



**Inyo County
COVID-19 Response**



Inyo County COVID-19 Vaccination Status Trends

Epidemiological Report as of July 2022

Inyo County Vaccination Trend Quick Facts:

- Total COVID-19 cases increased by **29% from June to July**
- Unvaccinated COVID-19 cases increased **87% from June to July**
- Vaccinated COVID-19 cases increased **1.2% from June to July**
- 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 twenty-one (21) individuals had received a second booster dose, all were within 5 months of 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, 74% of breakthrough cases occurred in individuals who had received at least one booster dose, however, 93% 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 88% 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 68.6% 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.

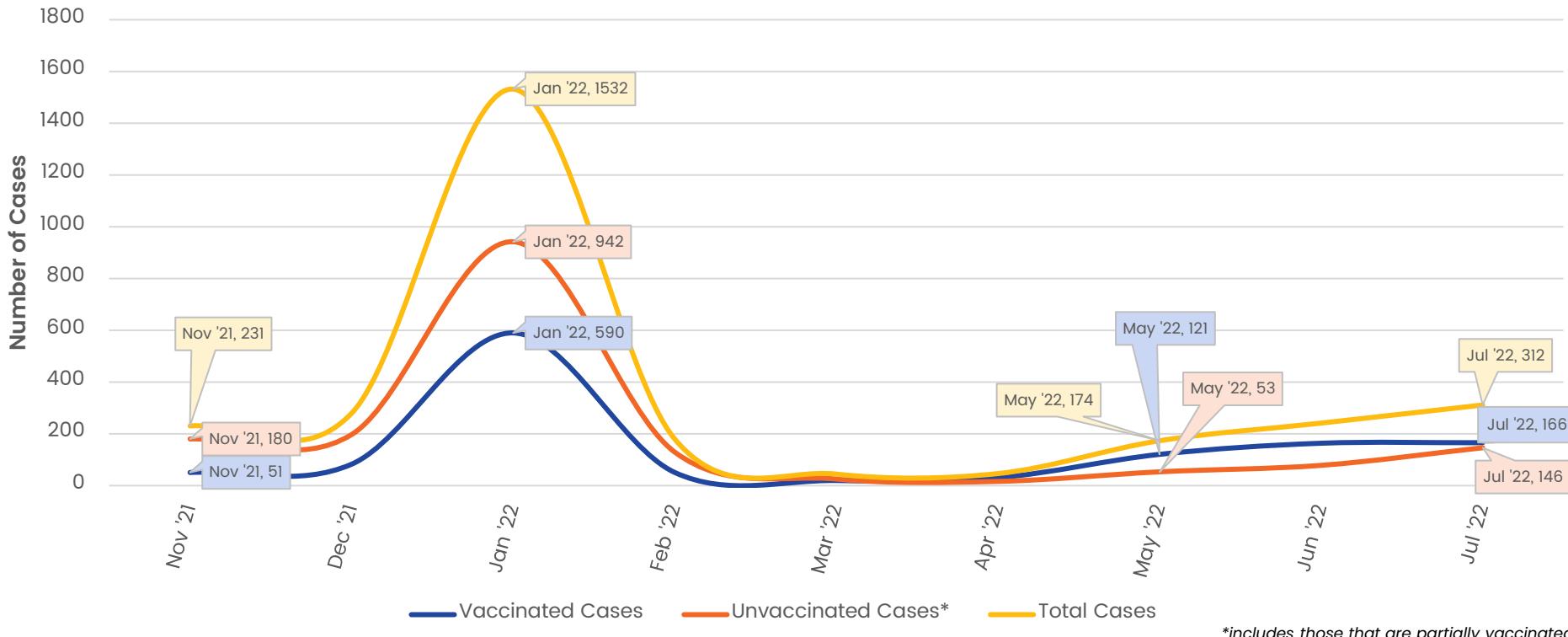
COVID-19 cases among unvaccinated individuals for the month of June occurred at a rate of 3.3% and COVID-19 cases among vaccinated individuals occurred at a rate of 1.33%, indicating that despite composing a smaller population, unvaccinated individuals in Inyo County continue to experience COVID-19 infections at a rate higher than vaccinated individuals.

Inyo County Vaccination Statistics as of July 26, 2022:

# Fully Vaccinated	% Fully Vaccinated	# Unvaccinated	% Unvaccinated
12,466	68.6%	4,815	26.5%

New Vaccinated and Unvaccinated Monthly COVID-19 Cases

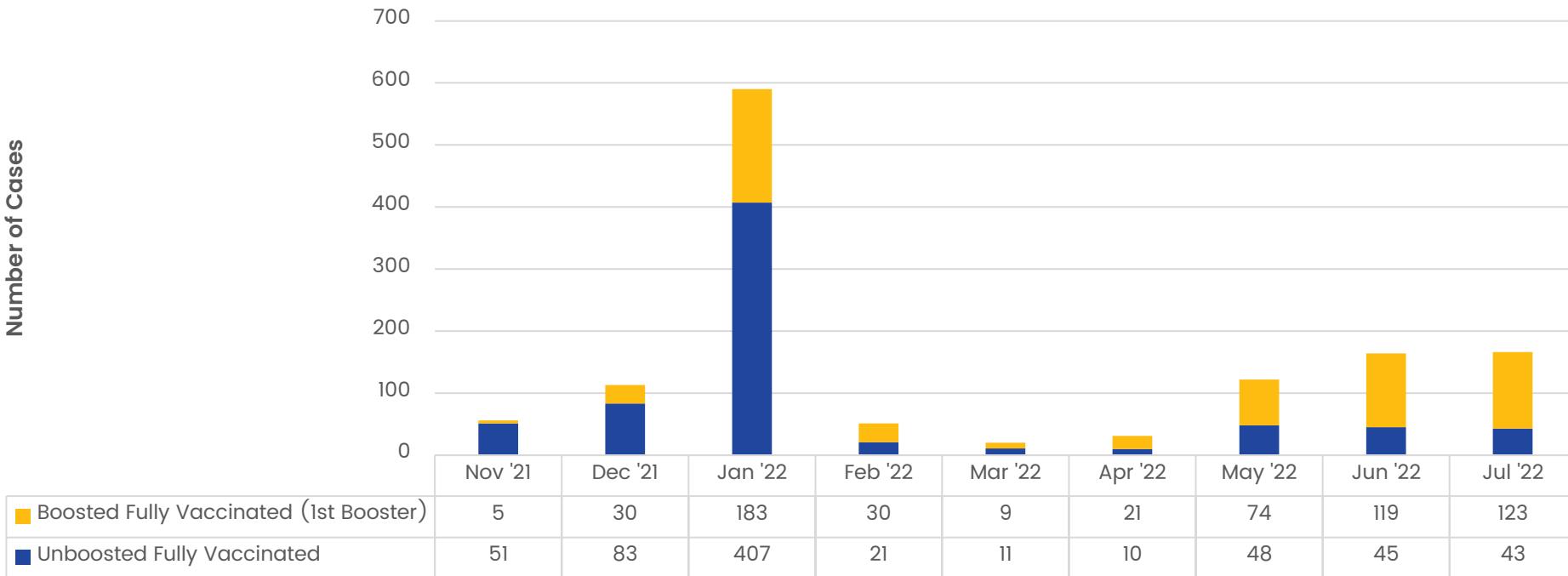
November 2021 - July 2022 | 9-Month Period



Unboosted vs. Boosted Monthly Breakthrough COVID-19 Cases

November 2021 - July 2022 | 9-Month Period

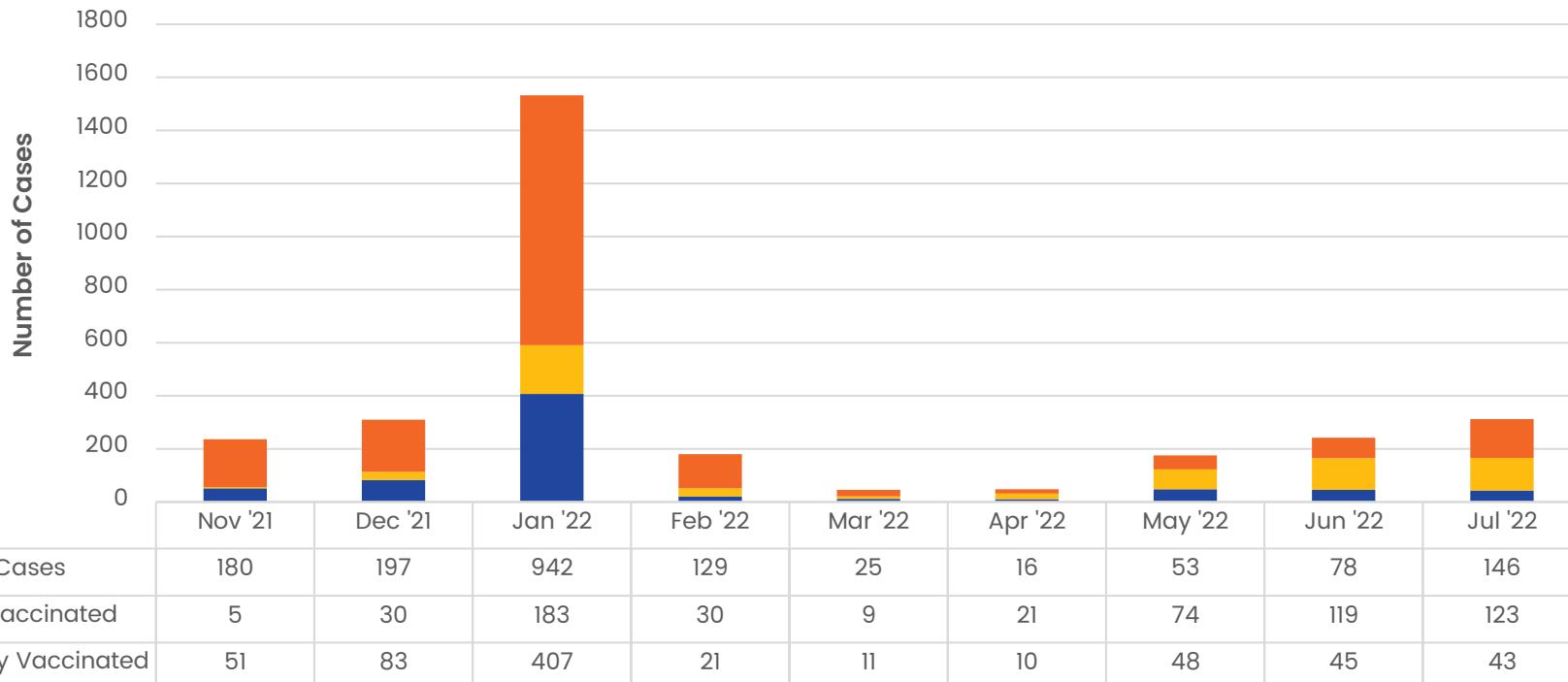
Number of Cases



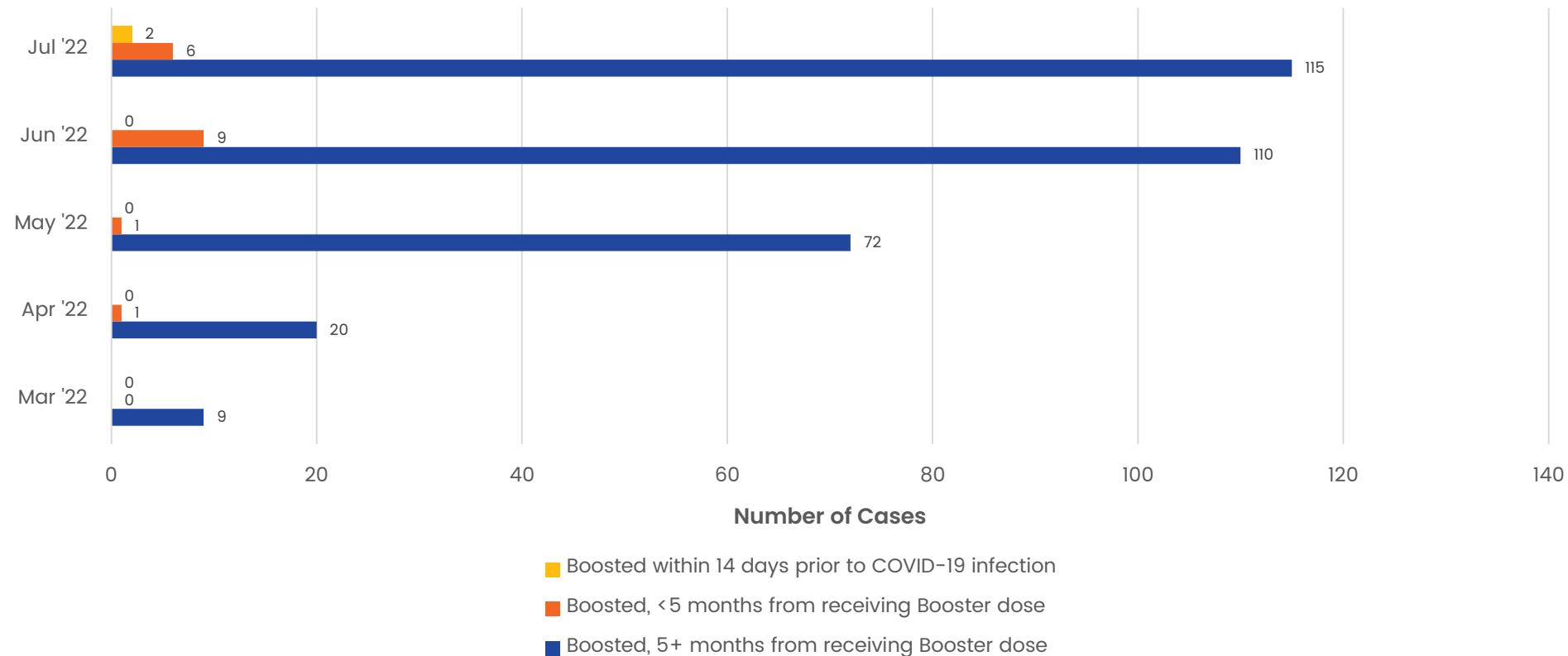
One (1) June Unboosted case not eligible for booster dose
Five (5) July Unboosted cases not eligible for booster dose

Unboosted and Boosted Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases

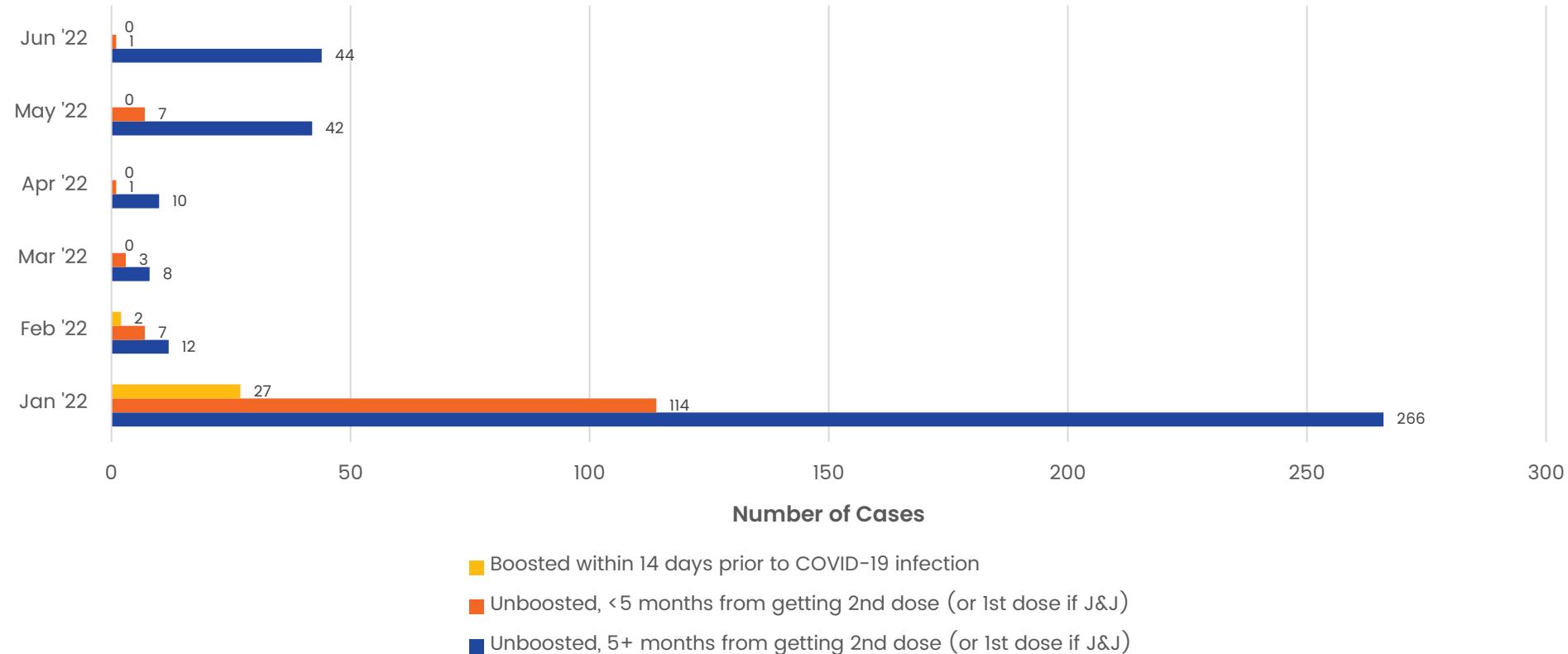
November 2021 – July 2022 | 9-Month Period



Boosted Breakthrough Monthly COVID-19 Cases



Unboosted Breakthrough Monthly COVID-19 Cases



COVID-19 Trends in Vaccinated Individuals

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

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

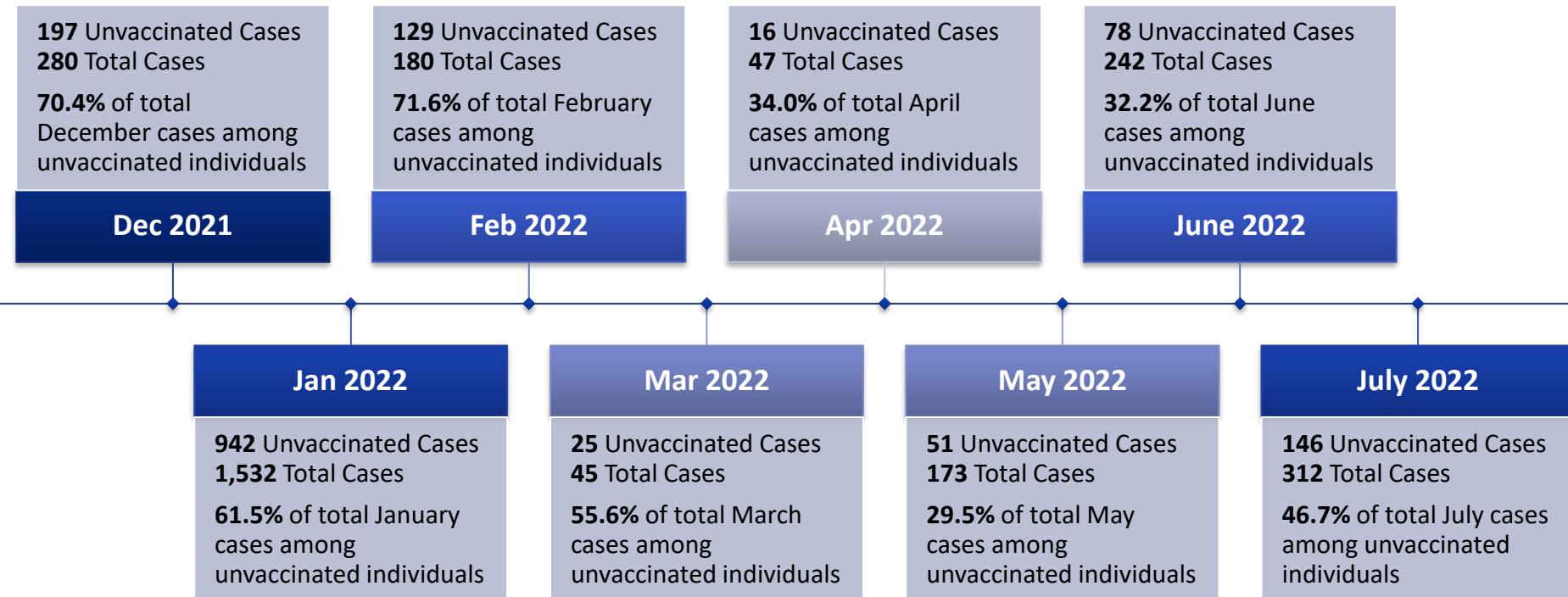
May 2022

166 Vaccinated Cases
312 Total Cases

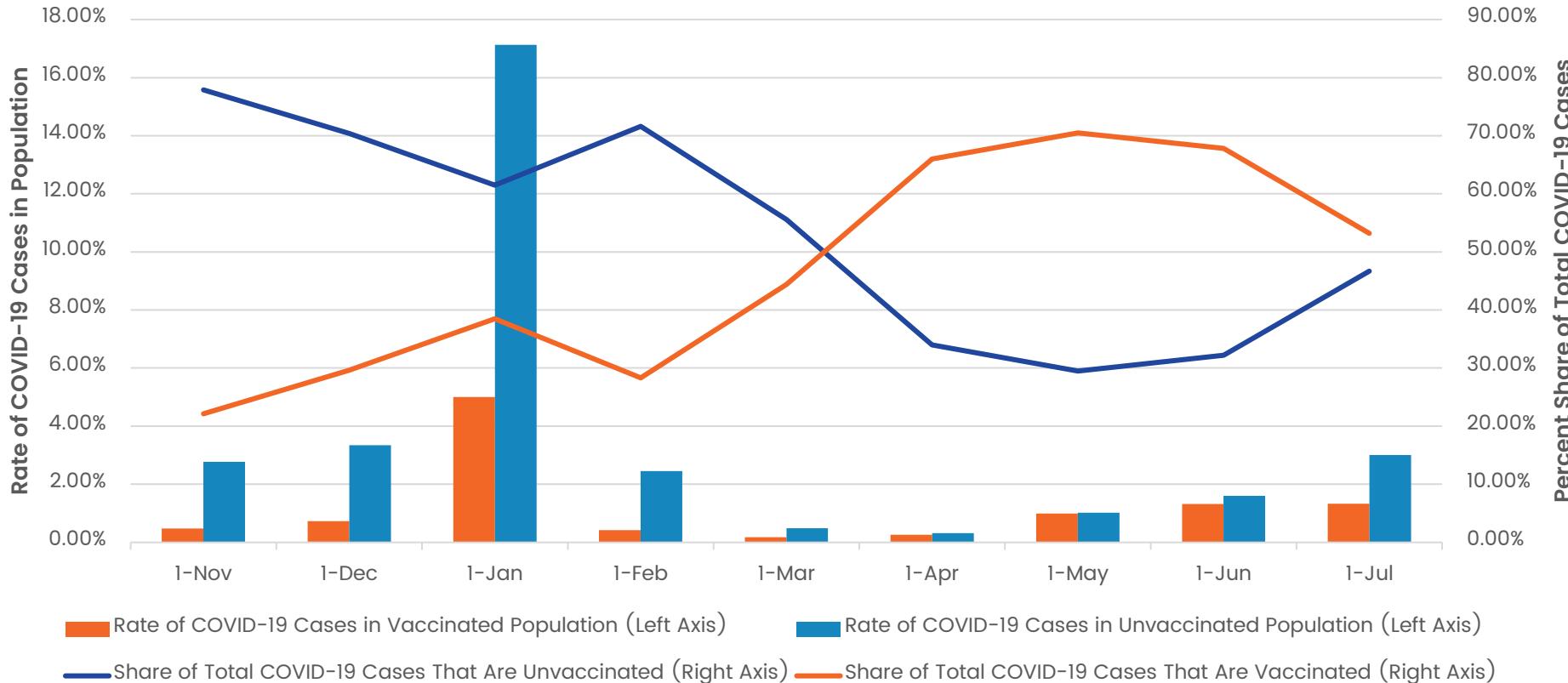
53.2% of total July cases among vaccinated individuals

July 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](#)



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Questions? Email:

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