



Protecting Chicago: Phase IV Re-Opening Metrics Summary March 2020 – June 2021

July 2nd, 2021



Chicago vs. National Summary

Cumulative age-specific COVID-19 case rates, hospitalization rates, and death rates per 100,000 as of June 30th



Age group (years)	Chicago COVID-19 case rate	National COVID-19 case rate	Chicago COVID-19 hospitalization rate	National COVID-19 hospitalization rate*	Chicago COVID-19 death rate	National COVID-19 death rate
0-4	4,165	3,681	138	60	0.6	1.0
5-17	6,409	6,488	94	37	0.5	0.7
18-29	13,238	14,063	418	222	7.8	6.0
30-39	11,978	12,462	576	342	26	16
40-49	11,753	12,237	947	501	87	44
50-64	11,933	10,766	1,880	836	275	145
65-74	8,456	7,892	2,664	1,250	673	411
75-84	7,844	7,982	3,705	2,072	1,225	1,021
85+	8,783	11,679	4,841	3,005	2,503	2,929
	10,594	10,245	1,081	*	208	186

* Data from COVID-NET network (14 states) and through 6/19/21

https://gis.cdc.gov/grasp/COVIDNet/COVID19_3.html

All CDC data provisional; no final demographic data has been released

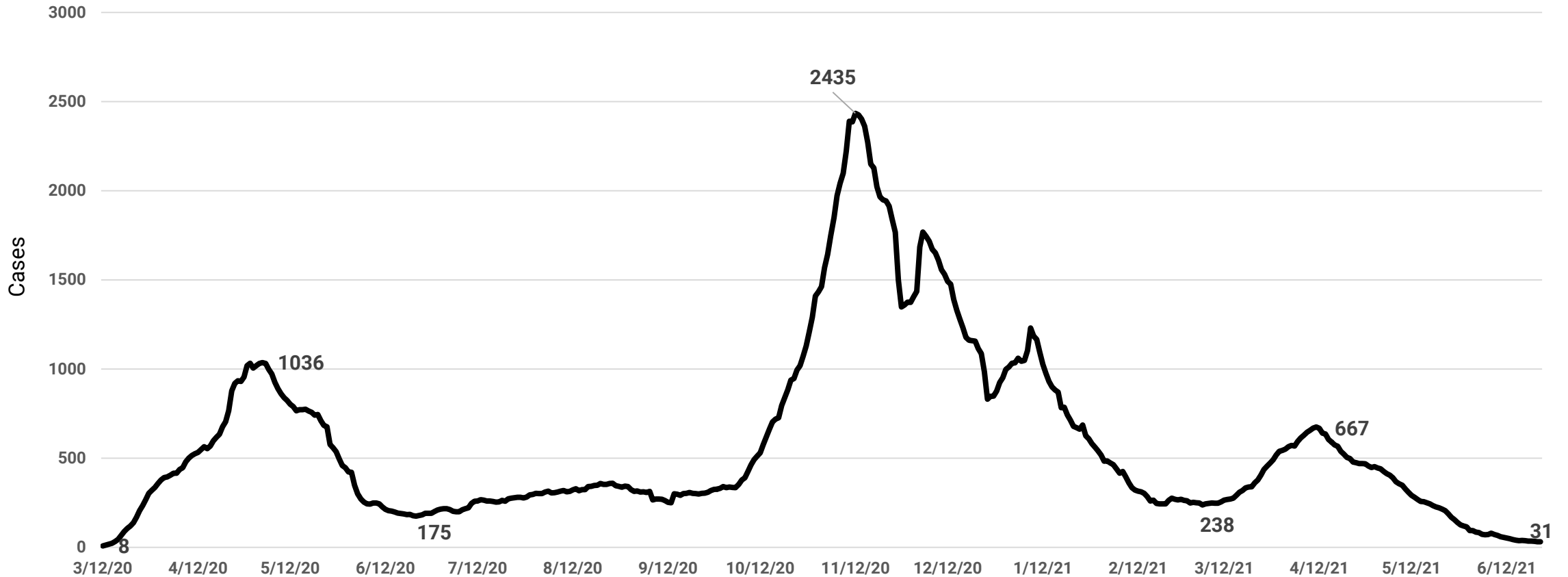


Diagnosed Cases

Daily COVID-19 cases since March 2020: <20 considered controlled; >400 high transmission threshold



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

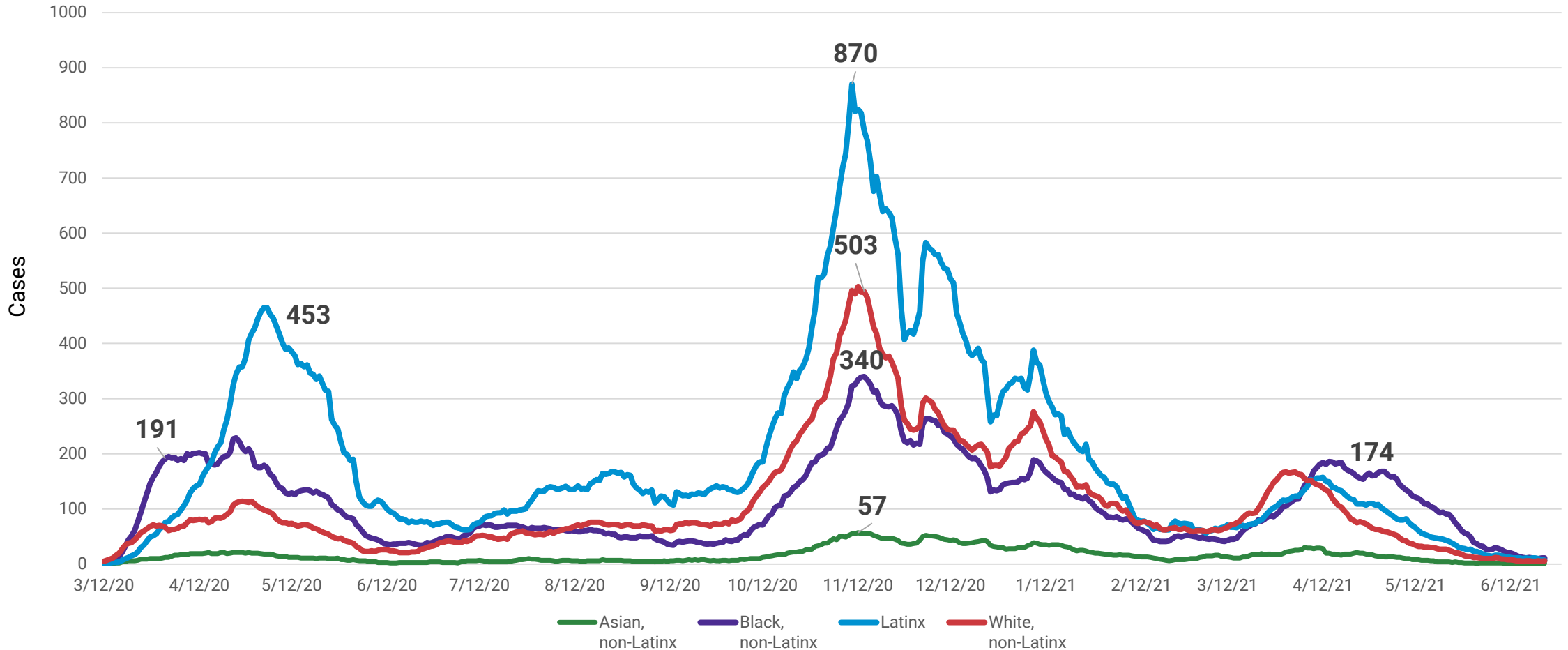


Daily COVID-19 cases with known specimen report date and race/ethnicity information. Case is defined as positive result on PCR or antigen test. This case definition was applied to the entire epidemic beginning on 2/8/2021 therefore these results are different from results reported prior. Source: INEDSS.

Daily COVID-19 cases by race/ethnicity: Blacks rarely exceeded 200 cases per day – but disproportionate severe outcomes



COVID-19 Cases, on Specimen Date, by Race/Ethnicity, 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.

Cumulative age-specific COVID-19 **case rates** per 100,000 by race/ethnicity as of June 30th



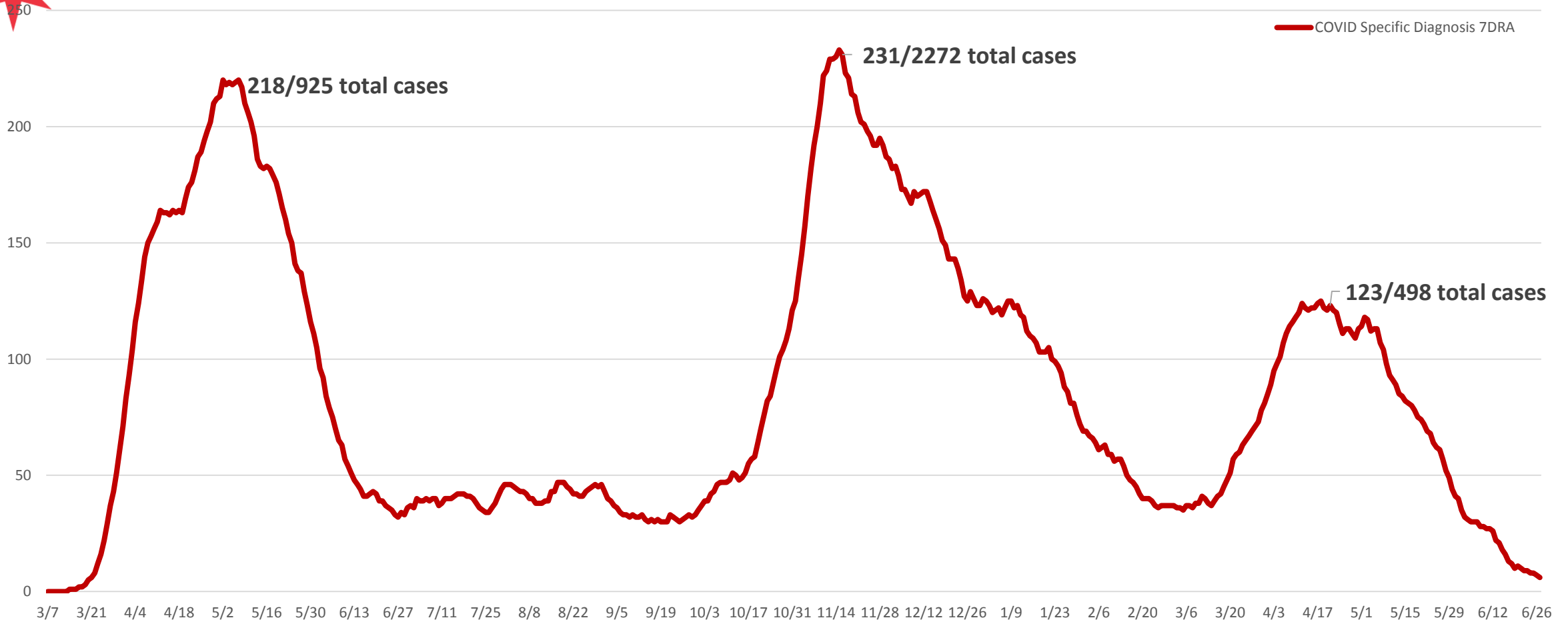
Age group (years)	Latinx cases	Latinx case rate	Black, NL cases	Black, NL case rate	White, NL cases	White, NL case rate	Asian, NL cases	Asian, NL case rate	Chicago cases	Chicago case rate
0-29	14,077	3,858.2	4,849	1,548.3	4,134	1,349.7	623	891.0	31,948	2,952.1
30-44	48,990	27,697.2	24,506	16,419.8	31,071	12,065.9	4,336	8,129.6	149,138	23,106.8
45-64	24,890	15,222.2	16,225	8,362.2	12,959	6,394.1	1,847	4,773.7	74,166	12,285.5
65+	7,129	10,035.3	8,806	6,990.7	7,023	5,184.5	1,106	4,103.1	30,165	8,318.4
Total	95,086	12,248.8	54,386	6,950.9	55,187	6,118.7	7,912	4,188.4	285,417	10,594.7



Emergency Department Visits

Daily COVID diagnosis ED visits represented more total diagnoses early in epidemic and after vax campaign

COVID Specific Diagnosis 7DRA



COVID specific diagnosis includes only emergency department patients that have been diagnosed with COVID-19.
CLI includes emergency department visits that have been diagnosed with COVID-19 and patients with COVID like symptoms.
Data Source: Illinois Hospital Emergency Departments reporting to CDPH through the National Syndromic Surveillance Project.



Hospital admissions

Daily COVID-19 hospital admissions peaked on 4/7/2020 and are currently the lowest ever.



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

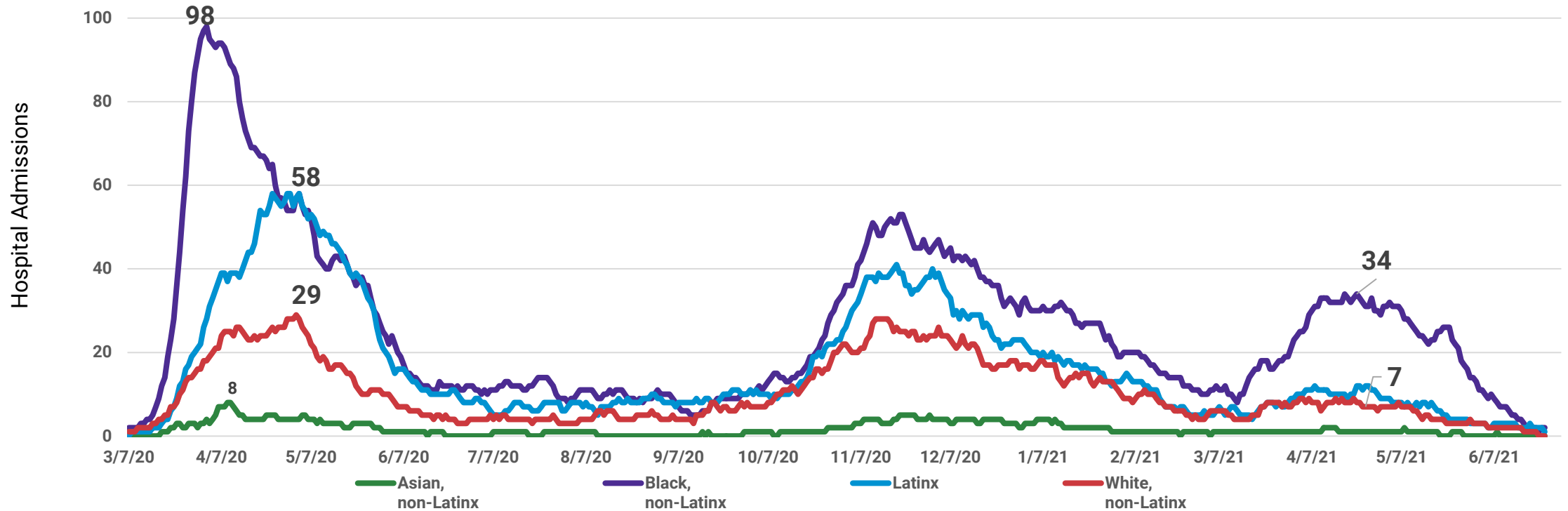


Hospitalizations are reported to CDPH by hospitals into I-NEDSS and ESSENCE and self-reported by patients via an online survey. Daily counts for most recent dates displayed are likely incomplete. Cases who are not indicated to have been hospitalized across any of the three data sources are assumed to 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.

Daily COVID-19 hospital admissions by RE: Blacks led in admissions almost entire outbreak. Black:White disparity highest in mid-April



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.

Cumulative age-specific COVID-19 hospitalization rates per 100,000 by race/ethnicity as of June 30th



Age group (years)	Latinx hosp.	Latinx hosp. rate	Black, NL hosp.	Black, NL hosp. rate	White, NL hosp.	White, NL hosp. rate	Asian, NL hosp.	Asian, NL hosp. rate	Chicago hosp.	Chicago hosp. rate
0-29	228	62.5	245	78.2	60	19.6	16	22.9	597	55.2
30-44	2,296	1,298.1	2,585	1,732.0	832	323.1	127	238.1	6,490	1,005.5
45-64	3,019	1,846.4	4,552	2,346.1	1,460	720.4	247	638.4	10,208	1,690.9
65+	2,551	3,591.0	5,173	4,106.6	2,788	2,058.1	444	1,647.2	11,817	3,258.7
Total	8,094	1,042.7	12,555	1,604.6	5,140	569.9	834	441.5	29,112	1,080.6



Deaths

Cumulative COVID-19 deaths peaked on 5/9/2020 and are currently the lowest ever



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

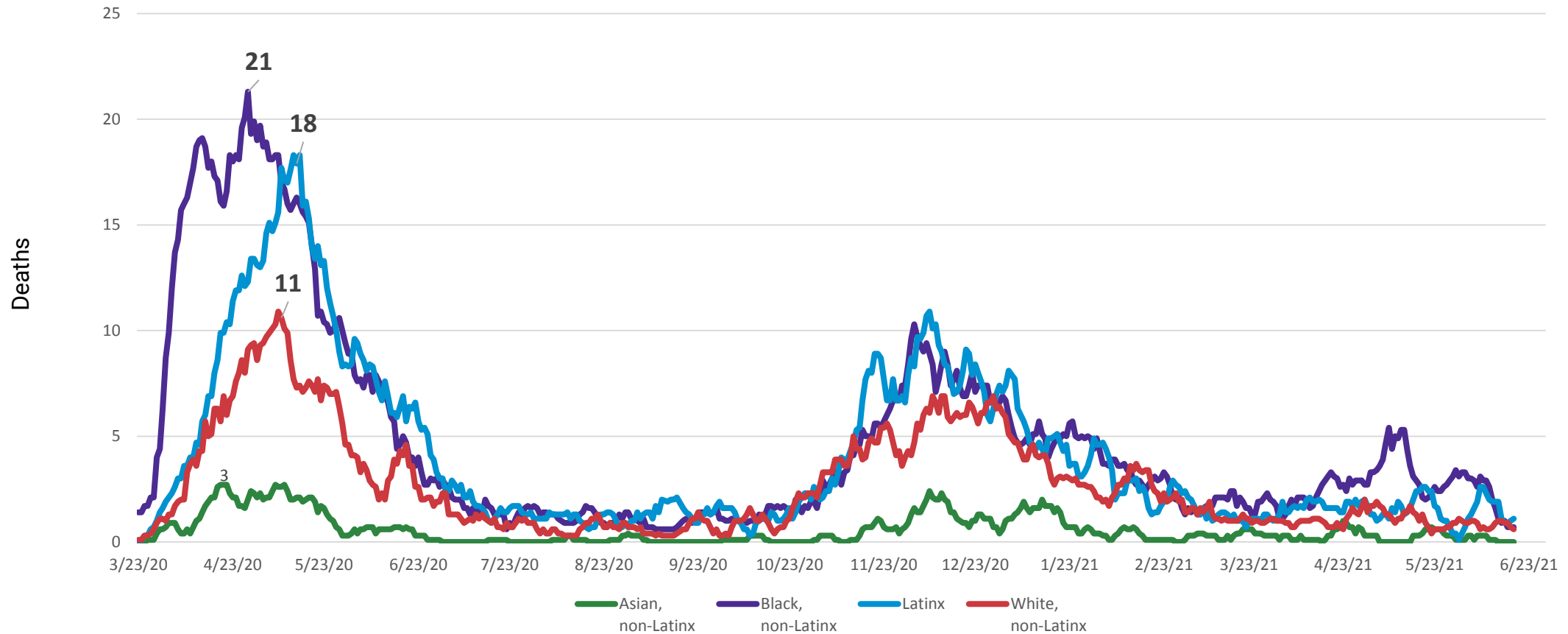


Daily COVID-19 deaths reported for Chicago residents with known death date. Data source: INEDSS. A five day lag is imposed to reduce inaccuracy created by reporting delays.

Daily COVID-19 deaths are now averaging 1 or less for all race/ethnicity groups.



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.

Cumulative age-specific COVID-19 **death rates** per 100,000 by race/ethnicity as of June 30th



Age group (years)	Latinx cases	Latinx case rate	Black, NL cases	Black, NL case rate	White, NL cases	White, NL case rate	Asian, NL cases	Asian, NL case rate	Chicago cases	Chicago case rate
0-29	1	0.3	2	0.6	0	0.0	0	0.0	3	0.3
30-44	140	79.2	120	80.4	13	5.0	10	18.7	285	44.2
45-64	653	399.4	541	278.8	164	80.9	38	98.2	1,407	233.1
65+	1,059	1,490.7	1,550	1,230.5	1,047	772.9	210	779.1	3,904	1,076.6
Total	1,853	238.7	2,213	282.8	1,224	135.7	258	136.6	5,599	207.8