

Past Week Status

	Th 7/21	W 7/20	Tu 7/19	M 7/18	Su 7/17	Sa 7/16	F 7/15
Daily new cases	8,691	6,450	4,327	3,943*	7,403*	7,503	8,954
Daily deaths	18	18	12	4*	6*	19	16
Daily hospitalizations of confirmed cases	1,329	1,328	1,299	1,273	1,282	1,252	1,223
Daily positivity rate (7-day avg) ^	16.4%	16.0%	15.7%	15.8%	15.6%	15.7%	15.8%
Daily case rate (7-day avg)**	66	66	66	67	67	65	66



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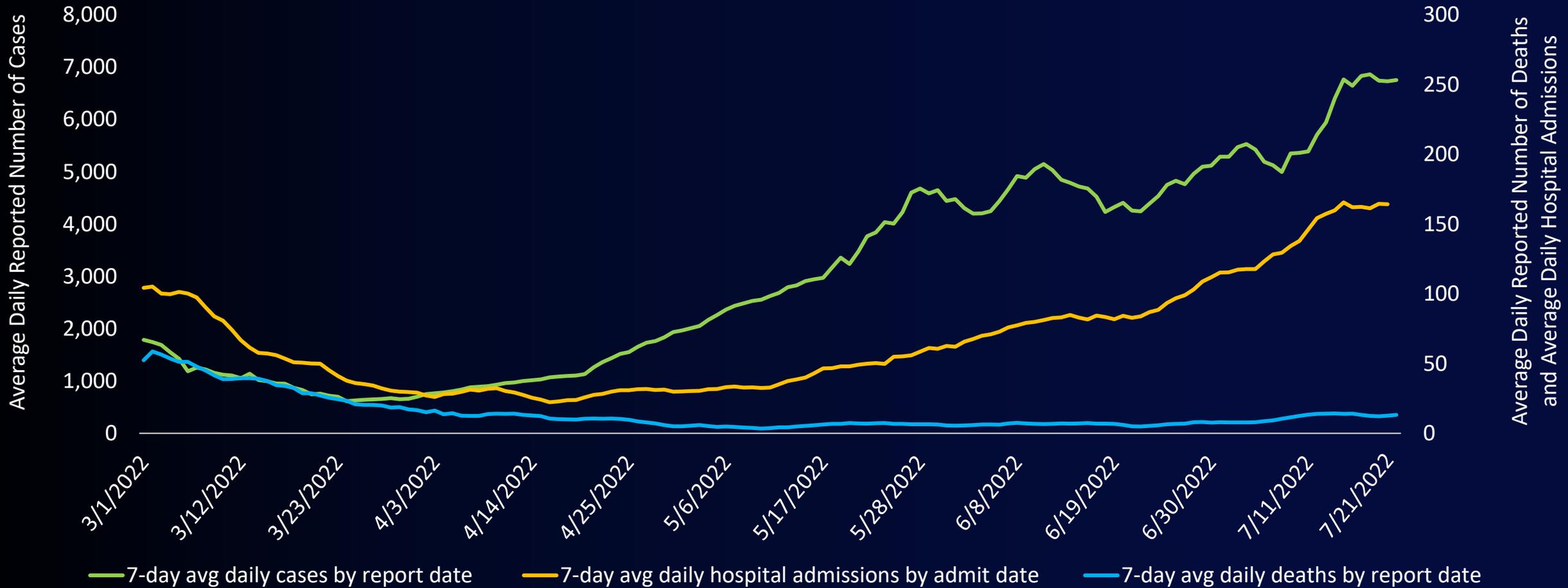
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*Number reflects an undercount due to a lag from weekend reporting.

^ Daily positivity rates do not include data from Long Beach and Pasadena

** Rate is per 100,000 residents

7-Day Average Daily COVID-19 Cases and Deaths by Report Date* and Daily Hospital Admissions by Admit Date March 1, 2022 – July 21, 2022

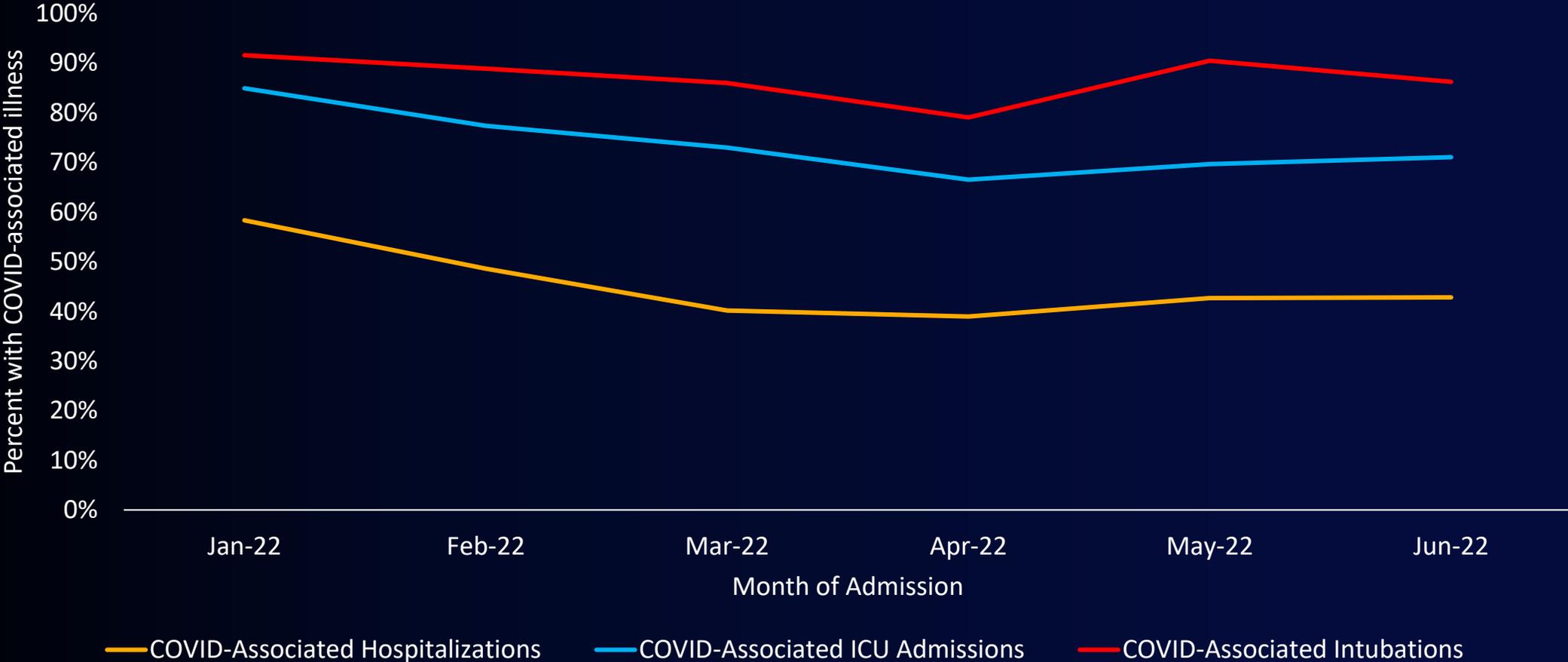


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*Case and death values include data from Long Beach and Pasadena.

Percent of Hospitalizations, ICU Admissions, and Intubations with COVID-Associated Illness* by Month of Admission

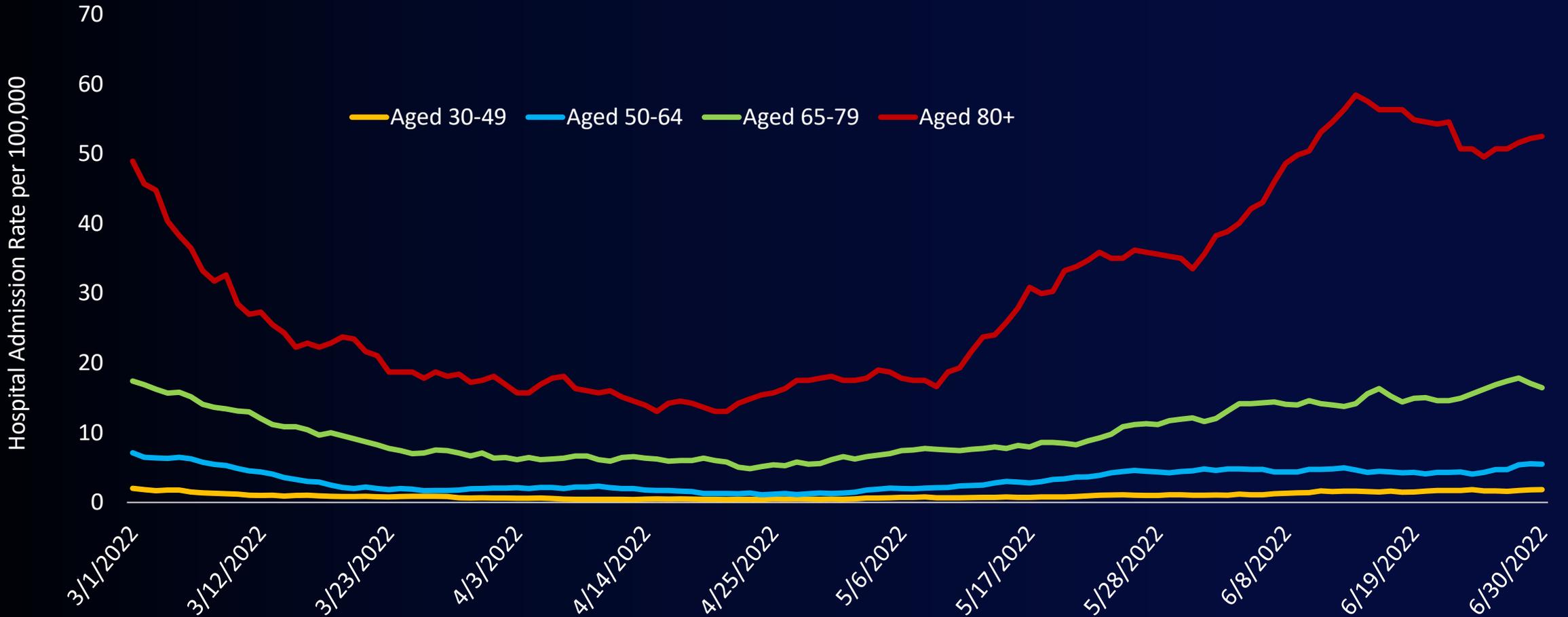


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*COVID-associated illness is determined by ICD-10 diagnosis codes assigned to a patient upon discharge. A national standard definition for COVID-associated illness has not been developed; caution should be applied when comparing these estimates to estimates from other jurisdictions which may use different methods.

14-Day Cumulative Age-Adjusted Hospital Admission Rate by Age Category – Hospitalizations with COVID-Associated Illness Only March 1, 2022 – June 30, 2022



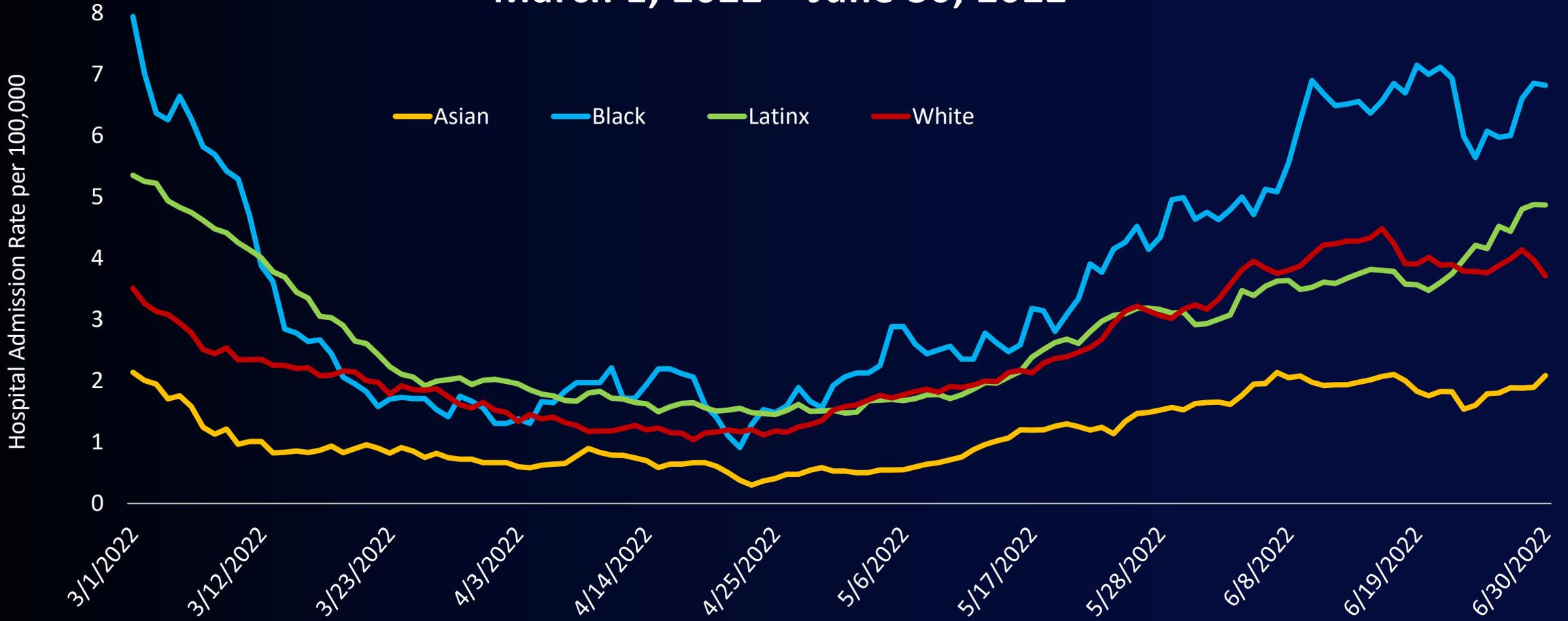
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Rates are calculated using only the first COVID-associated admission per case and are therefore likely an underestimate of the true rate. Some rates for the 30-49 and 50-64 age groups are unstable for parts of March-May

14-Day Cumulative Age-Adjusted Hospital Admission Rate by Race – Hospitalizations with COVID-Associated Illness Only

March 1, 2022 – June 30, 2022



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Rates are calculated using only the first COVID-associated admission per case and are therefore likely an underestimate of the true rate. Some rates Asian and Black individuals are unstable for parts of March-May

14-Day Cumulative Age-Adjusted Hospital Admission Rate by Area Poverty Level – Hospitalizations with COVID-Associated Illness Only March 1, 2022 – June 30, 2022



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Rates are calculated using only the first COVID-associated admission per case and are therefore likely an underestimate of the true rate.

CDC COVID-19 Community Levels

New Cases (per 100,000 people in last 7 days)	Indicators	Low	Medium	High	LA County Current Values <u>New Cases:</u> 481/100,000 (as of 7/20/22)
Fewer than 200	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥20.0	NA
	Proportion of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥15.0%	NA
200 or more	New COVID-19 admissions per 100,000 population (7-day total)	NA	<10.0	≥10.0	11.4
	Proportion of staffed inpatient beds occupied by COVID-19 patients (7-day average)	NA	<10.0%	≥10.0%	7.1%

The COVID-19 community level is determined by the higher of the inpatient beds and new admissions indicators, based on the current level of new cases per 100,000 population in the past 7 days.



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LA County Early Alert Signals

Indicator	Thresholds			LA County Current Values
	Low Concern	Medium Concern	High Concern	
Percent of specimens sequenced that are identified as a new variant of concern (including subvariants) (based on WHO designation) ¹ <i>Currently tracking: BA.4 and BA.5 combined</i>	< 10%	10%-20%	> 20%	72%
7-day average percent of Emergency Department encounters classified as coronavirus-related ²	< 5%	5%-10%	> 10%	10%
7-day cumulative age-adjusted case rate for the lowest income areas (30-100% area poverty) ²	< 100 per 100,000	100-200 per 100,000	> 200 per 100,000	351 per 100,000
Number of sewer systems with a two-fold or greater increase in wastewater SARS-CoV-2 concentration ³	0	1-2	≥ 3	0
Number of new outbreaks in skilled nursing facilities in past 7 days ⁴	≤ 10	11-20	> 20	33
Number of new outbreaks in TK-12 school classrooms in past 7 days	≤ 7	8-14	≥ 15	N/A
Number of new outbreaks in PEH settings in past 7 days ⁴	≤ 10	11-20	> 20	19
Number of worksite cluster reports in past 7 days ⁴	< 100	100-300	> 300	429

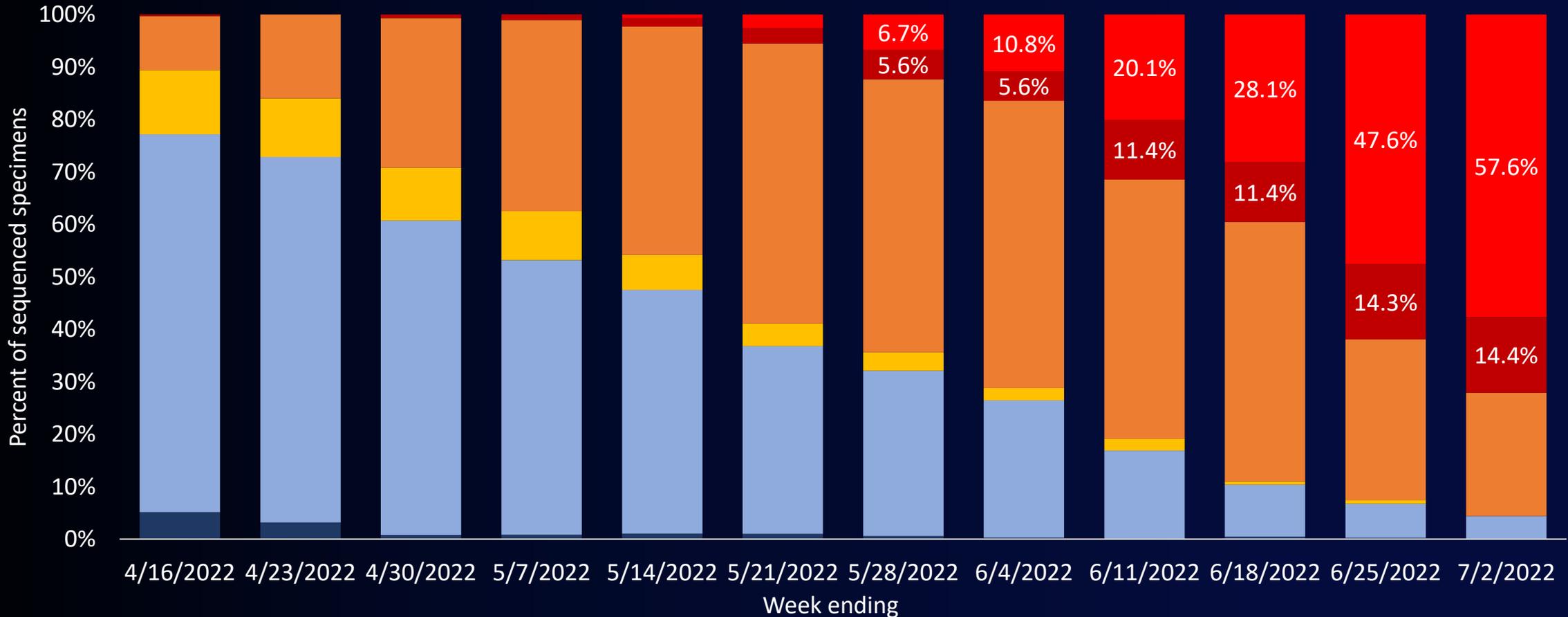


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- 1 Current 7-day period is 6/26/22 – 7/2/22
- 2 Current 7-day period is 7/11/22 – 7/17/22
- 3 Current 10-day period is 7/10/22 – 7/19/22
- 4 Current 7-day period is 7/13/22 – 7/19/22

SARS-CoV-2 Variants as a Percentage of All Specimens Sequenced for Baseline Variant Surveillance



■ All other Omicron
 ■ Omicron BA.2 (Excludes BA.2.3 and BA.2.12.1)
 ■ Omicron BA.2.3
 ■ Omicron BA.2.12.1
 ■ Omicron BA.4
 ■ Omicron BA.5

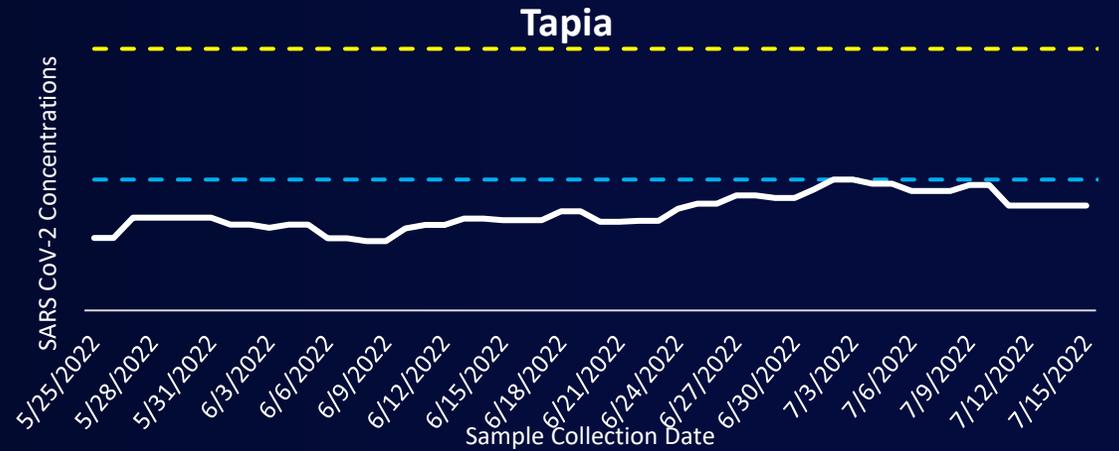
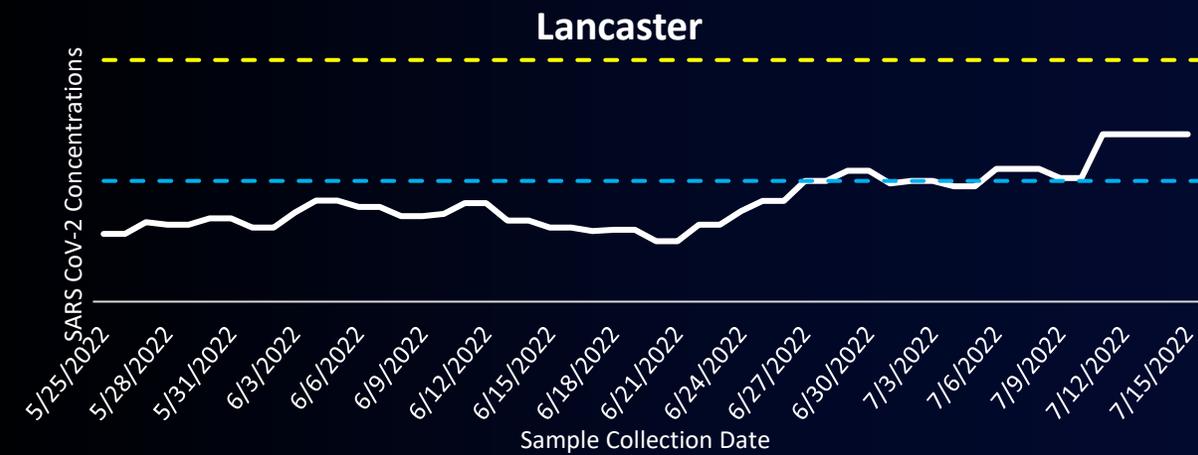
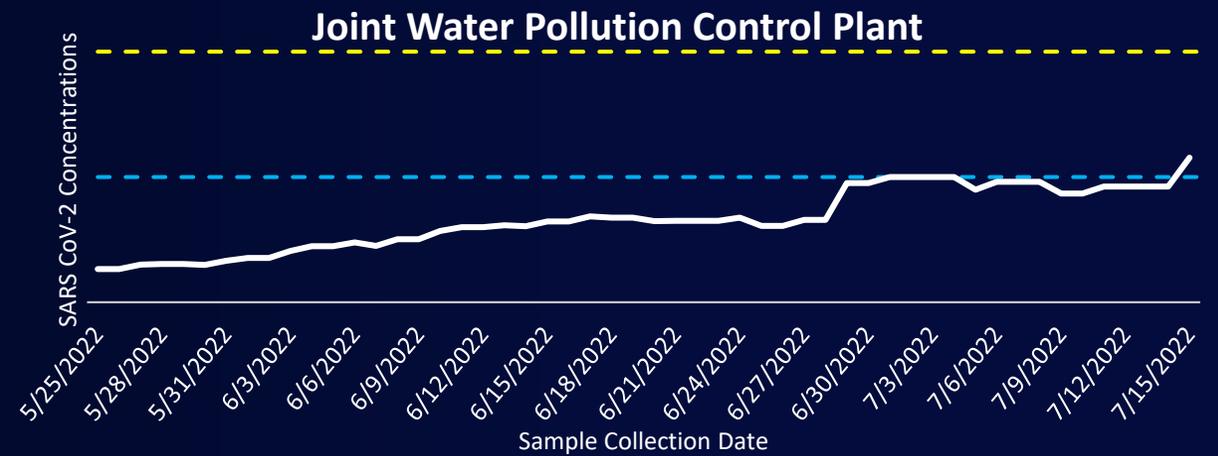
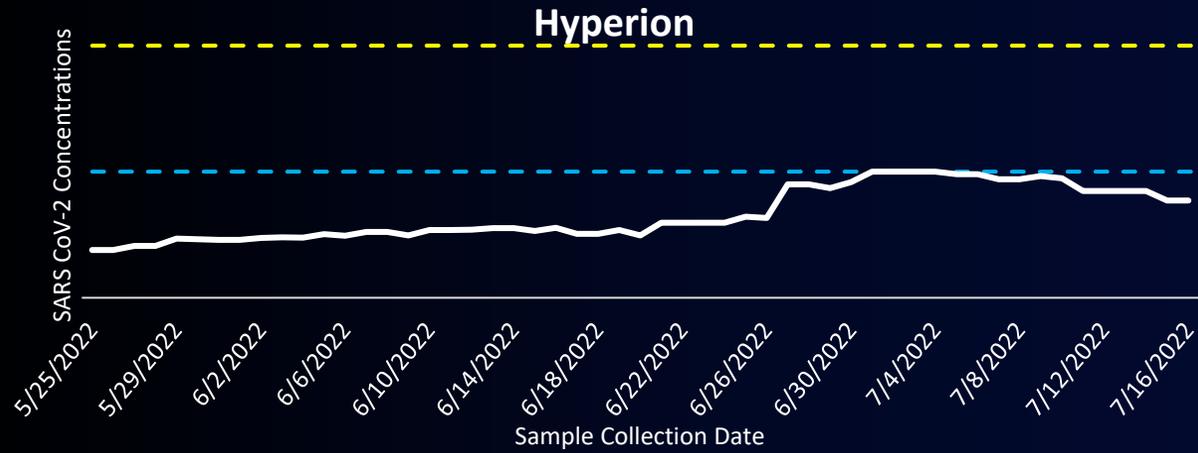


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*Includes descendant lineages (sub-lineages)

SARS-CoV-2 Wastewater Concentration at Four Sewersheds in LA County



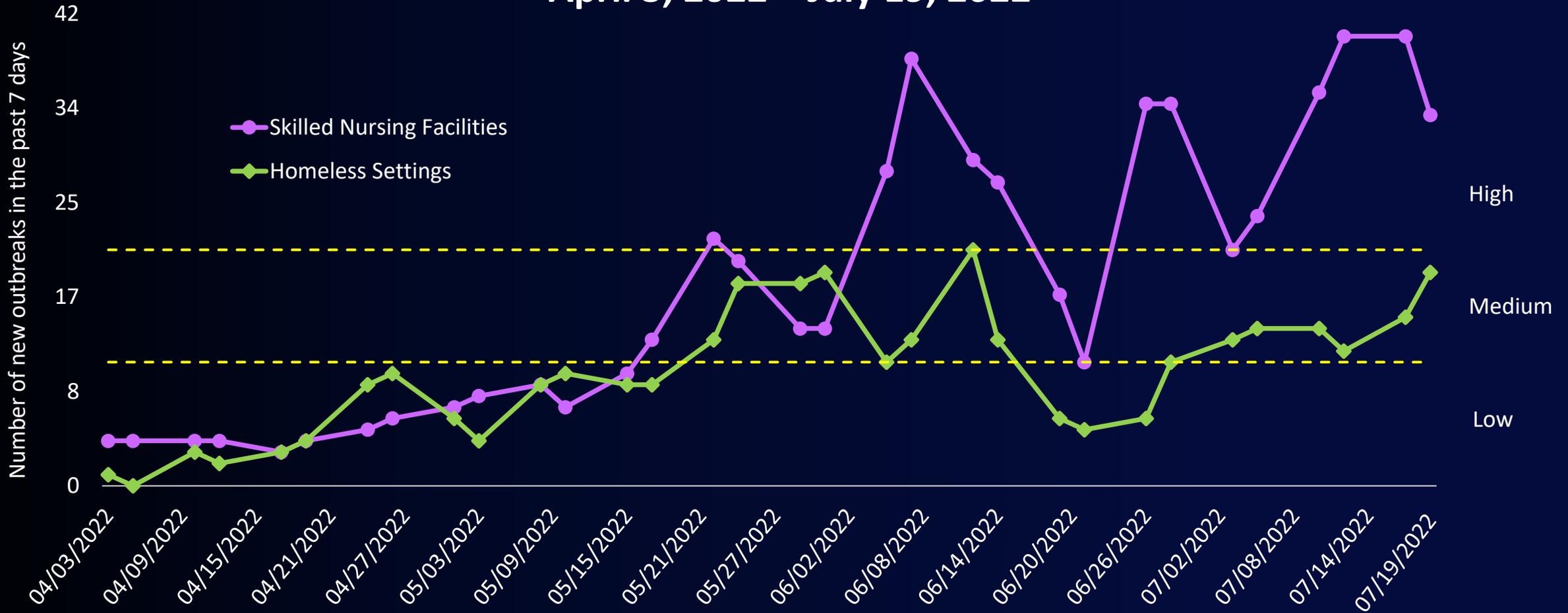
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New Outbreaks in Skilled Nursing Facilities and Homeless Settings in the Past 7 Days

April 3, 2022 – July 19, 2022

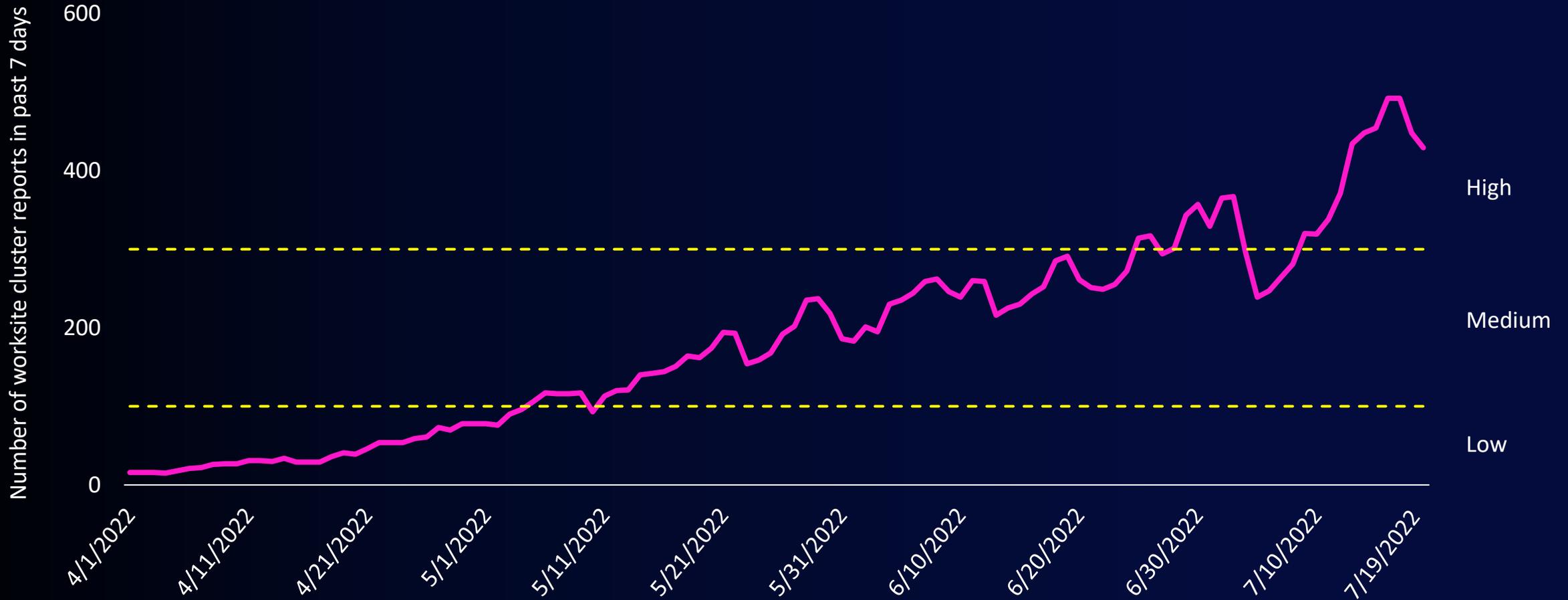


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New Worksite Cluster Reports* in Past 7 Days

April 1, 2022 – July 19, 2022



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*Worksite clusters are 3 or more cases within 14 days as reported by an employer. Worksite clusters can represent outbreaks or non-outbreaks and, if there are additional cases, can be multiple reports of the same site.

Why high rates of COVID-19 transmission matter



1. Disruption for worksites and families

- **Doubling** of percent of visits to Emergency Depts that are for COVID over the last 2 months
- Short staffing
- ↑ risk of bringing virus home from work to family
- Lost wages & difficulty isolating when sick



2. Preventable Deaths

- Nearly 4,500 deaths in LA County so far in 2022
- Unacceptable for an infectious disease if we can lower risk



3. Long COVID

- Fatigue, reduced exercise capacity, breathing problems, brain fog, loss of taste and smell, sudden hair loss lasting months¹
- 37% of cases had some symptoms 1 month later²
- 23% of cases still had symptoms at 12 weeks. More likely if obese, or had hair loss, headache, or sore throat³
- Only 23% had no symptoms one year later⁴



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1-Abrantes TF et al. *J Am Acad Dermatol* 2021; 85 (4): 975-976

2-Chen C et al. *J Infect Dis* 2022; Apr 16: DOI: 10.1093/infdis/jiac136

3- Wu Q et al. *Sci Rep* 2022; 12: 11647

4- Seeßle J et al. *Clin Infect Dis* 2022 74 (7): 7, 1191–1198.

Why high rates of COVID-19 transmission matter

4. Reinfections – impact on health¹



- New preprint – 2020-2021 data, veterans, mostly white men, avg age early 60s
- At 6 month after infection, those infected more than once had:
 - 2x higher risk of dying
 - 3x higher risk of needing hospital care
 - 2.5x higher risk of developing heart or lung disease, or problems with blood vessels and blood clotting.....compared to those infected just once.
- Risk of a long-term health problem 6 months after infection was 3x higher for those infected three times, compared to uninfected.



5. Increased risk of new viral mutations that escape immunity protection

- High transmission and replication increases opportunity for emergence of new variants



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Reduce Spread of Infection with Omicron BA.5

Prevent worst outcomes



Get vaccinated & boosted
Get therapeutics if sick



At Home



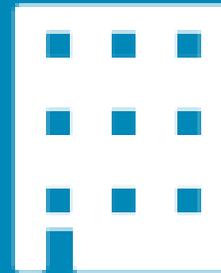
Test if sick/exposed
Test before gatherings, travel
Isolate if sick
Gatherings—host outdoors if possible, ventilate & mask indoors
Mask if vulnerable/around vulnerable

At Indoor Public Settings



Mask indoors
Distance when eating indoors
Choose venues with good ventilation
Sit near windows, open doors
Hand hygiene

At Work



Maximize ventilation
Conduct daily symptom screening
Provide masks, mask indoors
Cases -> stay home to isolate
Exposures -> mask, test, monitor
Report if 3 or more cases in 14 days



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ph.lacounty.gov/reducerisk
ph.lacounty.gov/covidmedicines
ph.lacounty.gov/COVIDbusiness