



Inyo County COVID-19 Response



COVID-19 Cases By Vaccination Status

Epidemiological Report | through October 2022

Inyo County Quick Facts:

- Total COVID-19 cases in September decreased 42.5% from the previous month
- The rate of unvaccinated COVID-19 cases in September among those that are unvaccinated decreased 54.3% from the previous month
- The rate of vaccinated COVID-19 cases in September among those that are vaccinated decreased 35.4% from the previous month
- As with the month of September, all but one breakthrough COVID-19 infections in the month of October 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*
12,611	69.4%	5,561	30.6%

Inyo County Vaccination Statistics as of October 13, 2022

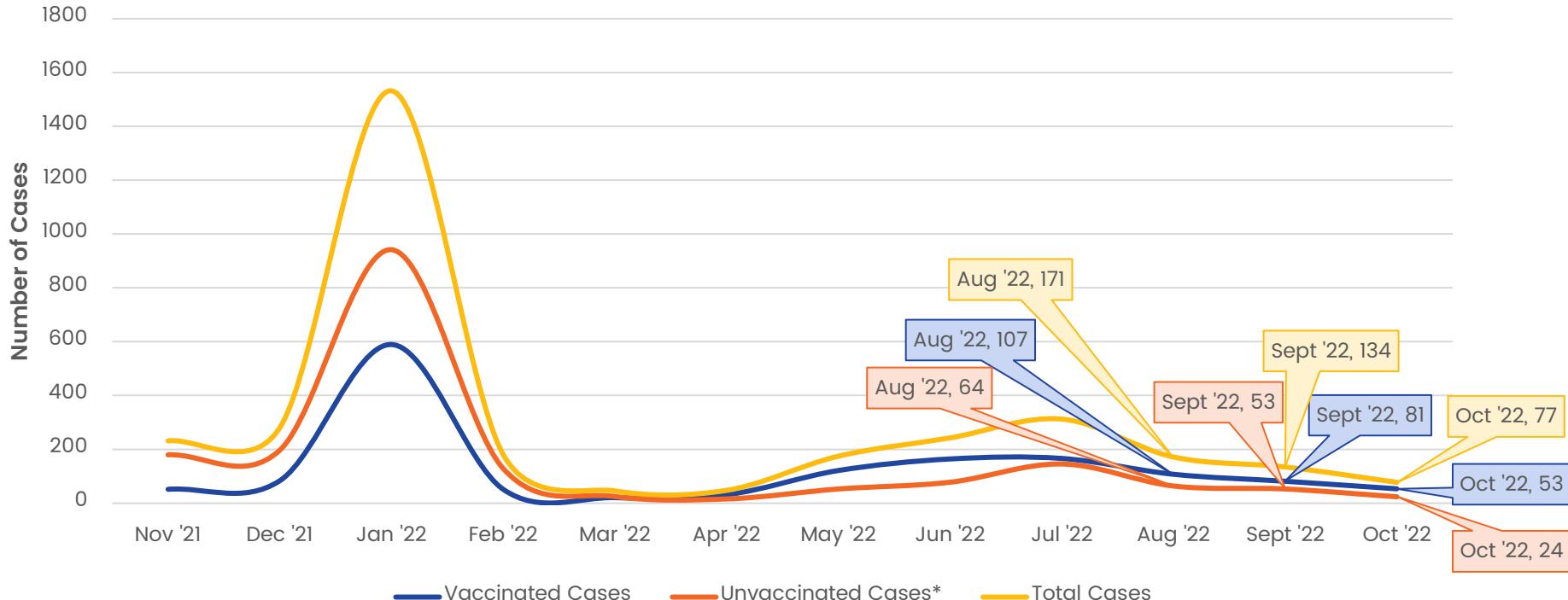
Vaccinated individuals represent a growing share of COVID-19 infections in Inyo County, as fully vaccinated individuals now compose approximately 69.4% of Inyo County's vaccine-eligible population. Despite the growing share of COVID-19 infections among fully vaccinated individuals, unvaccinated individuals 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.

**Includes partially vaccinated persons*

Vaccinated, Unvaccinated* & Total Monthly COVID-19 Cases

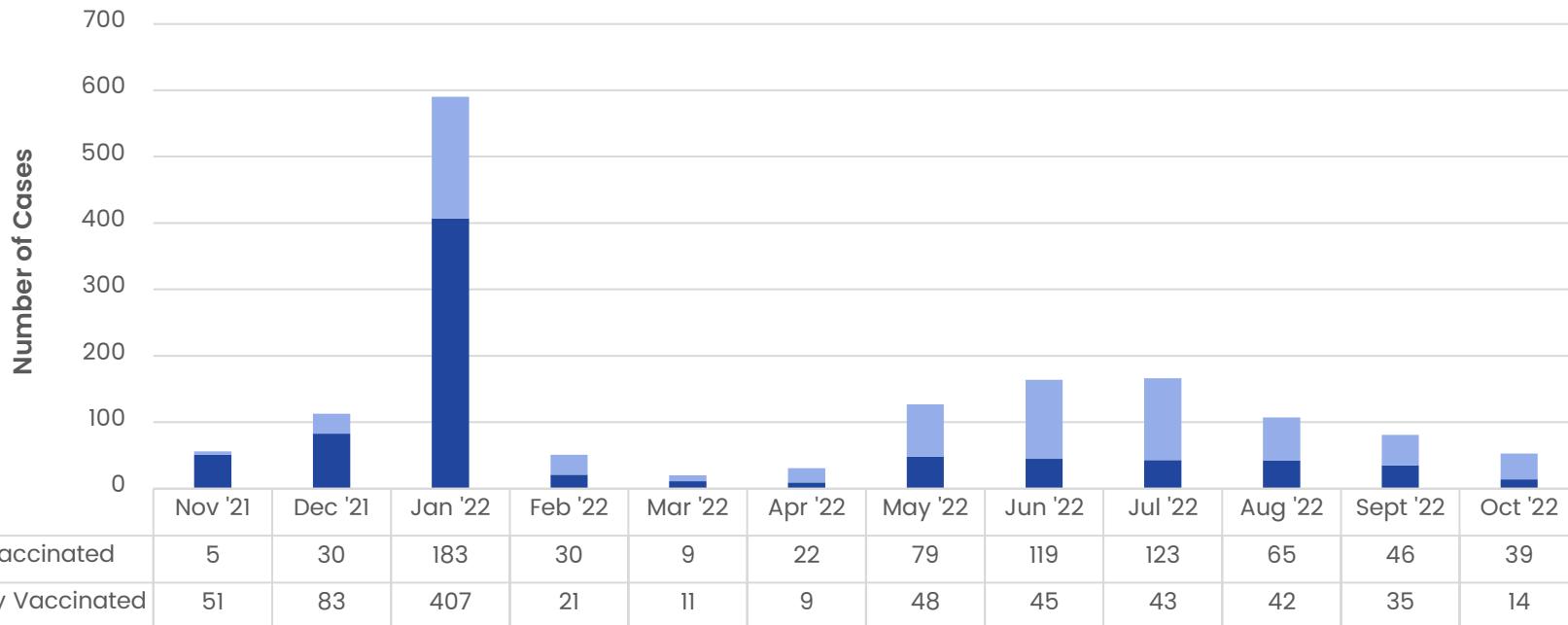
November 2021 - October 2022 | 12-Month Period



*Includes partially vaccinated persons

Monthly Breakthrough COVID-19 Cases by Boosted* Status

November 2021 - October 2022 | 12-Month Period

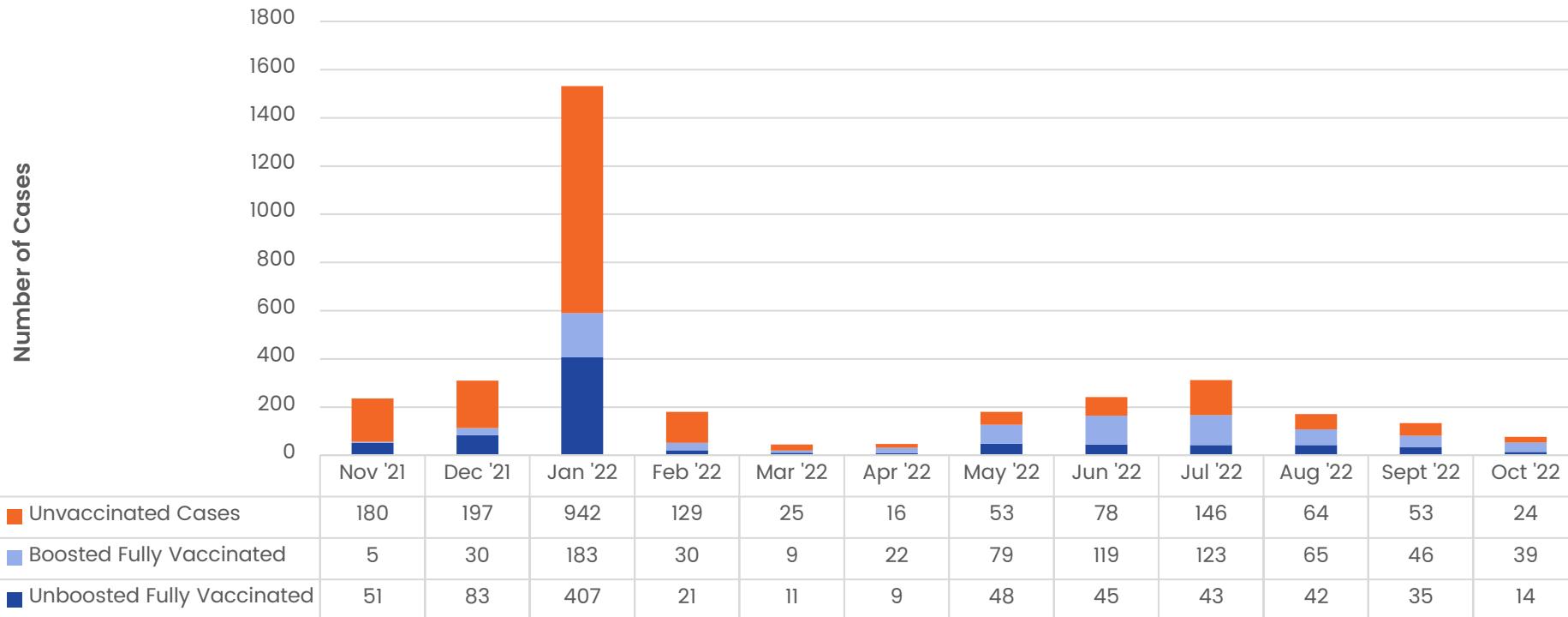


One (1) June Unboosted case not eligible for booster dose
Five (5) July Unboosted cases not eligible for booster dose
One (1) August Unboosted case not eligible for booster dose
One (1) October Unboosted case not eligible for booster dose

*Includes persons who have received at least one COVID-19 booster dose following primary series vaccination

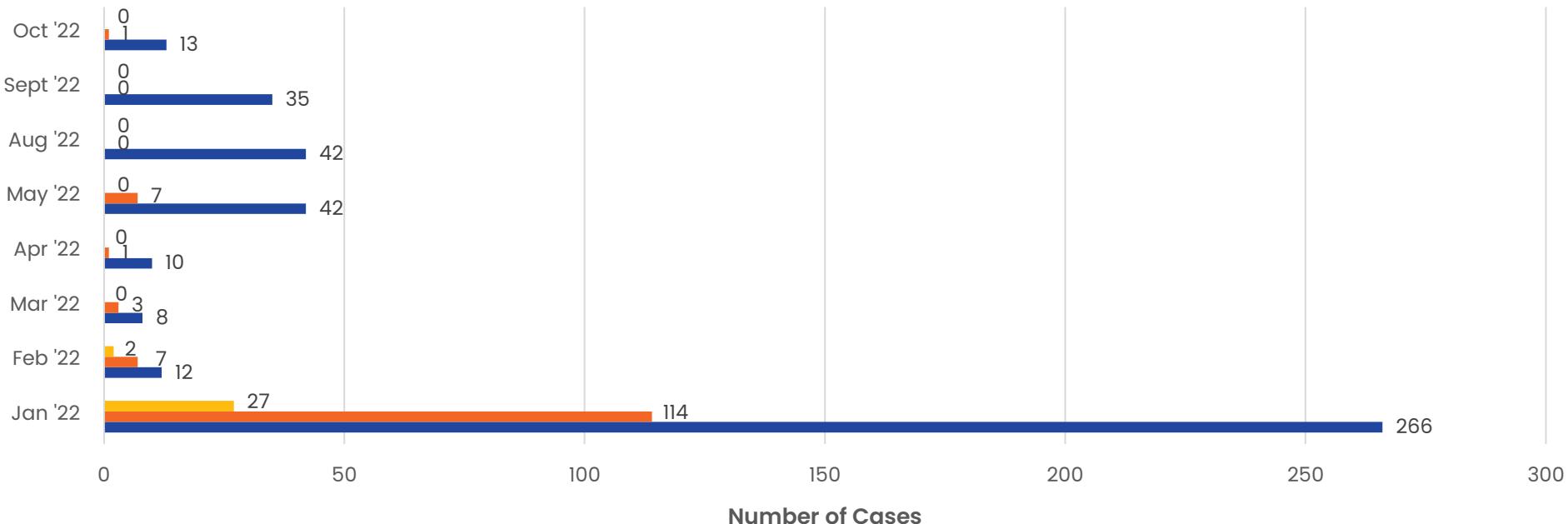
Monthly Unvaccinated vs. Breakthrough COVID-19 Cases by Boosted* Status

November 2021 - October 2022 | 12-Month Period



*Includes persons who have received at least one COVID-19 booster dose following primary series vaccination

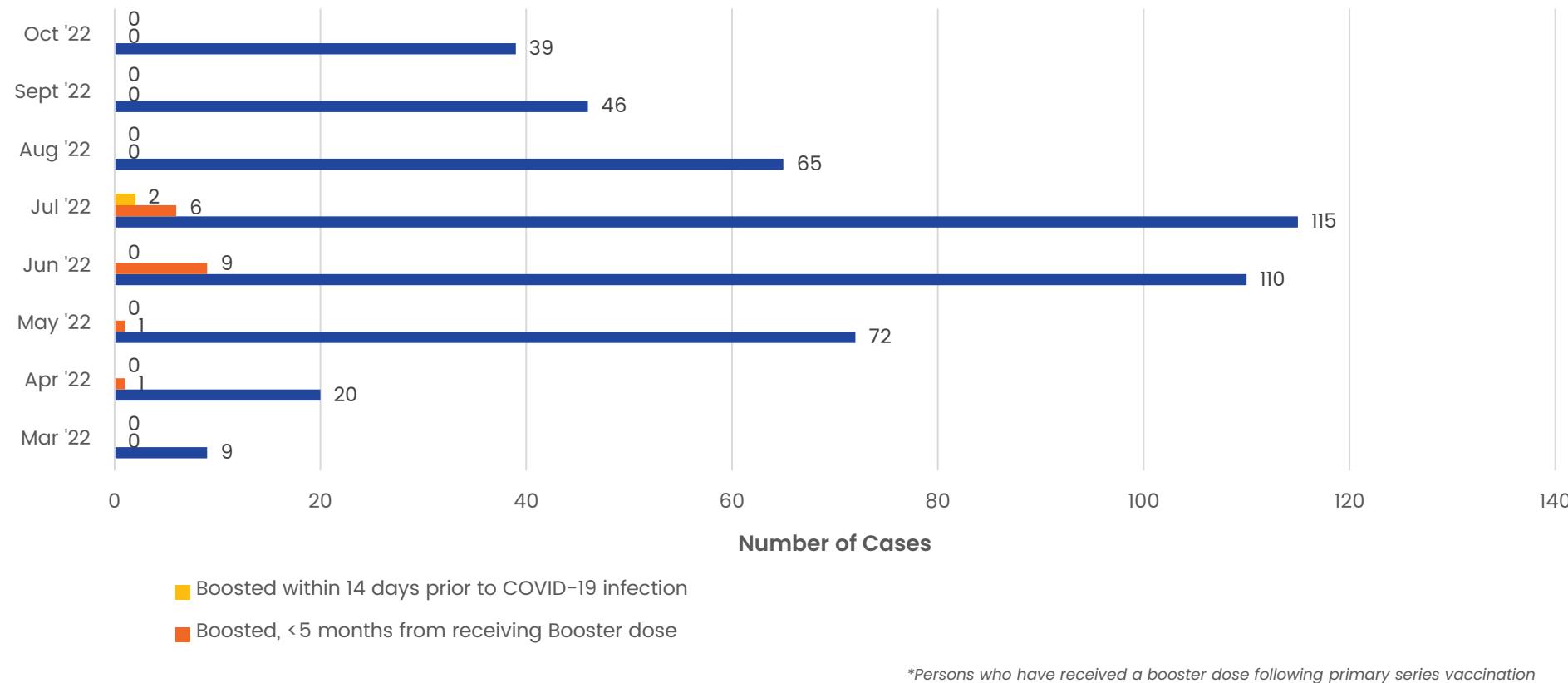
Monthly Unboosted* Breakthrough COVID-19 Cases



- Boosted within 14 days prior to COVID-19 infection
- Unboosted, <5 months from receiving 2nd dose (or 1st dose if J&J)
- Unboosted, 5+ months from receiving 2nd dose (or 1st dose if J&J)

*Persons who have not received a booster dose following primary series vaccination

Monthly Boosted* Breakthrough COVID-19 Cases



COVID-19 Trends in Vaccinated Individuals

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 September cases among vaccinated individuals

September 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

107 Vaccinated Cases

171 Total Cases

62.6% of total August cases among vaccinated individuals

October 2022

53 Vaccinated Cases

77 Total Cases

68.8% of total October cases among vaccinated individuals

COVID-19 Trends in Unvaccinated Individuals

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

Mar 2022

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

May 2022

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

July 2022

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

September 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

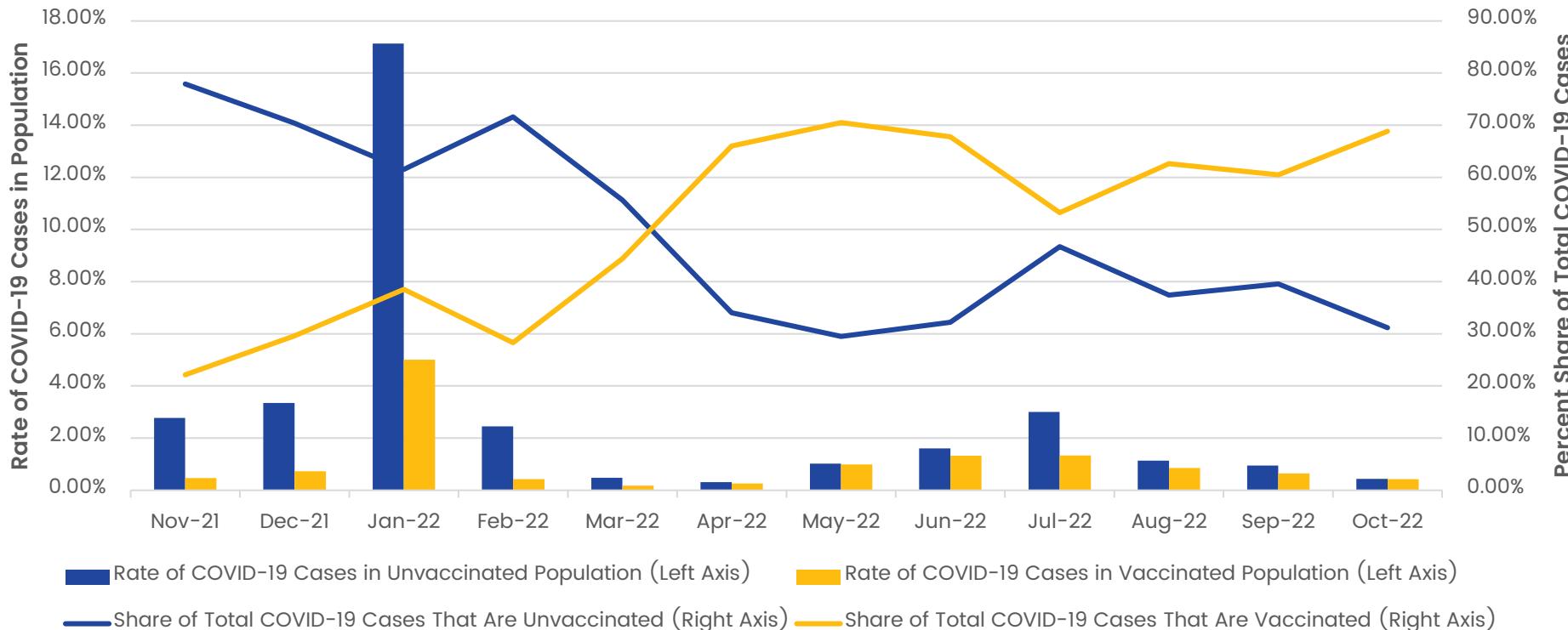
August 2022

24 Unvaccinated Cases
77 Total Cases
31.2% of total October cases among unvaccinated individuals

October 2022

Rate and Share of COVID-19 Cases by Vaccination Status

November 2021 - October 2022 | 12-Month Period



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.

The CDC recommends that persons aged 5 years and older receive one updated (bivalent) booster if it has been 2 months or more since their last dose of a COVID-19 vaccine. This includes persons who received their primary series or one or more original (monovalent) booster dose/s at least 2 months ago.

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:

HealthOfficer@inyocounty.us

or

VaccineInfo@inyocounty.us