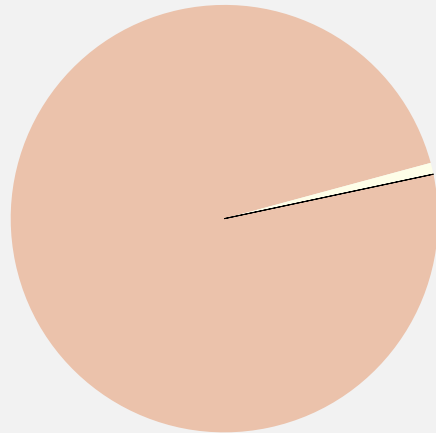




COVID Epidemiology Status Report
Riverside University Health System Public Health - Epidemiology
December 1st, 2021 Update

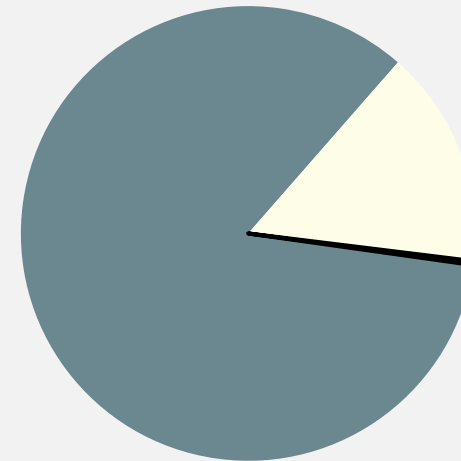
COVID AMONG FULLY VACCINATED VS. UNVACCINATED RESIDENTS 5+ IN RIVERSIDE COUNTY JAN-OCT 2021

Less than 1% of the **vaccinated population** are **cases** compared to **18%** of the **unvaccinated population**.



■ Fully Vaccinated ■ COVID Cases ■ Died

	Number	Percent
Fully Vaccinated	1,281,348	
COVID Cases	11,178	0.87%
Died	62	0.005%



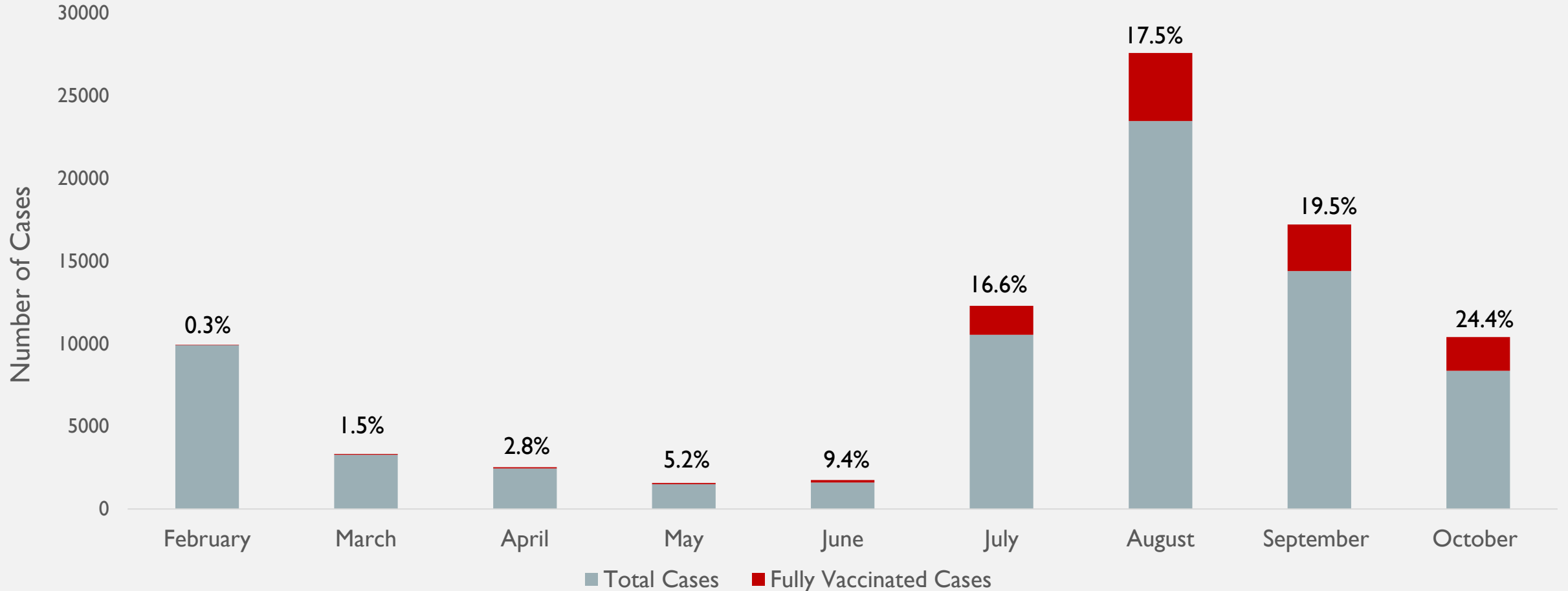
■ Unvaccinated ■ COVID Cases ■ Died

	Number	Percent
Unvaccinated	822,691	
COVID Cases	151,449	18%
Died	2,682	0.3%

COVID-19 CASES, AMONG RIVERSIDE RESIDENTS 5+ BY MONTH AND VACCINATION STATUS, FEB-OCT 2021

“Because vaccines are not 100% effective, as the number of people who are fully vaccinated goes up, the number of vaccine breakthrough infections will also increase.” (CDC, 2021)

<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/effectiveness/why-measure-effectiveness/breakthrough-cases.html>



<https://www.rivcoph.org/coronavirus>

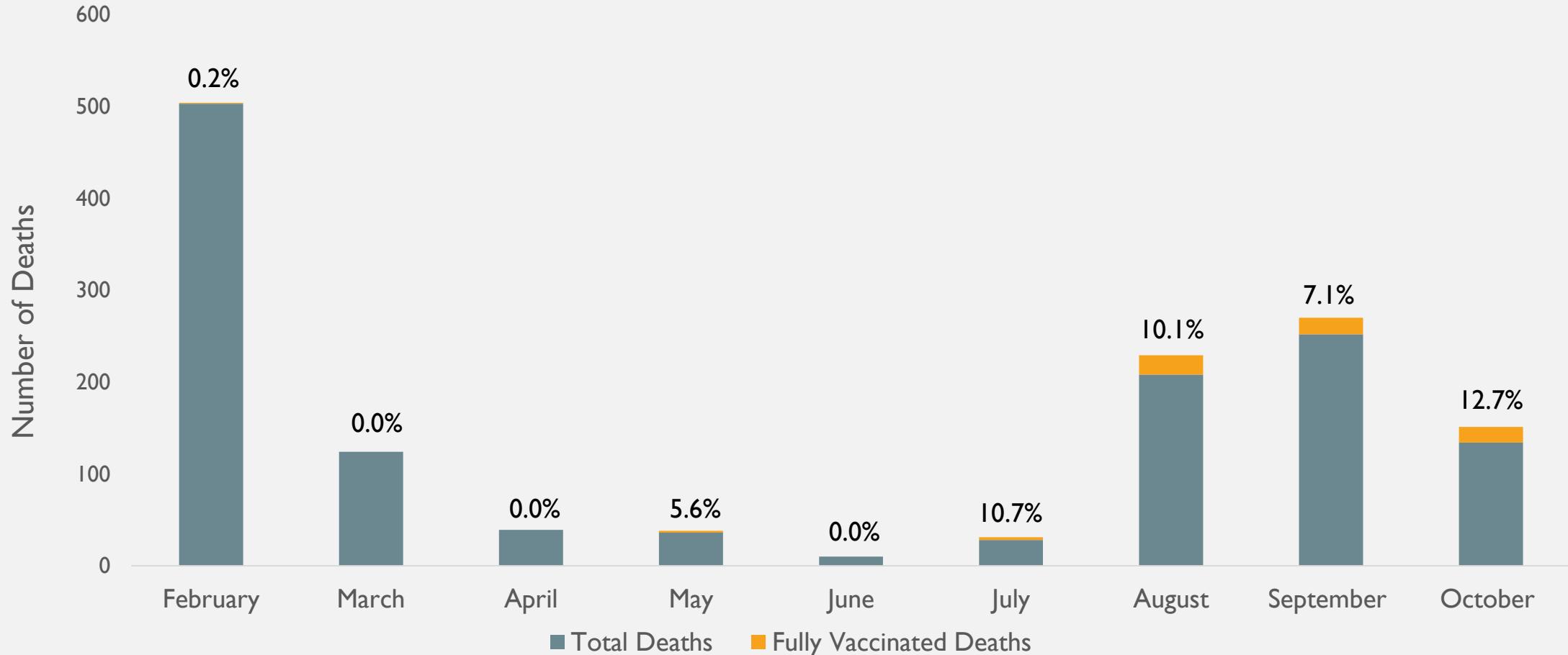
Source: Snowflake, CalREDIE

Data as of 10/31/2021

Unvaccinated = Unvaccinated and Partially unvaccinated

COVID-19 DEATHS, AMONG RIVERSIDE RESIDENTS 5+ BY MONTH AND VACCINATION STATUS, FEB-OCT 2021

Less than 5% of the **vaccinated population died** due to COVID compared to **15%** of the **unvaccinated population**.



<https://www.rivcoph.org/coronavirus>

Source: Snowflake, CalREDIE

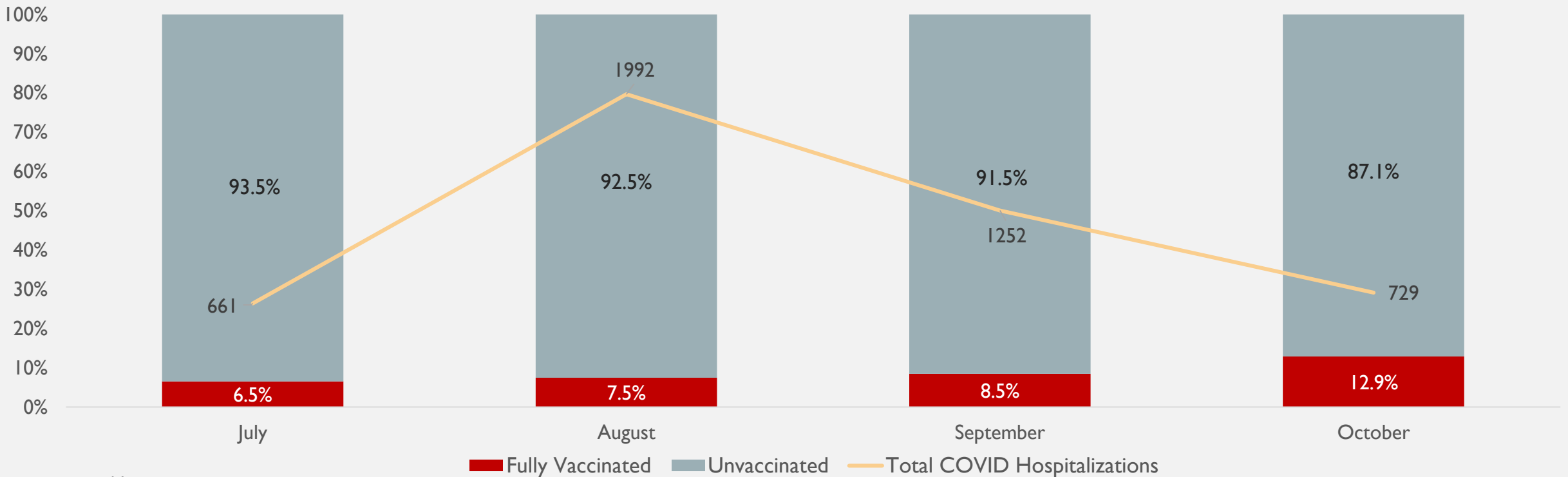
Data as of 10/31/2021

Unvaccinated = Unvaccinated and Partially unvaccinated

MONTHLY COVID HOSPITALIZATIONS BY VACCINATION STATUS, JULY-OCT, 2021

Unvaccinated patients accounted for **over 91.5%** of COVID diagnosed hospitalizations.

Hospitalization in **fully vaccinated** individuals are expected to **increase** over time as more individuals are vaccinated and immunity may wane over time.



Note:

Data are limited to hospitals that submitted their line lists to CDPH

Data include duplicated patients with different admit and discharge dates

Data include inpatients with residence in Riverside County and had COVID as one of their 25 discharge diagnoses

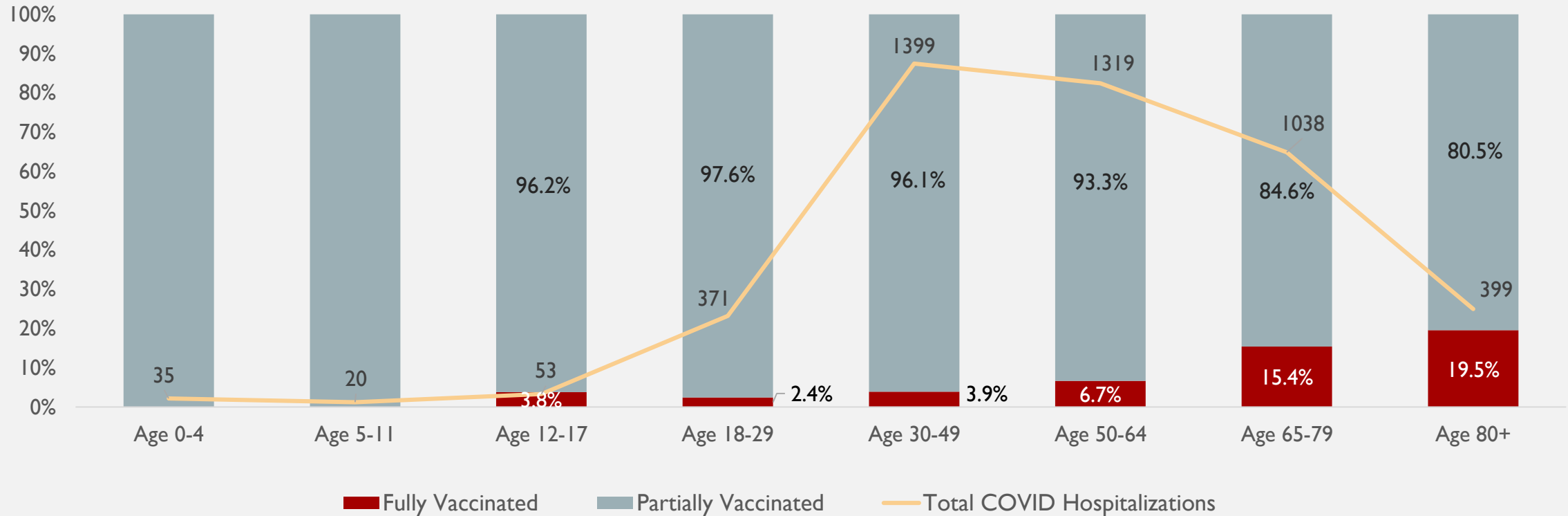
COVID-diagnosed hospitalizations decreased since August 2021



COVID HOSPITALIZATIONS BY AGE GROUP AND VACCINATION STATUS, JULY-OCT, 2021

Adults aged 30-64 accounted for **58.7%** of **hospitalized** COVID patients.

Hospitalizations in **fully vaccinated** individuals increase with age highlighting a **need for a booster** dose.



Note: Tuesday November 2nd, 2021 children ages 5-11 became vaccine eligible
 Proportion among youth aged 12-17 may be biased due to low patient counts.



<https://www.rivcoph.org/coronavirus>

VACCINATION STATUS BY AGE GROUP 0-17 YEARS RIVERSIDE COUNTY MAY-OCT, 2021

Since June 2021, **95.6%** of all cases among **adolescents** 12-17 years were unvaccinated.

6,550 unvaccinated cases ages 12-17 years were eligible for a vaccine.

COVID Cases by Vaccination Status 0-17 years				
	Unvaccinated			Fully Vaccinated
Month	0-4	5-11	12-17	12-17
June	47	90	129	1
July	303	688	917	27
August	862	2645	2897	112
September	566	1694	1775	85
October	337	1016	832	78
Total	2115	6133	6550	303

Note: Tuesday November 2nd, 2021 children ages 5-11 became vaccine eligible