



**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%

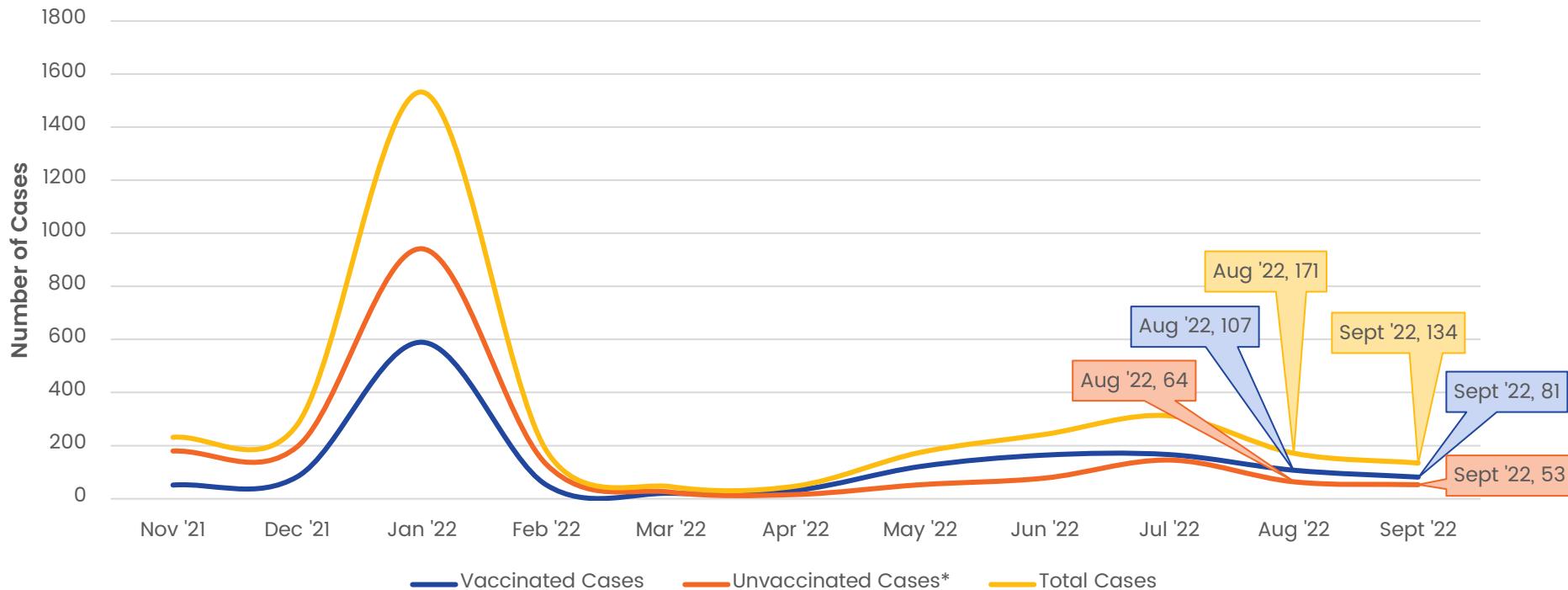
\*Inyo County Vaccination Statistics as of September 29, 2022

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

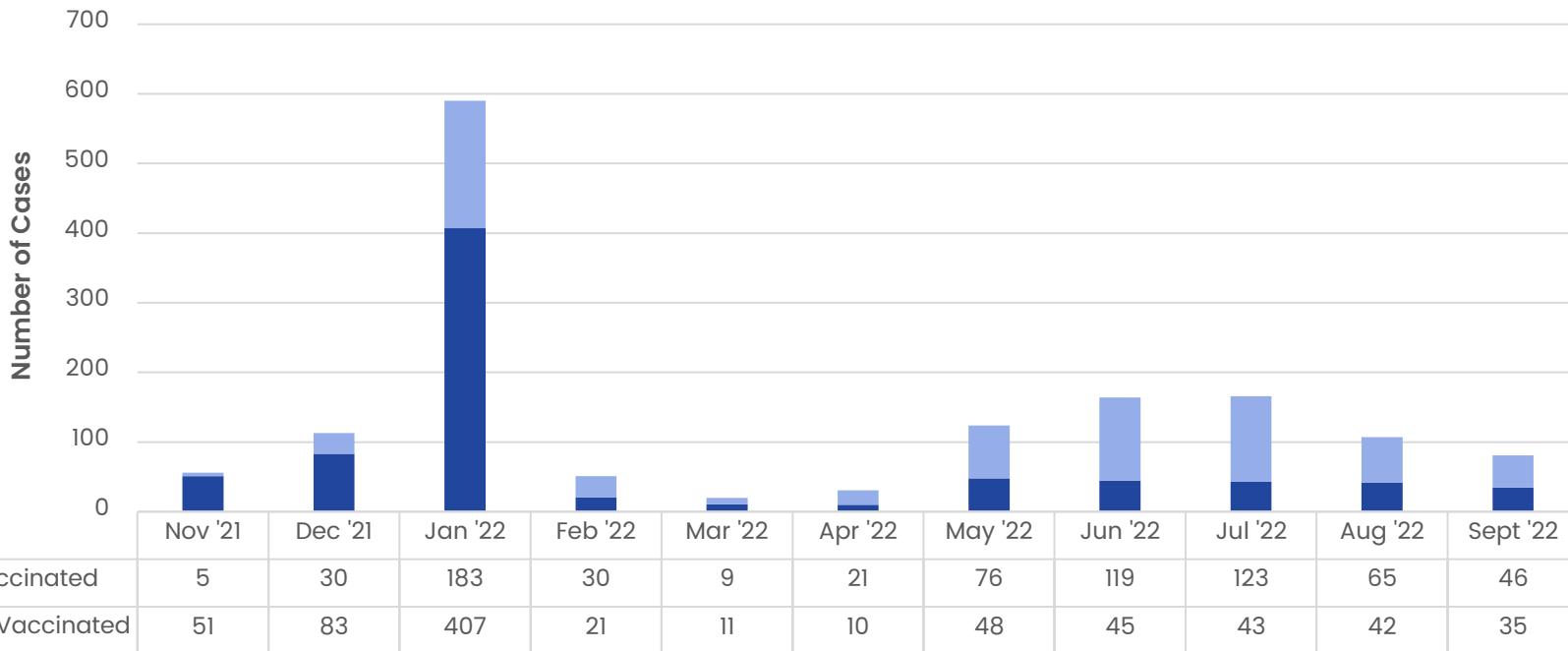
November 2021 - September 2022 | 11-Month Period



\*includes those that are partially vaccinated

# Unboosted vs. Boosted\* Monthly Breakthrough COVID-19 Cases

November 2021 - September 2022 / 11-Month Period

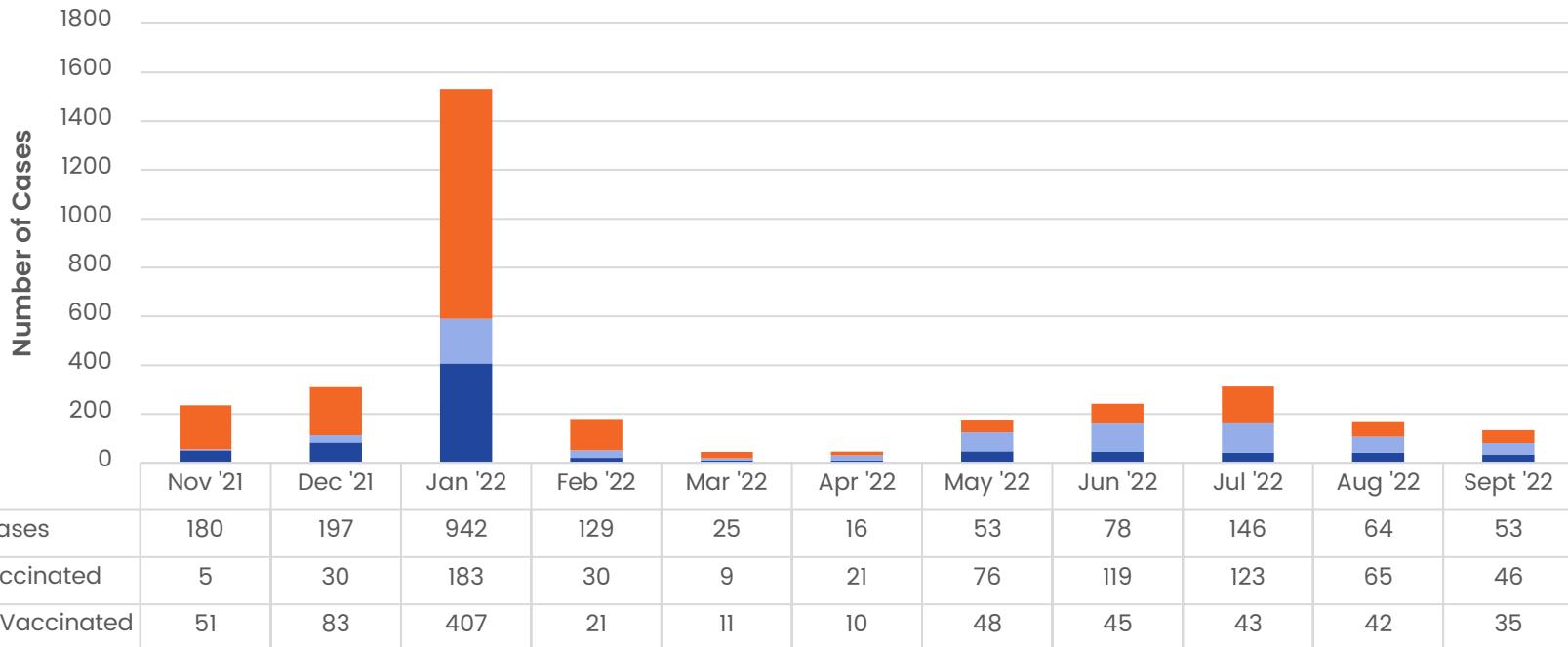


One (1) June Unboosted case not eligible for booster dose  
Five (5) July Unboosted cases not eligible for booster dose  
One (1) August Unboosted case not eligible for booster dose

\*considers 1<sup>st</sup> booster dose following primary series

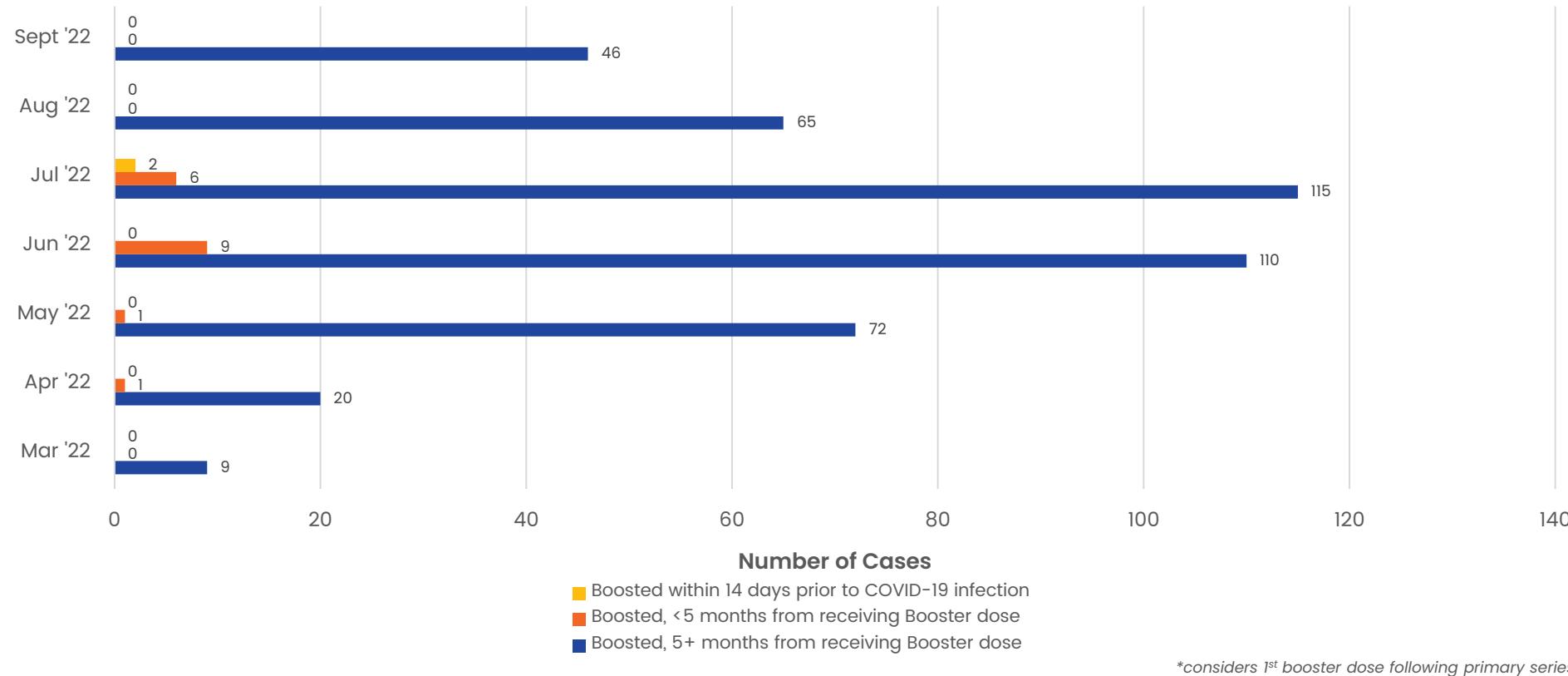
# Unboosted and Boosted\* Monthly Breakthrough COVID-19 Cases Compared to Unvaccinated Cases

November 2021 – September 2022 | 11-Month Period

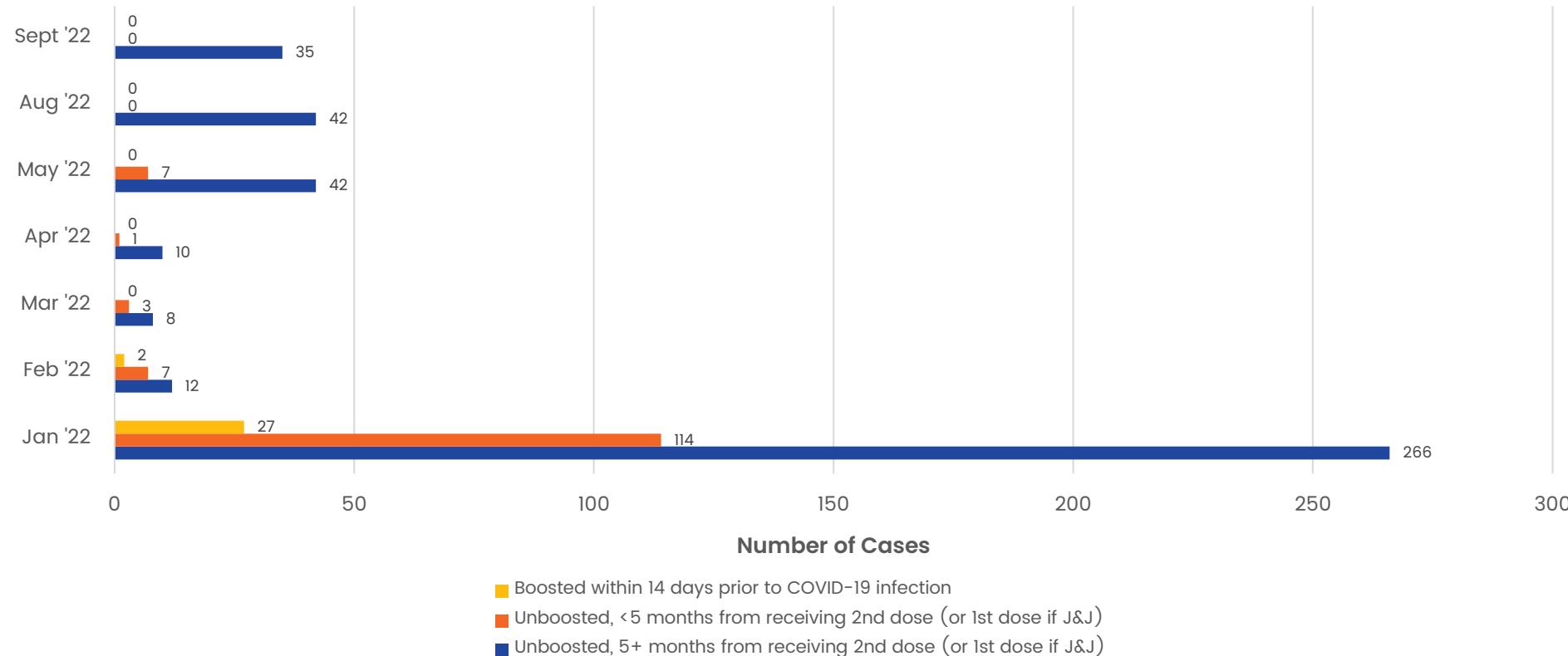


\*considers 1<sup>st</sup> booster dose following primary series

## Boosted\* Breakthrough Monthly COVID-19 Cases



## 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**

**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**

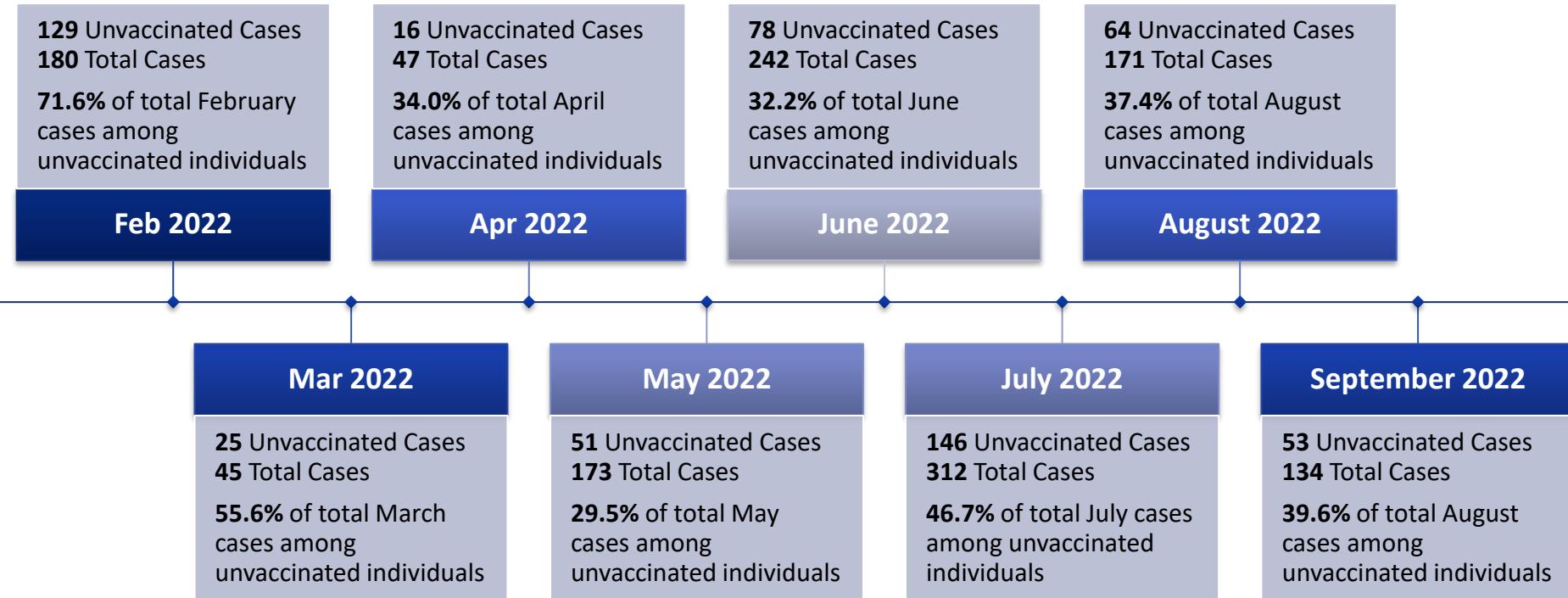
**164** Vaccinated Cases  
**242** Total Cases  
**67.8%** of total June  
cases among  
vaccinated individuals

**June 2022**

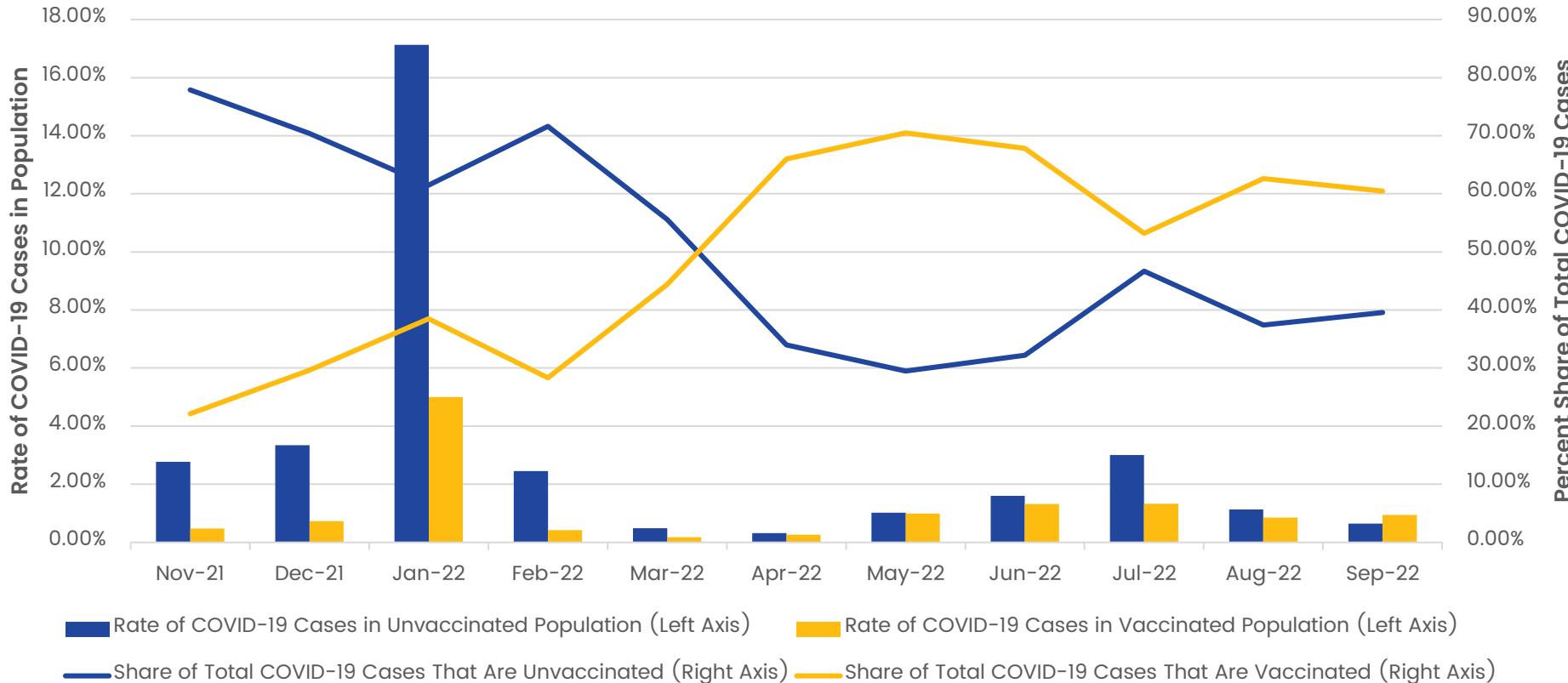
**107** Vaccinated Cases  
**171** Total Cases  
**62.6%** of total August  
cases among  
vaccinated individuals

**August 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 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:

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