



**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.

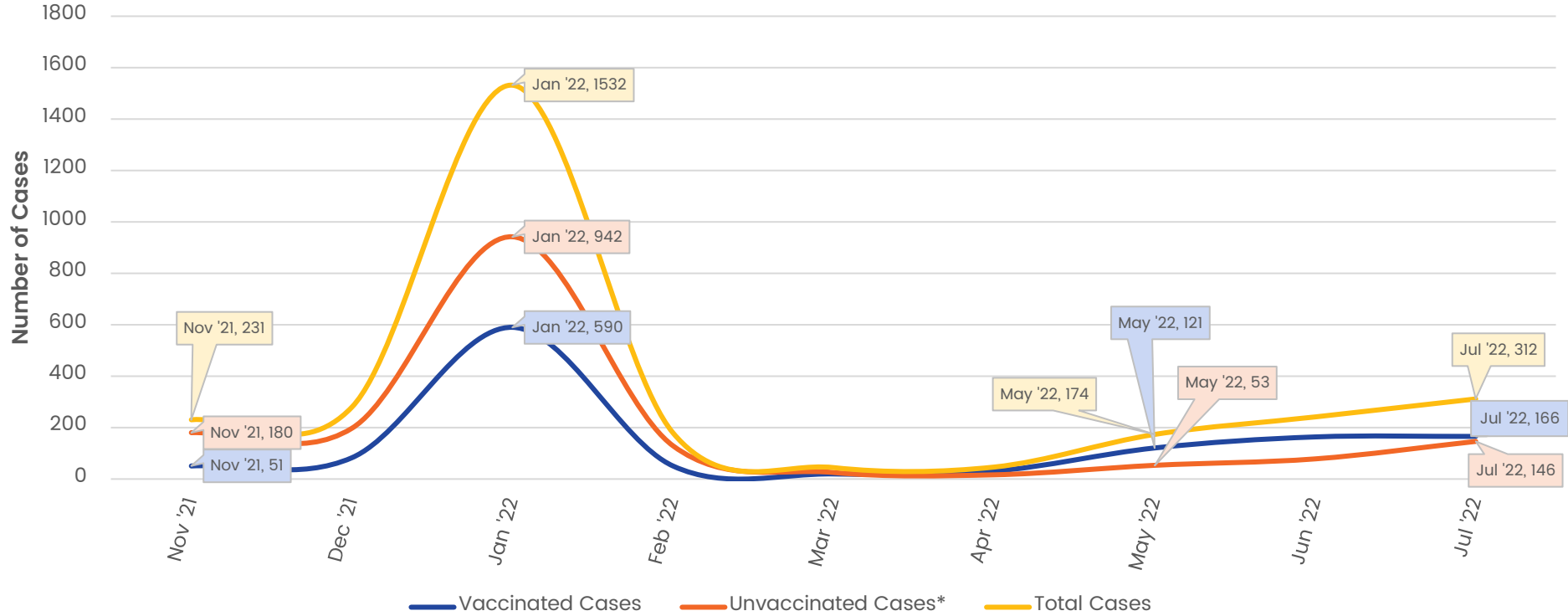
COVID-19 cases among unvaccinated individuals for the month of June occurred at a rate of 3.3% and COVID-19 cases among vaccinated individuals occurred at a rate of 1.33%, indicating that despite composing a smaller population, unvaccinated individuals in Inyo County continue to experience COVID-19 infections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

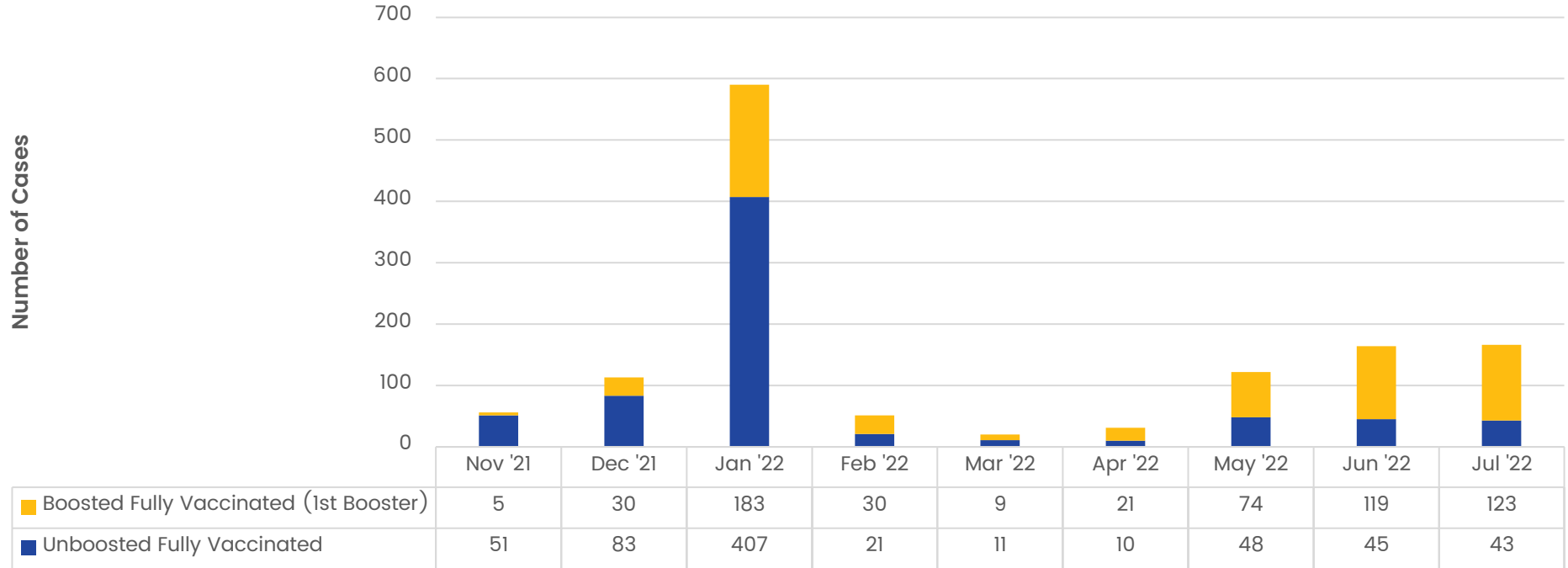
November 2021 – July 2022 | 9-Month Period



\*includes those that are partially vaccinated

# Unboosted vs. Boosted Monthly Breakthrough COVID-19 Cases

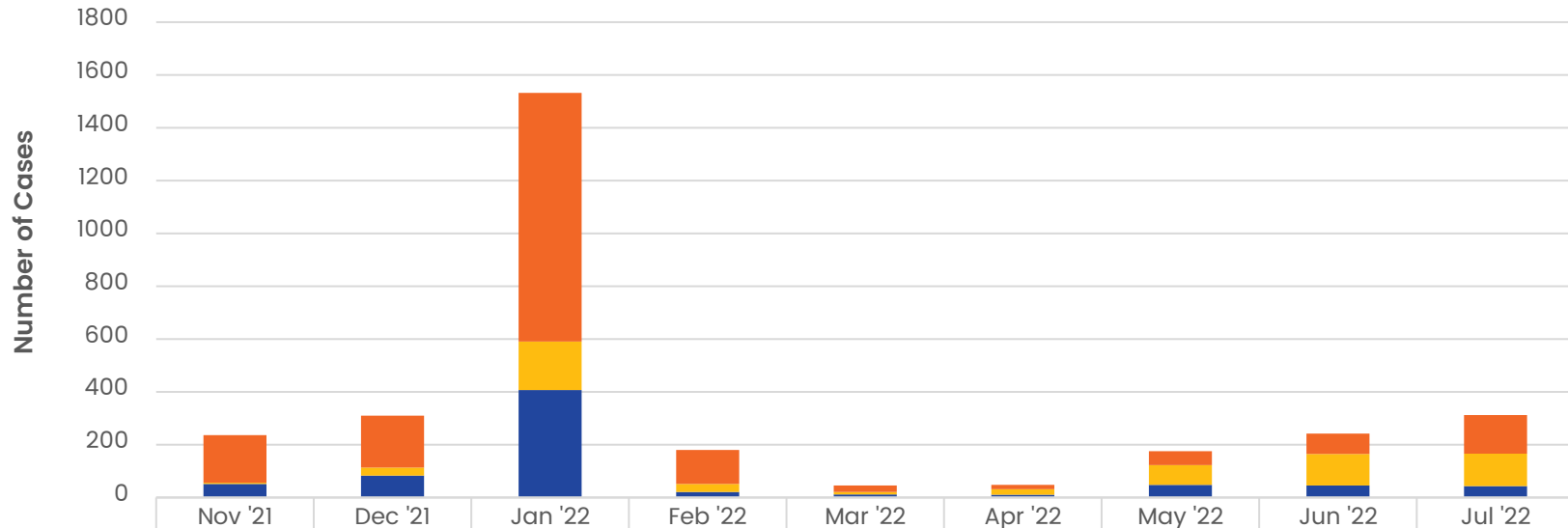
November 2021 – July 2022 | 9-Month Period



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

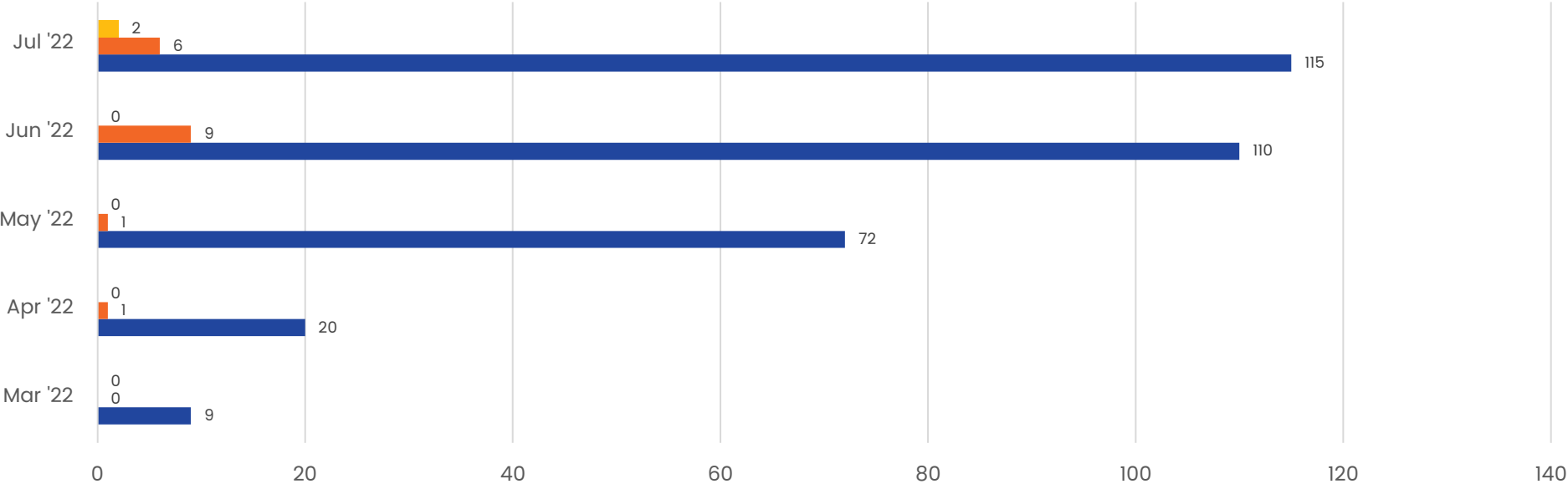
# Unboosted and Boosted Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases

*November 2021 - July 2022 | 9-Month Period*



Unvaccinated Cases	180	197	942	129	25	16	53	78	146
Boosted Fully Vaccinated	5	30	183	30	9	21	74	119	123
Unboosted Fully Vaccinated	51	83	407	21	11	10	48	45	43

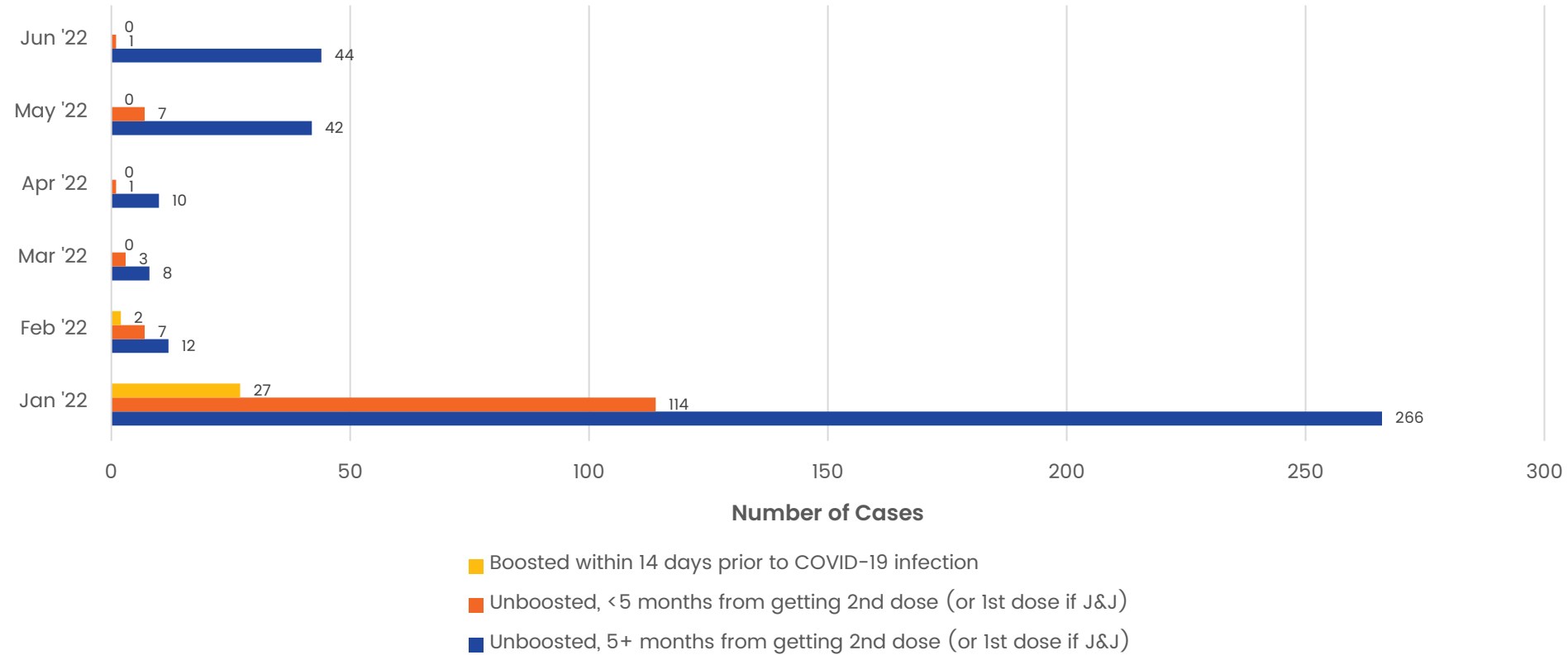
# Boosted Breakthrough Monthly COVID-19 Cases



Number of Cases

- Boosted within 14 days prior to COVID-19 infection
- Boosted, <5 months from receiving Booster dose
- Boosted, 5+ months from receiving Booster dose

## 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**

**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

**July 2022**

**166** Vaccinated Cases  
**312** Total Cases  
**53.2%** of total July cases among vaccinated individuals

# COVID-19 Trends in Unvaccinated Individuals

**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**

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

**June 2022**

**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

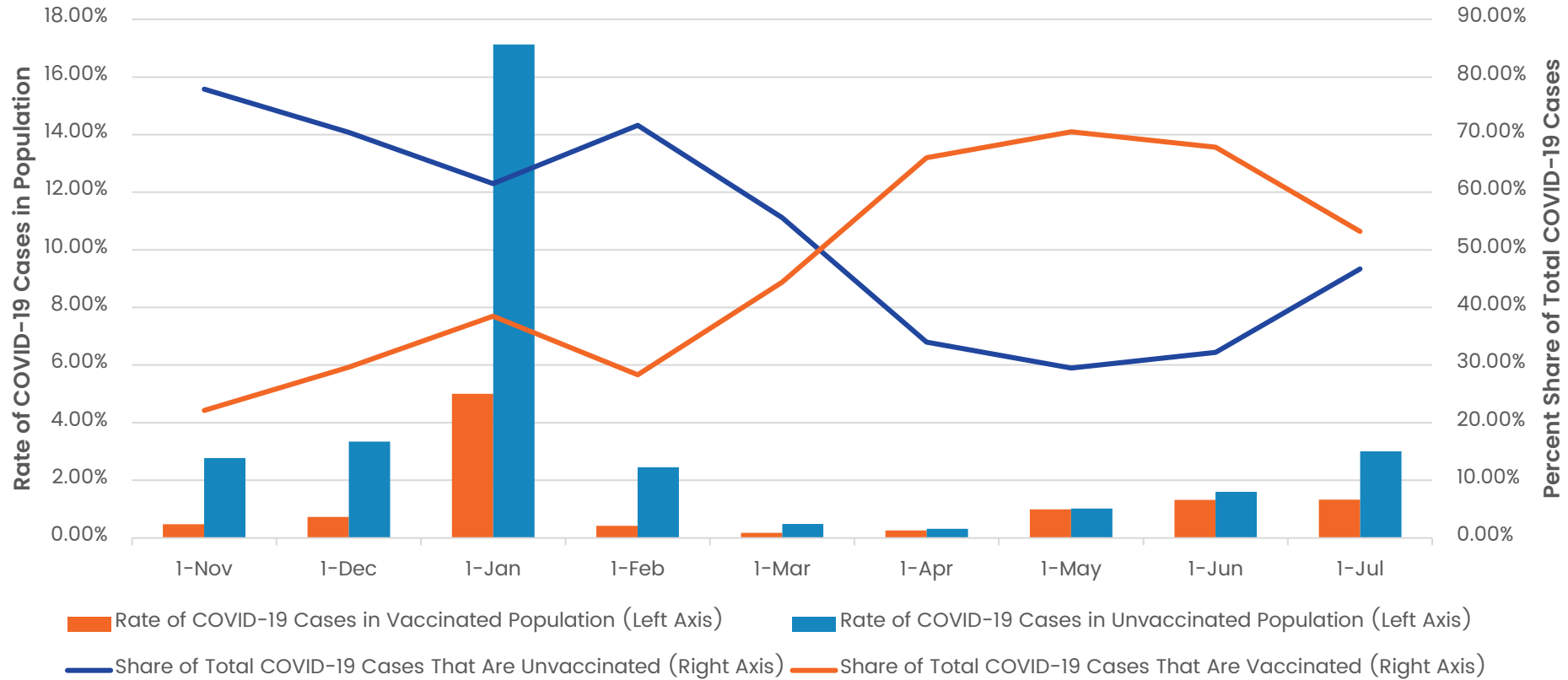
**May 2022**

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

**July 2022**

**146** Unvaccinated Cases  
**312** Total Cases  
**46.7%** of total July 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 2<sup>nd</sup> 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:

[HealthOfficer@inyocounty.us](mailto:HealthOfficer@inyocounty.us)

or

[VaccineInfo@inyocounty.us](mailto:VaccineInfo@inyocounty.us)