



**Inyo County
COVID-19 Response**



Inyo County COVID-19 Vaccination Status Trends

Epidemiological Report as of June 2022

Inyo County Quick Facts:

- Total COVID-19 cases increased by 40% from May to June
- Unvaccinated COVID-19 cases increased 50% from May to June
- Vaccinated COVID-19 cases increased 36% from May to June
- Most COVID-19 infections in vaccinated individuals occurred more than 5 months after the most recent dose of a COVID-19 vaccine, indicating a possible waning vaccine effect after 5 months
- **The rates of breakthrough infections corroborate the important role played by boosters in protection against COVID-19**
- Of the boosted breakthrough cases nine (9) individuals had received a second booster dose, **all were more than 5 months beyond receiving a second booster dose**
- Despite the increasing share of COVID-19 breakthrough infections, vaccinated individuals in Inyo County continue to experience COVID-19 infections at a rate lower than unvaccinated individuals in Inyo County when adjusting for differences in population size between vaccinated and unvaccinated groups

Monthly Summary:

In June, 72% of breakthrough cases occurred in individuals who had received at least one booster dose, however, 92% of boosted individuals who experienced a breakthrough COVID-19 infection were more than 5 months out from their most recent dose of a COVID-19 vaccine and 98% of unboosted breakthrough cases were among individuals whose most recent dose of a COVID-19 vaccine was more than 5 months prior to infection.

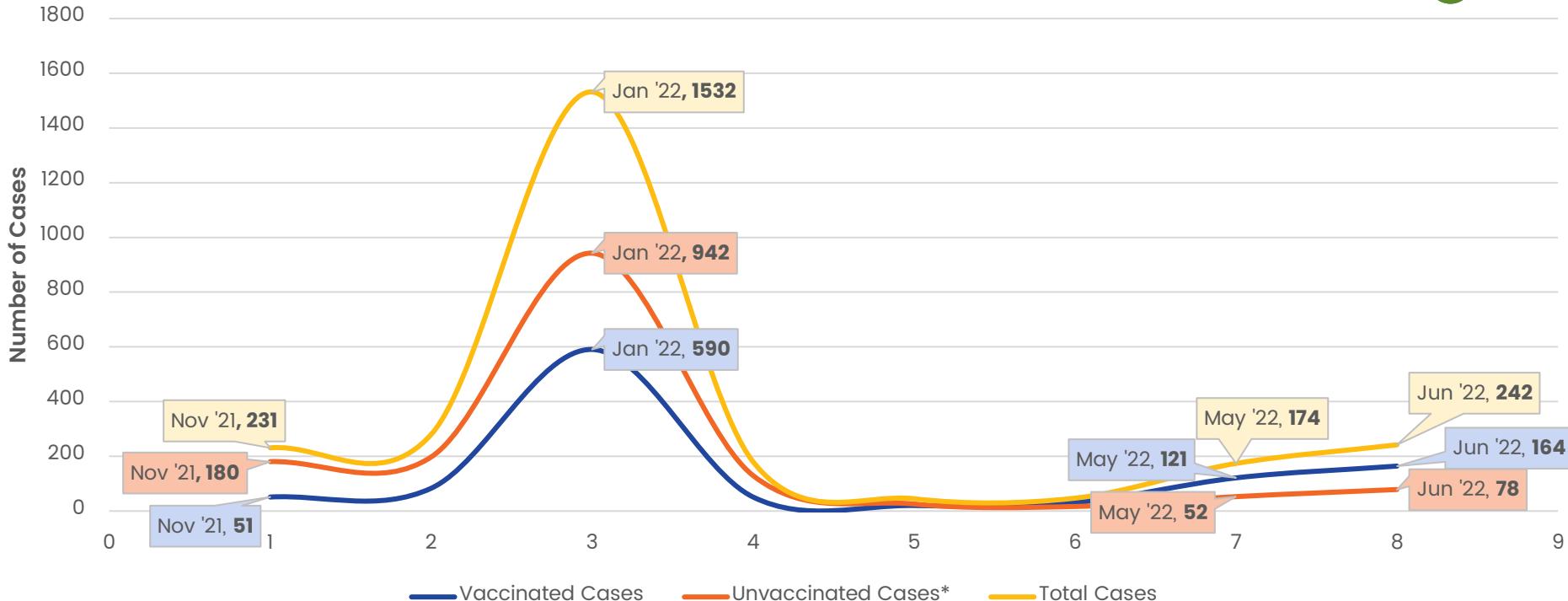
Vaccinated individuals represent a growing share of COVID-19 infections in Inyo County. This population phenomenon is occurring because fully vaccinated individuals now compose more than 71.8% of Inyo County's vaccine-eligible population. Despite the growing share of COVID-19 infections among fully vaccinated individuals, unvaccinated individuals continue to experience higher rates of COVID-19 infection when adjusting for the differences in population size between vaccinated and unvaccinated individuals living in Inyo County.

COVID-19 cases among unvaccinated individuals for the month of June occurred at a rate of 1.60% and COVID-19 cases among vaccinated individuals occurred at a rate of 1.32%, indicating that despite composing a smaller population, unvaccinated individuals in Inyo County continue to experience COVID-19 infections at a rate higher than vaccinated individuals.

Inyo County Vaccination Statistics as of June 28, 2022:

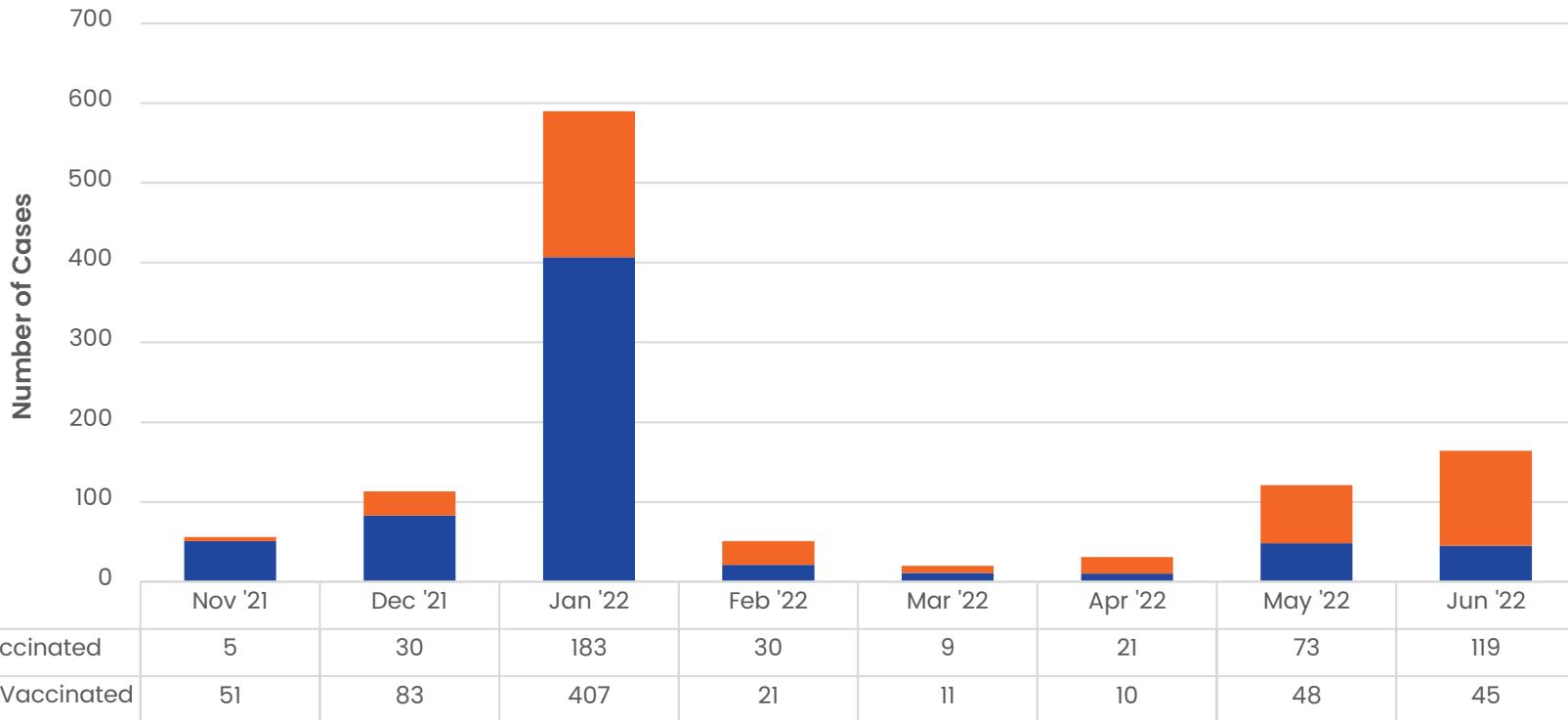
# Fully Vaccinated	% Fully Vaccinated	# Unvaccinated	% Unvaccinated
12,412	71.8%	4,876	18.9%

Monthly Total Fully Vaccinated vs. Unvaccinated COVID-19 Cases



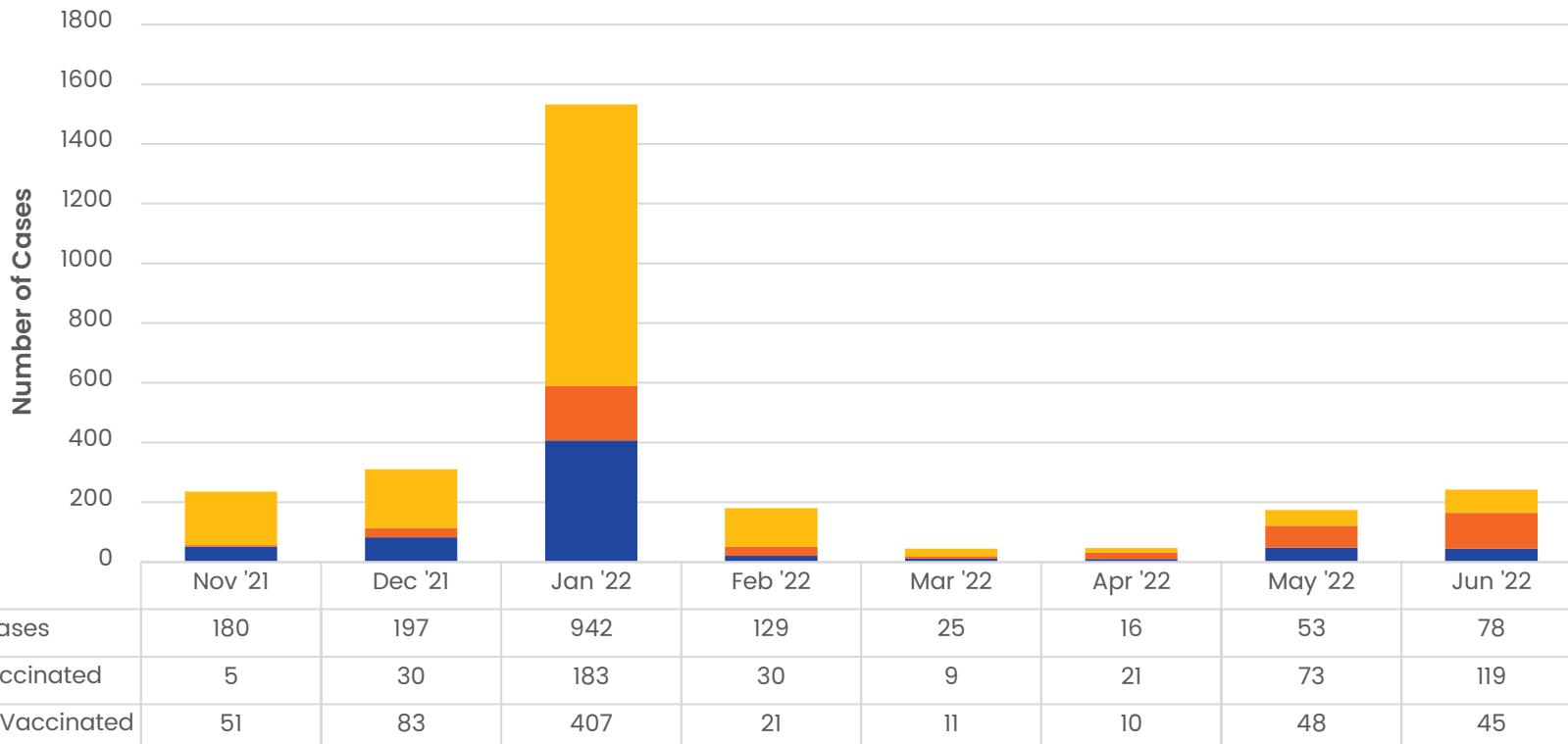
*includes those that are partially vaccinated and individuals who are not eligible to be vaccinated (<5 yrs. old)

Unboosted* vs. Boosted Monthly Breakthrough COVID-19 Cases

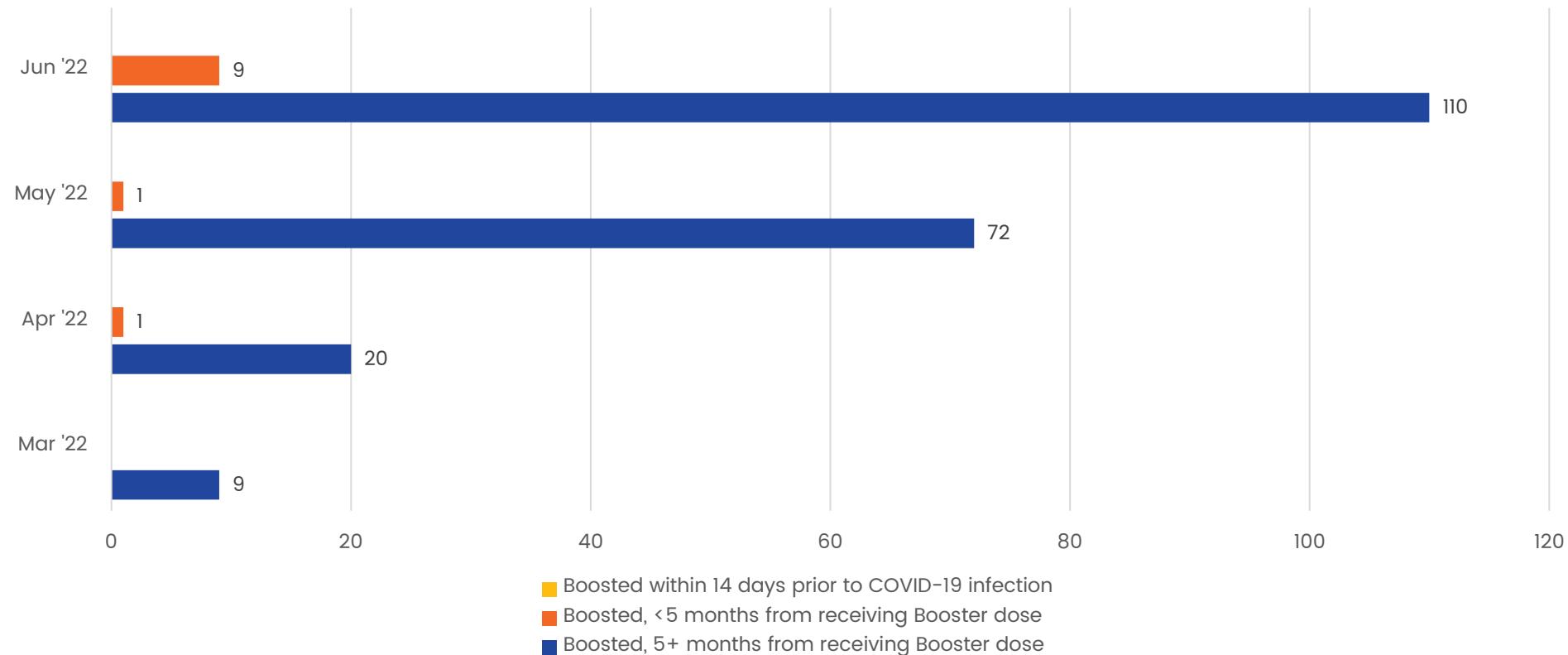


*One (1) June Unboosted case not eligible for booster dose

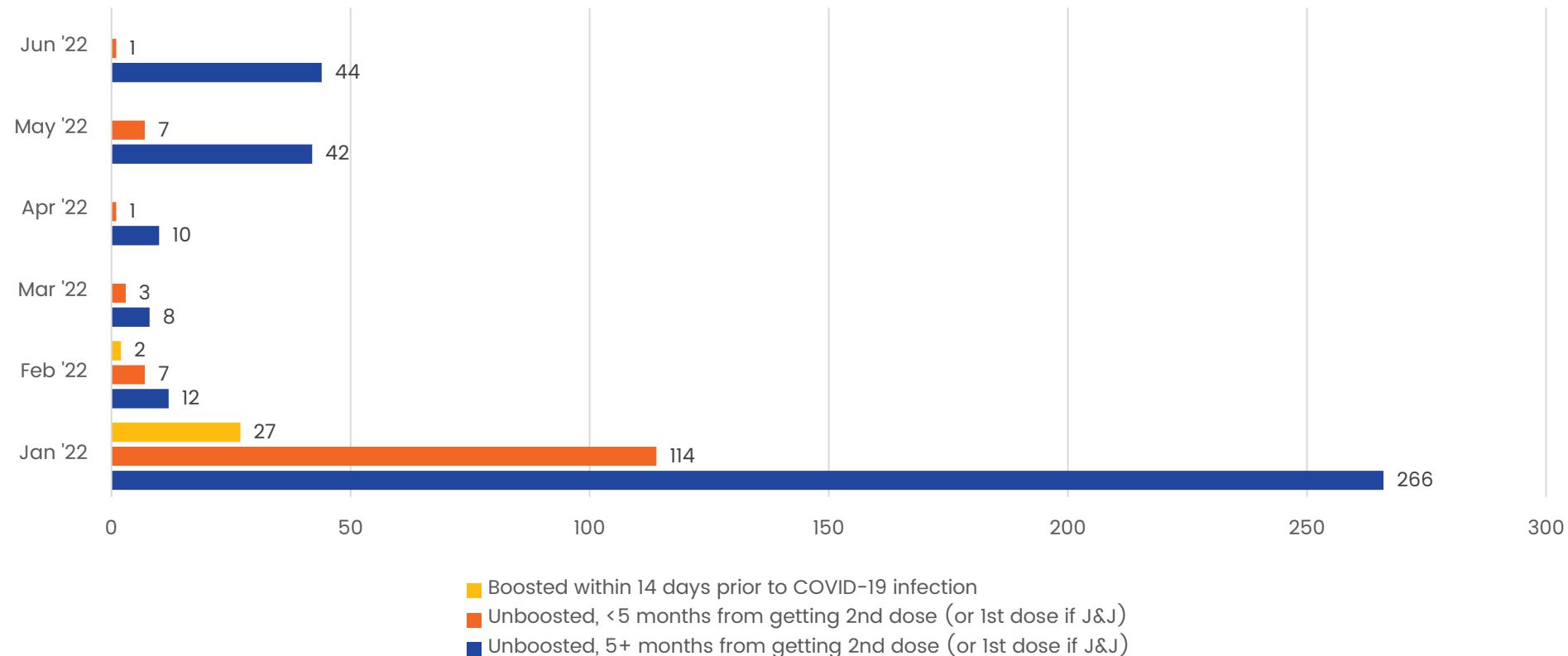
Unboosted vs. Boosted Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases



Boosted Breakthrough COVID-19 Cases



Unboosted Breakthrough COVID-19 Cases



COVID-19 Trends in Vaccinated Individuals

51 Vaccinated Cases
231 Total Cases

22.1% of total
November cases among
vaccinated individuals

Nov 2021

590 Vaccinated Cases
1,532 Total Cases

38.5% of total January
cases among vaccinated
individuals

Jan 2022

20 Vaccinated Cases
45 Total Cases

44.4% of total March
cases among vaccinated
individuals

Mar 2022

122 Vaccinated Cases
173 Total Cases

70.5% of total May cases
among vaccinated
individuals

May 2022

83 Vaccinated Cases
280 Total Cases

29.6% of total December
cases among vaccinated
individuals

Dec 2021

51 Vaccinated Cases
180 Total Cases

28.3% of total February
cases among vaccinated
individuals

Feb 2022

31 Vaccinated Cases
47 Total Cases

65.96% of total April
cases among vaccinated
individuals

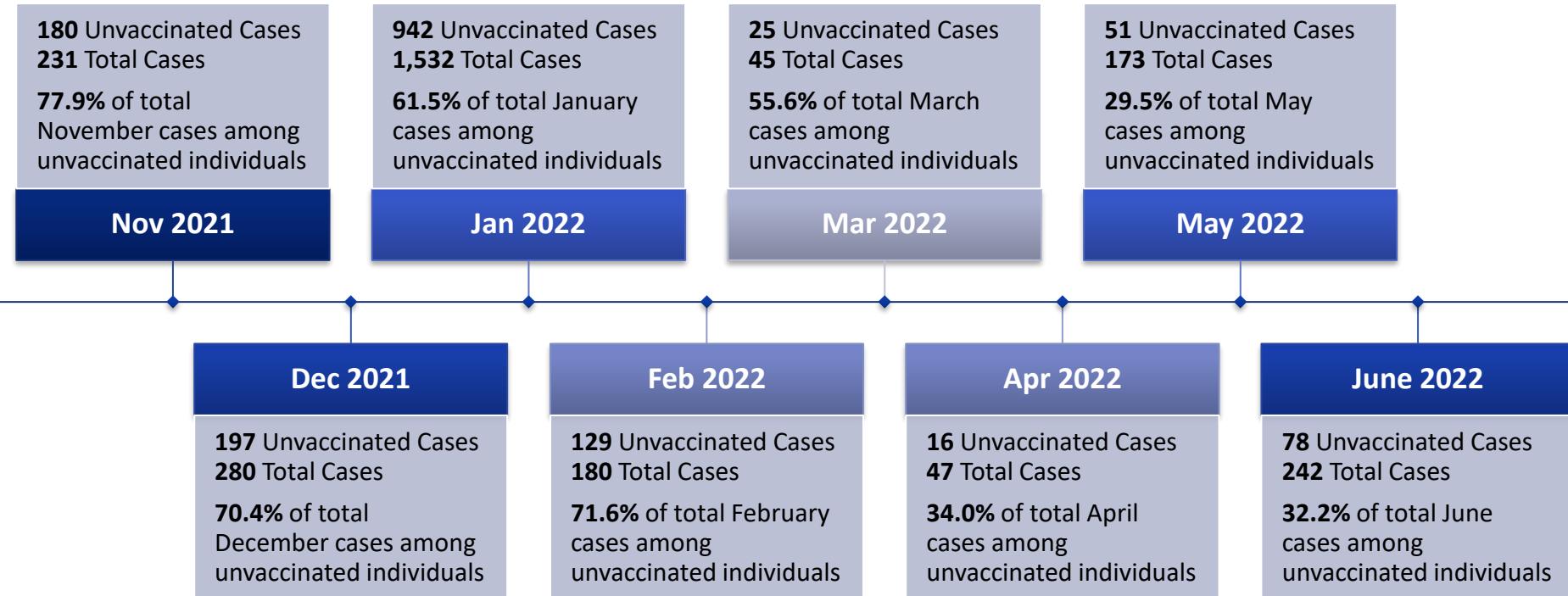
Apr 2022

164 Vaccinated Cases
242 Total Cases

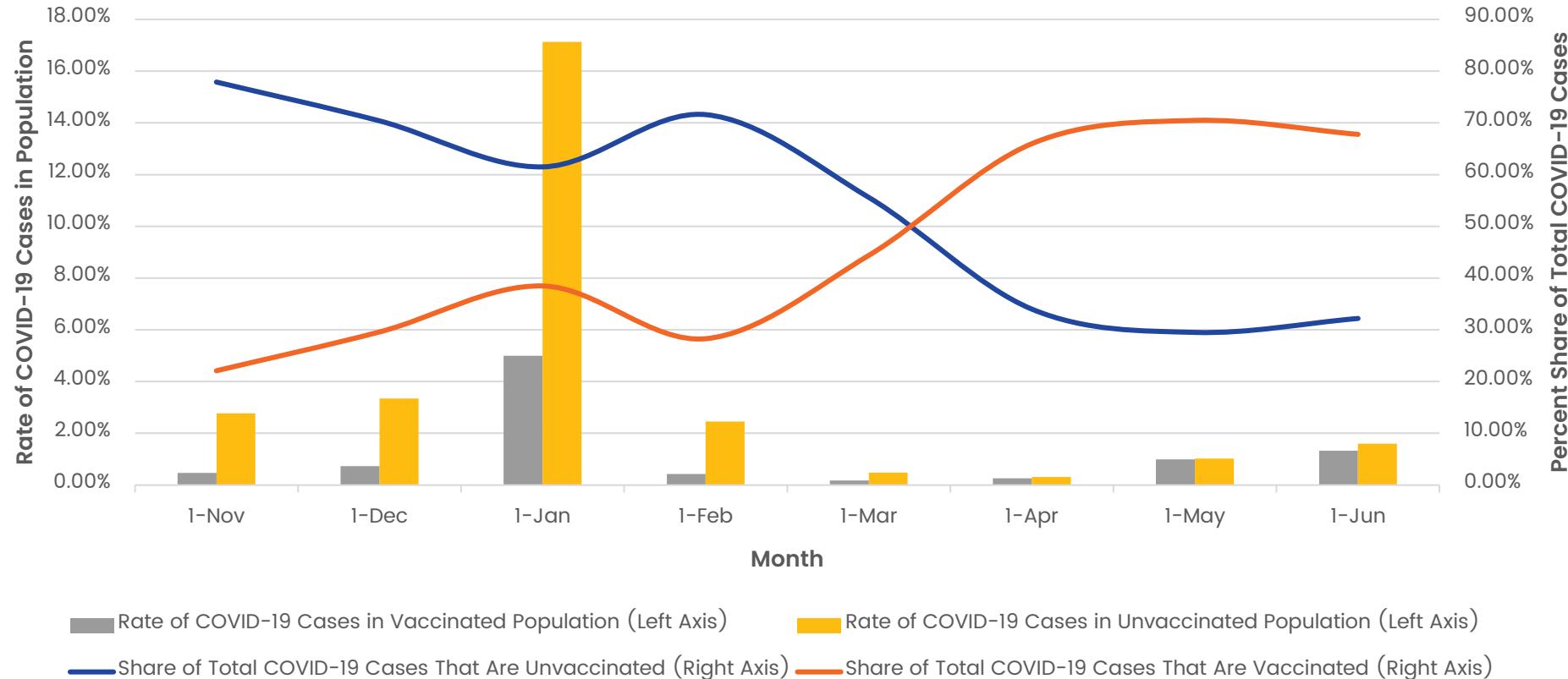
67.8% of total June
cases among vaccinated
individuals

June 2022

COVID-19 Trends in Unvaccinated Individuals



Rate and Share of COVID-19 Cases By Vaccination Status



Note:

Current analyses of COVID-19 among vaccinated individuals in Inyo County assesses **vaccine-eligible** individuals who received a positive COVID-19 PCR test result at least 14 days following the second dose of the currently available 2-dose mRNA vaccines (Pfizer or Moderna) or 14 days following the first and only dose of the currently available single-dose vaccine (J&J). Analyses are only estimates and data is subject to change.

Similarly, boosted breakthrough cases are defined as individuals with a COVID-19 positive PCR test result 14 days after receiving their 3rd dose if initially vaccinated with a two-dose series vaccine or 14 days after receiving their 2nd dose if initially vaccinated with the single-dose series J&J vaccine.

As of November 2, 2021, children aged 5 – 11 years are eligible to receive the primary two-dose Pfizer vaccine series plus one additional Pfizer booster dose.

Vaccination Status Definitions:

Unvaccinated persons have not received any dose of the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine.

Vaccinated persons have received at least the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine.

Partially Vaccinated persons have received one dose of a recommended 2-dose series of a currently available COVID-19 vaccine.

Fully Vaccinated persons have received the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine.

Boosted persons aged 12 years and older have received the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine plus one or two additional doses of a currently available COVID-19 vaccine. Individuals 5 – 11 years old who have received the two-dose Pfizer primary vaccine series plus one additional Pfizer dose are considered boosted.

Unboosted persons aged 12 years and older have received the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine and have not received an additional dose of the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine. Individuals 5 – 11 years old who have received the two-dose Pfizer primary vaccine and have not received one additional Pfizer dose are considered unboosted.

1 Booster persons aged 12 years and older have received the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine plus one additional dose of a currently available COVID-19 vaccine. Individuals 5 – 11 years old who have received the two-dose Pfizer primary vaccine series plus one additional Pfizer dose are included in this category.

2 Booster persons aged 12 years and older have received the recommended 2-dose or single-dose series of a currently available COVID-19 vaccine plus two additional doses of a currently available COVID-19 vaccine. Individuals 5 – 11 years old will not be included in this category.

Data Sources:

Data on vaccinated COVID-19 cases obtained from [CAIR II](#), California's statewide immunization reporting platform

Data on total COVID-19 cases in Inyo County obtained from California's infectious disease and contact tracing platforms [CalRedie](#) and [CalConnect](#)



Inyo County COVID-19 Response



Questions? Email:

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