Protecting Chicago: COVID Outcomes and Phase IV Re-Opening Metrics Update

March 13th, 2021
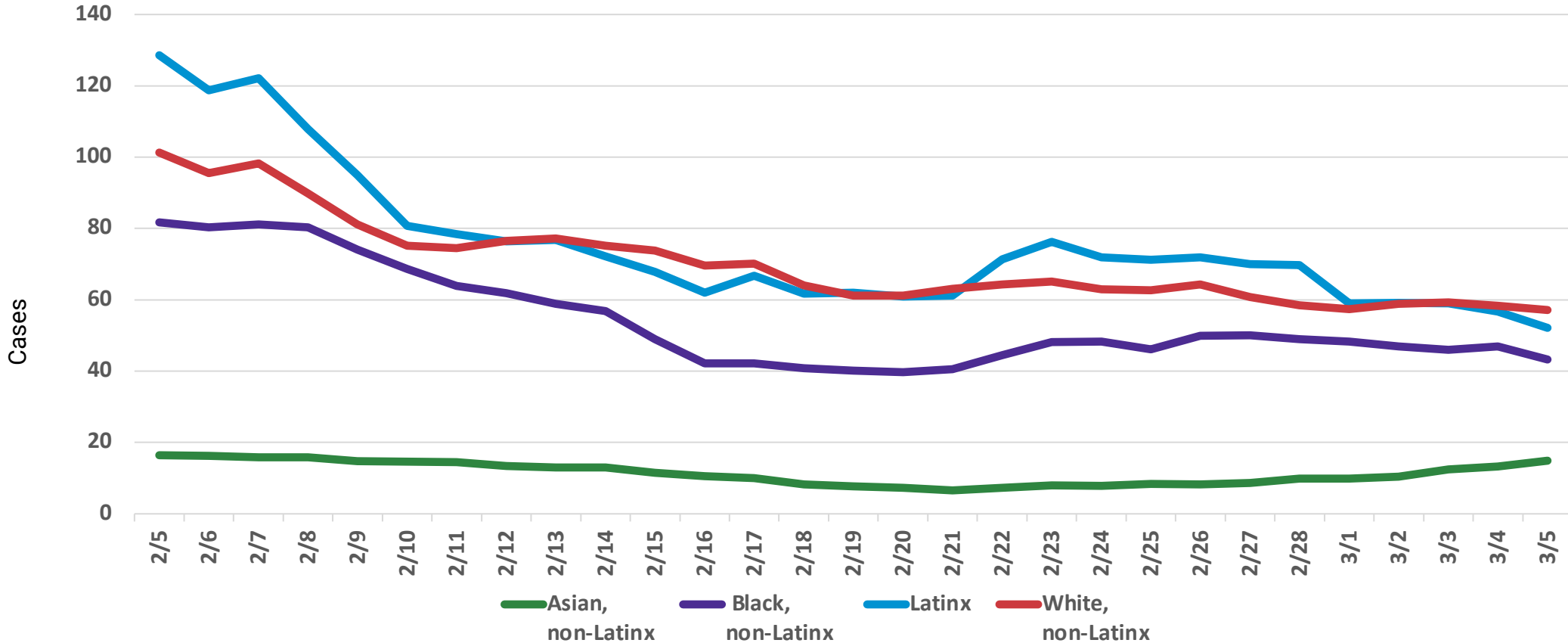
(Data current through 3/10/2021)

COVID-19 Outcomes

Incident cases are highest for Latinx and White, non-Latinx.

COVID-19 Cases, on Specimen Date, by Race/Ethnicity, rolling 7-day average

Cases

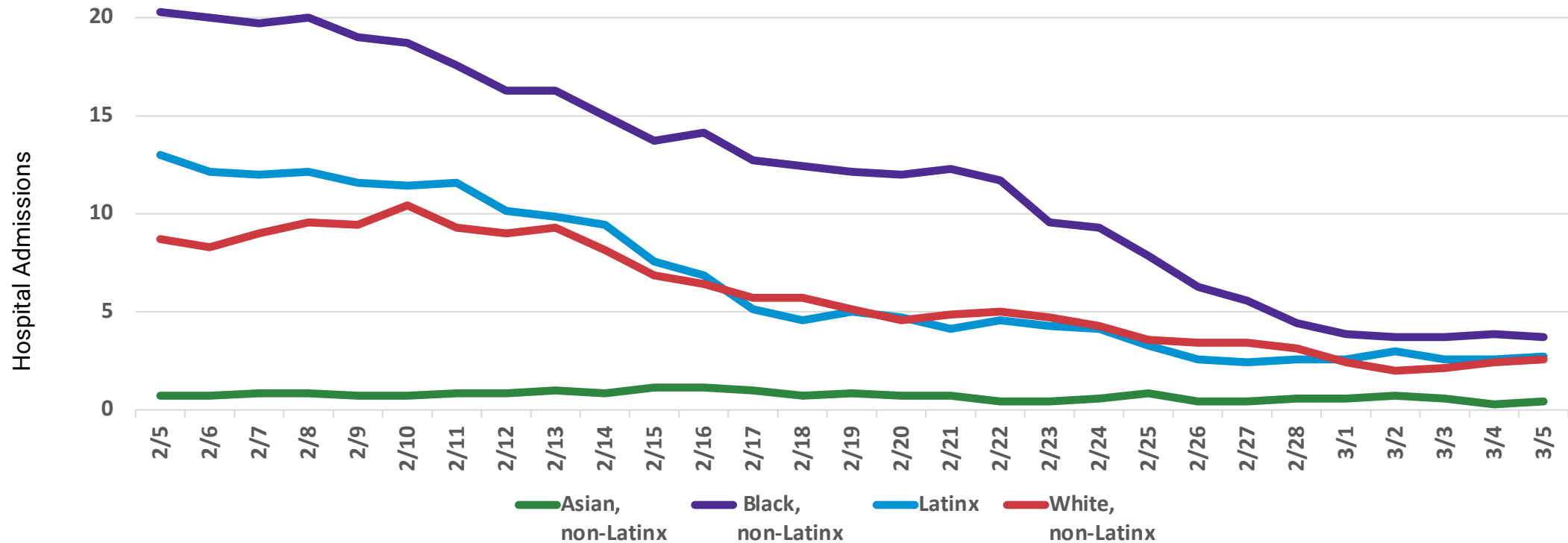Legend: Asian, non-Latinx · Black, non-Latinx · Latinx · White, non-Latinx

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.

3

Daily COVID-19 hospital admissions are currently similar for most race/ethnicities.

COVID-19 Hospital Admissions, by Race/Ethnicity, rolling 7-day average, first known hospital admit date

Hospital Admissions

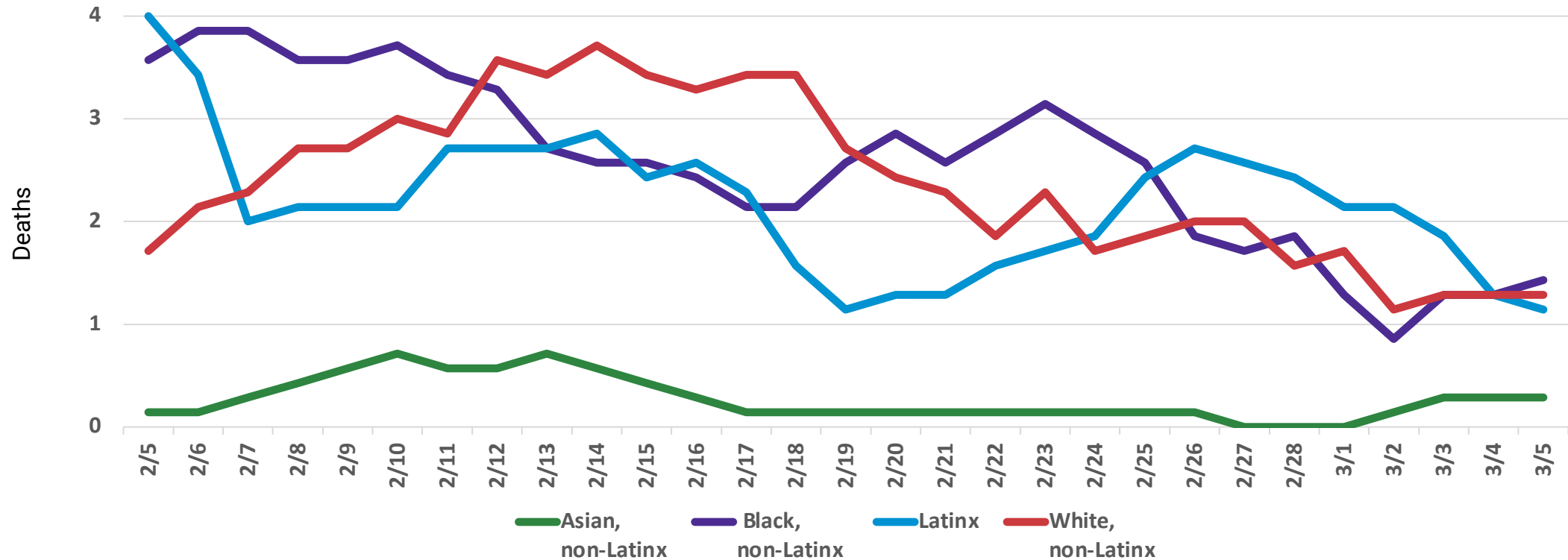Asian, non-Latinx   Black, non-Latinx   Latinx   White, non-Latinx

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.

4

Daily COVID-19 deaths are currently similar for most race/ethnicities.

COVID-19 Deaths, by Race/Ethnicity, rolling 7-day average

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.

5

COVID-19 Reopening Metrics

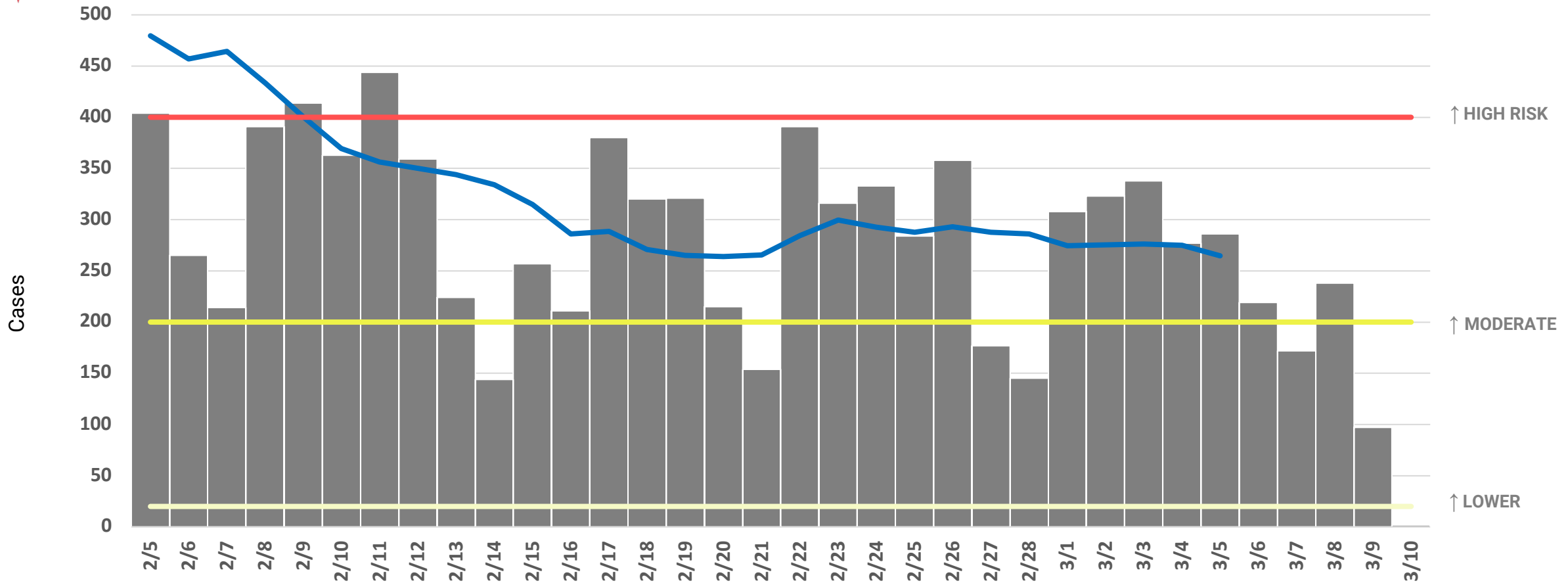# Chicago COVID-19 Community Metrics, Phase IV, current status

	Risk level as of 3/12/2021	Very high risk	High risk	Moderate risk	Lower risk	Controlled transmission
COVID cases diagnosed per day Chicago residents 7-day rolling daily average	MODERATE	**800+** -or- 7+ consecutive days more than 15% higher than daily average one week prior	**400 - 799** -or- 5+ consecutive days more than 10% higher than daily average one week prior	**200 - 399** -and- decreasing or stable compared to daily average one week prior	**20 – 199** -and- decreasing or stable compared to daily average one week prior	**<20**
COVID test positivity Chicago residents 7-day rolling daily average	LOWER	**10%+** -or- 7+ consecutive days more than 15% higher than daily average one week prior	**6.6 - 9.9%** -or- 5+ consecutive days more than 10% higher than daily average one week prior	**5.0 - 6.5%** -and- decreasing or stable compared to daily average one week prior	**2 - 4.9%** -and- decreasing or stable compared to daily average one week prior	**<2%**
Emergency dept visits for COVID-like illness Chicago hospitals 7-day rolling daily average	LOWER	**90+** -or- 7+ consecutive days more than 15% higher than daily average one week prior	**80-89** -or- 5+ consecutive days more than 10% higher than daily average one week prior	**60 - 79** -and- decreasing or stable compared to daily average one week prior	**20 - 59** -and- decreasing or stable compared to daily average one week prior	**<20**
ICU beds occupied by COVID patients Chicago hospitals 7-day rolling daily average	LOWER	**400+** -or- <20% overall ICU bed availability	**300 - 399** -or- <22% overall ICU bed availability	**100 - 299**	**20 - 99**	**<20**

COVID-19 case incidence risk level is moderate.

Date	Incident case count, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
3/11/2021	275	0	0	MODERATE	0

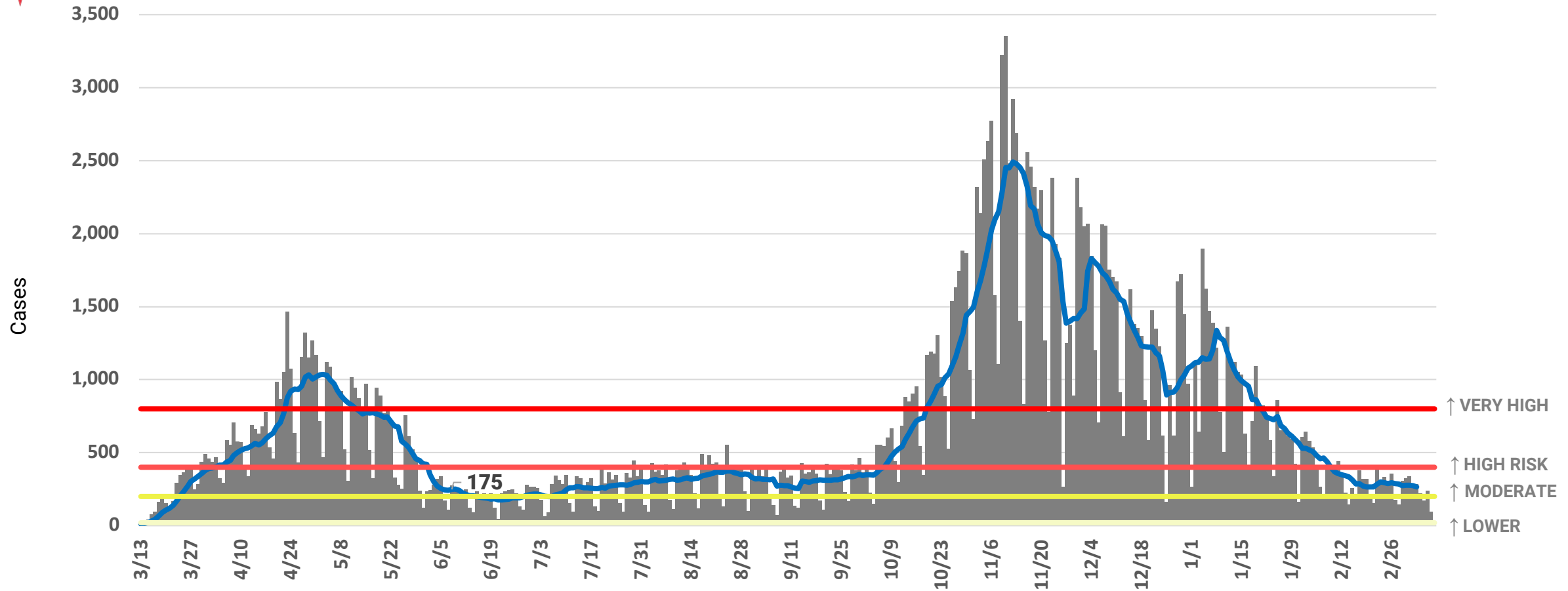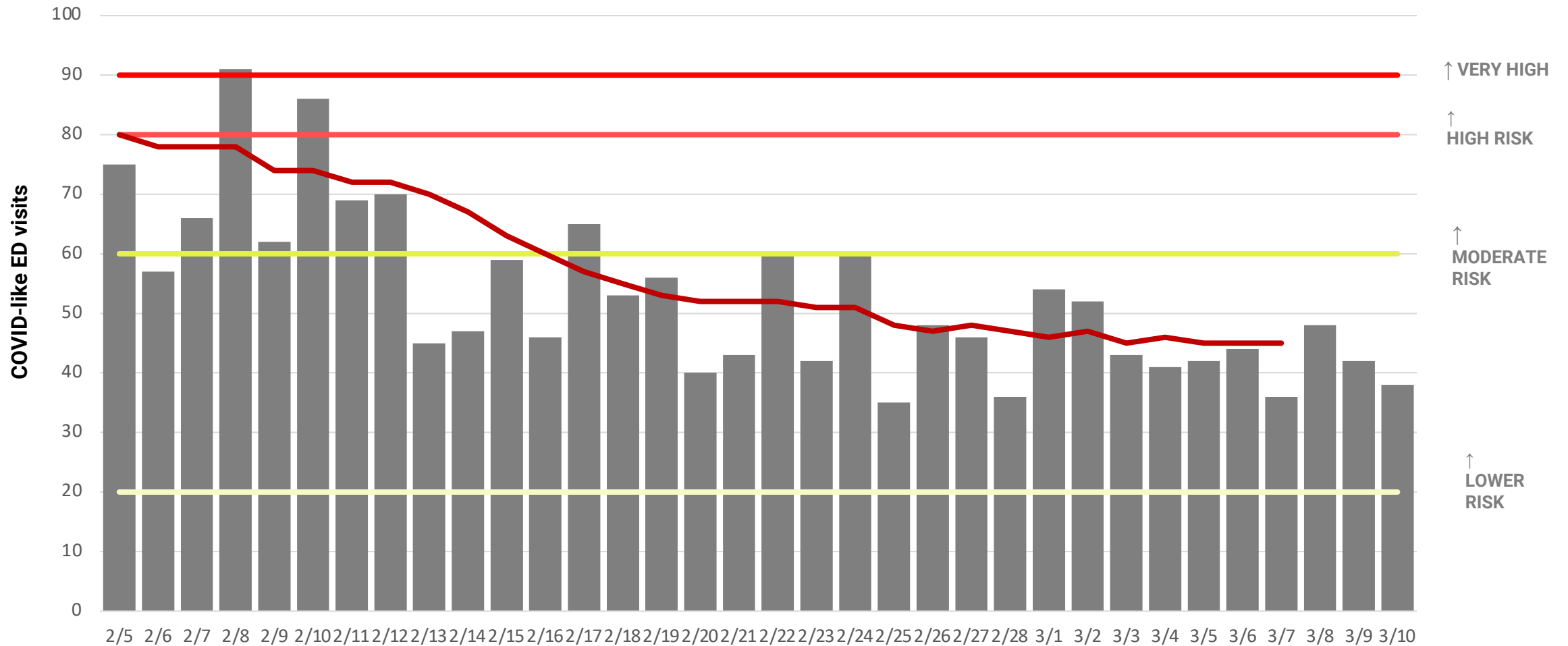**COVID-19 cases, daily counts and rolling 7-day average, specimen date**

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.

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

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.
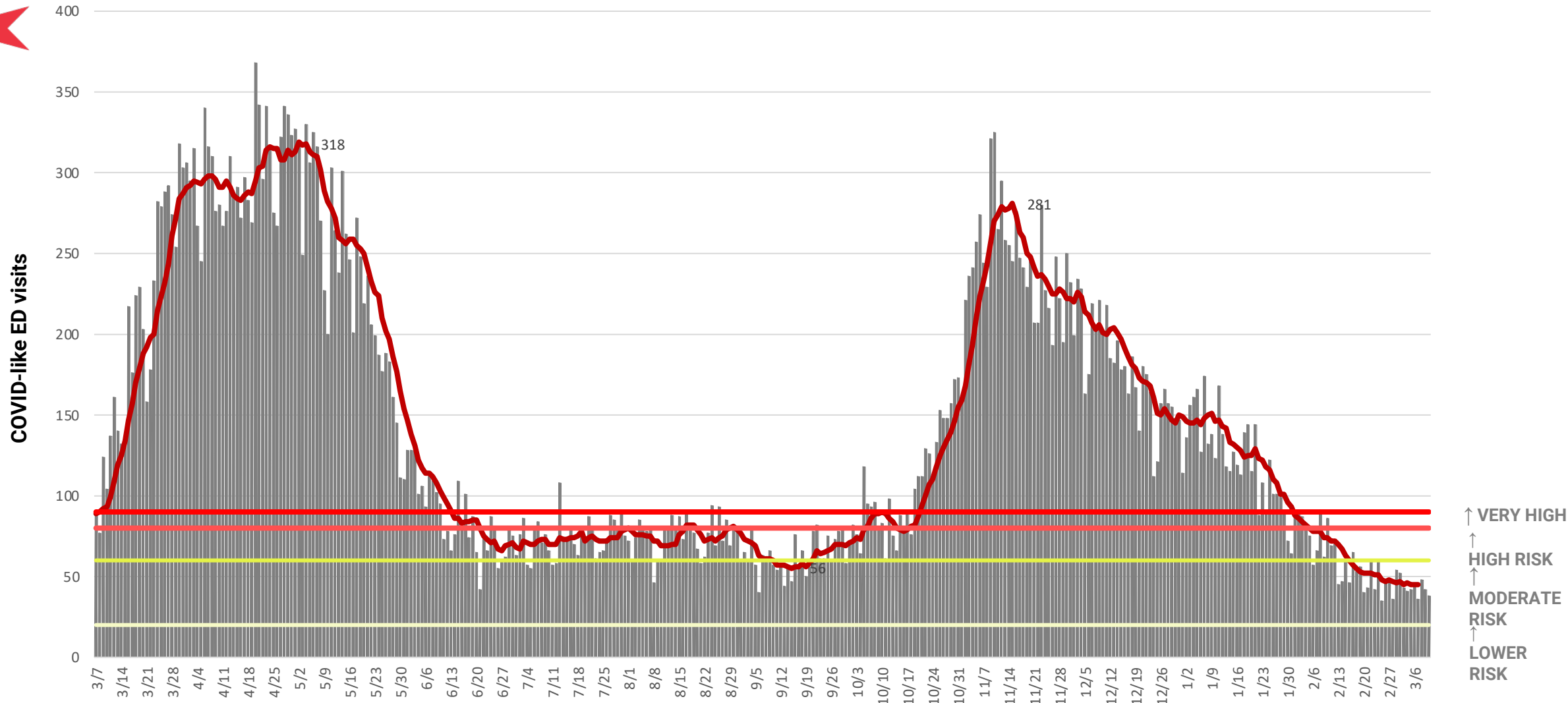
ED visits for COVID-like illness risk level is lower.

Date	CLI ED visit count, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
3/7/2021	44	0	0	LOWER	0

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.

10

ED visits for COVID-like illness reached the highest peak in early May and is currently declining
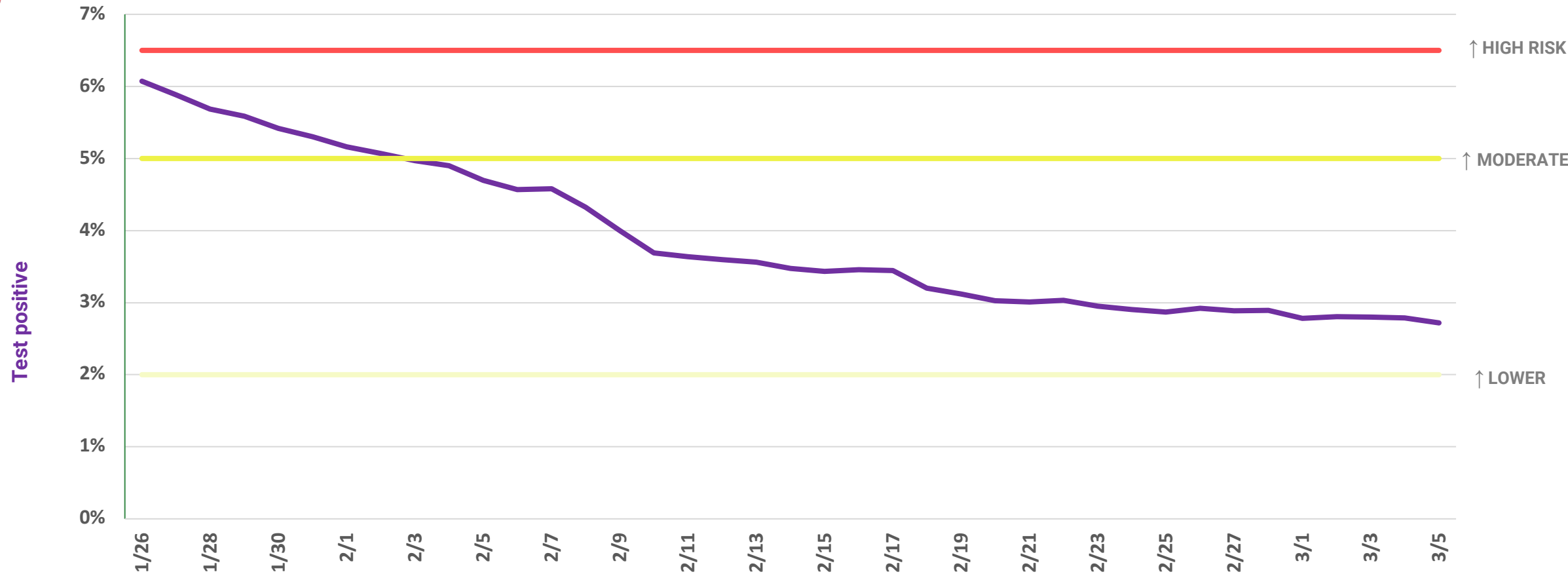

Count of all emergency department visits reported with COVID-like symptoms among Chicago residents.
Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.

Test positivity risk level is lower.

Date	Test Positivity, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
3/7/2021	2.8%	0	0	LOWER	0

COVID-19 tests, 7-day rolling average for test positive (%)
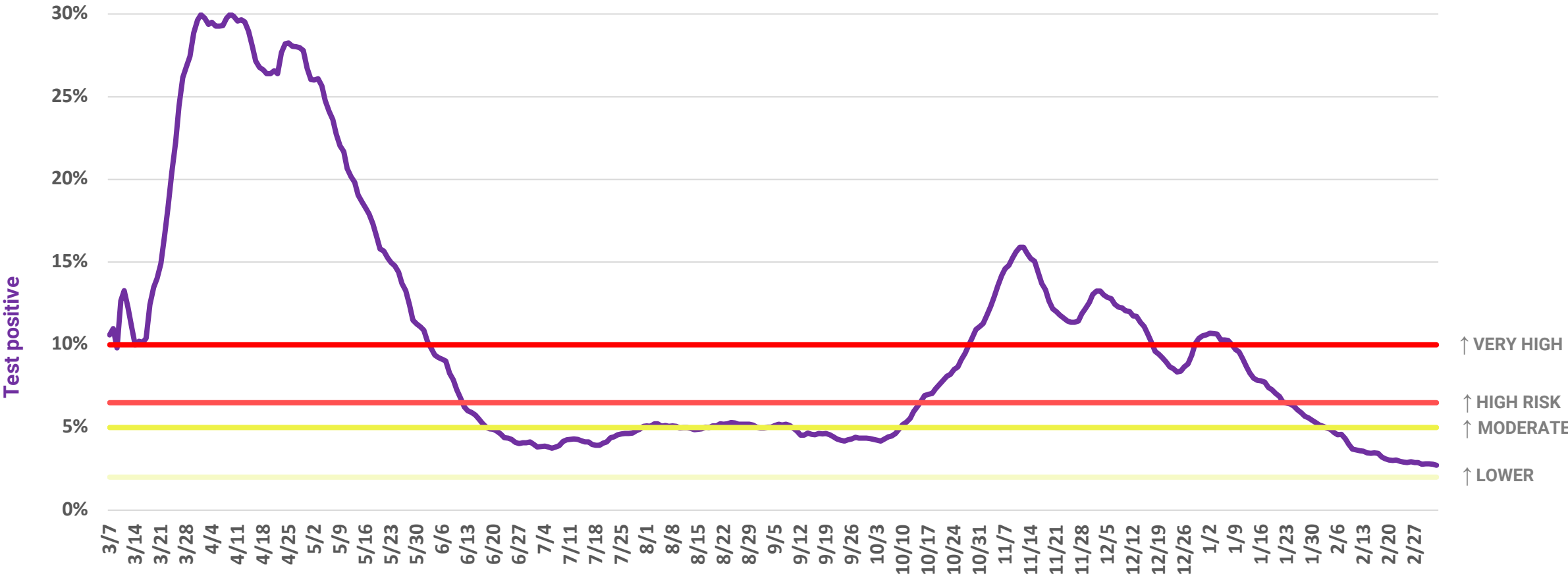

Test positivity is the number of positive tests divided by all tests performed. For the purposes of public reporting, the definition of 'tests' was expanded on 2/8/2021 to include antigen tests in addition to PCR tests. (Previous reports only described PCR tests). The new definition is applied to testing performed at any point during the epidemic. Source: INEDSS.

Test positivity varies over time.

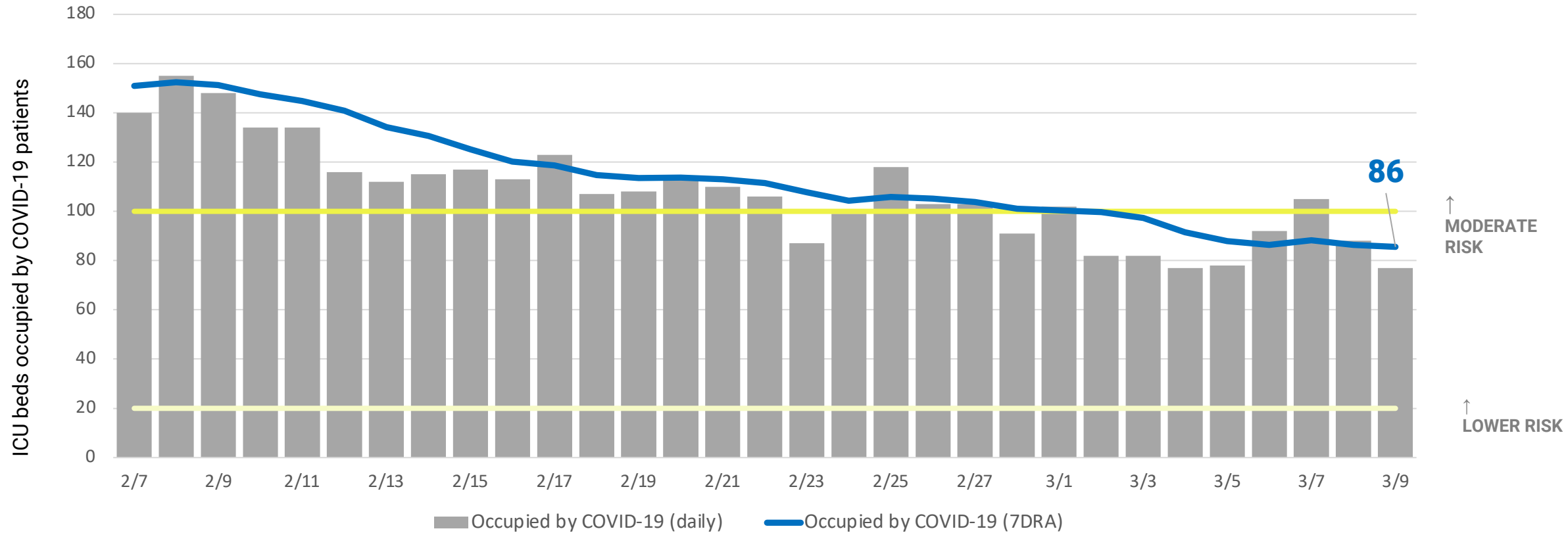**COVID-19 tests, 7-day rolling average for test positive (%)**

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13

COVID-19 occupied ICU beds risk level is lower.

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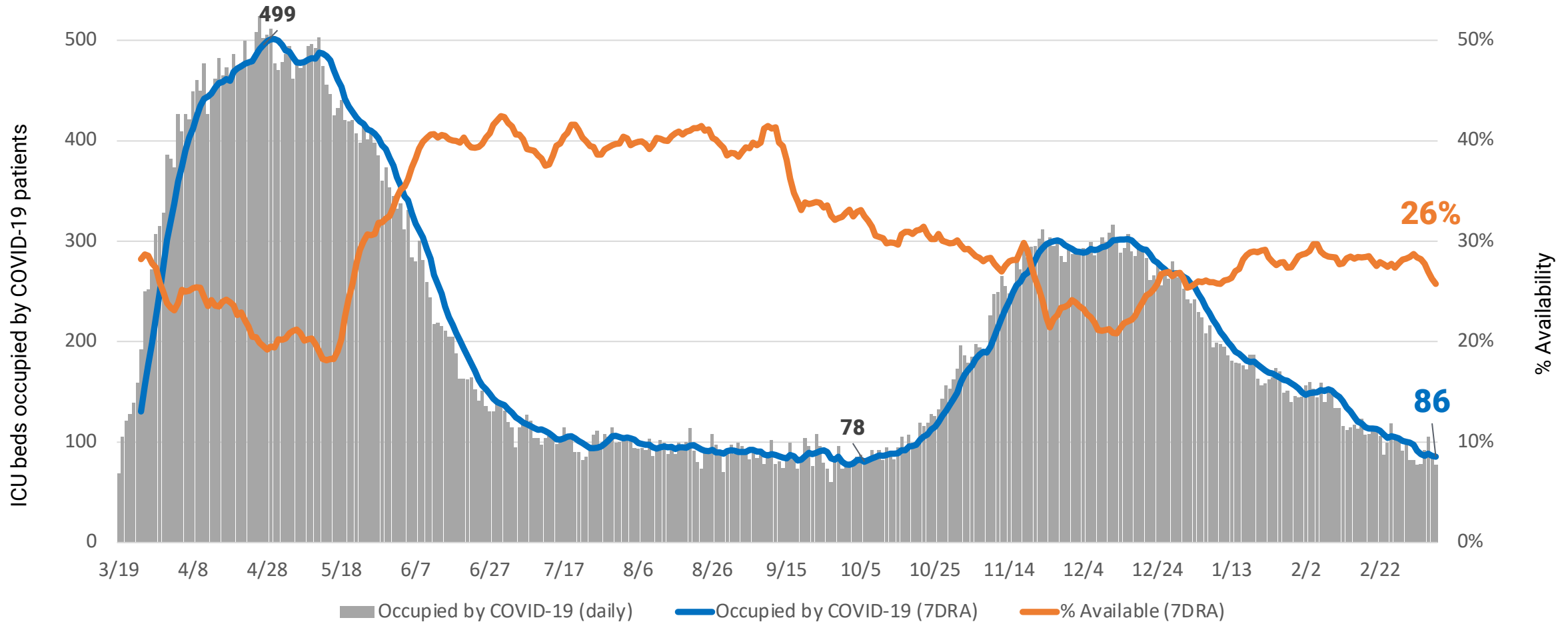

Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.

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

Date	ICU Beds Occupied by COVID-19, 7DRA	ICU Bed Availability, 7DRA	Risk level
3/11/2021	86	26%	LOWER

Occupied by COVID-19 (daily) — Occupied by COVID-19 (7DRA) — % Available (7DRA)

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.