



**Inyo County
COVID-19 Response**



Inyo County COVID-19 Trends: Vaccinated vs. Unvaccinated Cases

Epidemiological Report as of May 2022

Definitions – Vaccination Status:

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.

Notes:

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.

Quick Facts:

- Total COVID-19 cases in Inyo County have increased by 268% since the month of April
- Unvaccinated COVID-19 cases in Inyo County have increased by 225% since the month of April
- Vaccinated COVID-19 cases in Inyo County have increased by 290% since the month of April
- Most of the COVID-19 infections among vaccinated individuals in Inyo County occurred in persons whose most recent dose of a COVID-19 vaccine was more than 5 months prior to infection and may indicate a waning vaccine efficacy after 5 months in boosted and unboosted individuals
- Inyo County COVID-19 breakthrough infection rates confirm the important role that booster vaccines play in protection against COVID-19 infection
- 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 group

Monthly Summary:

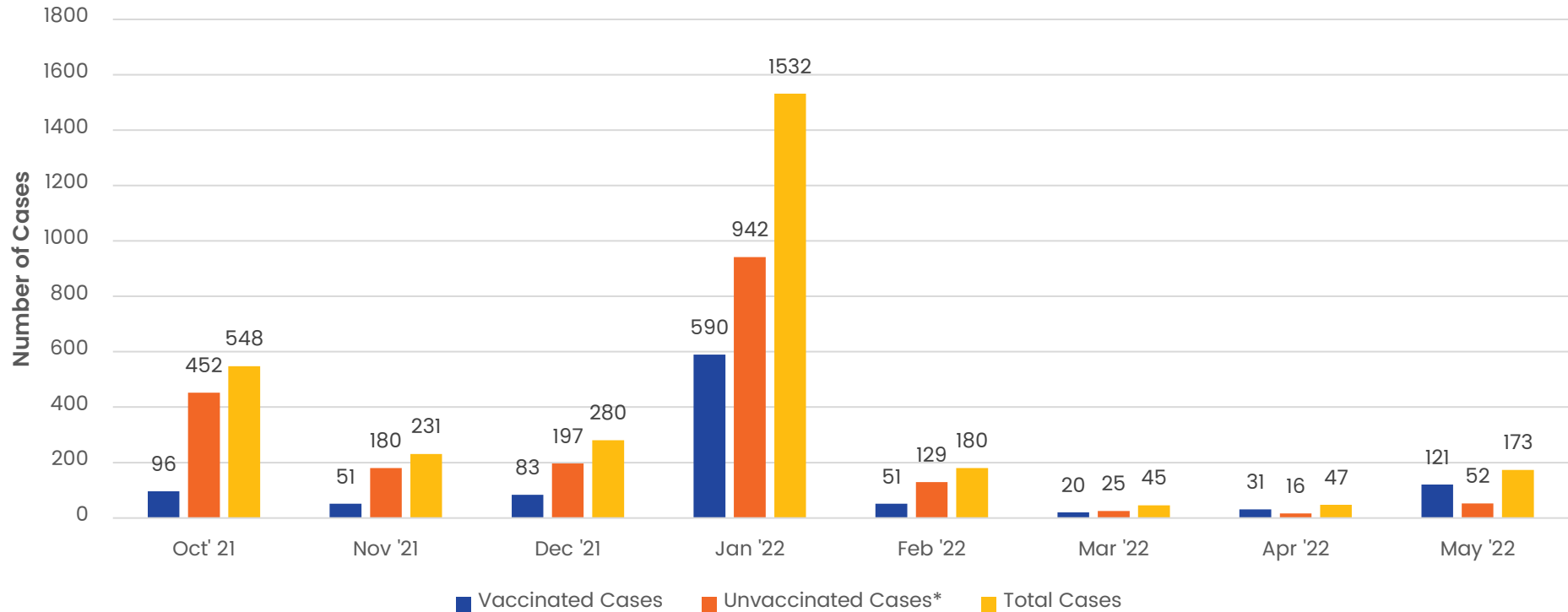
In May, 60% of breakthrough cases occurred in individuals who had received at least one booster dose, however, 98% of boosted individuals who experienced a breakthrough COVID-19 infection were more than 5 months out from their most recent dose of a COVID-19 vaccine and 86% of unboosted breakthrough cases 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 phenomenon is occurring because fully vaccinated individuals now compose more than 71.1% of the Inyo County 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.

As of 5/17/22, the number of unvaccinated person residing in Inyo County was 3,371 and the number of vaccinated persons residing in Inyo County was 12,291.

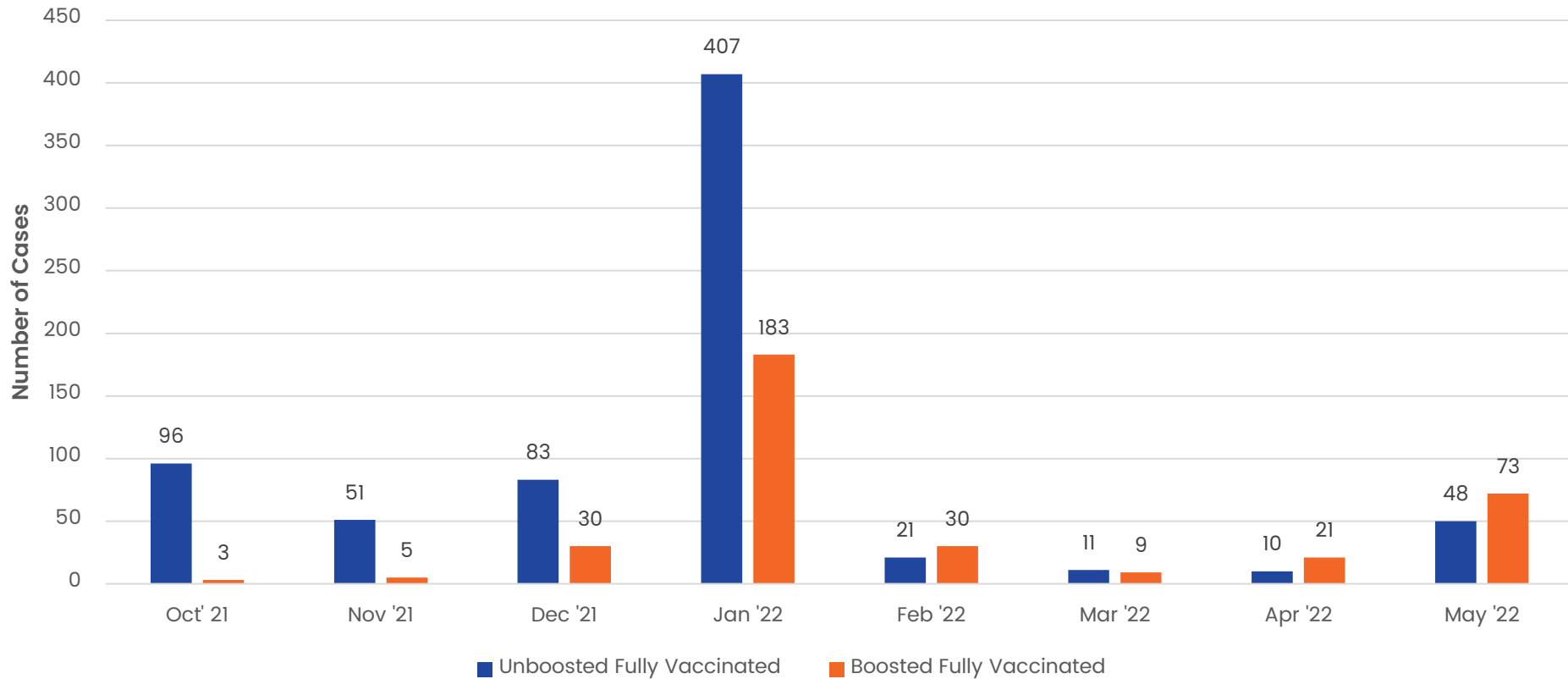
COVID-19 cases among unvaccinated individuals for the month of May occurred at a rate of 1.5% and COVID-19 cases among vaccinated individuals occurred at a rate of 0.9%, indicating that despite composing a smaller population, unvaccinated individuals in Inyo County continue to experience COVID-19 infections at a rate higher than vaccinated individuals.

Monthly Total Vaccinated vs. Unvaccinated COVID-19 Cases

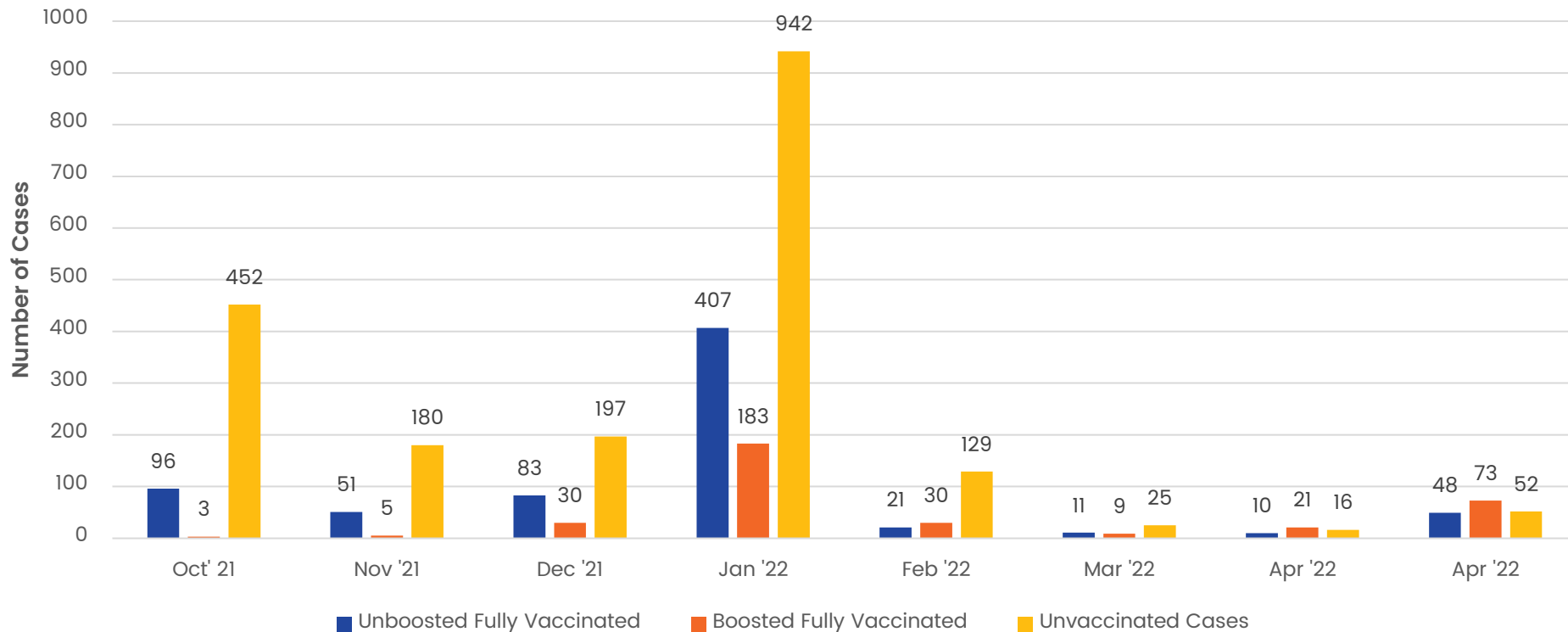


**includes those that are partially vaccinated*

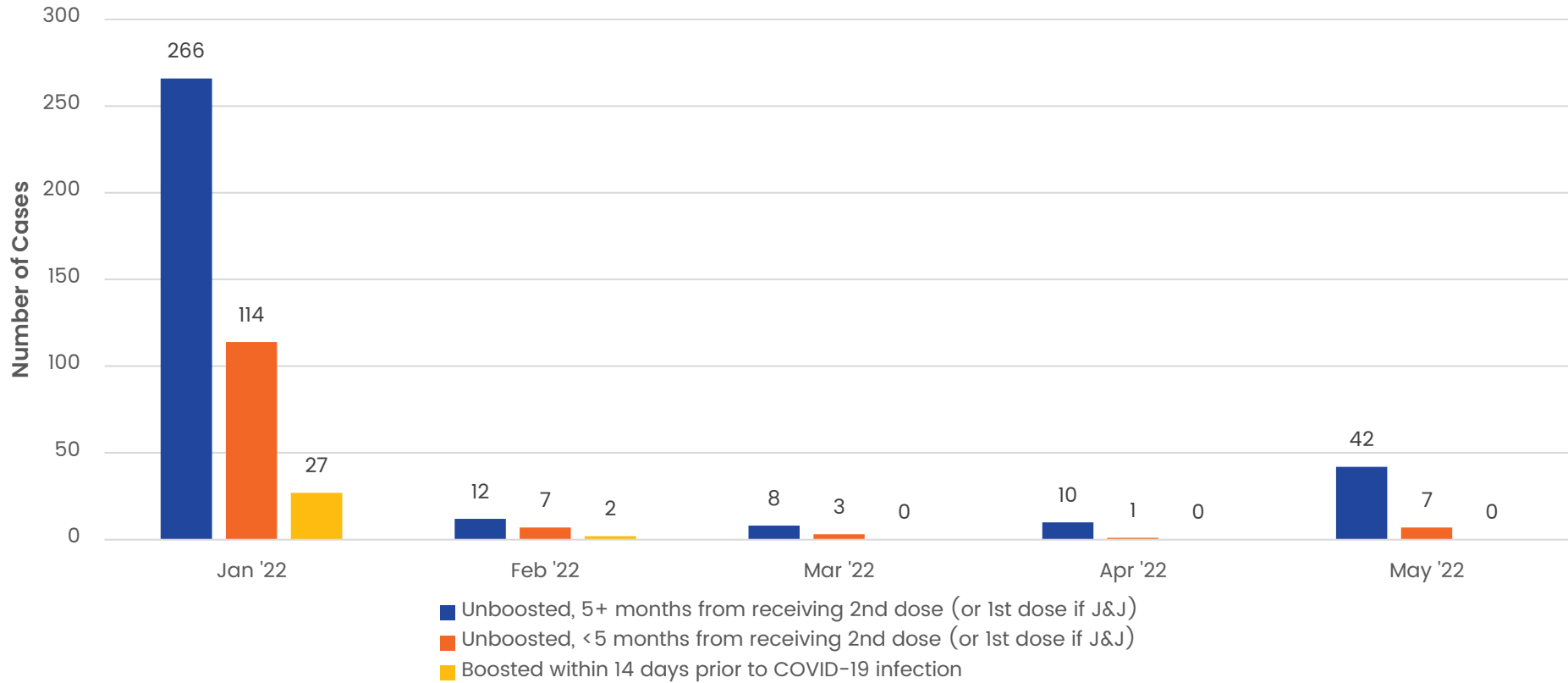
Unboosted vs. Boosted Monthly Breakthrough COVID-19 Cases



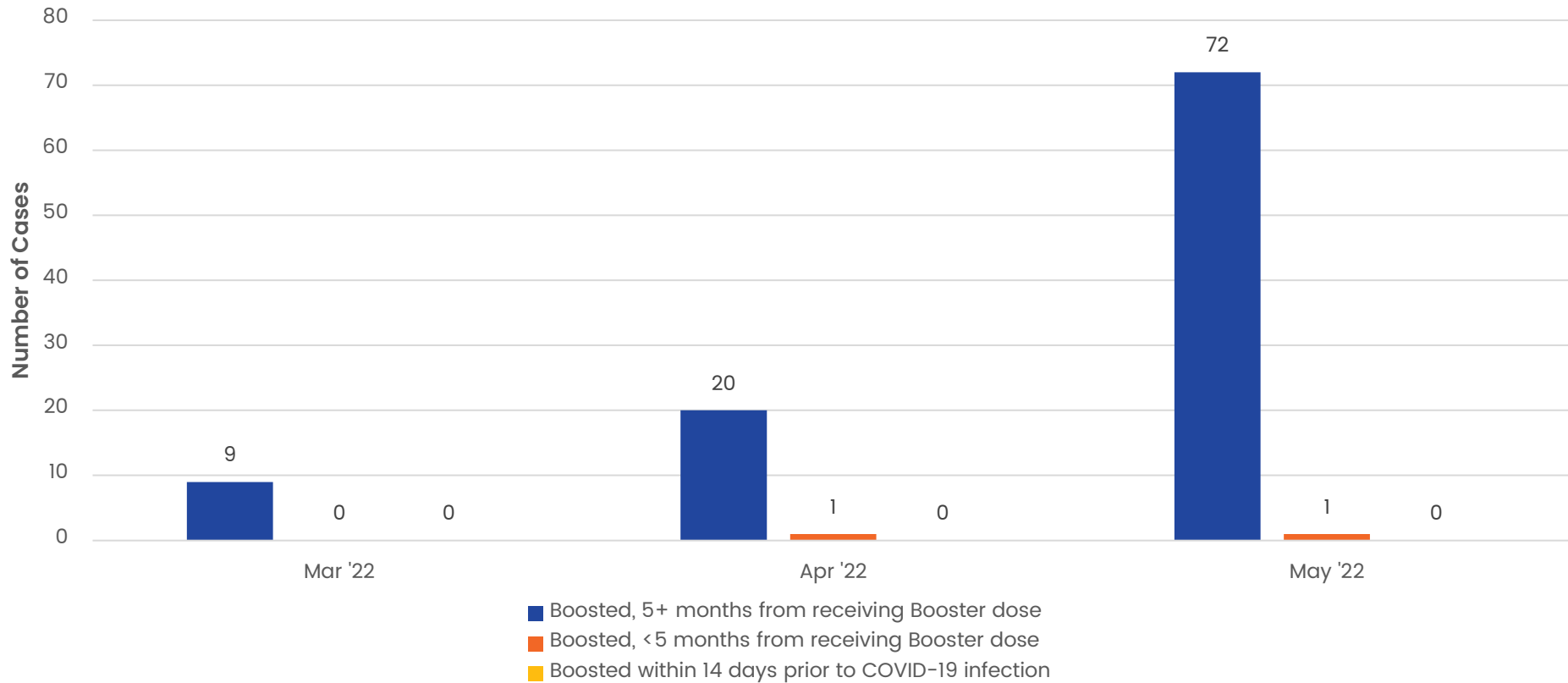
Unboosted vs. Boosted Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases



Breakdown of "Unboosted" Breakthrough COVID-19 Cases



Breakdown of "Boosted" Breakthrough COVID-19 Cases



COVID-19 Trends in Vaccinated Individuals

96 Vaccinated Cases
548 Total Cases
17.5% of total October cases among vaccinated individuals

Oct 2021

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

Nov 2021

51 Vaccinated Cases
231 Total Cases
22.1% of total November cases among vaccinated individuals

Jan 2022

590 Vaccinated Cases
1,532 Total Cases
38.5% of total January cases among vaccinated individuals

Mar 2022

20 Vaccinated Cases
45 Total Cases
44.4% of total March cases among vaccinated individuals

May 2022

122 Vaccinated Cases
173 Total Cases
70.5% of total May cases among vaccinated individuals

COVID-19 Trends in **Unvaccinated** Individuals

452 Unvaccinated Cases
548 Total Cases
82.5% of total October cases among unvaccinated individuals

Oct 2021

197 Unvaccinated Cases
280 Total Cases
70.4% of total December cases among unvaccinated individuals

Dec 2021

129 Unvaccinated Cases
180 Total Cases
71.6% of total February cases among unvaccinated individuals

Feb 2022

16 Unvaccinated Cases
47 Total Cases
34.0% of total April cases among unvaccinated individuals

Apr 2022

Nov 2021

180 Unvaccinated Cases
231 Total Cases
77.9% of total November cases among unvaccinated individuals

Jan 2022

942 Unvaccinated Cases
1,532 Total Cases
61.5% of total January cases among unvaccinated individuals

Mar 2022

25 Unvaccinated Cases
45 Total Cases
55.6% of total March cases among unvaccinated individuals

May 2022

51 Unvaccinated Cases
173 Total Cases
29.5% of total May cases among unvaccinated individuals

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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