Protecting Chicago: Phase IV Re-Opening Metrics Update

April 9th, 2021

(Data current through 4/7/2021)

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

|	Risk level as of 4/9/2021	Very high risk	High risk	Moderate risk	Lower risk	Controlled transmission
COVID cases diagnosed per day Chicago residents 7-day rolling daily average	**VERY HIGH*** **614**	**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	**VERY HIGH*** **5.2%**	**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	**VERY HIGH** **120**	**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	**MODERATE** **101**	**400+** -or- <20% overall ICU bed availability	**300 - 399** -or- <22% overall ICU bed availability	**100 - 299**	**20 - 99**	**<20**

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Cases by Race/Ethnicity and by Age

# Incident cases are highest for White, non-Latinx while increasing faster for Latinx and Black, non-Latinx.

COVID-19 Cases, on Specimen Date, by Race/Ethnicity, rolling 7-day average
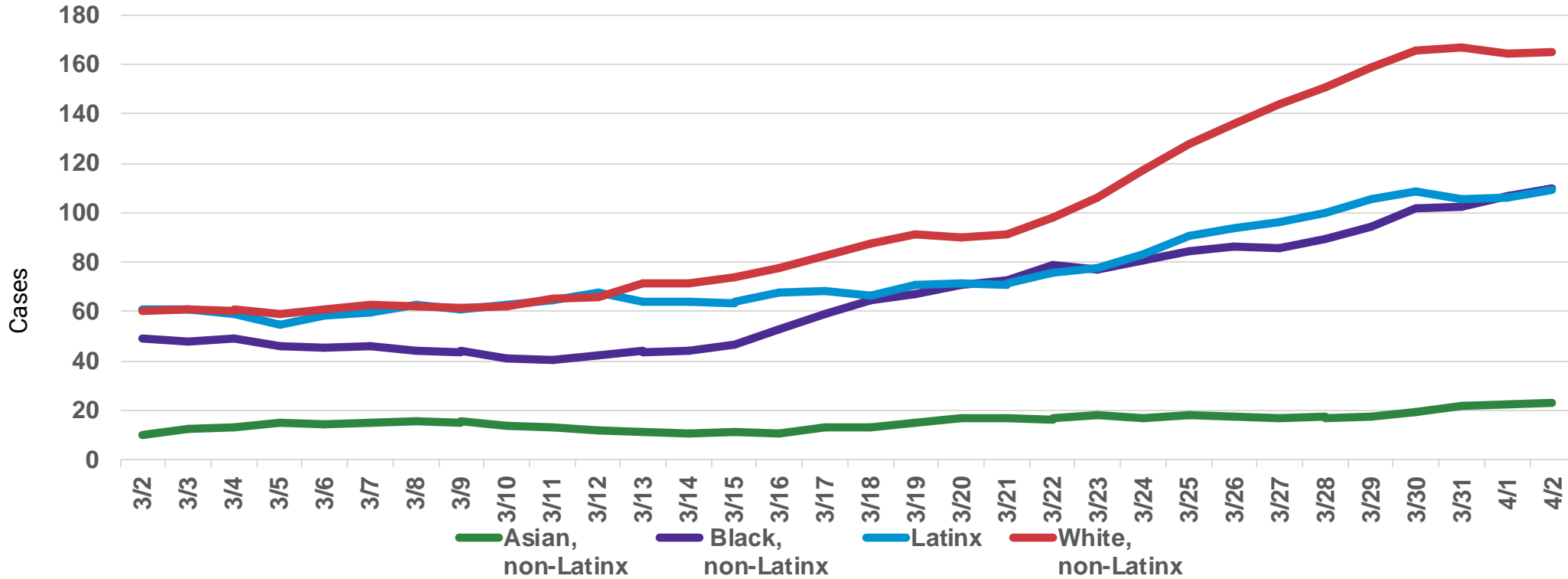
— Asian, non-Latinx — Black, non-Latinx — Latinx — White, non-Latinx

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.

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Incident cases are highest and increasing fastest for 18-29 year olds followed by 30-39 year olds.

COVID-19 Cases, on Specimen Date, by Age Group, rolling 7-day average
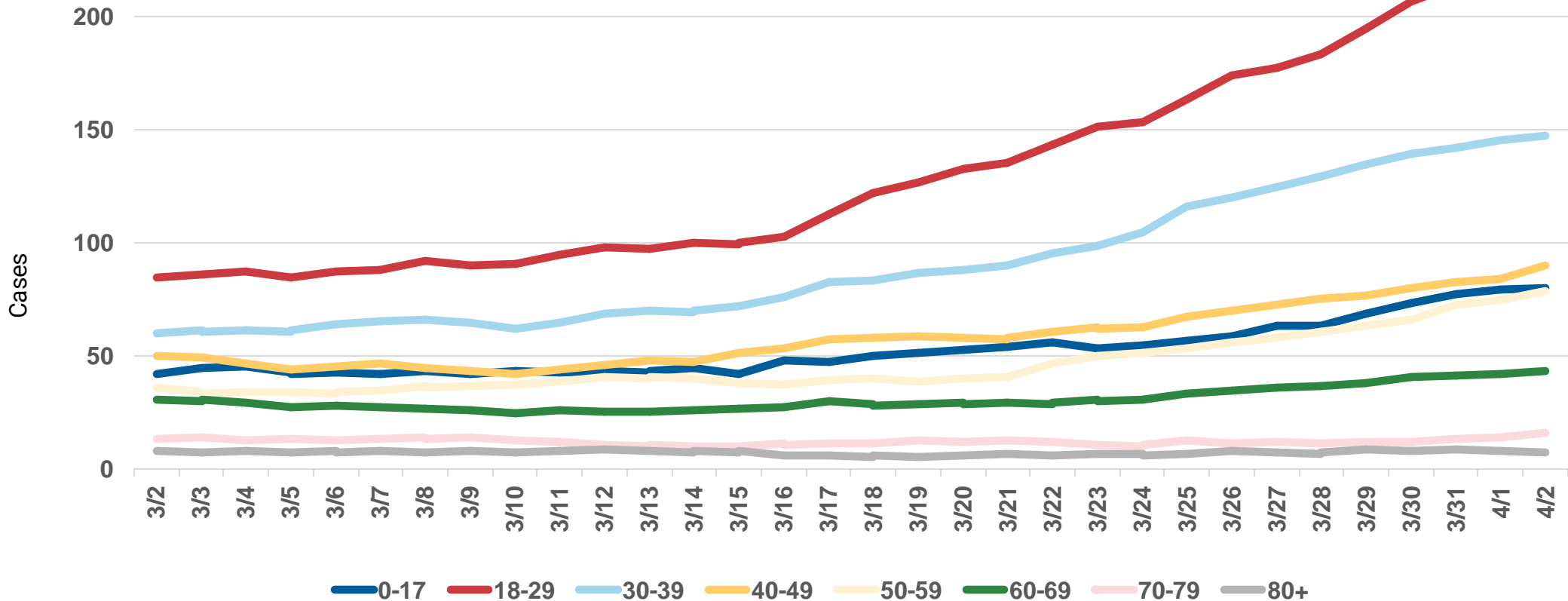
Daily COVID-19 cases with known specimen report date and race/ethnicity information. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.

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Weekly changes in COVID-19 cases by race/ethnicity and age group for week ending April 3rd (comparisons to week ending Mar 27th)

Age Group (years)	Latinx	% of Age grp	Change from last week	Black, NL	% of Age grp	Change from last week	White, NL	% of Age grp	Change from last week	Asian, NL	% of Age grp	Change from last week	Total	Change from last week
0-17	131	34%	0	117	30%	+50	90	23%	+28	18	5%	+6	541	+119
18-44	507	24%	+68	418	20%	+52	883	42%	+63	121	6%	+46	2620	+333
45-64	187	25%	+39	256	35%	+90	220	30%	+18	35	5%	+6	904	+165
65+	33	15%	+2	94	43%	+29	71	33%	+41	8	4%	+4	251	+63
Total	858	25%	+109	885	26%	+225	1264	37%	+136	182	5%	+62	4316	+680

Percentages are computed using confirmed COVID-19 cases with known race/ethnicity.

Data pulled Wednesday 4/7/21

Changes in weekly case counts by zip code

Week ending 3/27/21 (n=3,575)

Week ending 4/3/21 (n=4,316)
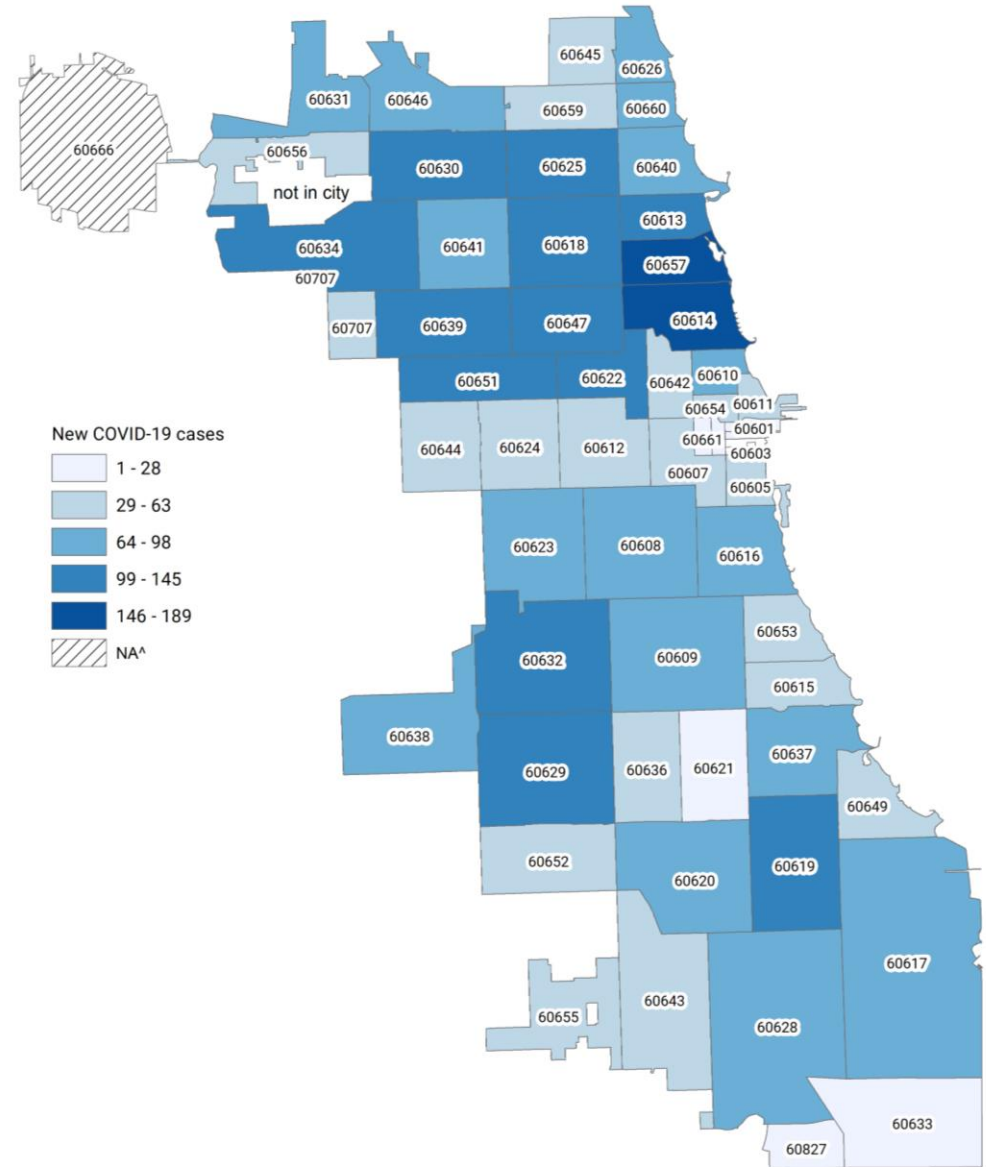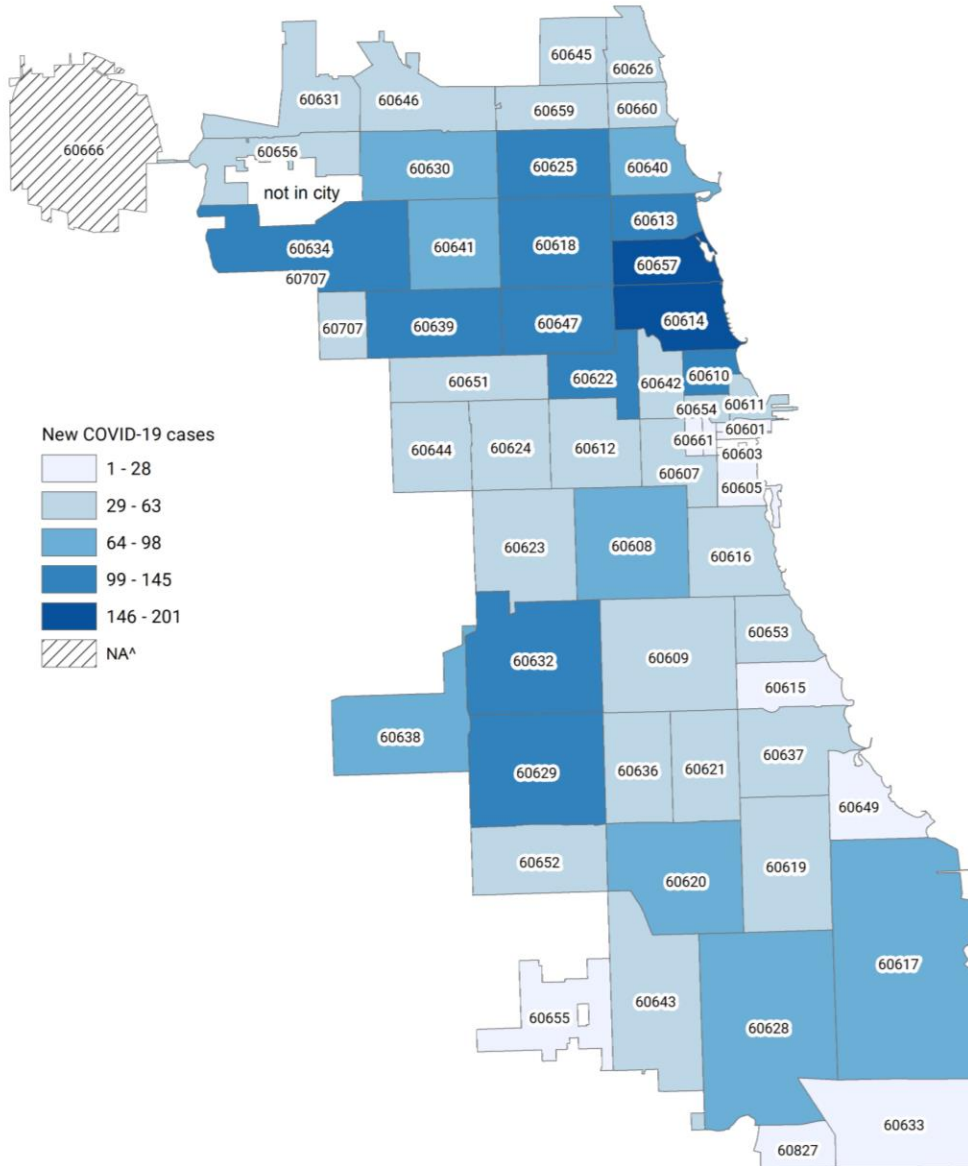
Note: Week is data through the Wednesday after the end date for the week. Week 13 ending April 3rd and week 12 ending March 27th
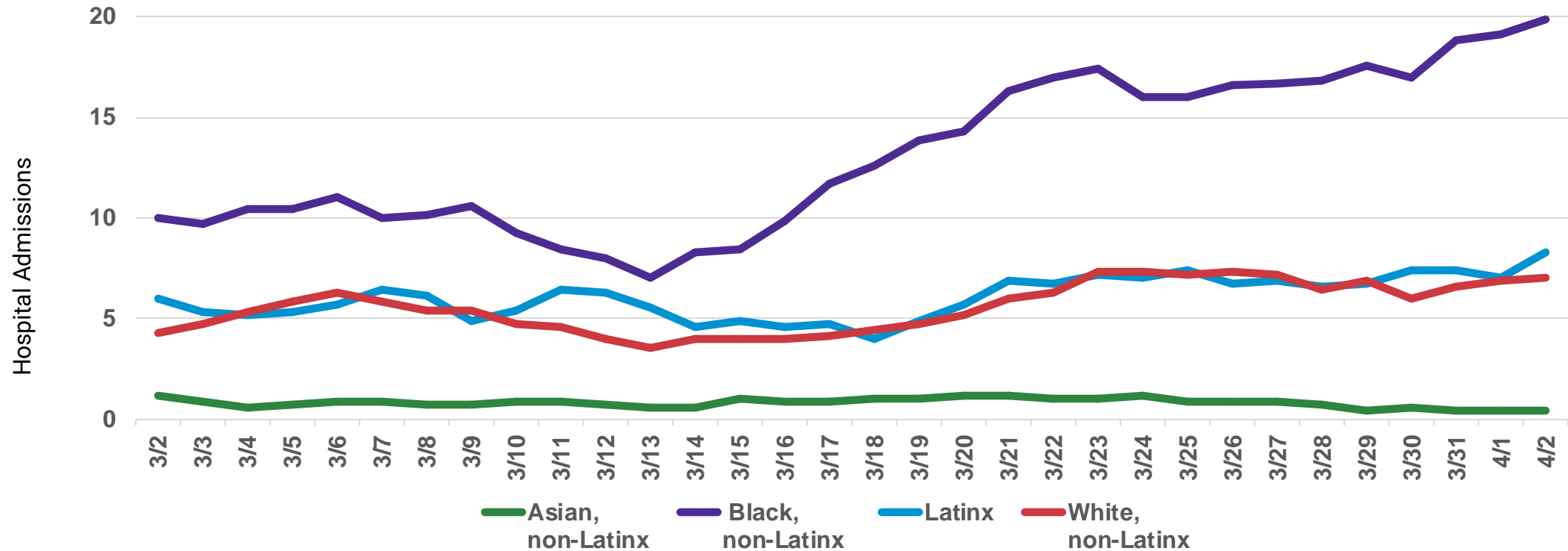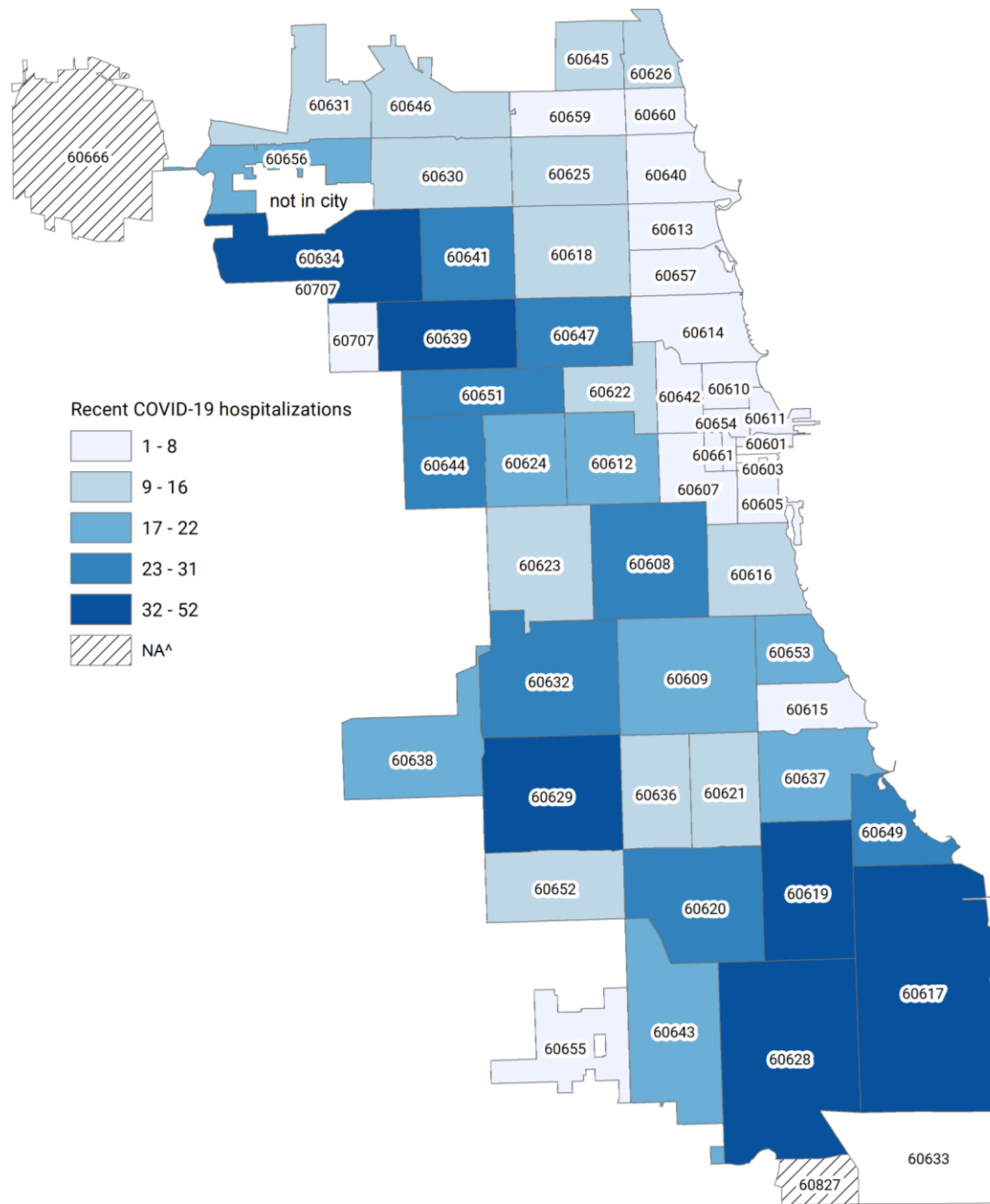
Hospital Admissions, by Race/Ethnicity and by Age

Daily COVID-19 hospital admissions are highest and rose fastest in Black, non-Latinx.

COVID-19 Hospital Admissions, by Race/Ethnicity, 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. 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.

Recent COVID-19 hospitalizations by Chicago zip code (Mar 7– Apr 3, 2021) n=882

Please note that COVID-19 hospitalizations have significant reporting delays

Recent hospitalizations by race/ethnicity and age group (Mar 7– Apr 3, 2021)

Age Group (years)	Latinx	% of Age grp	Black, NL	% of Age grp	White, NL	% of Age grp	Asian, NL	% of Age grp	Total
0-17	7	32%	8	36%	4	18%	1	5%	24
18-44	75	32%	108	46%	34	15%	4	2%	242
45-64	62	20%	173	55%	56	18%	6	2%	337
65+	39	15%	137	51%	70	26%	8	3%	279
Total	183	22%	426	51%	164	20%	19	2%	882

Percentages are computed using COVID-19 hospitalizations with known race/ethnicity.
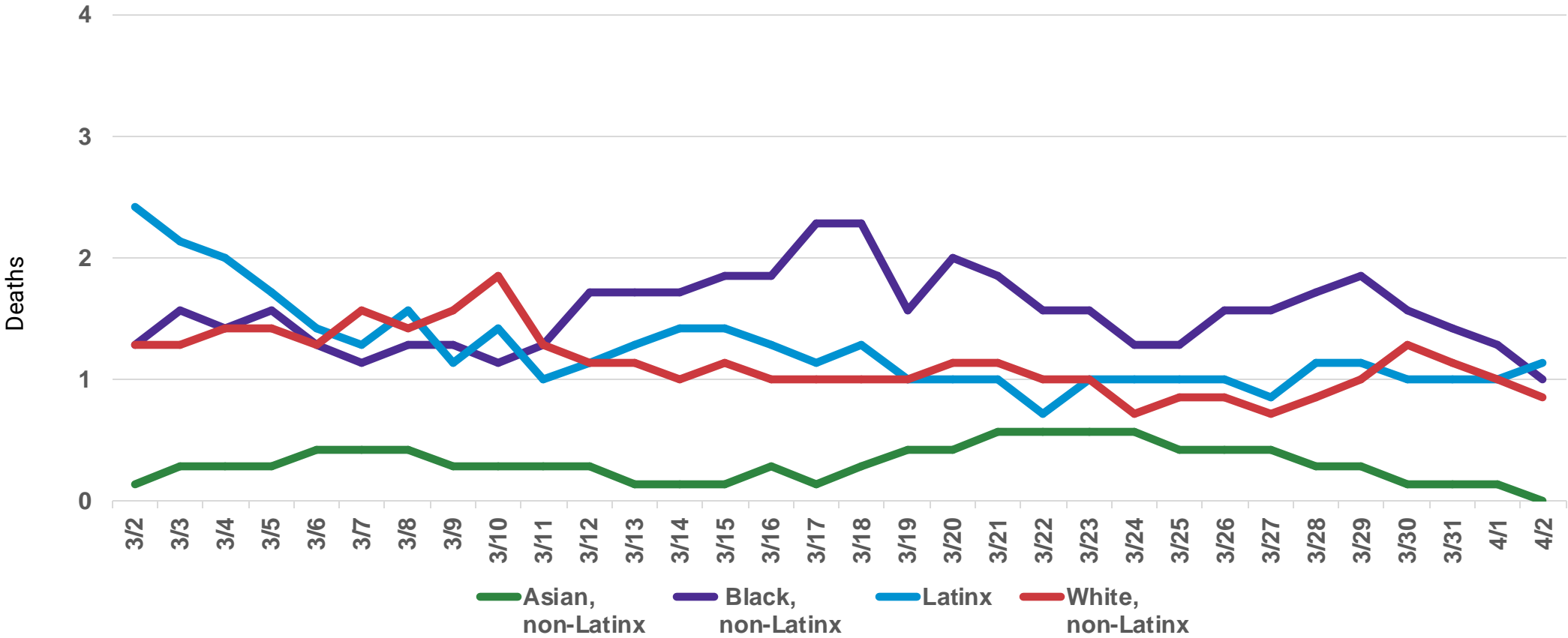
Data pulled Wednesday 4/7/21

Deaths by Race/Ethnicity

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.
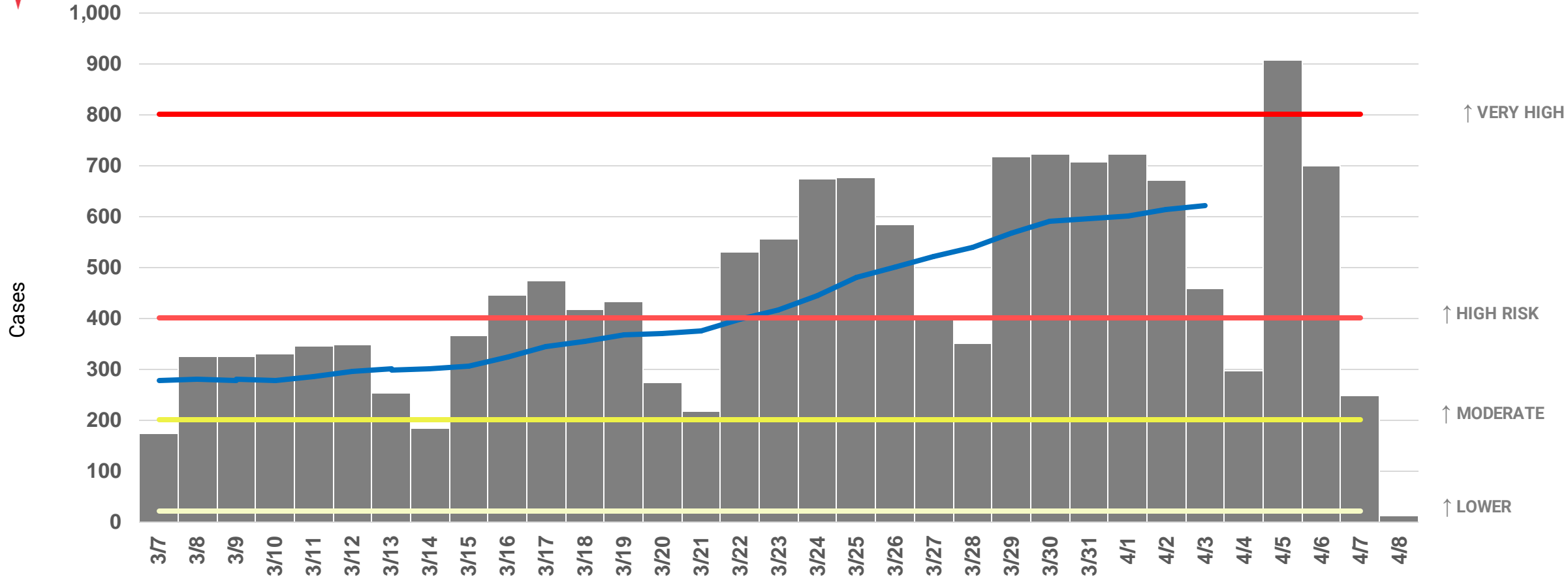
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Reopening Metrics

COVID-19 Cases

COVID-19 case incidence risk level is very high.

Date of Report	Incident case count, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
4/9/2021	614	7	7	VERY HIGH	7

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.

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COVID-19 case incidence risk level varies over time.

COVID-19 cases, daily counts and rolling 7-day average, specimen date
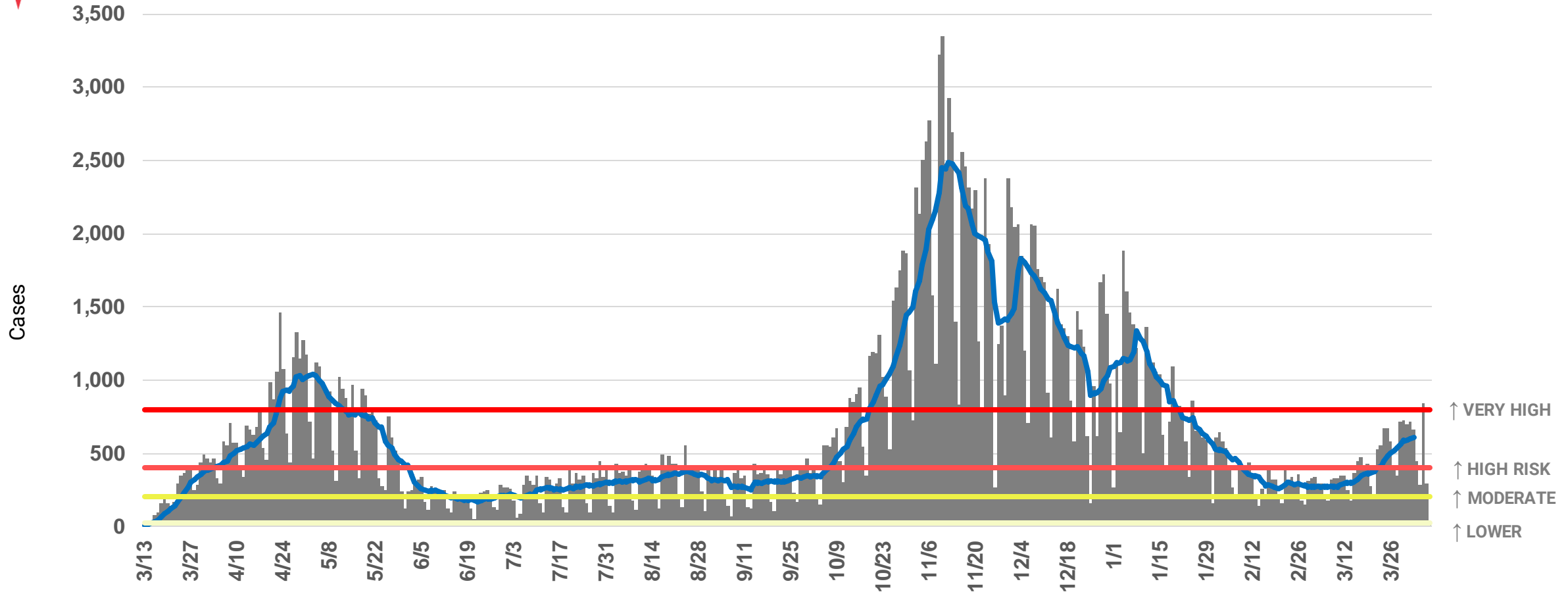
Daily COVID-19 cases with known specimen report date. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.
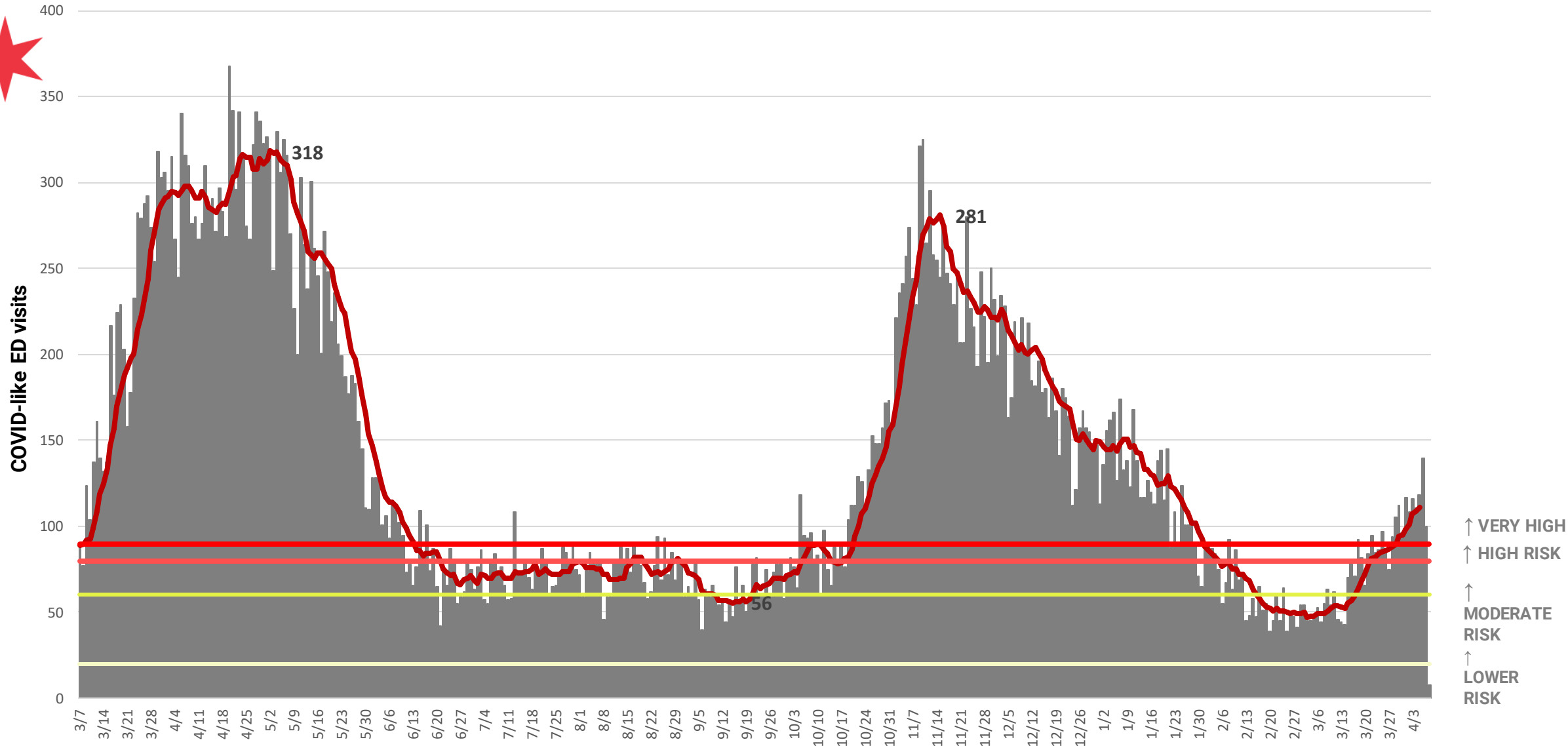
Emergency Department Visits

ED visits for COVID-like illness risk level is very high.

Date	CLI ED visit count, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
4/9/2021	120	7	5	VERY HIGH	7
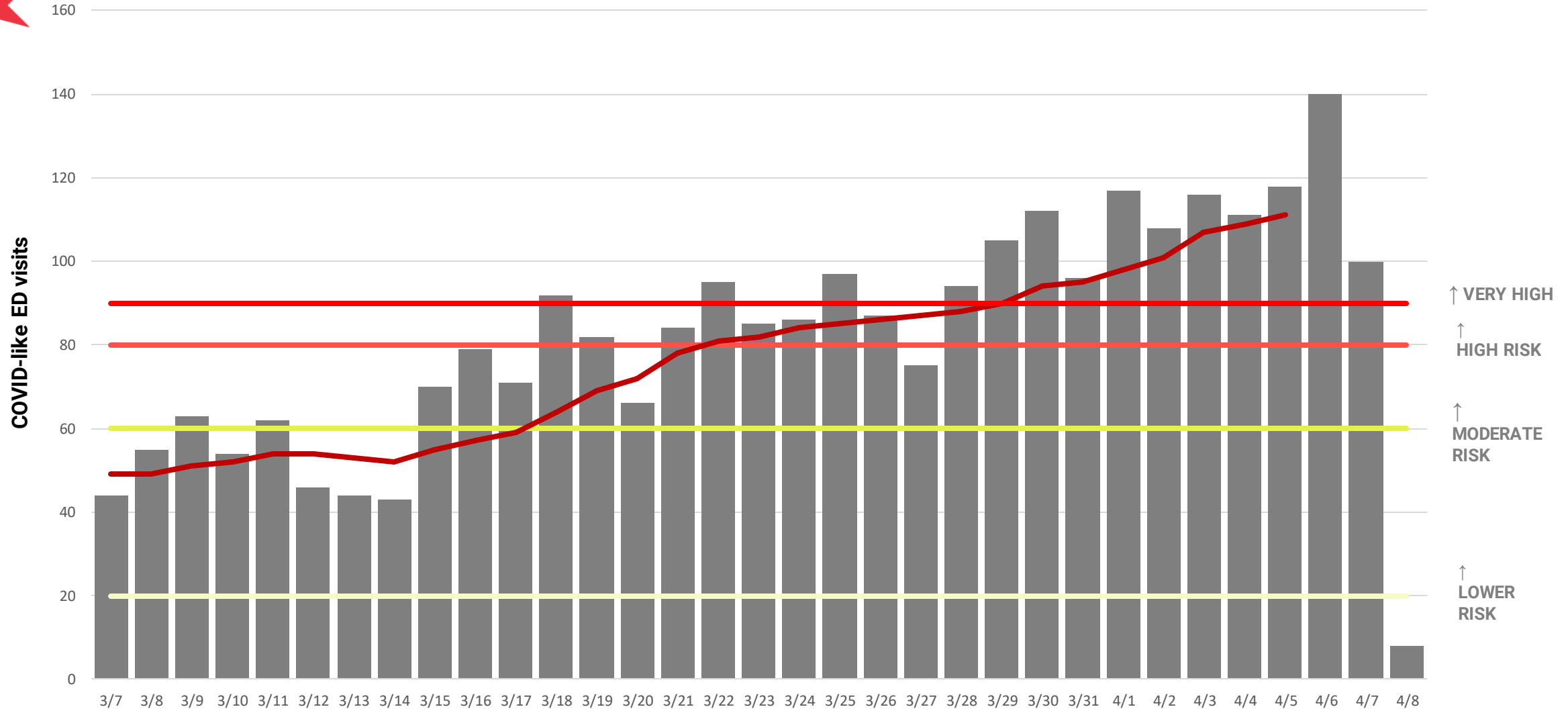
Count of all emergency department visits reported with COVID-like symptoms among Chicago residents.
Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.

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

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.
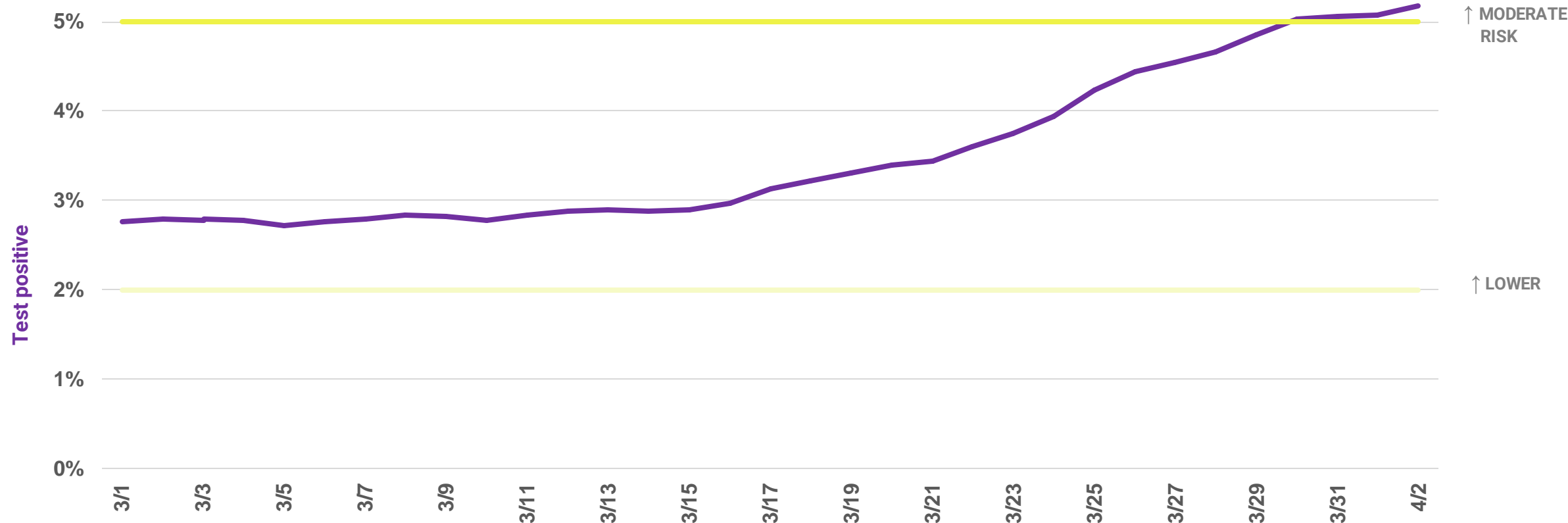
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Test Positivity

Test positivity risk level is high.

Date	Test Positivity, 7DRA	Consecutive days with 10%+ change	Consecutive days with 15%+ change	Risk level	# of days 10%+ in last week
4/9/2021	5.2%	7	7	VERY HIGH	7

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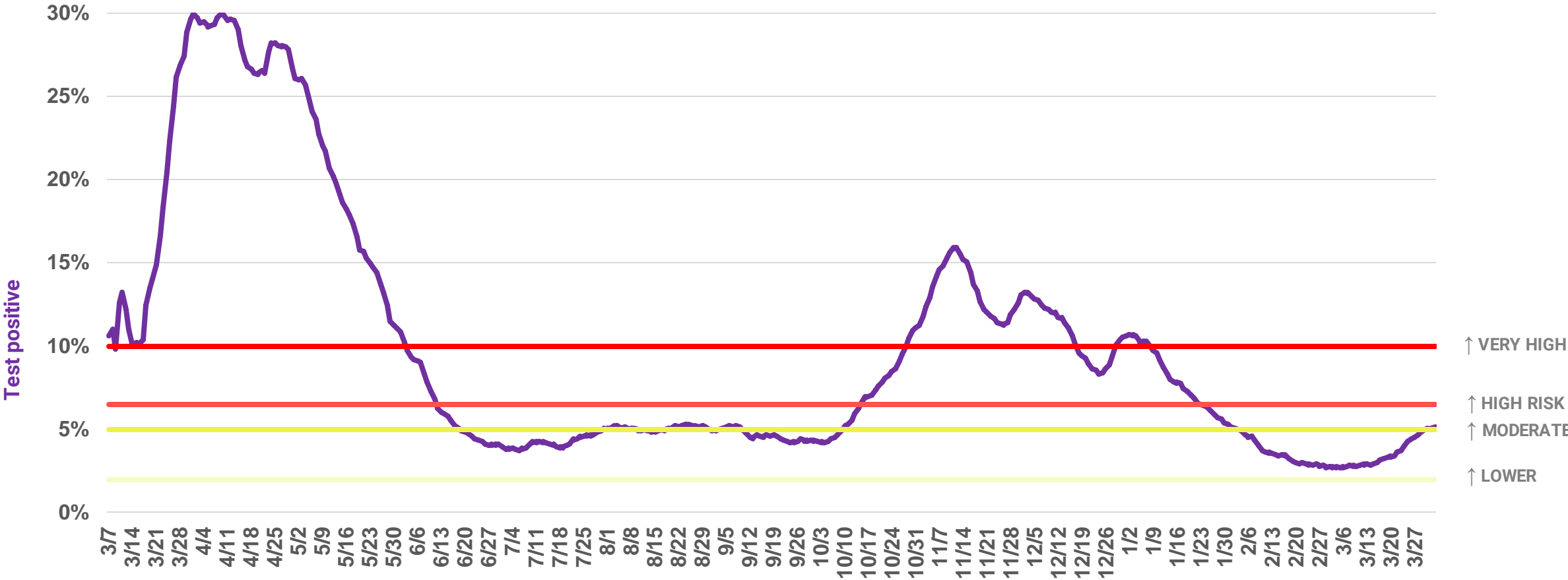

Test positivity is the number of positive tests divided by all tests performed. For the purposes of public reporting, the definition of 'tests' was expanded on 2/8/2021 to include antigen tests in addition to PCR tests. (Previous reports only described PCR tests). The new definition is applied to testing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

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Test positivity varies over time.

**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.

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Test positivity by Race-Ethnicity ((March 7 – April 3, 2021)
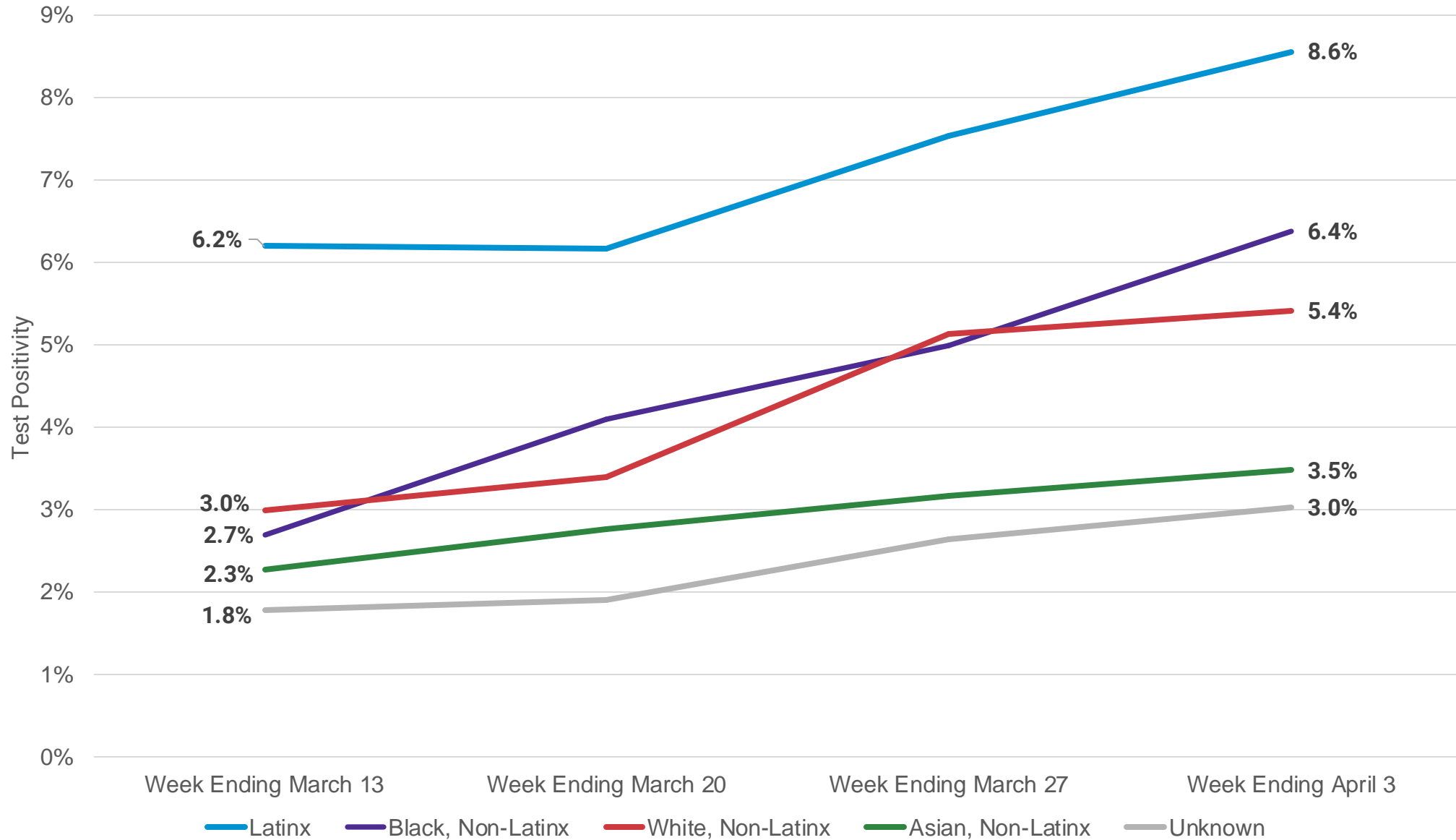
# Test positivity by Age through (March 7 – April 3, 2021)
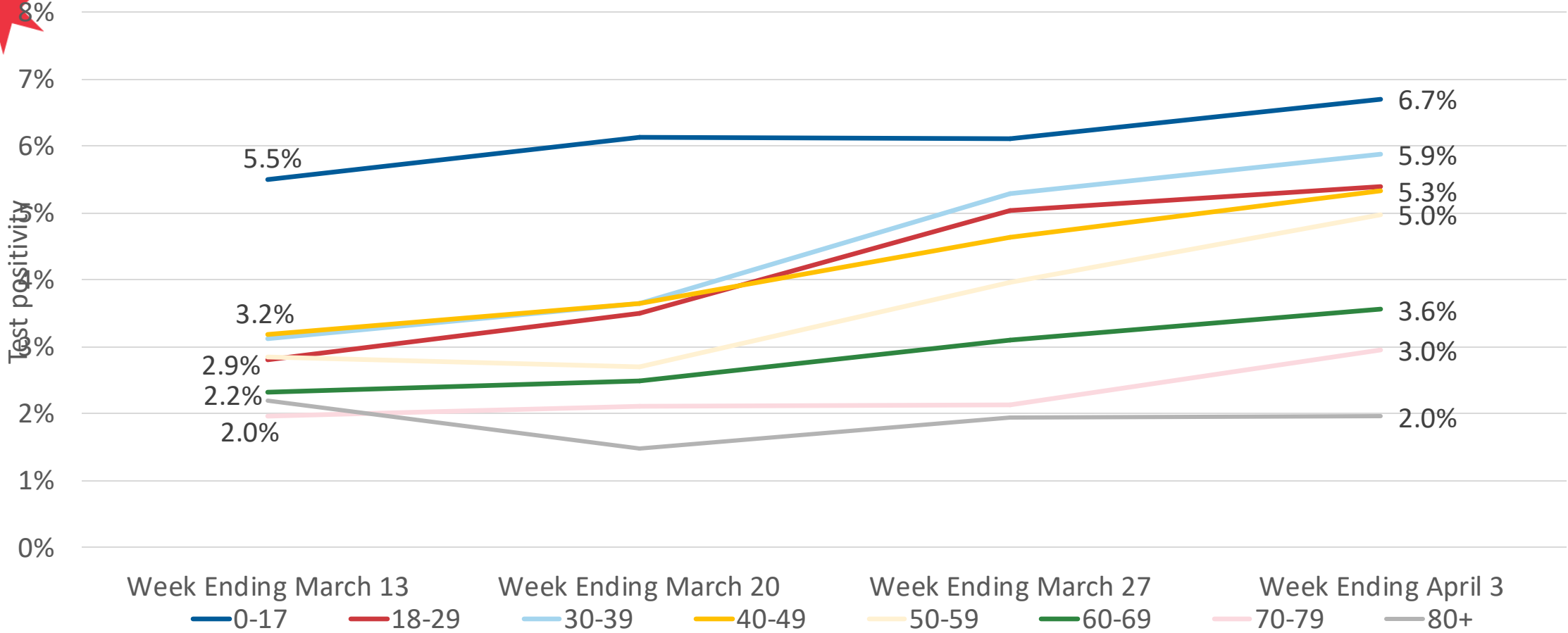
Hospital System Capacity

COVID-19 occupied ICU beds risk level is lower.

Date	ICU Beds Occupied by COVID-19, 7DRA	ICU Bed Availability, 7DRA	Risk level
4/9/2021	101	24%	MODERATE

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

↑ MODERATE RISK

↑ LOWER RISK

ICU beds occupied by COVID-19 patients

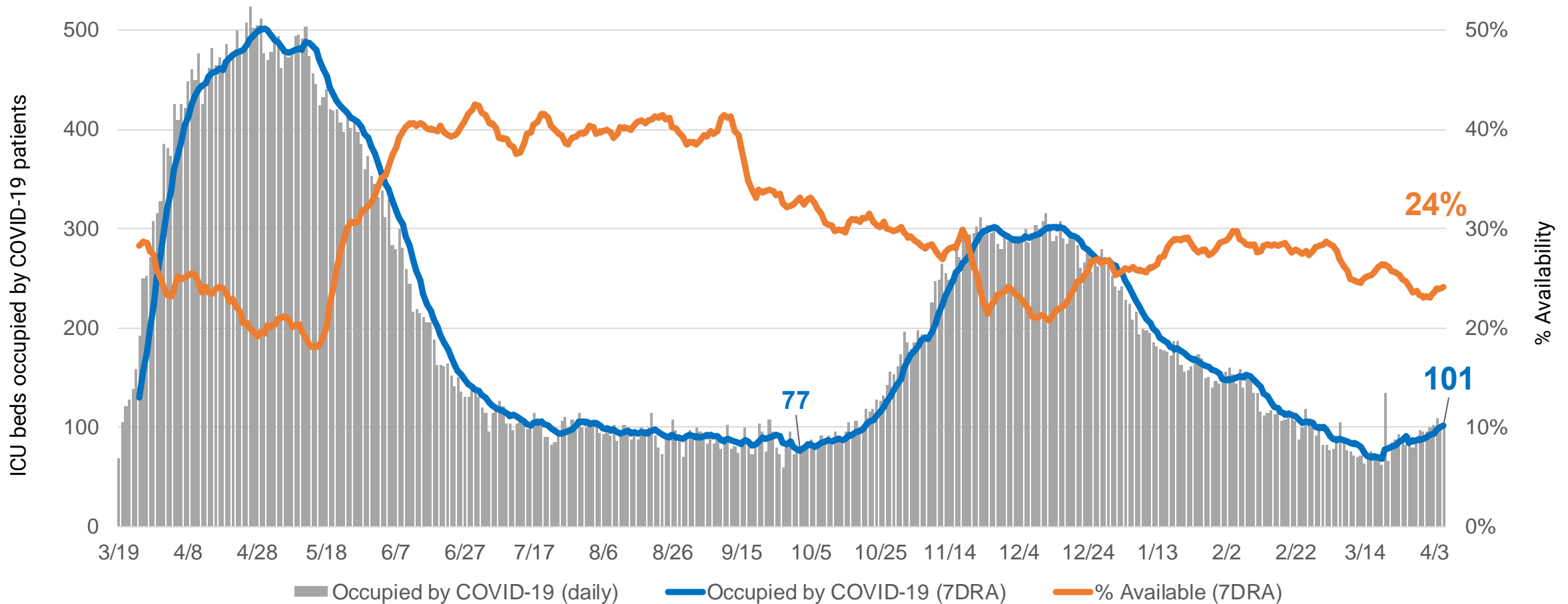Occupied by COVID-19 (daily)   Occupied by COVID-19 (7DRA)
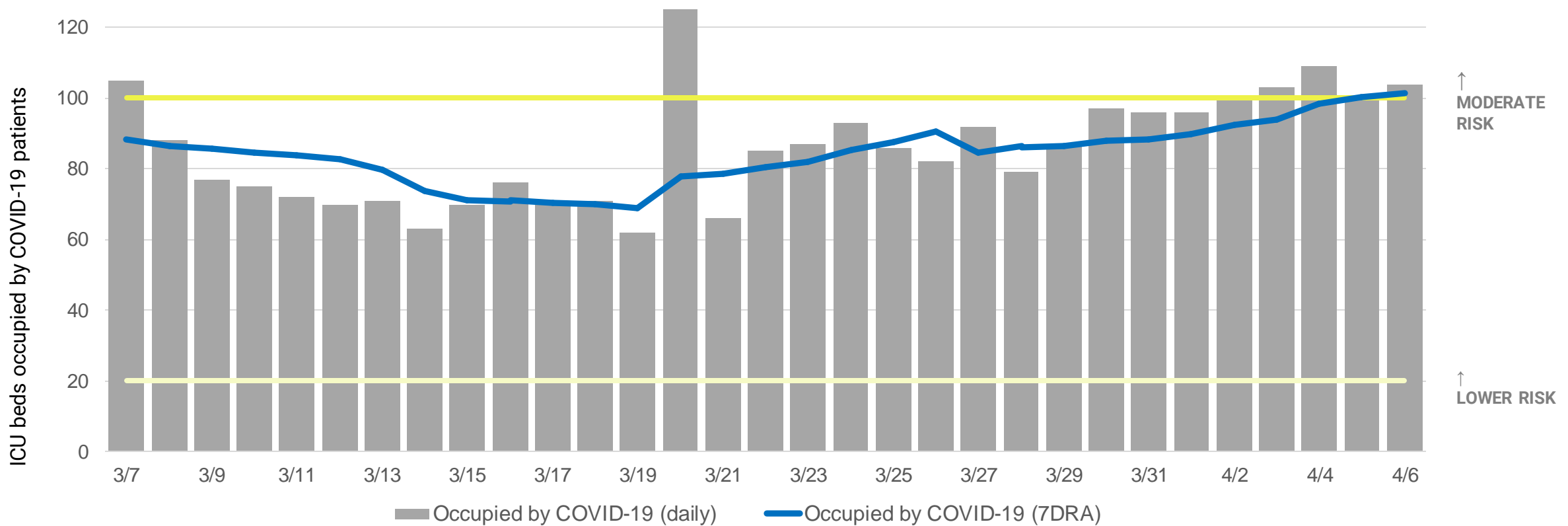
Includes all Chicago hospitals. Hospitals report daily to CDPH via EMResource, beginning March 19. ICU bed count includes all adult and pediatric ICU beds in Chicago hospitals. Includes Chicago and non-Chicago residents. Includes confirmed and suspected COVID-19 cases.

ICU availability and occupancy from COVID-19 varies.

Date	ICU Beds Occupied by COVID-19, 7DRA	ICU Bed Availability, 7DRA	Risk level
4/9/2021	101	24%	LOWER

ICU beds available and 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.