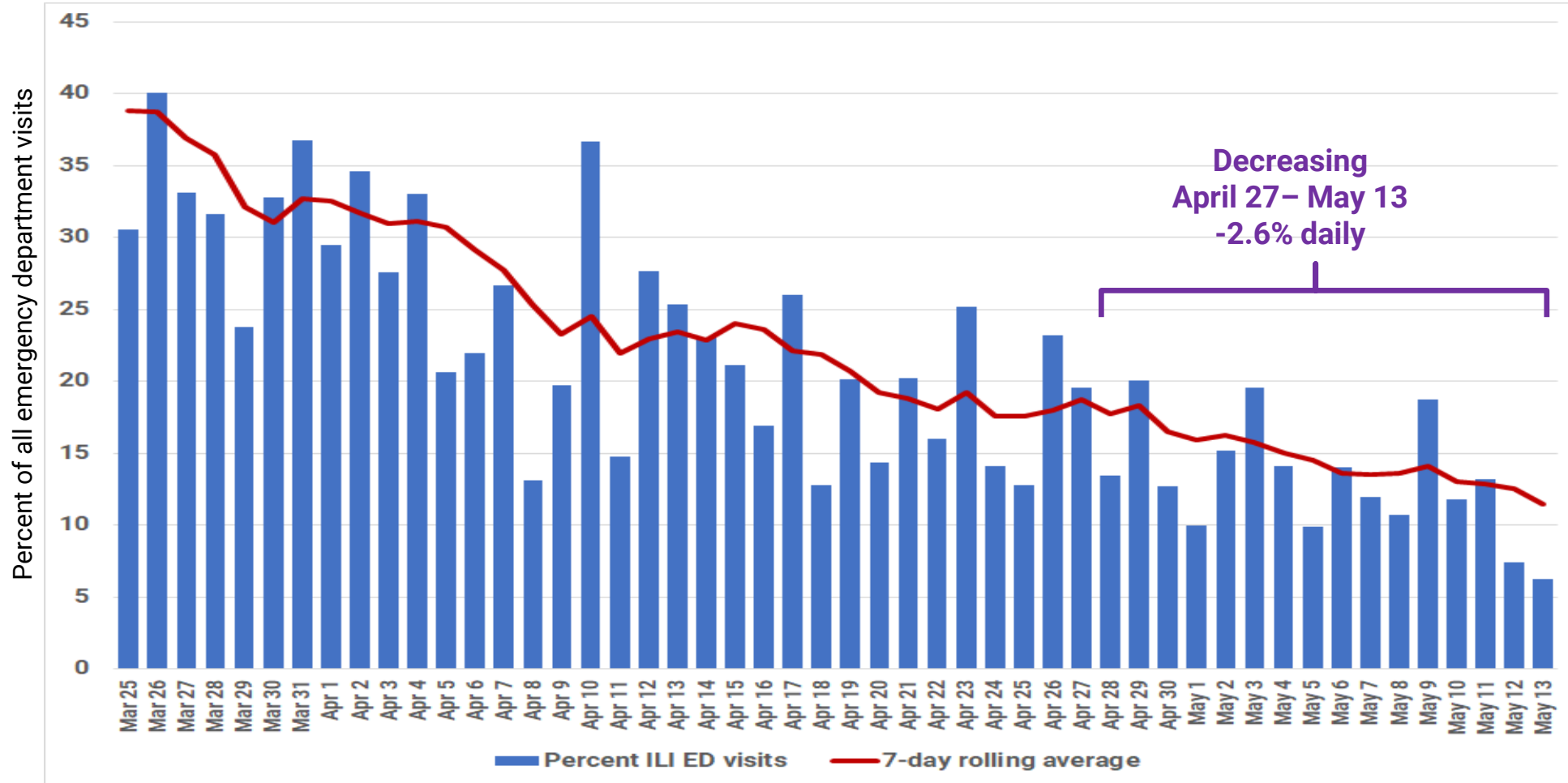


Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS.

CAUTIOUS OPTIMISM



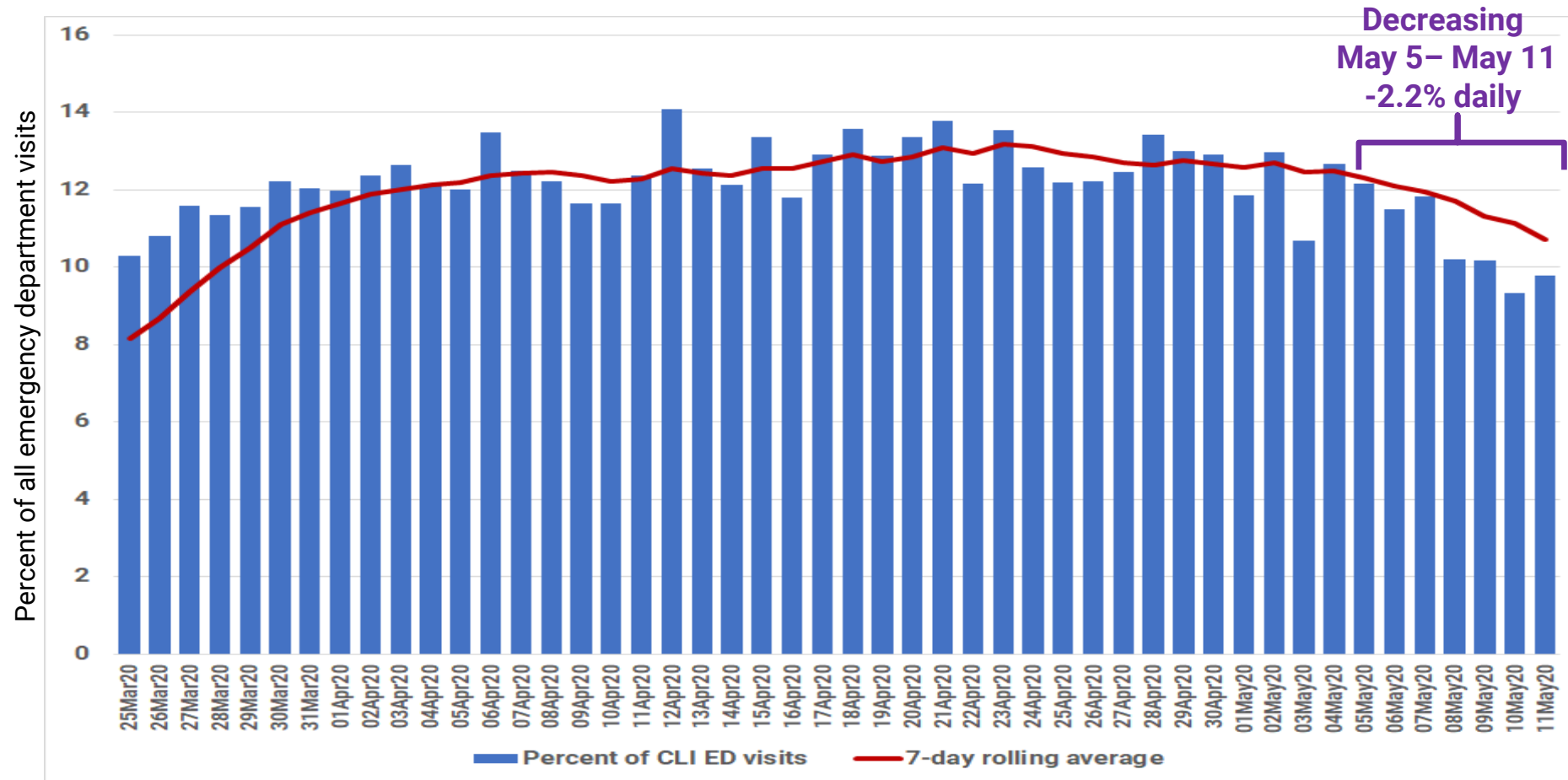
Emergency department visits for influenza-like illness decreasing (17 days)



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

Emergency department visits for COVID-like illness decreasing (7 days)



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.



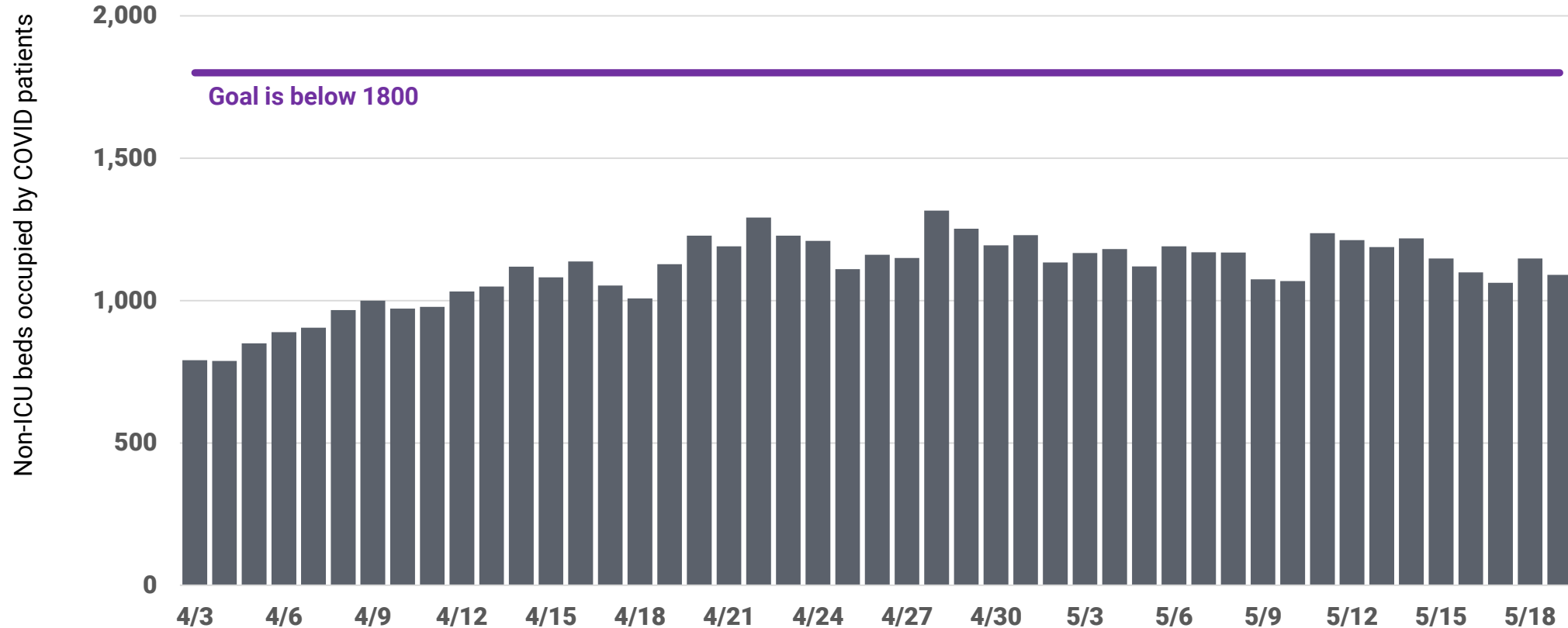
Hospital Capacity

CAUTIOUS OPTIMISM



Hospital capacity adequate: $\leq 1,800$ non-ICU beds occupied by patients with COVID-19

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

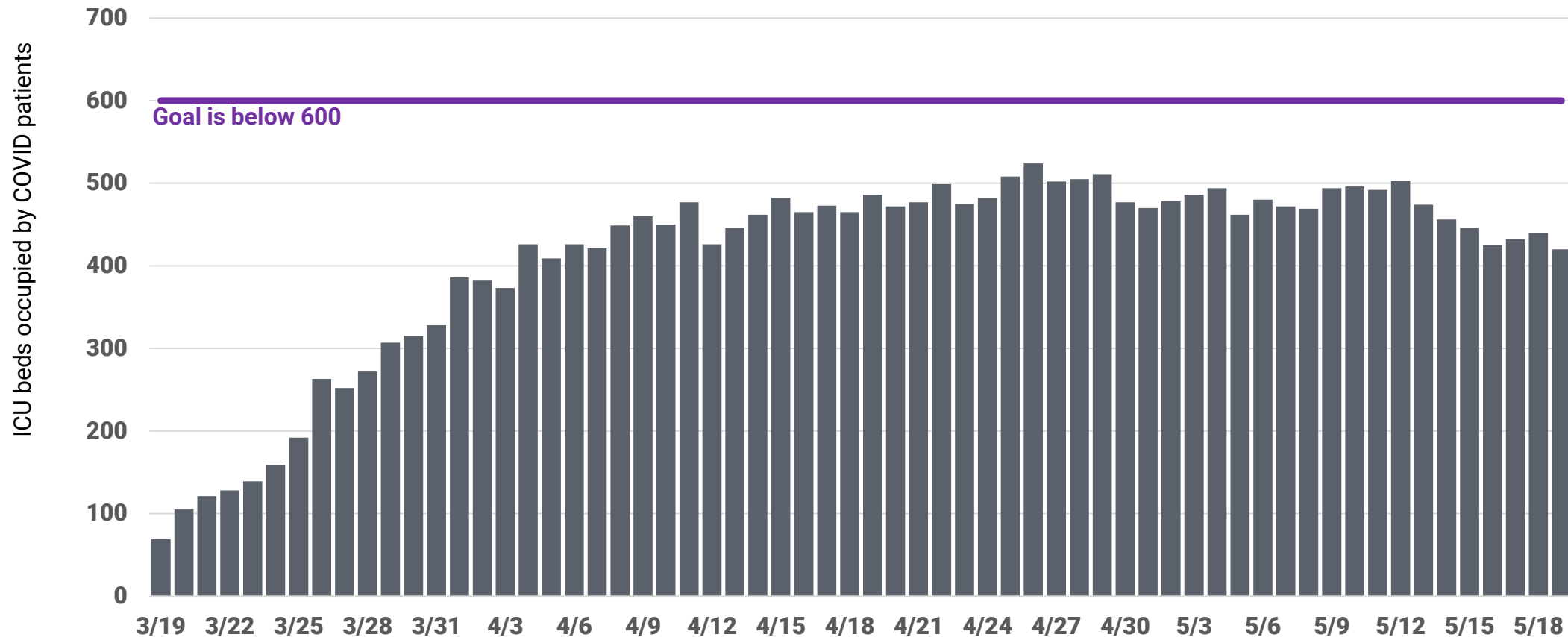


Includes COVID-19 cases and persons under investigation (PUIs). Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning April 3 (acute non-ICU occupancy). Acute non-ICU bed counts include burn, emergency department, med/surg, other, pediatrics and psychiatry beds in Chicago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

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

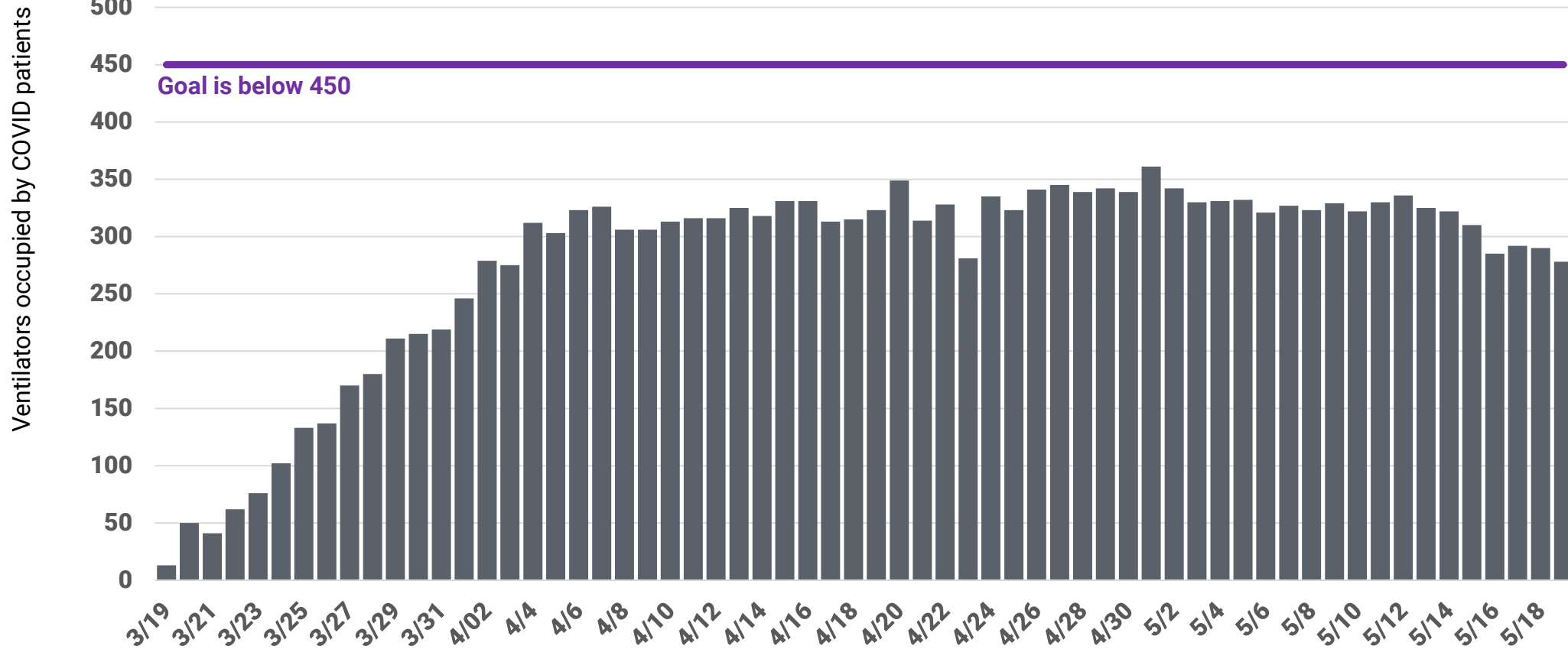


Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Surge capacity not included in total capacity count. **Note:** Beginning 4/24/2020, 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 COVID-19 cases and PUIs. Includes Chicago and non-Chicago residents. Beginning 4/24/2020, ventilator counts include all full-functioning mechanical ventilators, BiPAP, anesthesia machines and portable/transport ventilators.



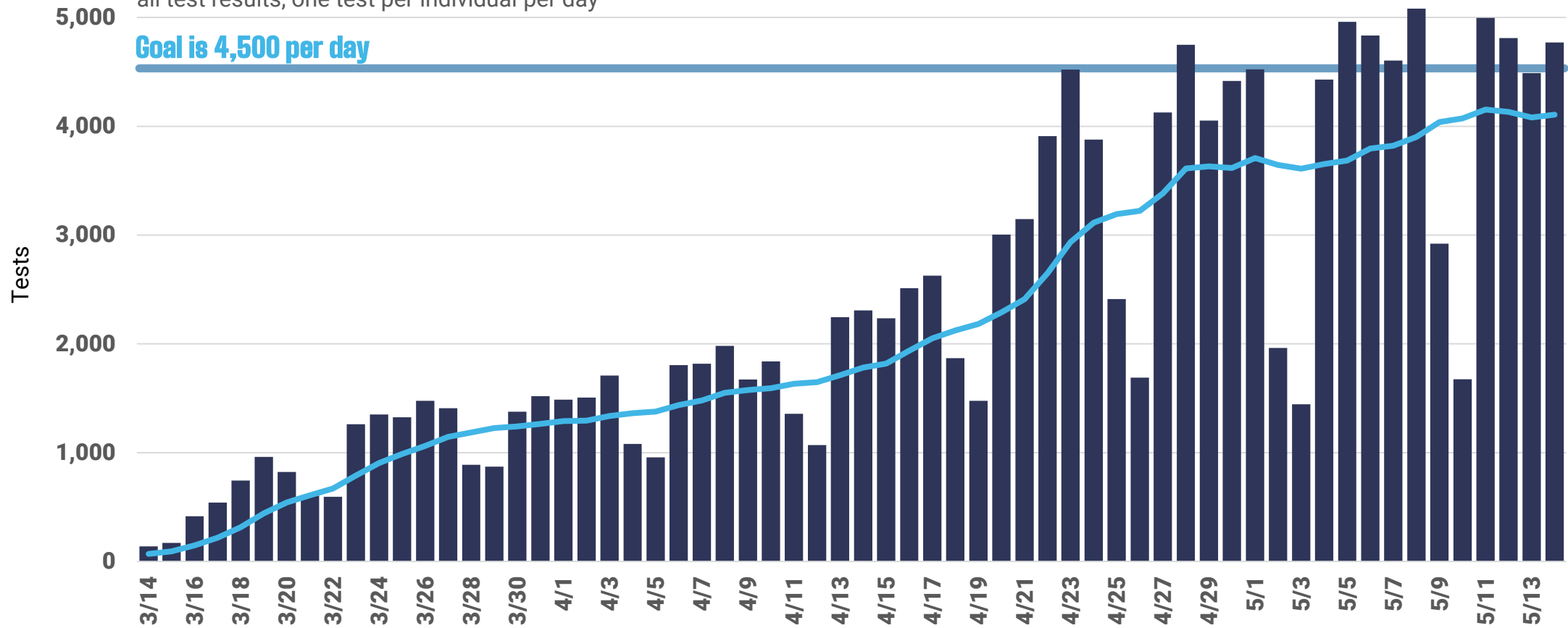
Testing and Response Capacity



CAUTIOUS OPTIMISM

Testing capacity increasing: now conducting 4,307 tests per day

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



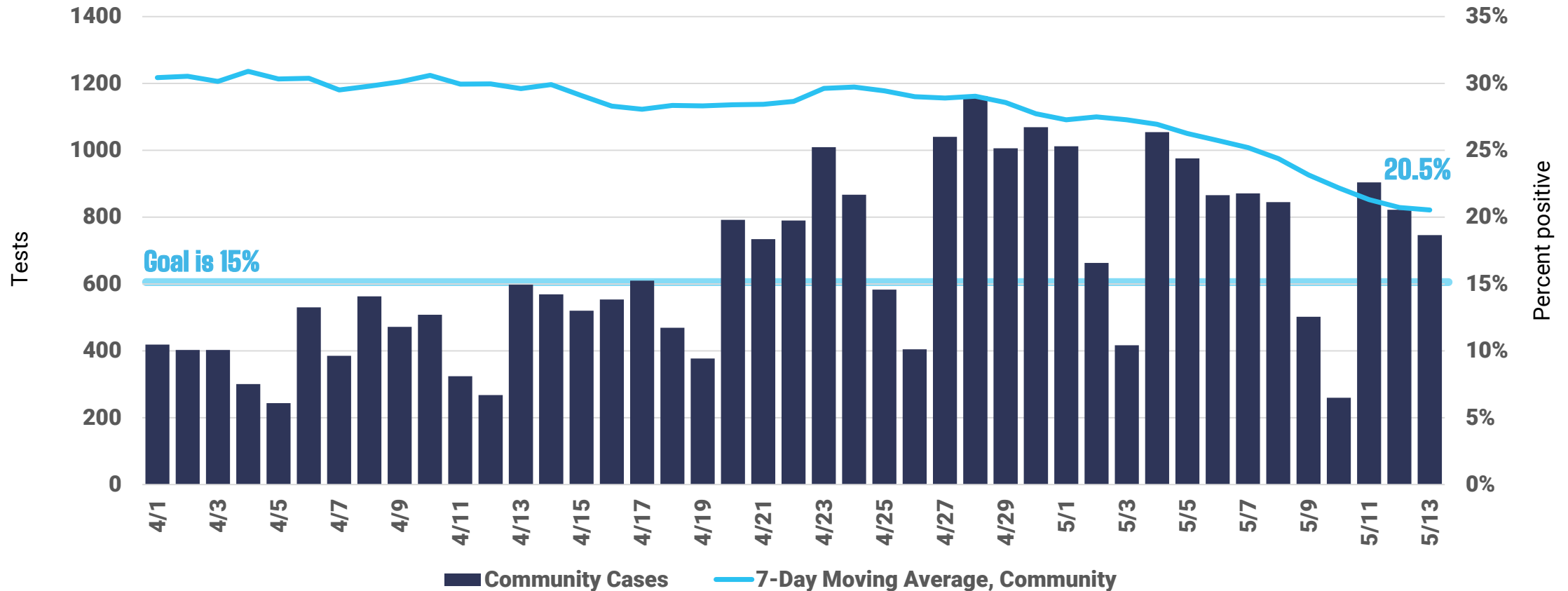
All COVID-19 tests performed on Chicago residents per day as reported by electronic lab reporting from IDPH. 4500 tests per day represents the capacity to test 5% of Chicago residents per month.

CAUTIOUS OPTIMISM



Percent positivity still high but decreasing: now 20.5% positive in community settings

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



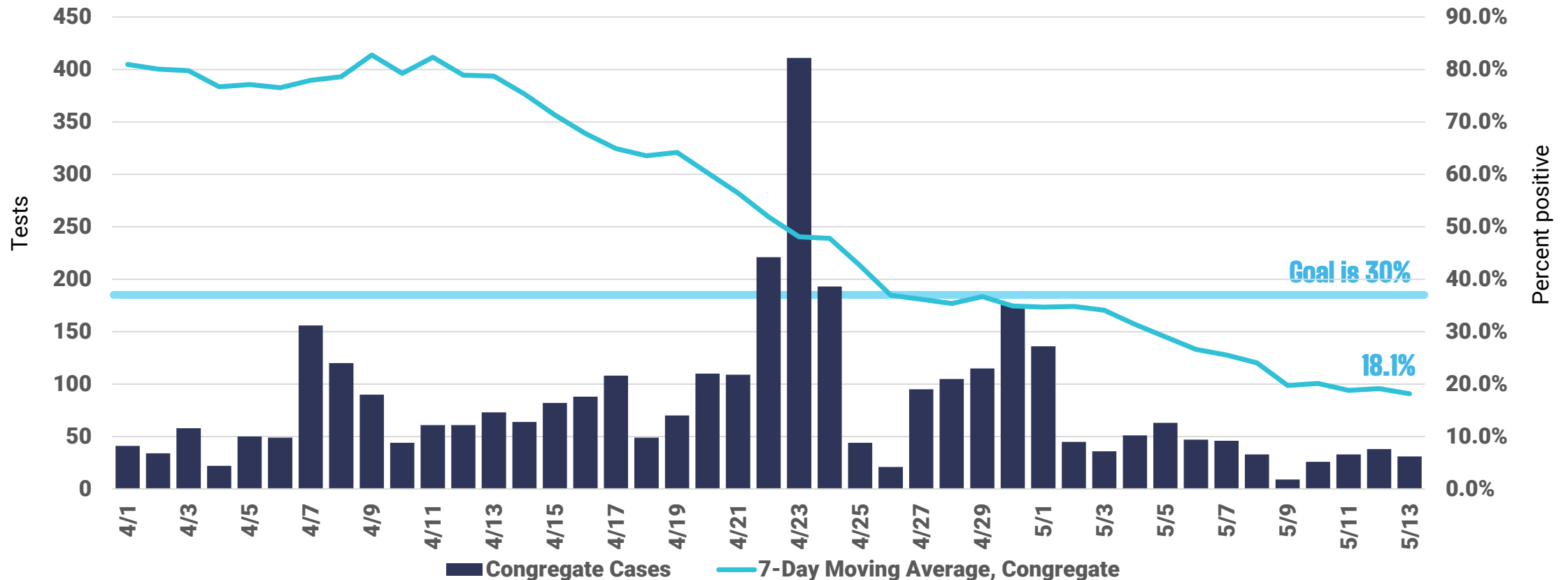
Community settings include all tests in non-congregate settings. Every individual tested is counted once. The first positive test is the date used for the test result. If the individual has only negative tests, the date of the first negative test is used.

CAUTIOUS OPTIMISM



Response capacity increasing and percent positivity decreasing: now 18.1% 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.