

LARIMER COUNTY: HEALTH & ENVIRONMENT



# COVID-19 Update to BOCC

December 14, 2021

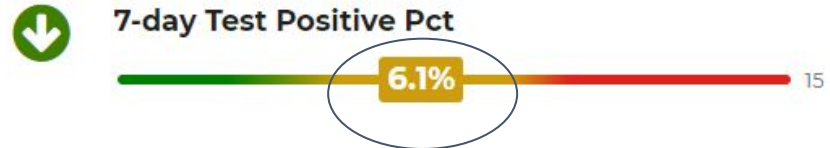


# Delta Update - Current Conditions

11/17/2021



12/13/2021



# Strategies to Decrease Hospitalization Rates

## Vaccination



5 years old and  
older eligible

Booster doses for  
16 years and up

## Suppression



Testing

Universal masking

Case investigation

Outbreak mitigation

Community outreach

Increased ventilation

## Therapeutics



Monoclonal antibodies

Oral medications



Decreased hospitalization rates



# Vaccination

## Recent milestones:

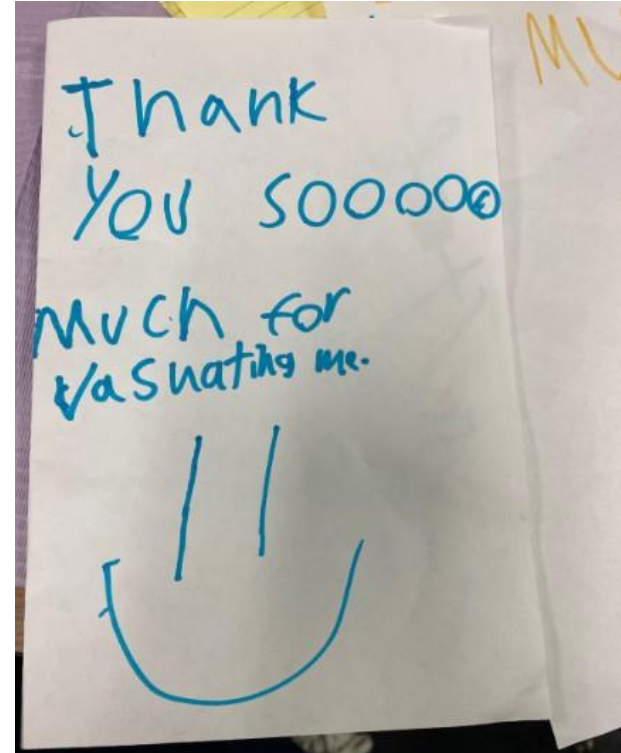
- Around 170 new people are receiving a first dose everyday
- Over 76% of Larimer residents aged 12+ have now received a first dose
- As of 12/10, we've administered 545,000 doses of vaccine to Larimer residents
- As of the end of today, we have provided 327 departmental clinics since 2021 started.



# Vaccination

## Booster and pediatric doses:

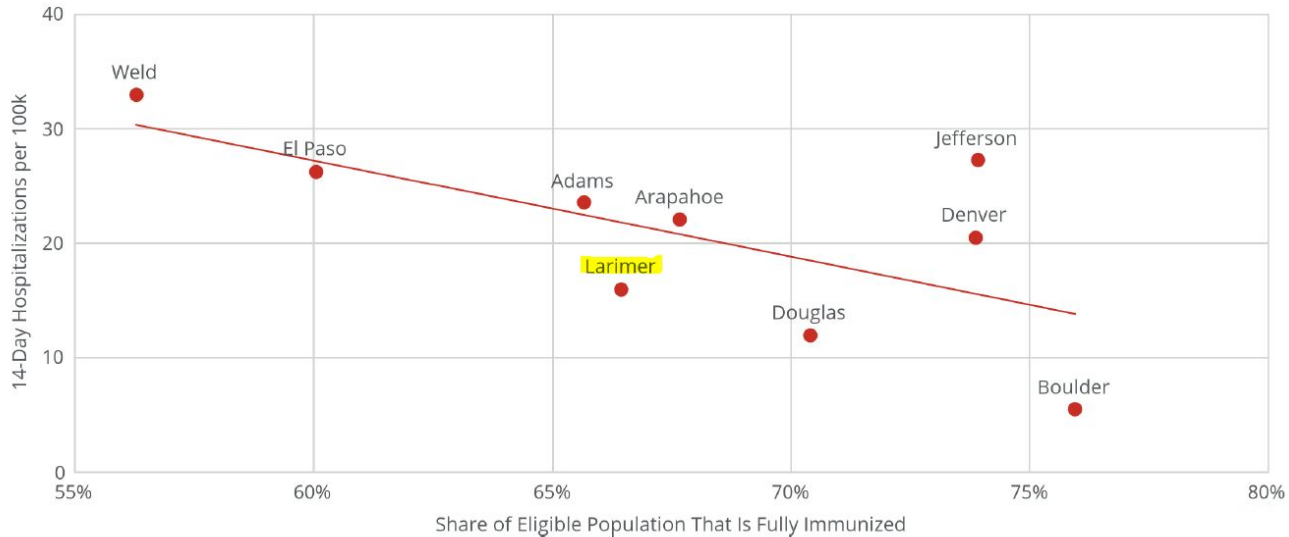
- 25% of residents have received a booster dose
- 56.7% of adults 60+ have received a booster
- 26% of youth 5-11 have received a pediatric dose
- Tremendous increase in clinics with booster and pediatric doses



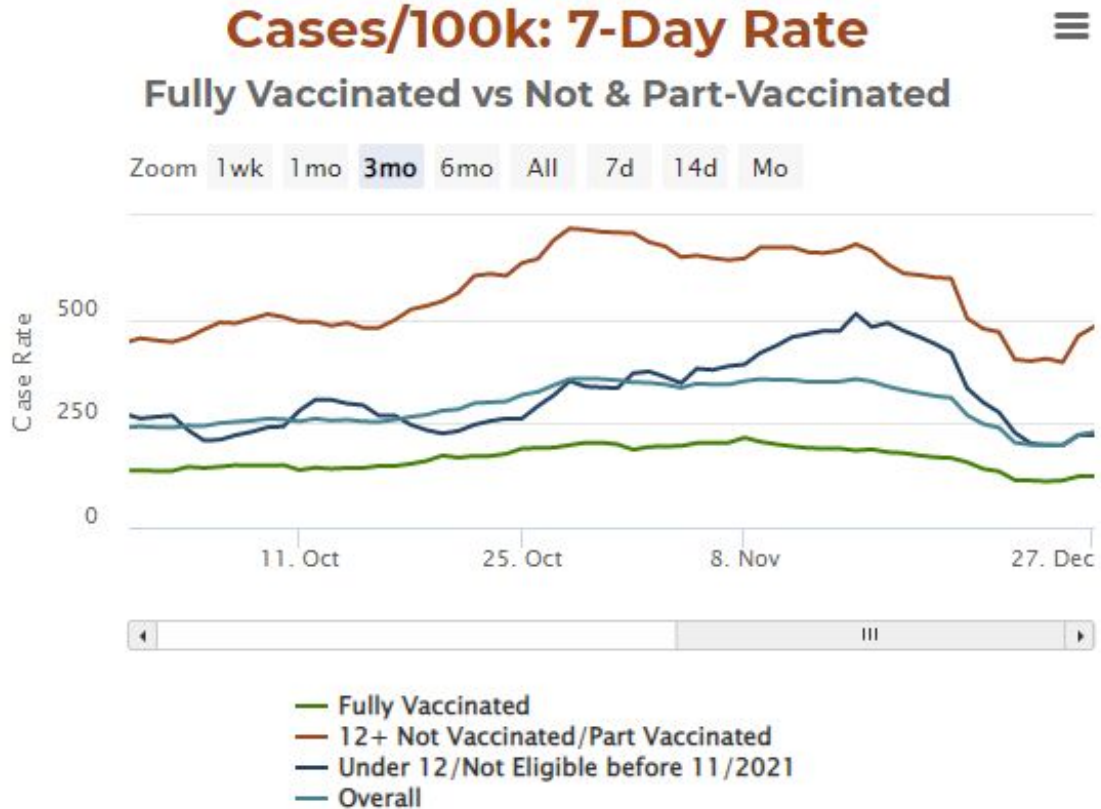
# Vaccination and Hospitalizations by County

Hospitalizations vs Vaccination

December 10, 2021

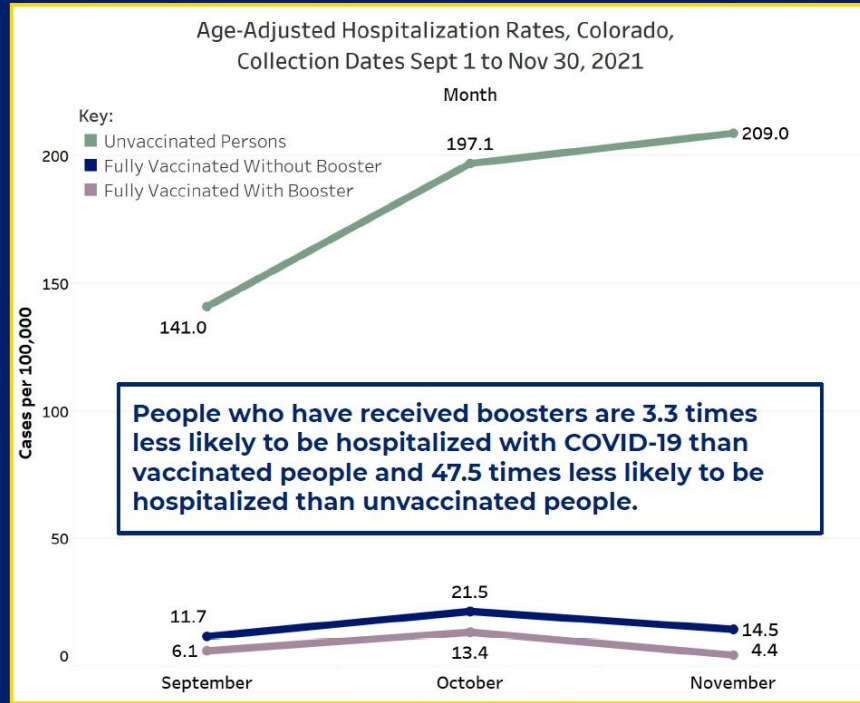


# Case Rates by Vaccination Status



# Vaccination

## Age-Adjusted Risk of Being Hospitalized With COVID: Unvaccinated, Fully Vaccinated, & Fully Vaccinated + Booster Dose





# Omicron Variant

- Appears to be more contagious than the Delta variant
- Appears to evade immune protections
- Unclear if it will cause less or more severe symptoms than the Delta variant
- Same prevention strategies as for other variants:
  - Vaccination, including booster doses for 16 years +
  - Early testing for early therapeutic intervention
  - Mask-wearing



# Therapeutics

## **Monoclonal antibody therapy is available to people who:**

- Treatment-have tested positive for COVID-19 and within 10 days of symptom onset
  - exhibit mild to moderate symptoms of the disease, and
  - who are at high risk of developing severe COVID-19.
- 
- Now approved down to newborns
  - 70% effective against hospitalization and death
  - Prophylaxis-both post exposure and pre-exposure now available
  - Now very available-FEMA collaboration with UC Health

# Therapeutics

## Molnupiravir

- Works by inducing mutations
- Complex risk benefit discussion
- 30% effective



# Therapeutics

## Paxlovid

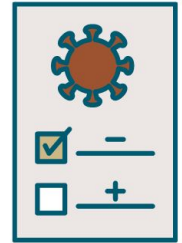
- Oral antiviral
- 90% reduction in hospitalizations and deaths
- Trial stopped early - evidence of benefit was so strong
- Applied to FDA for EUA
- US government to purchase treatment for 10 million



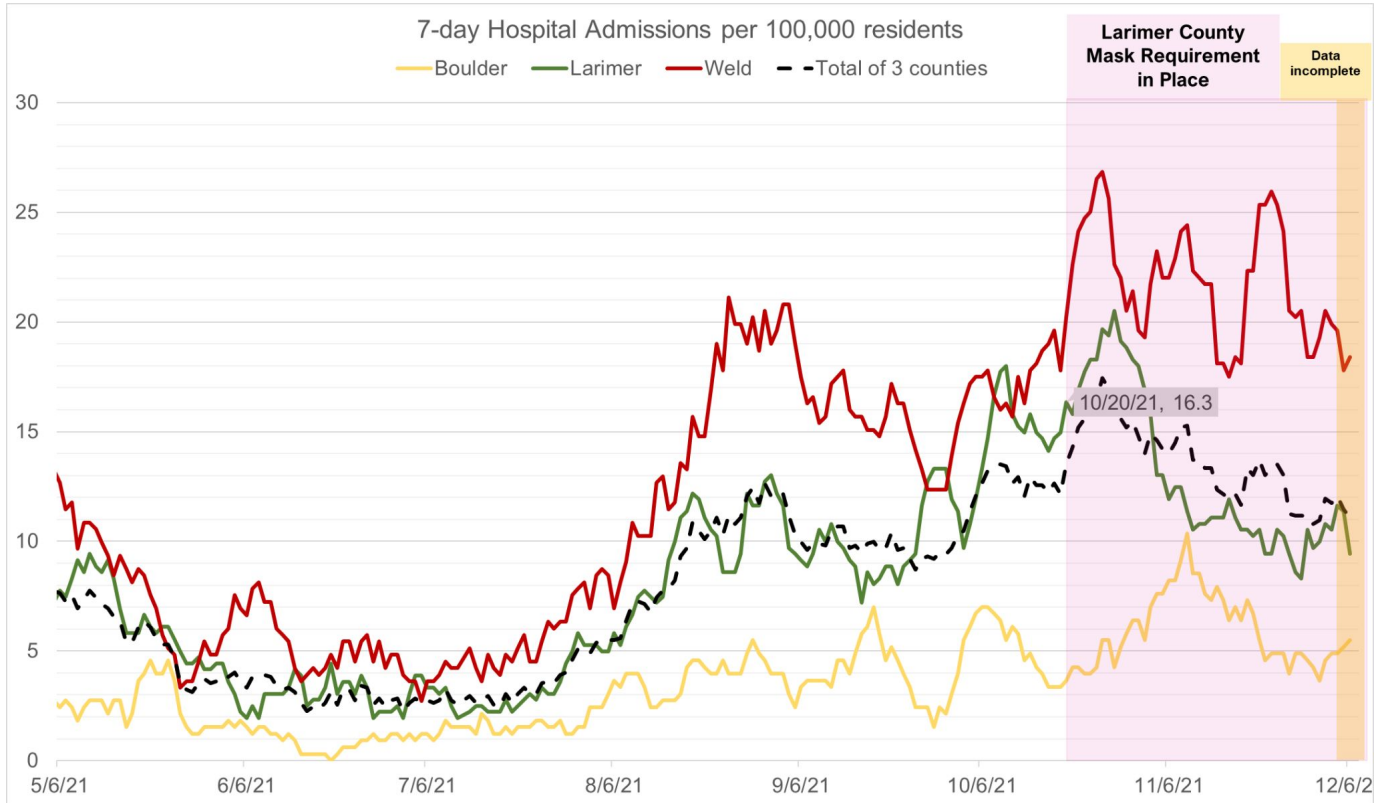
# Suppression

## In 2021:

- Attended **150 outreach events**
- Over **458,000 PCR tests** done in Larimer County
- Investigated and mitigated **380 outbreaks**
- **31,400 calls** made to cases to provide isolation information



# Hospital Admission by County



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