



COVID-19 in Pediatrics

11/23/2021



Los Angeles County Data

Dr. Ferrer's Press Briefing



<http://publichealth.lacounty.gov/media/Coronavirus/media-briefings.htm>

Current Status

Deaths Reported Today	26
Total Deaths	26,949
Cases Reported Today	1,088
Total Cases	1,515,324
Total People Tested	9,292,712
Daily Test Positivity Rate	1.1%
7-Day Daily Average Case Rate*	8.7
7-Day Cumulative Case Rate (per CDC)	81
Currently Hospitalized	616

*As of 11/15/21

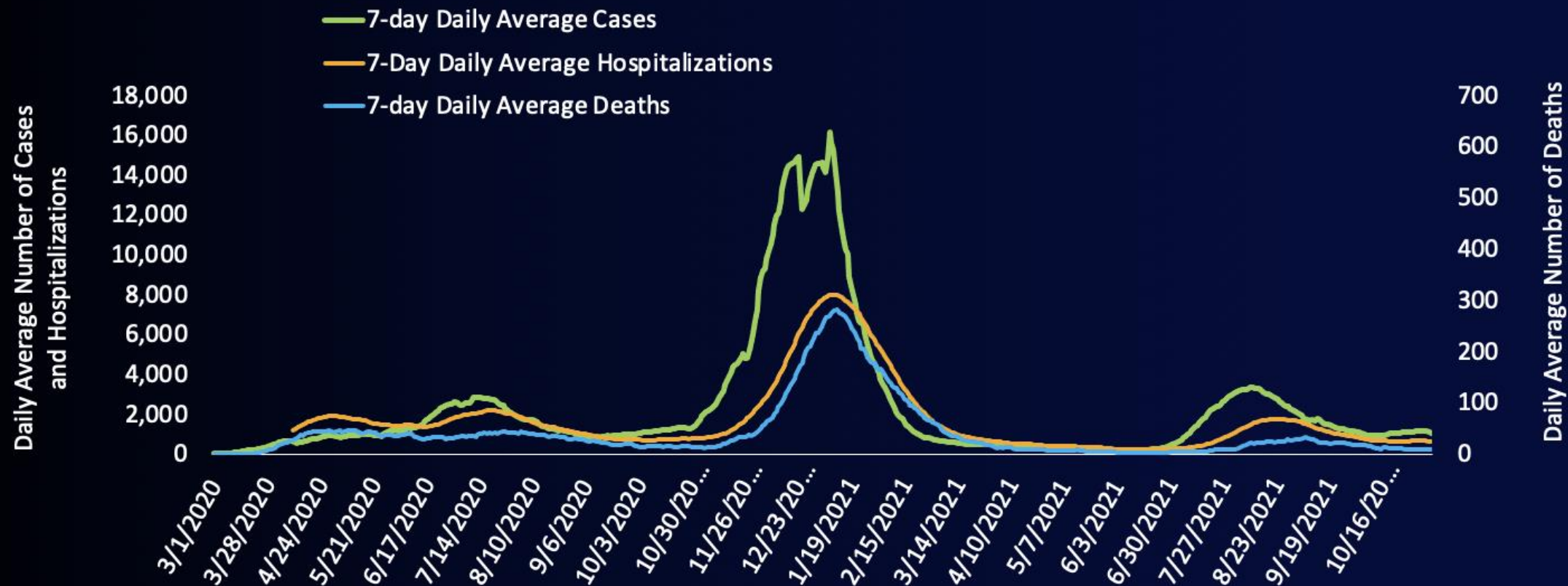


covid19.lacounty.gov

11/18/2021

Daily Average COVID-19 Cases by Episode Date, Hospitalizations, and Deaths by Date of Death

March 1st, 2020 – November 10th, 2021

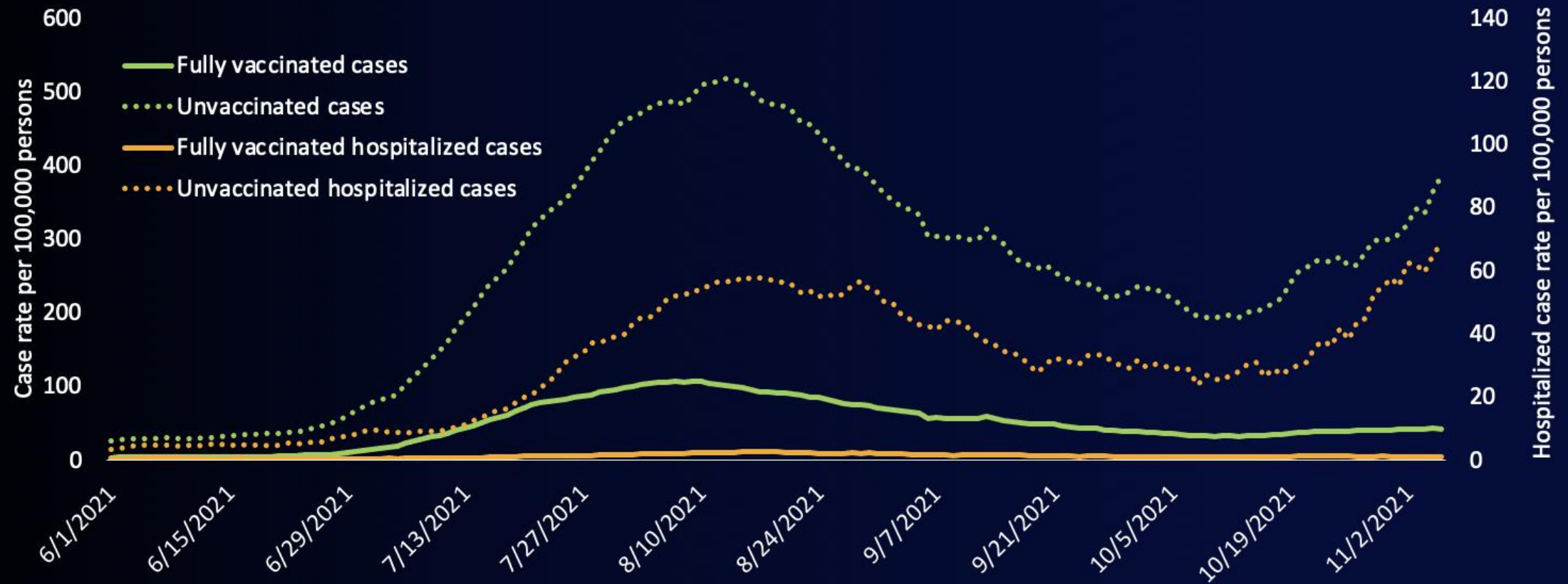


covid19.lacounty.gov

11/18/2021

7-Day Cumulative Age-Adjusted Rates by Vaccination Status*

June 1st - November 6th, 2021



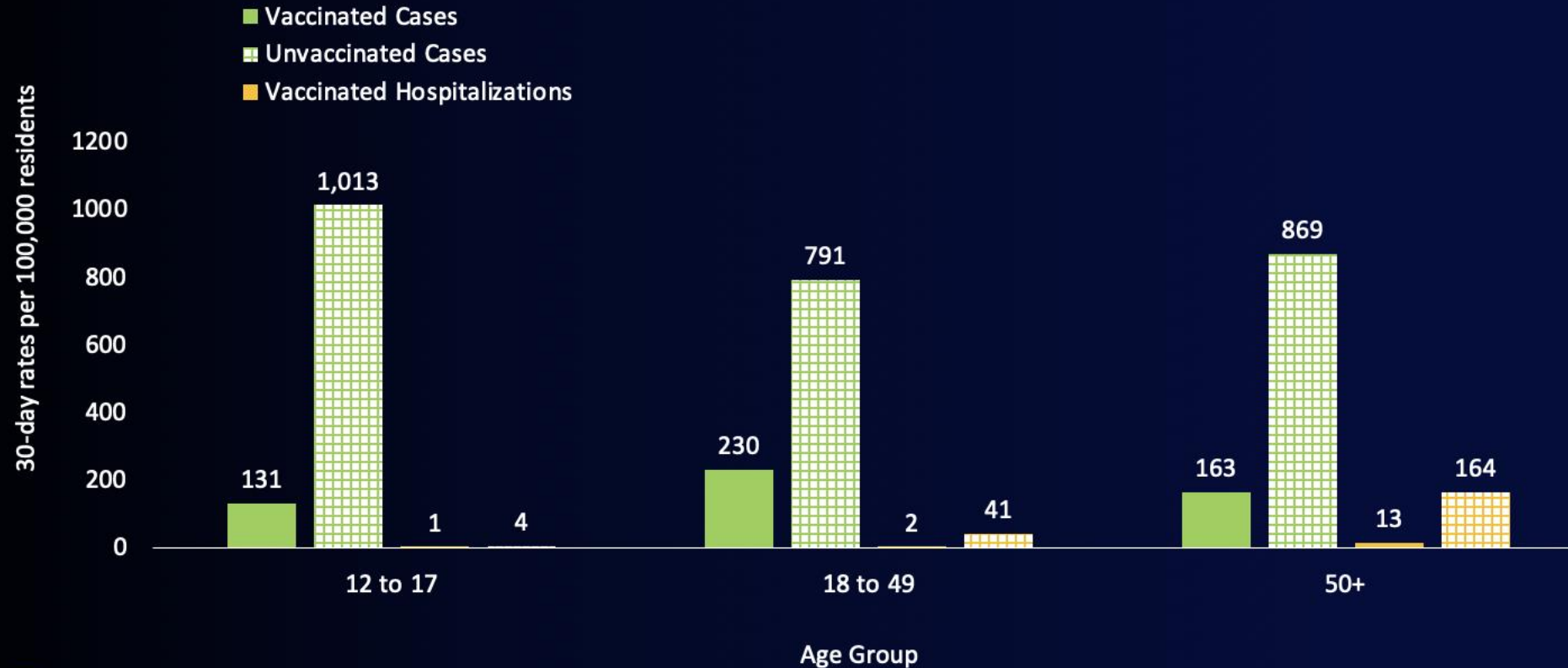
*Excludes partially vaccinated (3% of cases)



covid19.lacounty.gov

11/18/2021

30-Day Cumulative Age-Adjusted Case and Hospitalization Rates by Vaccination Status and Age Group, October 5 – November 5, 2021

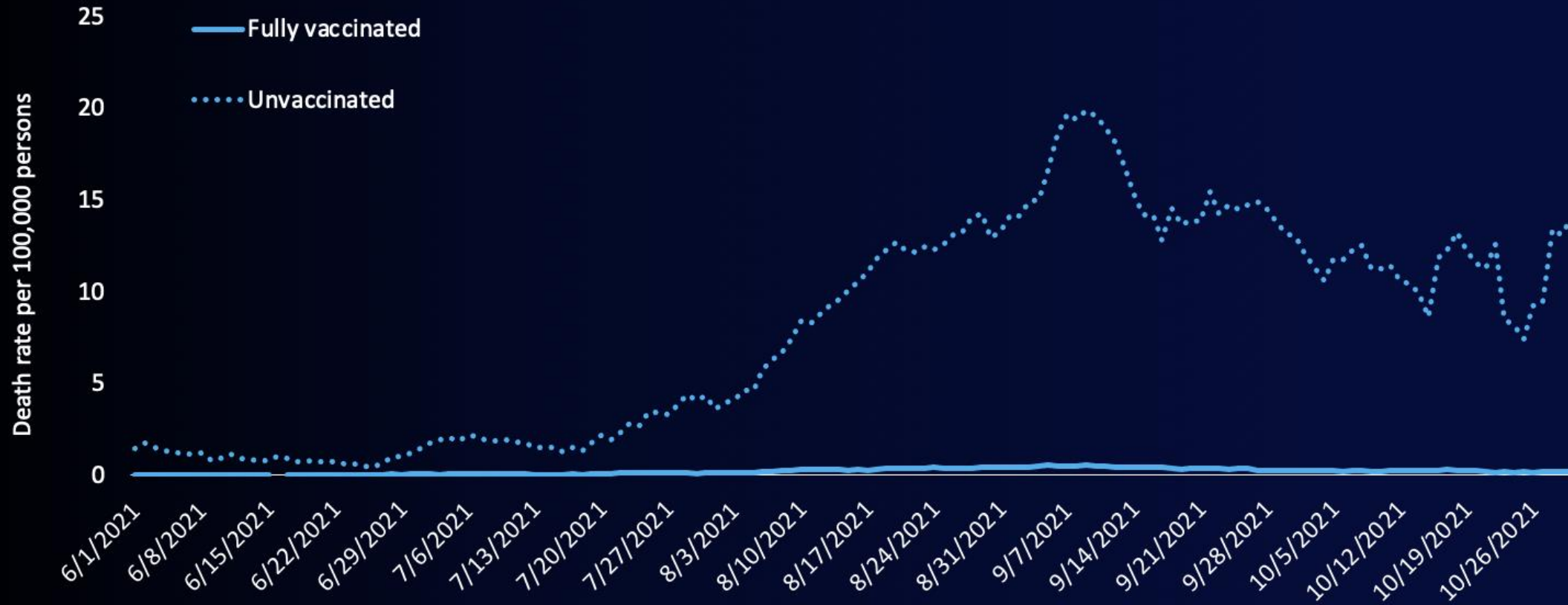


covid19.lacounty.gov

11/18/2021

7-Day Cumulative Age-Adjusted Death Rates by Vaccination Status*

June 1st – October 30th, 2021



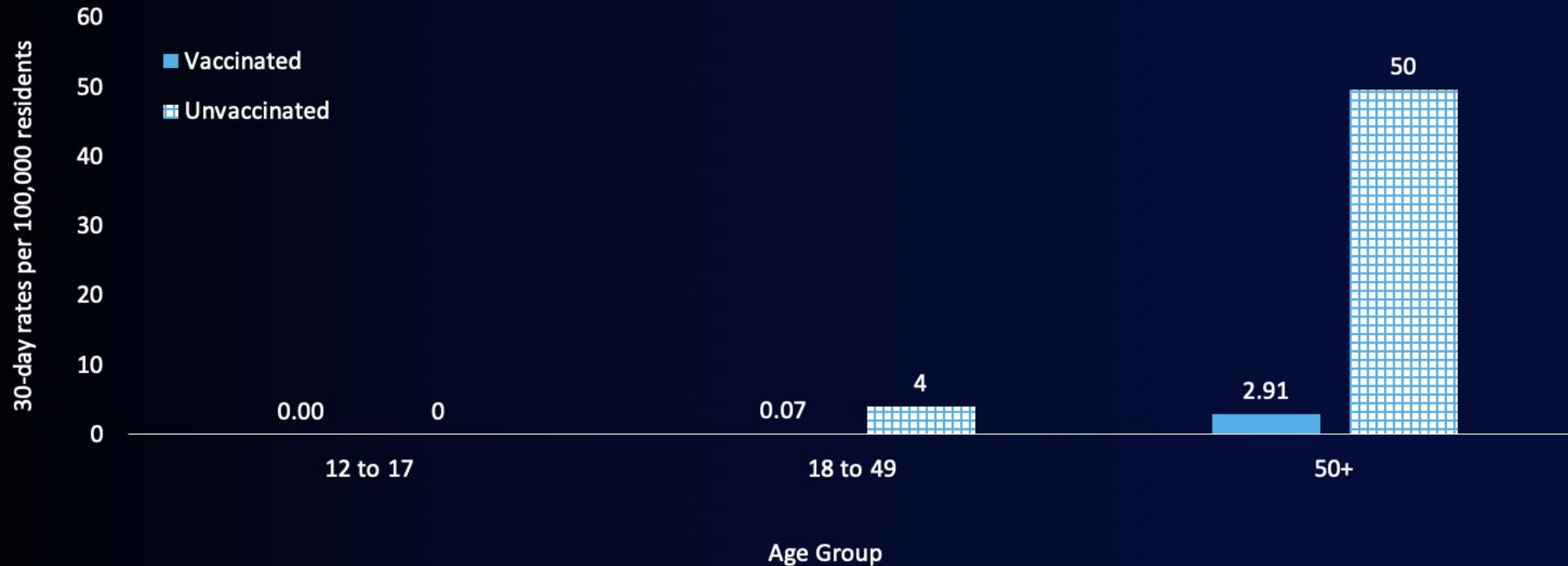
*Excludes partially vaccinated (3% of deaths)



covid19.lacounty.gov

11/18/2021

30-Day Cumulative Age-Adjusted Death Rates by Vaccination Status and Age Group October 5th – November 5th, 2021



covid19.lacounty.gov

11/18/2021

Proportion of LAC Residents Vaccinated by Age Group as of November 14th, 2021

	≥1 Dose	Fully Vaccinated
% LAC Residents 65+	95%	87%
% LAC Residents 5-11	7%	N/A
% LAC Residents 12-17	75%	66%
% LAC Residents 12+	82%	73%
% LAC Residents 5+	75%	67%
% of 10.3 million LAC residents	71%	63%

**979,924 additional/booster doses have been administered by
LAC Providers to LAC & Non-LAC Residents**



covid19.lacounty.gov

11/18/2021

Who Is Getting Vaccinated – and Who Is Not?

	5-11	12-17	18-29	30-49	50-64	65+	Entire racial/ethnic group ²
Black/African American	4	46	43	56	65	75	54%
Latinx	3	61	58	63	75	84	59%
American Indian/Alaska Native¹	12	81	83	87	70	78	75%
White	13	72	72	74	69	87	72%
Asian	14	93	87	82	82	88	80%
Entire age group³	7%	75%	74%	80%	84%	95%	75%

¹Likely an overestimate due to inclusion of multiracial people

²LAC residents 5 and older (including Long Beach and Pasadena)

³Subgroup data for NHOPI, multiracial, other, and unknown categories included in overall count but not displayed due to likely inaccurate estimates



covid19.lacounty.gov

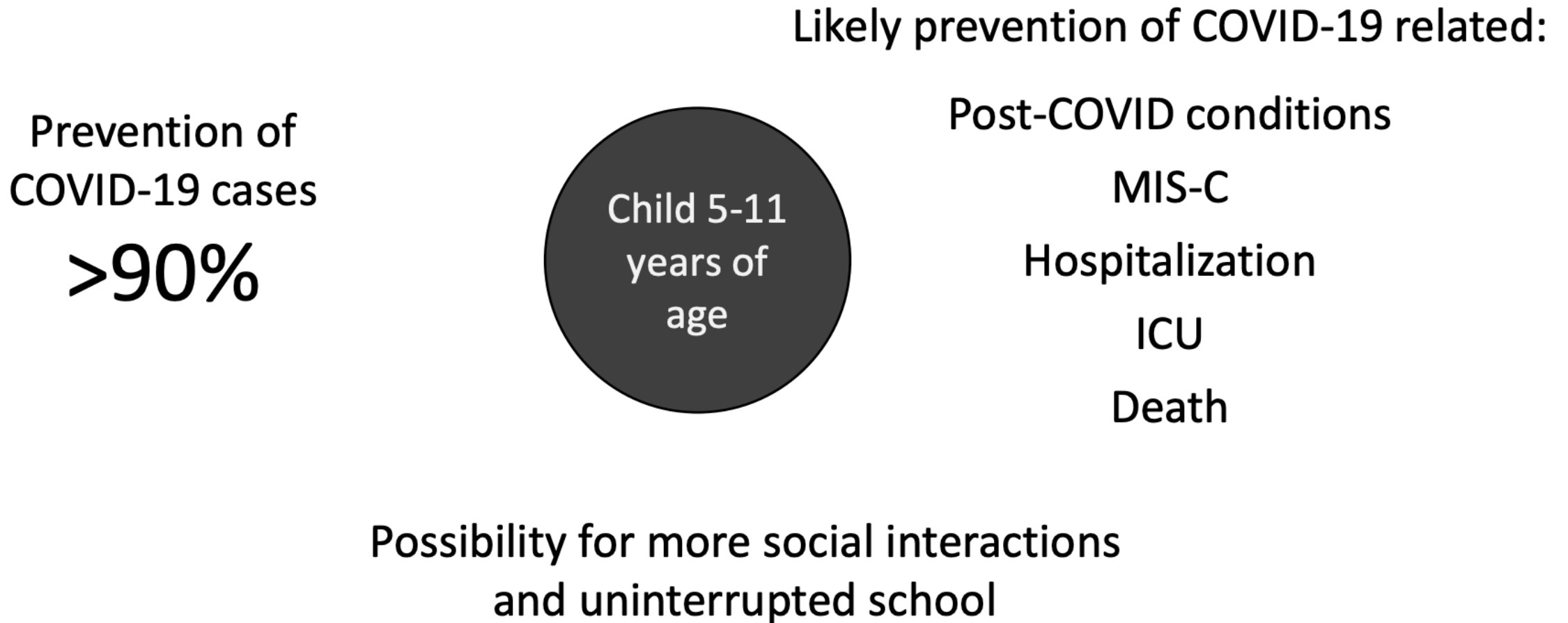
11/18/2021

LAC Residents 5-to-11-year-old Vaccination by HPI Plus as of November 14th, 2021

	5-to-11-year-olds Vaccinated in LAC ZIP Codes	
	#	%
HPI+ ZIP Codes (Hardest Hit LAC Neighborhoods)	21,271	3.9%
Other LAC ZIP Codes	43,400	12.5%
All ZIP Codes	64,671	7.2%



Possible impact with vaccination of 5–11-year-old



Possible impact with vaccination of 5–11-year-old

Possible prevention of
transmission to
vulnerable family
members



Parental participation on
work force may be more
stable and predictable

Possible impact with vaccination of 5–11-year-old

Could result in
**lower
transmission**
within schools
and community



More confident
return to
in-person
learning

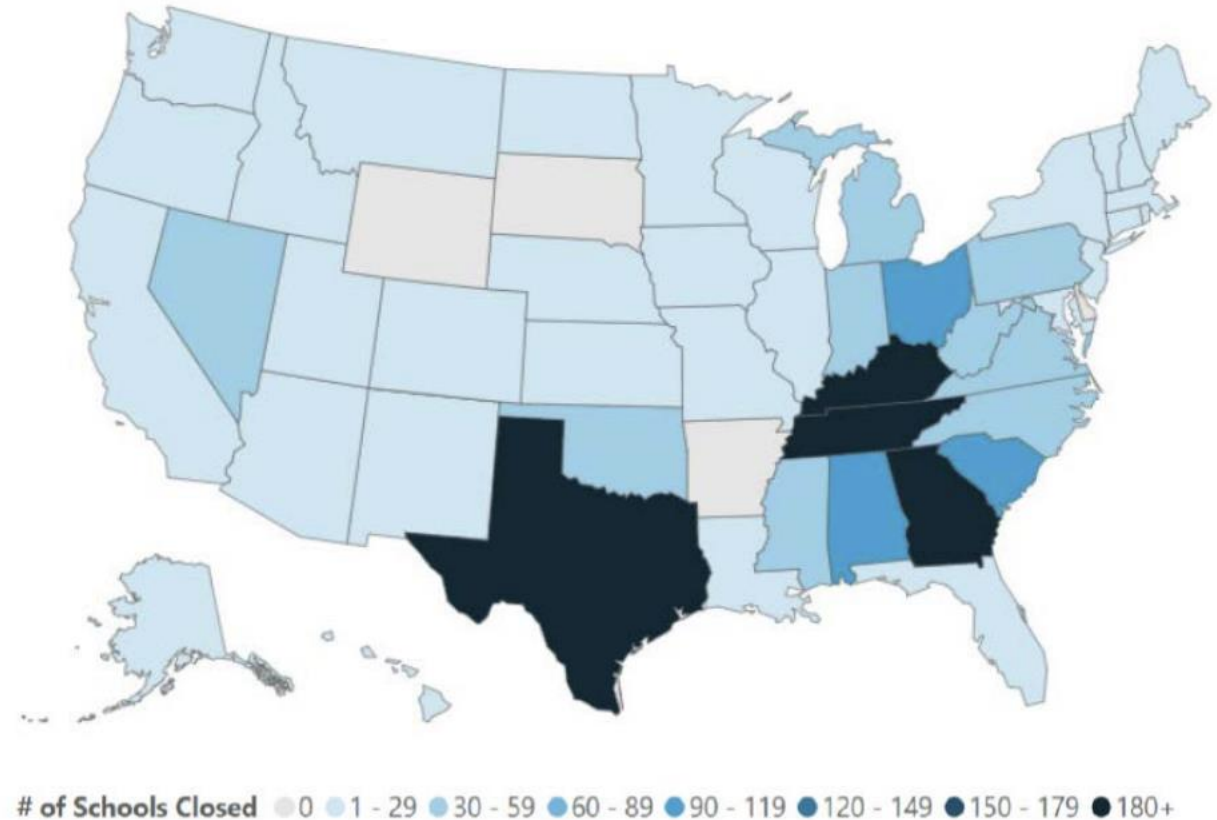
Medical Exemptions



COVID-19 Related K-12 School Closures by State,

August 2, 2021 – October 22, 2021

School districts closed	Total # schools closed*	Estimated # students affected*	Estimated # teachers affected*
313	2,351	1,217,777	78,134



Data from the Unplanned School Closure Monitoring Project (DGMQ/CDC), ongoing research that uses systematic daily media searches (methods explained in <https://doi.org/10.1371/journal.pone.0248925>).

* Number of schools closed in district-wide closures, total number of students, and total number of teachers are estimated by matching the public school district ID or school ID with the district/school data for school year 2019/20 and private school ID with school data for year 2017/18 as obtained from the National Center for Education Statistics (<https://nces.ed.gov/ccd/elsi/tableGenerator.aspx>, accessed on Apr 20, 2021). Due to missing information in 2019/20 data, the total number of public school teachers in California is estimated using 2018/19 NCES data.

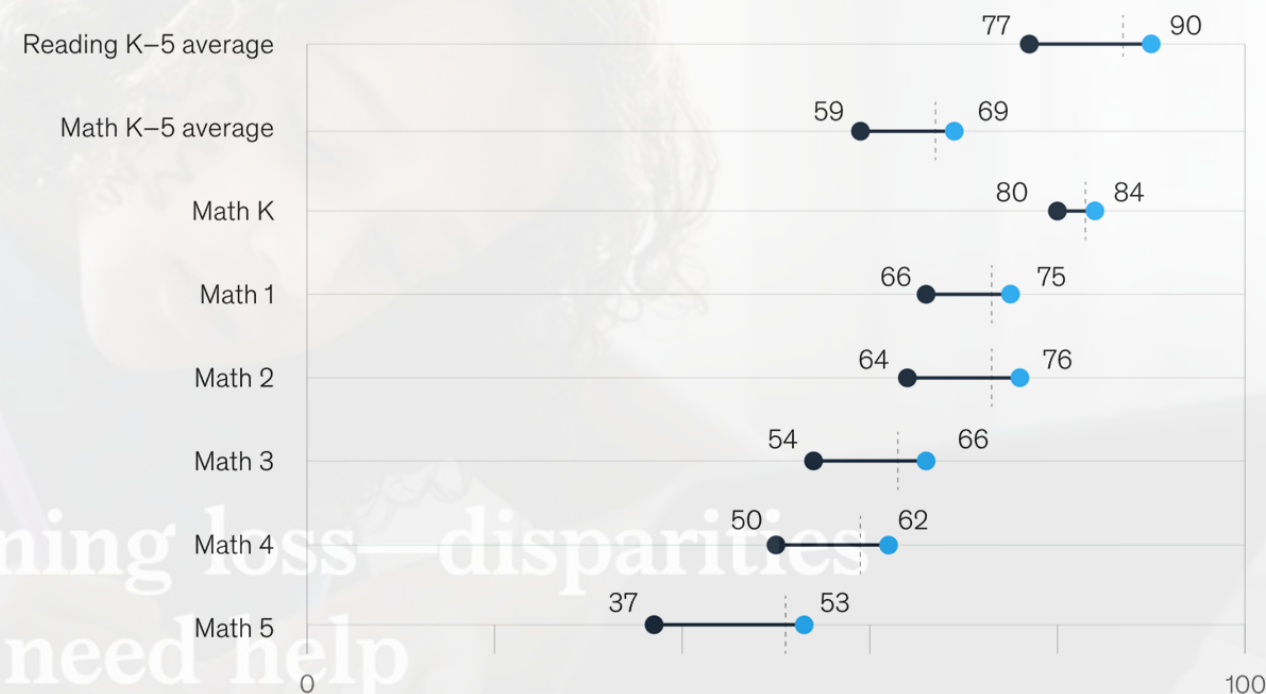
Learning Lost



Most students are falling behind, but students of color are faring worse.

Amount students learned in the 2019–20 school year, % of historical scores¹

● Schools with >50% students of color All schools average ● Schools with >50% white students



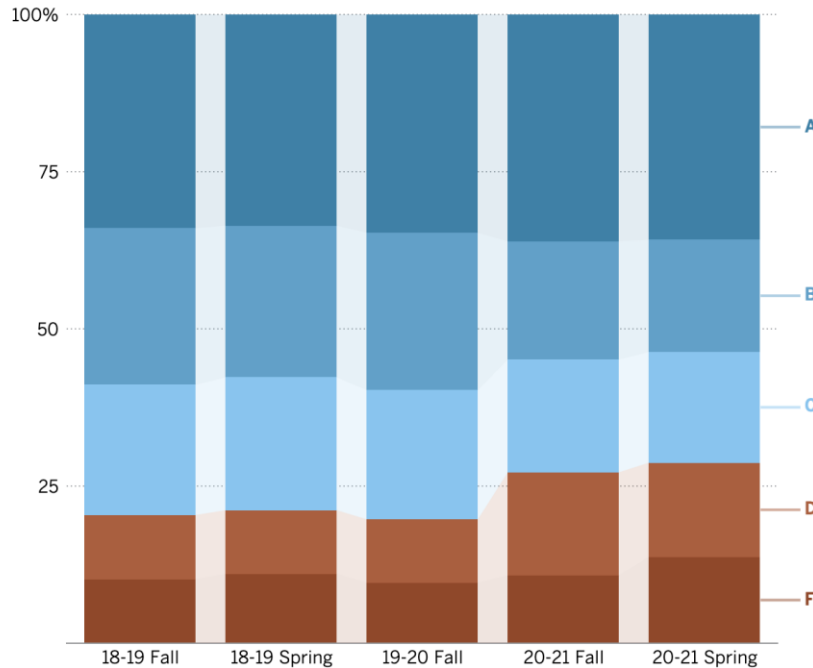
¹Percent of an "average" year of learning gained by students in 2019–20 school year, where 100% is equivalent to historical matched scores over previous 3 years.
Source: Curriculum Associates

**McKinsey
& Company**

Falling grades, stalled learning. L.A. students 'need help now,' Times analysis shows

Grades dropped at LAUSD

Students in sixth through 12th grades received more Ds and Fs in 2020-2021 academic year.

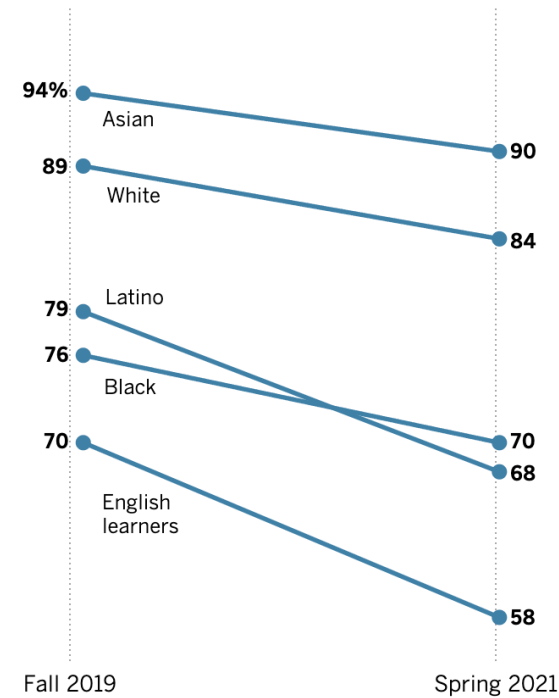


Spring 2019-2020 grades are not comparable because Fs were not issued during this semester when school first closed.
LAUSD

Iris Lee LOS ANGELES TIMES

Grades fell across all groups

The percentage of LAUSD secondary students giving As, Bs and Cs fell in Spring 2021.

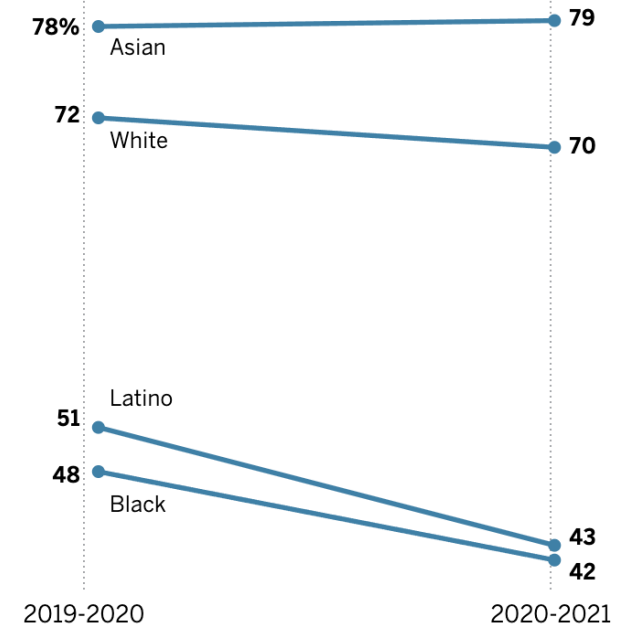


SD

Iris Lee LOS ANGELES TIMES

Percentage of elementary students meeting reading goals

Number of LAUSD elementary school students meeting reading benchmarks fell in 2020-2021 academic year.

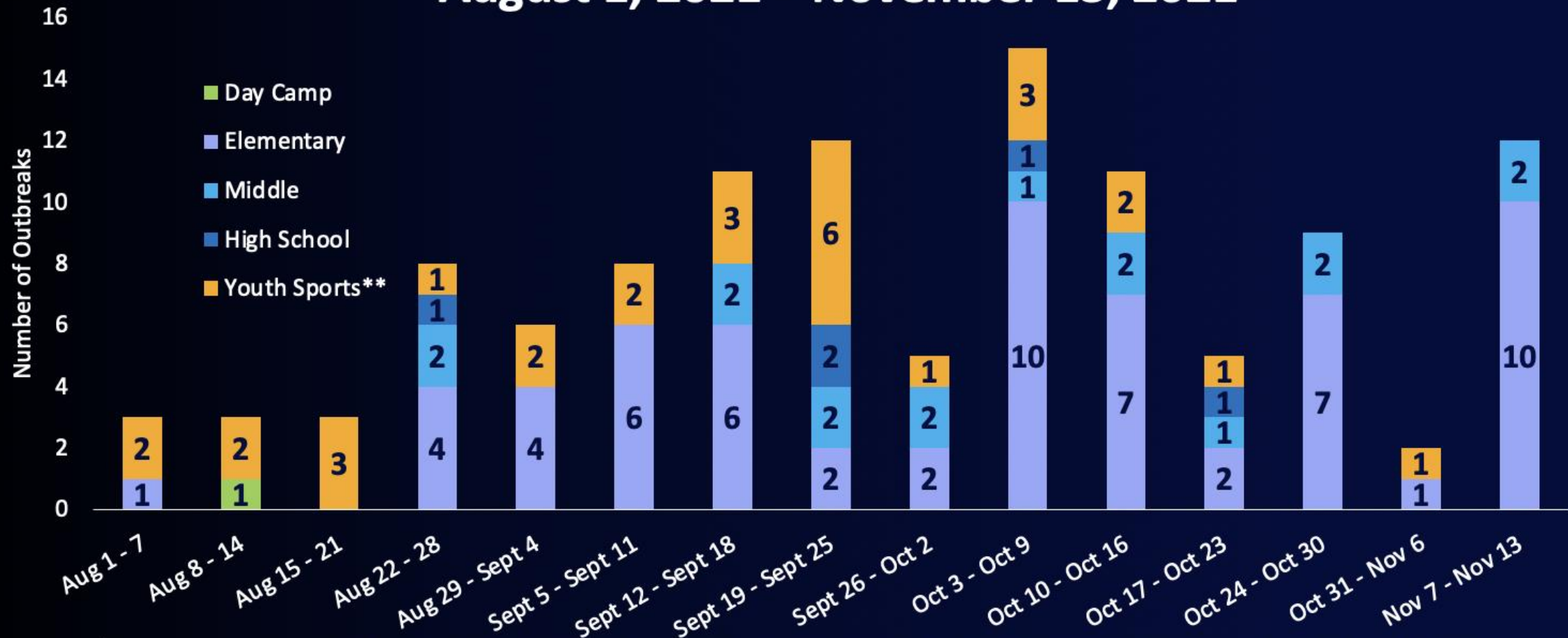


LAUSD

Iris Lee LOS ANGELES TIMES

Outbreaks in TK-12 Schools and Programs

August 1, 2021 – November 13, 2021*



* Outbreaks are reported by the date the outbreak investigation was opened. Outbreaks may still be open and under investigation

** All but one of the Youth Sports Outbreaks have been in a high-school setting.



covid19.lacounty.gov

11/18/2021

Governor's mandate

- “The state already requires that students are vaccinated against viruses that cause measles, mumps, and rubella – there’s no reason why we wouldn’t do the same for COVID-19. Today’s measure, just like our first-in-the-nation school masking and staff vaccination requirements, is about protecting our children and school staff, and keeping them in the classroom. Vaccines work. It’s why California leads the country in preventing school closures and has the lowest case rates. We encourage other states to follow our lead to keep our kids safe and prevent the spread of COVID-19.”

Other vaccine preventable diseases:

Deaths per year prior to recommended vaccines

	Hepatitis A¹	Meningococcal (ACWY)²	Varicella³	Rubella⁴	Rotavirus⁵	COVID-19
Age	<20 years	11–18 years	5–9 years	All ages	<5 years	5–11 years
Time period	1990–1995	2000–2004	1990–1994	1966–1968	1985–1991	Oct 2020– Oct 2021
Average deaths per year	3	8	16	17	20	66

¹Vogt TM, Wise ME, Bell BP, Finelli L. Declining hepatitis A mortality in the United States during the era of hepatitis A vaccination. *J Infect Dis* 2008; 197:1282–8.

²National Notifiable Diseases Surveillance System with additional serogroup and outcome data from Enhanced Meningococcal Disease Surveillance for 2015–2019.

³Meyer PA, Seward JF, Jumaan AO, Wharton M. Varicella mortality: trends before vaccine licensure in the United States, 1970–1994. *J Infect Dis*. 2000;182(2):383–390. doi:10.1086/315714

⁴Roush SW, Murphy TV; Historical comparisons of morbidity and mortality for vaccine-preventable diseases in the United States. *JAMA* 2007; 298:2155–63.

⁵Glass RI, Kilgore PE, Holman RC, et al. The epidemiology of rotavirus diarrhea in the United States: surveillance and estimates of disease burden. *J Infect Dis*. 1996 Sep;174 Suppl 1:S5–11.

Details


- Will require full approval of vaccine PRIOR to start of term (January 1 or July 1st):
 - full approval of ages 12+ corresponds to grades 7-12, and full approval of ages 5-11 corresponds to grades K-6.
 - Students who are under the age of full approval, but within the grade span, will be required to be vaccinated once they reach the age of full approval (with a reasonable period of time to receive both doses), consistent with existing procedures for other vaccines.
 - Religious exemptions allowed as this is a regulation. If it becomes legislated, religious exemptions could be removed

LAUSD Mandate




What to Know about Student Vaccinations at Los Angeles Unified


The science is clear – vaccinations are a safe, effective and essential part of protection against COVID-19. **The benefits of the vaccine continue to outweigh the risks and the Centers for Disease Control and Prevention (CDC) recommends that everyone 12 and older get vaccinated.**




Did You Know?



The number of hospitalized youth increased 4x in states with low vaccination rates in late summer.



The highly contagious Delta variant is increasing youth hospitalization and spreading rapidly in unvaccinated groups.



The CDC recorded that **12.1 million** US children under 18 have at least one dose of the vaccine.

Student Group	First Dose Deadline	Second or Final Dose Deadline
Students aged 12 and older who participate in extracurricular programs in-person.	No later than October 10, 2021	No later than October 31, 2021
Students who are 12 years of age and older.	No later than November 21, 2021	No later than December 19, 2021
Newly eligible students.	No later than 30 days after student's 12th birthday	No later than eight weeks after student's 12th birthday

Los Angeles Unified will continue to provide students vaccinations during the school year.

For the latest information on vaccine clinics or to make a vaccination appointment, visit achieve.lausd.net/covidvaccineappt or call (213) 443-1300.

For questions, concerns or to review frequently asked questions, visit achieve.lausd.net/covidfaq

How do I get my child vaccinated?

See back of flyer...

Appendix B: Triage of people with a history of allergies or allergic reactions

CONTRAINDICATION TO COVID-19 VACCINATION	PRECAUTION TO COVID-19 VACCINATION	MAY PROCEED WITH COVID-19 VACCINATION
<p>History of the following:</p> <ul style="list-style-type: none"> Severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a component of a COVID-19 vaccine^{1,2} Known (diagnosed) allergy to a component of a COVID-19 vaccine¹ 	<p>Among people without a contraindication, a history of:</p> <ul style="list-style-type: none"> Any immediate allergic reaction³ to other vaccines (non-COVID-19) or injectable therapies⁴ Non-severe, immediate (onset <4 hours) allergic reaction² after a previous dose of COVID-19 vaccine⁶ <p>Note: people with a contraindication to mRNA COVID-19 vaccines have a precaution to Janssen COVID-19 Vaccine, and vice versa⁵</p>	<p>Among people without a contraindication or precaution, a history of:</p> <ul style="list-style-type: none"> Allergy (including anaphylaxis) to oral medications (including the oral equivalent of an injectable medication) History of food, pet, insect, venom, environmental, latex, etc., allergies, including anaphylaxis Family history of allergies
<p>Actions:</p> <ul style="list-style-type: none"> Do not vaccinate Consider referral to allergist-immunologist Consider other vaccine alternative if age appropriate^{1,5} 	<p>Actions:</p> <ul style="list-style-type: none"> Risk assessment 30-minute observation period if vaccinated (see footnotes 5 and 6 for information on vaccination setting) Consider referral to allergist-immunologist 	<p>Actions:</p> <ul style="list-style-type: none"> 30-minute observation period: people with history of anaphylaxis (due to any cause) 15-minute observation period: all other people

Primary, Additional and Booster Doses for FDA Approved/Authorized COVID-19 Vaccines¹

	Pfizer ² /Comirnaty	Moderna ³	Johnson & Johnson (J&J)
Eligible age	Everyone 5 and older ¹	Everyone 18 and older	Everyone 18 and older
Primary Series	Two doses 21 days apart	Two doses 28 days apart	One dose
Additional (3 rd) Dose ^{3, 4}	Who: Strongly recommended if you are age 12 or older and have a moderately or severely weakened immune system .		Not recommended. See Booster Dose below.
	When: At least 28 days after your second dose		
Booster Dose ^{3,5} <i>A booster dose may be any COVID-19 vaccine (J&J, Pfizer, or Moderna)</i>	Who: Strongly Recommended for everyone age 18 and older. Very important if you are: <ul style="list-style-type: none">• Age 65 and older• Age 18 and older and have an underlying medical condition or have risk of exposure at work or in the community.		Who: Strongly recommended for everyone who got J&J for their primary series. This includes if you have a moderately or severely weakened immune system .
	When: At least 6 months after your second dose ⁶ .		When: At least 2 months after your J&J dose.

Booster Dose – if you got Pfizer or Moderna

The booster dose is given at least 6 months after the 2nd dose

Pfizer



Moderna



Booster Dose – if you got Johnson & Johnson (J&J)

- **Everyone** who got a J&J vaccine for their first dose **should** get a booster at least 2 months later.
 - This includes people with weakened immune systems
- The booster can be Pfizer, Moderna, or J&J





Questions?

