



Inyo County COVID-19 Response



COVID-19 Cases By Vaccination Status

Epidemiological Report | September 2022

Inyo County Quick Facts:

- **Total COVID-19 cases in September decreased 21.2% from the previous month**
- **The rate of unvaccinated COVID-19 cases in September among those that are unvaccinated increased 10.6% from the previous month**
- **The rate of vaccinated COVID-19 cases in September among those that are vaccinated decreased 42.5% from the previous month**
- **As with the month of August, all breakthrough COVID-19 infections in the month of September occurred 5 or more months after the most recent dose of a COVID-19 vaccine, indicating a possible vaccine waning effect after 5 months**

Monthly Summary:

# Fully Vaccinated	% Fully Vaccinated	# Unvaccinated	% Unvaccinated
12,557	69.1%	5,615	30.9%

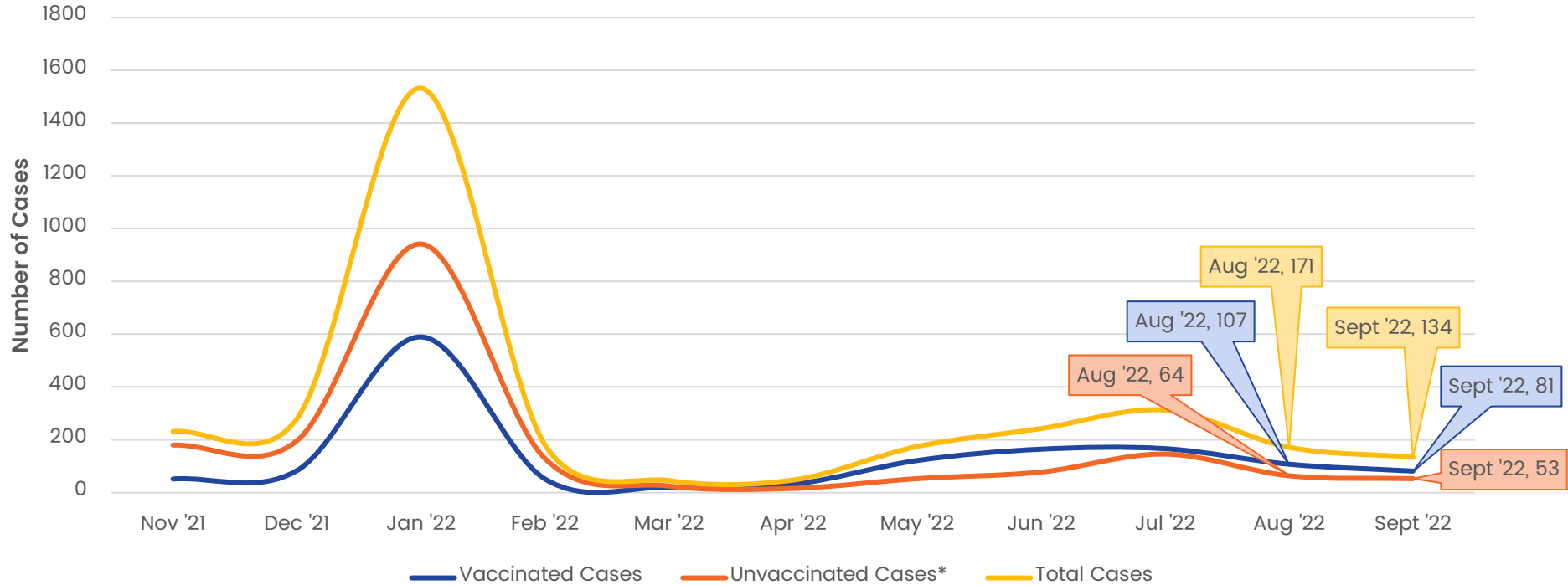
***Inyo County Vaccination Statistics as of September 29, 2022**

Vaccinated individuals represent a growing share of COVID-19 infections in Inyo County, as fully vaccinated individuals now compose approximately 68.9% 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.

Despite a possible vaccine waning effect 5 months from most recent dose of a COVID-19 vaccine, the rates of breakthrough infections corroborate the important role of booster doses in preventing COVID-19 infection and severe illness.

New Vaccinated and Unvaccinated Monthly COVID-19 Cases

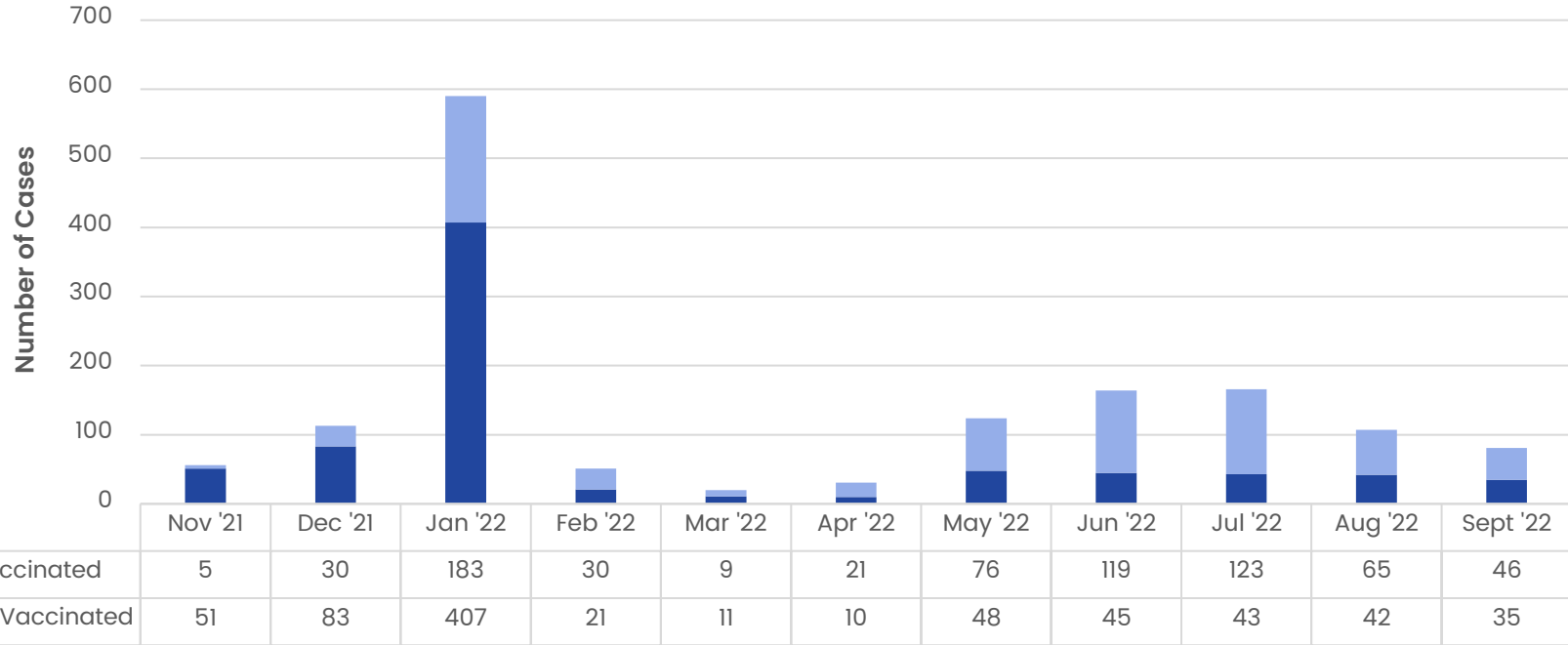
November 2021 - September 2022 | 11-Month Period



*includes those that are partially vaccinated

Unboosted vs. Boosted* Monthly Breakthrough COVID-19 Cases

November 2021 – September 2022 | 11-Month Period

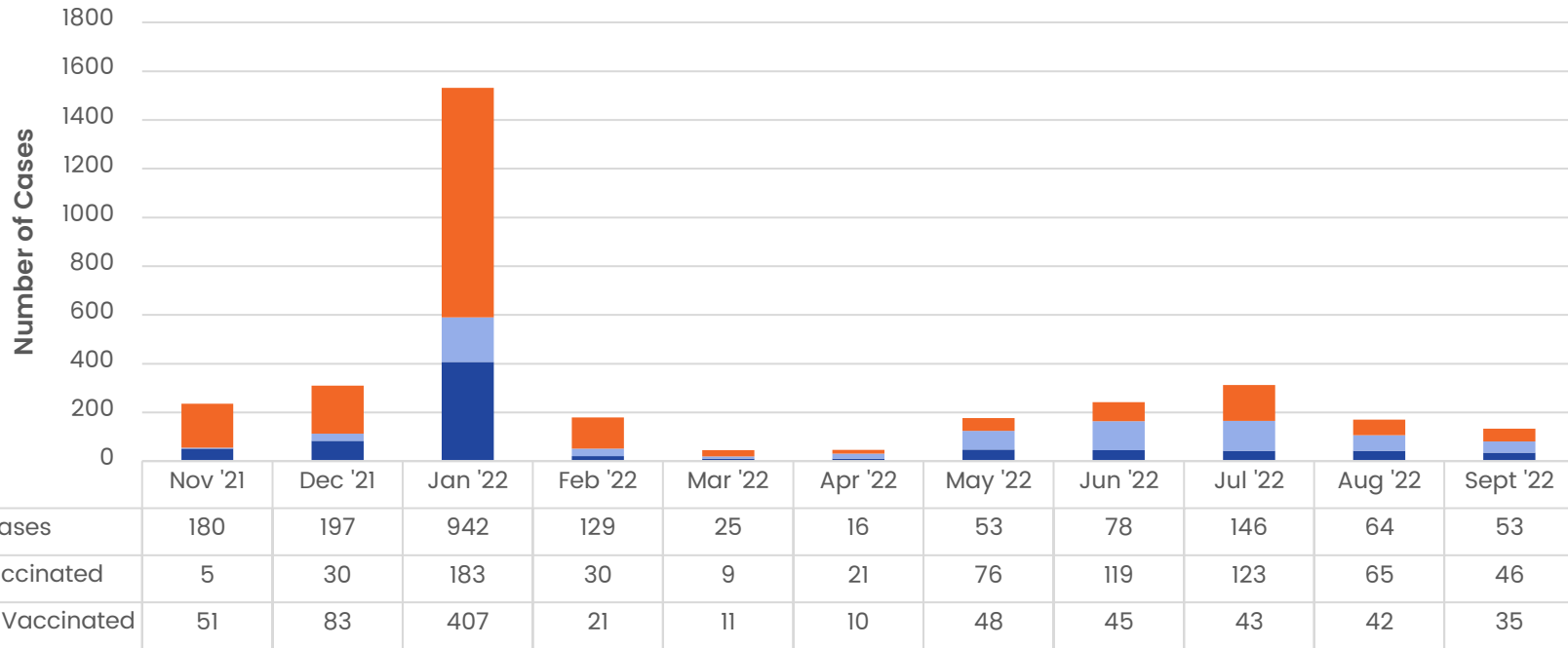


One (1) June Unboosted case not eligible for booster dose
 Five (5) July Unboosted cases not eligible for booster dose
 One (1) August Unboosted case not eligible for booster dose

*considers 1st booster dose following primary series

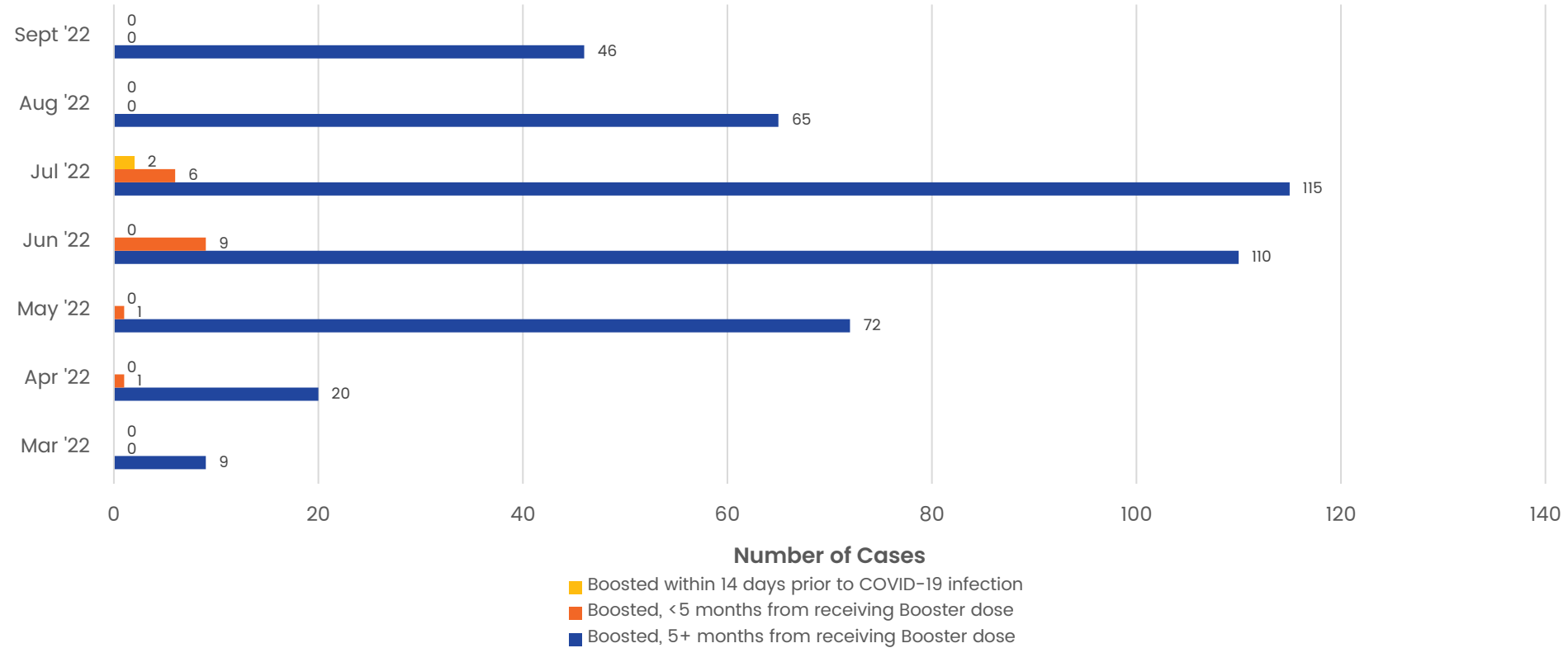
Unboosted and Boosted* Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases

November 2021 - September 2022 | 11-Month Period



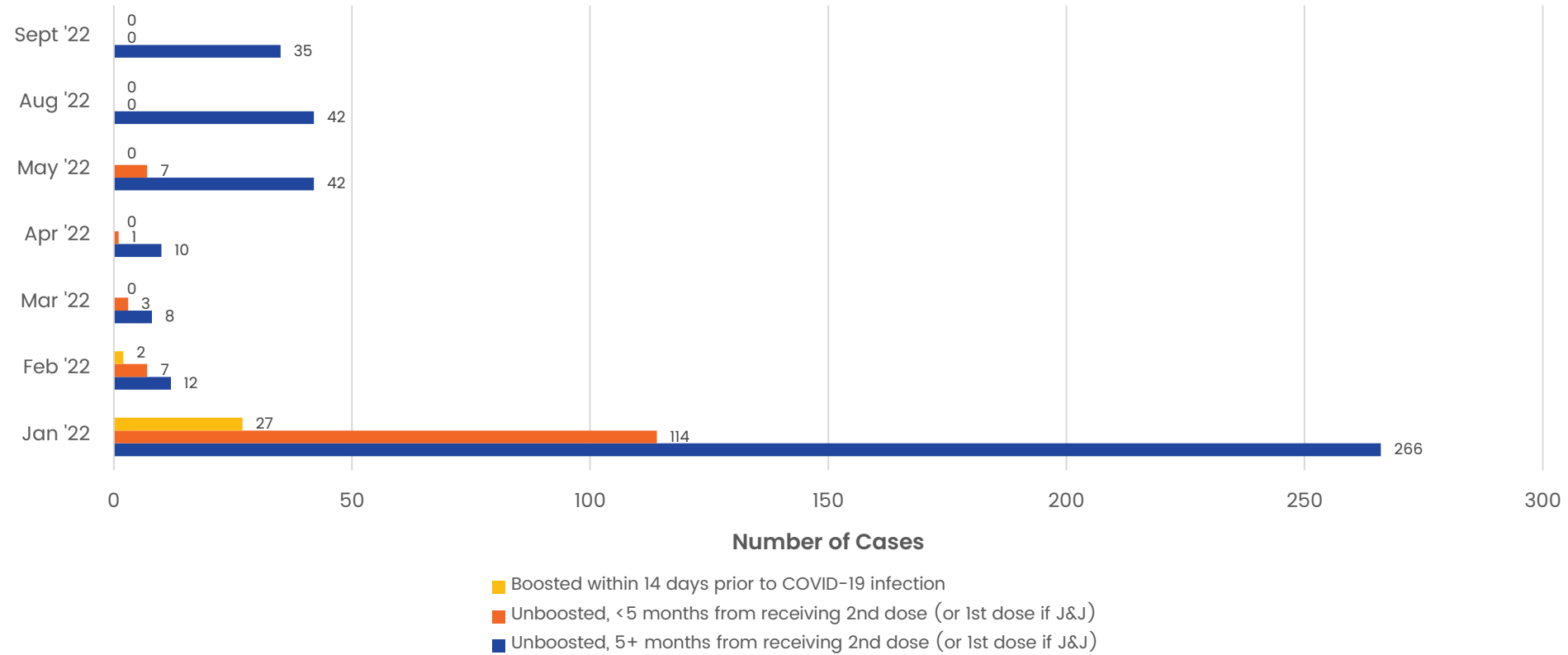
**considers 1st booster dose following primary series*

Boosted* Breakthrough Monthly COVID-19 Cases



**considers 1st booster dose following primary series*

Unboosted Breakthrough Monthly COVID-19 Cases



COVID-19 Trends in Vaccinated Individuals

590 Vaccinated Cases
1532 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

81 Vaccinated Cases
134 Total Cases
60.4% of total August
cases among
vaccinated individuals

September 2022

Feb 2022

51 Vaccinated Cases
180 Total Cases
28.3% of total
February cases
among vaccinated
individuals

Apr 2022

31 Vaccinated Cases
47 Total Cases
65.96% of total April
cases among
vaccinated individuals

June 2022

164 Vaccinated Cases
242 Total Cases
67.8% of total June
cases among
vaccinated individuals

August 2022

107 Vaccinated Cases
171 Total Cases
62.6% of total August
cases among
vaccinated individuals

COVID-19 Trends in Unvaccinated Individuals

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

78 Unvaccinated Cases
242 Total Cases
32.2% of total June cases among unvaccinated individuals

June 2022

64 Unvaccinated Cases
171 Total Cases
37.4% of total August cases among unvaccinated individuals

August 2022

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

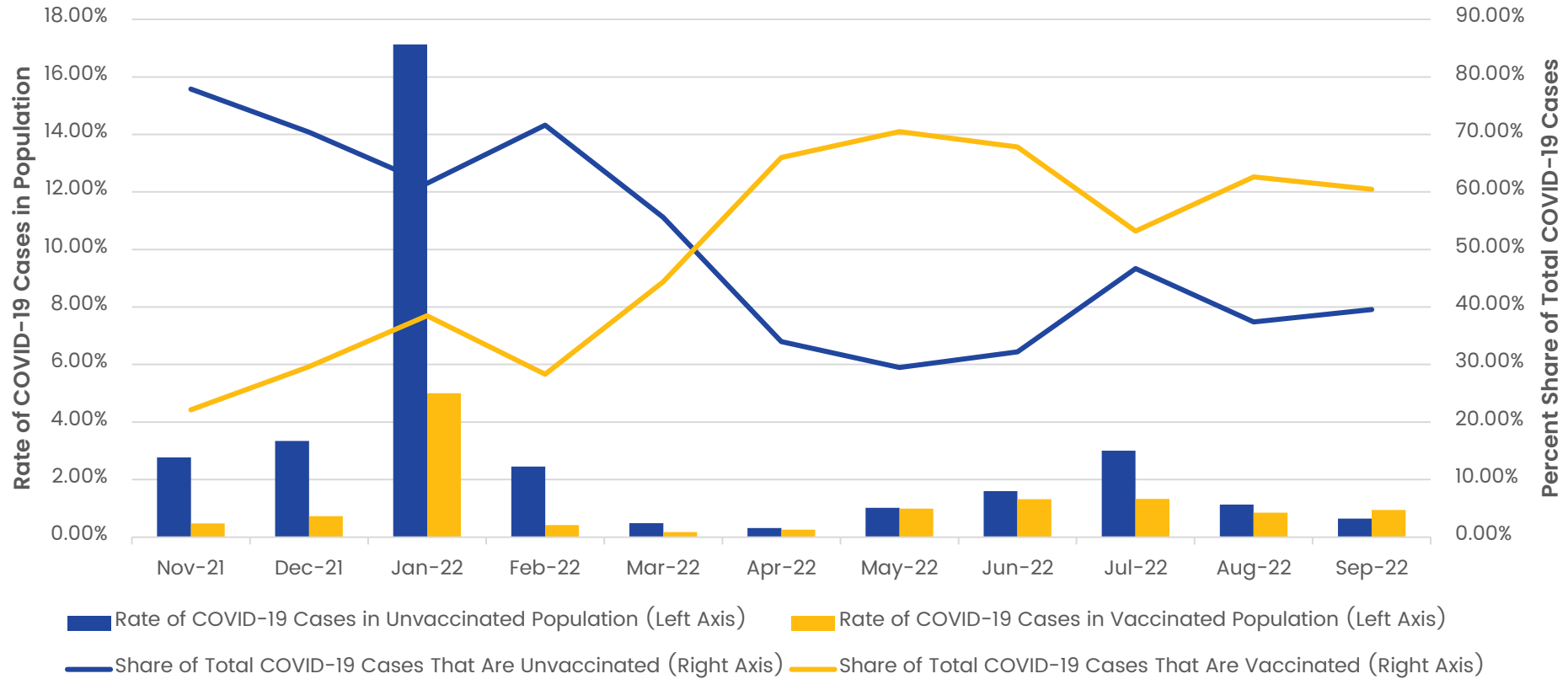
July 2022

146 Unvaccinated Cases
312 Total Cases
46.7% of total July cases among unvaccinated individuals

September 2022

53 Unvaccinated Cases
134 Total Cases
39.6% of total August cases among 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:

HealthOfficer@inyocounty.us

or

VaccineInfo@inyocounty.us