



Post- vaccination Cases, Hospitalization, and Deaths among Californians age 16 or older (Jan 1, 2021 through Nov 15, 2021)

Vaccine type	Post-vaccination cases	Percent post-vaccination cases	Hospitalized	Percent hospitalized	Deaths	Percent deaths	Fully vaccinated persons	Percent fully vaccinated persons
Pfizer	137913	57%	4099	52%	734	52%	12862500	54%
Moderna	74008	31%	2571	33%	502	36%	9084890	38%
J&J	26718	11%	1050	13%	158	11%	1708142	7%
Mis-matched (combination of Pfizer, Moderna and J&J)	2591	1%	99	1%	7	0%	278404	1%
Total	241230	100%	7819	100%	1401	100%	23933936	100%

Case rates/100K among Californians age 16 or older (daily average for most recent 7 days with a 7 day lag), Week of Oct 31 - Nov 6, 2021

Vaccinated Individuals	Unvaccinated Individuals
5.82	40.22

Unvaccinated individuals have about seven times the risk of getting infected with COVID-19 compared to vaccinated individuals

- Post-vaccination cases are defined as individuals who are fully vaccinated and have a positive SARS-CoV-2 molecular (e.g.PCR) test 14 days or more after they have completed their full one-dose or two-dose COVID-19 vaccination series.
 - This definition does not differentiate between those who were infected after vaccination vs. those who may have prolonged shedding of the virus due to an infection prior to vaccination.
- Post-vaccination cases are identified through matching of case and vaccination registries using the following criteria: DOB and zip code (exact matches) and last name and first name.
- This matching algorithm may miss some fully vaccinated cases due to data quality in either the case or vaccine registry or delay in reporting.

- When looking at post-vaccination cases associated with different vaccine brands, it is important to consider the doses of vaccines administered for each brand as some brands have been used more than others.
- J&J vaccine only requires one dose. Thus, data on post-vaccination cases associated with J&J vaccine may be more complete than cases associated with the mRNA vaccines.

