



**GOVERNOR  
JARED POLIS**

# **Joint Executive Committee/JBC Update**

December 16, 2021

# COVID-19 RESPONSE UPDATE

## **Jill Hunsaker Ryan, MPH - Response Overview**

*Executive Director, Colorado Department of Public Health & Environment*

## **Dr. Rachel Herlihy - Epidemiology Update**

*State Epidemiologist, Colorado Department of Public Health & Environment*

## **Dr. Emily Travanty - Testing Update**

*Laboratory Director, Colorado Department of Public Health & Environment*

## **Sarah Tuneberg - Testing in 2020**

*Former Innovation Response Team Director, Lead for COVID-19 Testing, Containment & Technology, Colorado Department of Public Health & Environment*

## **Scott Bookman, MPA - Update on Hospital Capacity, Monoclonal Antibodies, Vaccines**

*COVID-19 Incident Commander, Colorado Department of Public Health & Environment*

## **Lauren Larson - State Emergency Reserves and FEMA Reimbursement**

*Executive Director, Office of State Planning and Budgeting*

## **Kevin Klein - Update on Glenwood Canyon & Wildfire Recovery**

*Director, Division of Homeland Security and Emergency Management*

# PANDEMIC RESPONSE

# REVIEW OF RESPONSE

- **We are in the 5th wave of the pandemic. Cases seem to be slowing down, but hospital capacity continues to be strained.**
  - 80 ICU beds available in the state.
- **We are actively monitoring for additional omicron variants.**
  - State lab conducts genome sequencing on all eligible positive COVID-19 samples.
  - Wastewater surveillance program.
- **We are at the one year anniversary of the vaccine, and it has been a game changer in slowing disease transmission.**
  - 2,900 individuals vaccinated each day.
  - 4.1 million Coloradans have received at least one dose of the vaccine.
  - 65% of total population fully vaccinated.
  - Ample supply.
- **We have partnered with local public health agencies who have supplemented our disease mitigation strategies with requirements that best meet their communities' needs.**
- **Testing is a critical strategy in slowing the spread of COVID-19.**
  - More than 140 free community testing sites across the state.

# WE MASSIVELY SCALED UP

**\$2.281 BILLION** IN MOSTLY FEDERAL FUNDS  
FOR CDPHE'S RESPONSE

**9.1**  
MILLION DOSES



ADMINISTERED TO

**4.1**  
MILLION PEOPLE

STATE LAB



**3** SHIFTS

**24/7**  
PROCESSING

**46,000**  
TESTS PER WEEK

**+1,774**



FULL TIME EMPLOYEES,  
CONTRACTORS AND  
VOLUNTEERS

**84**



PUBLIC  
HEALTH  
ORDERS



*free testing*

**AT 152**

SITES  
ACROSS  
THE STATE

# WE HAD MULTIFACETED STRATEGIES

## HEALTH

- Residential Care Strike Teams (long term care facilities)
- Free statewide testing (community testing sites, at-home, school)
- Daily tracking of hospital capacity and facilitating patient movement
- Monoclonal antibodies

## RESOURCES FOR SCHOOLS

- Free statewide testing for schools
- Providing resources and PPE to schools and partners

## FOCUS ON VACCINATIONS

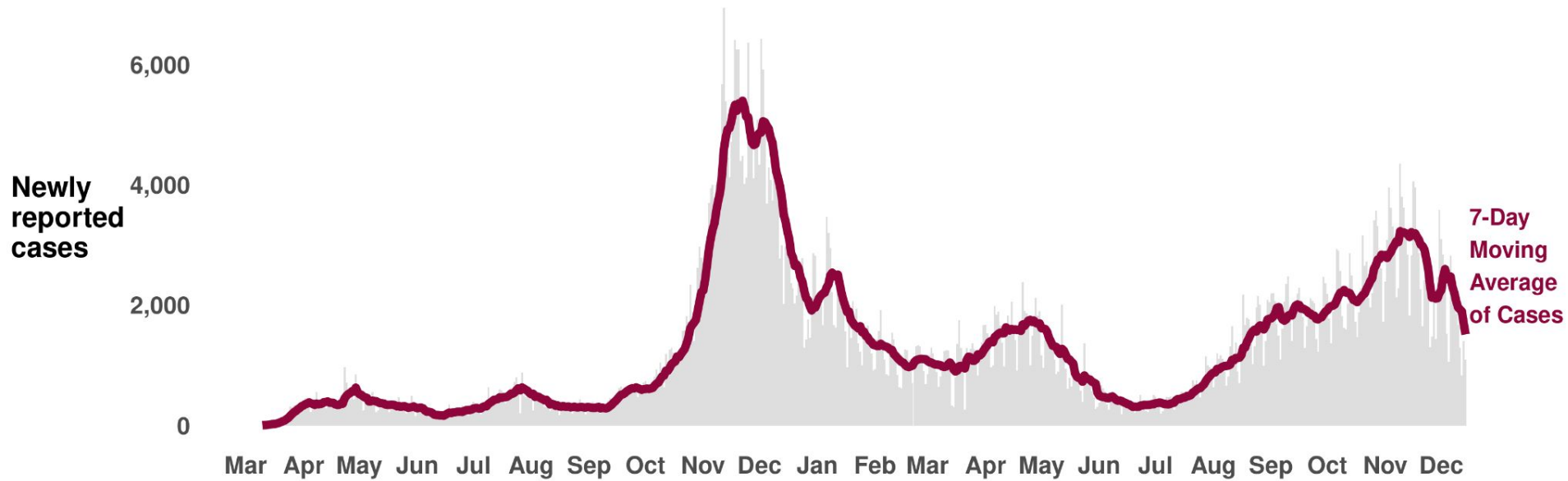
- Targeted outreach to increase vaccinations among 5-11 year old age group
- Community Vaccine Sites and Pop Up Clinics
- Vaccine equity initiative
- Boosters for all

## INFORMATIVE COMMUNICATION CAMPAIGNS

- Masking
- Distancing
- Vaccine hesitancy

# EPIDEMIOLOGY UPDATE

# DAILY CASE COUNTS & 7 DAY MOVING AVERAGE

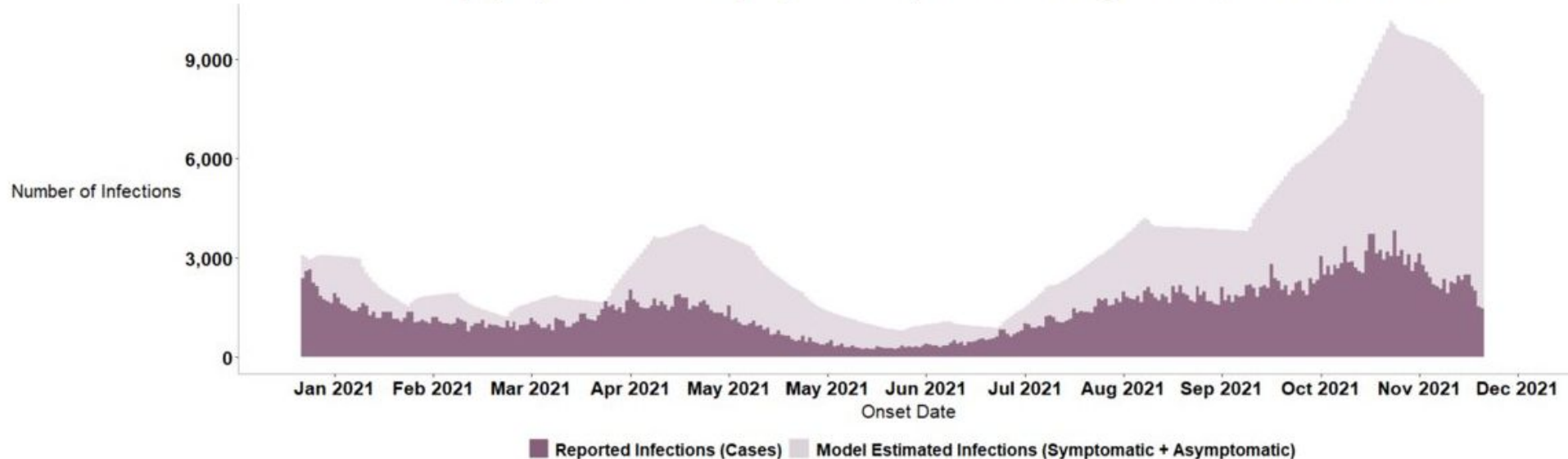


Updated Dec 15, 2021

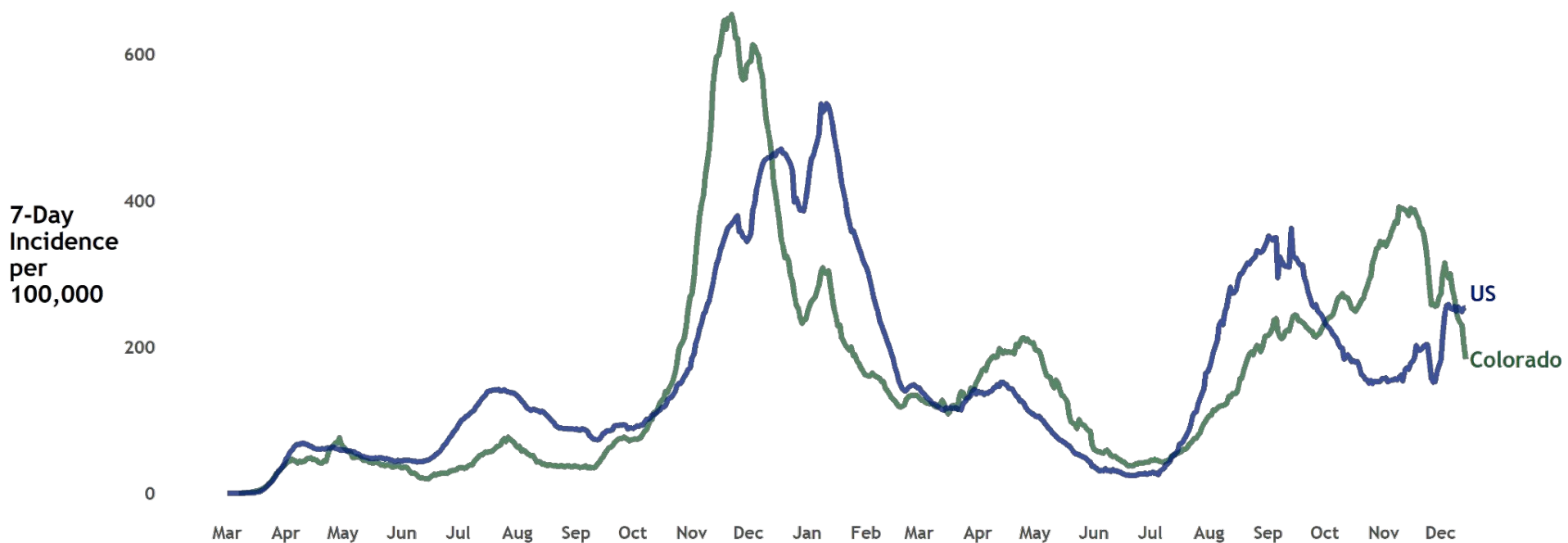


# DETECTED VERSUS ESTIMATED INFECTIONS

**SARS-CoV-2 Infections: Daily New Infections Reported to CDPHE vs. Daily New Infections (Symptomatic + Asymptomatic) Estimated by Model, Colorado 2021**

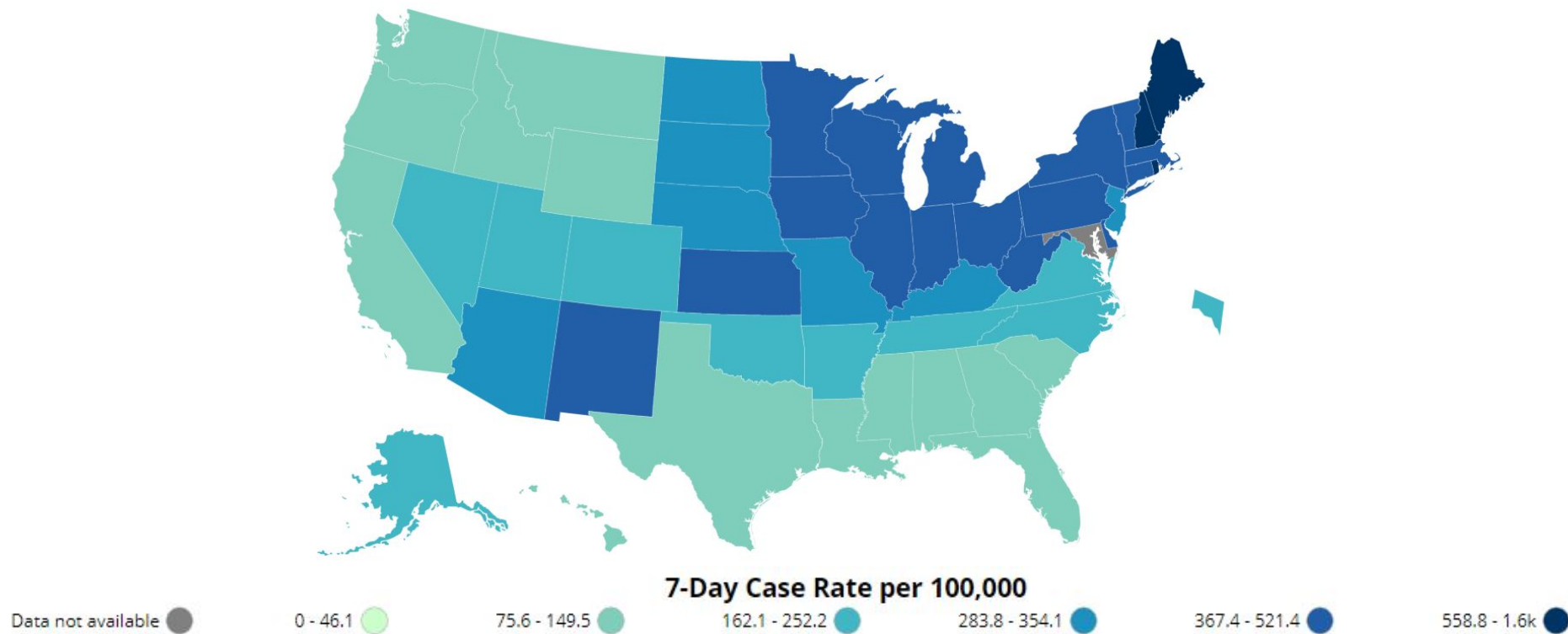


# 7-DAY INCIDENCE PER 100,000

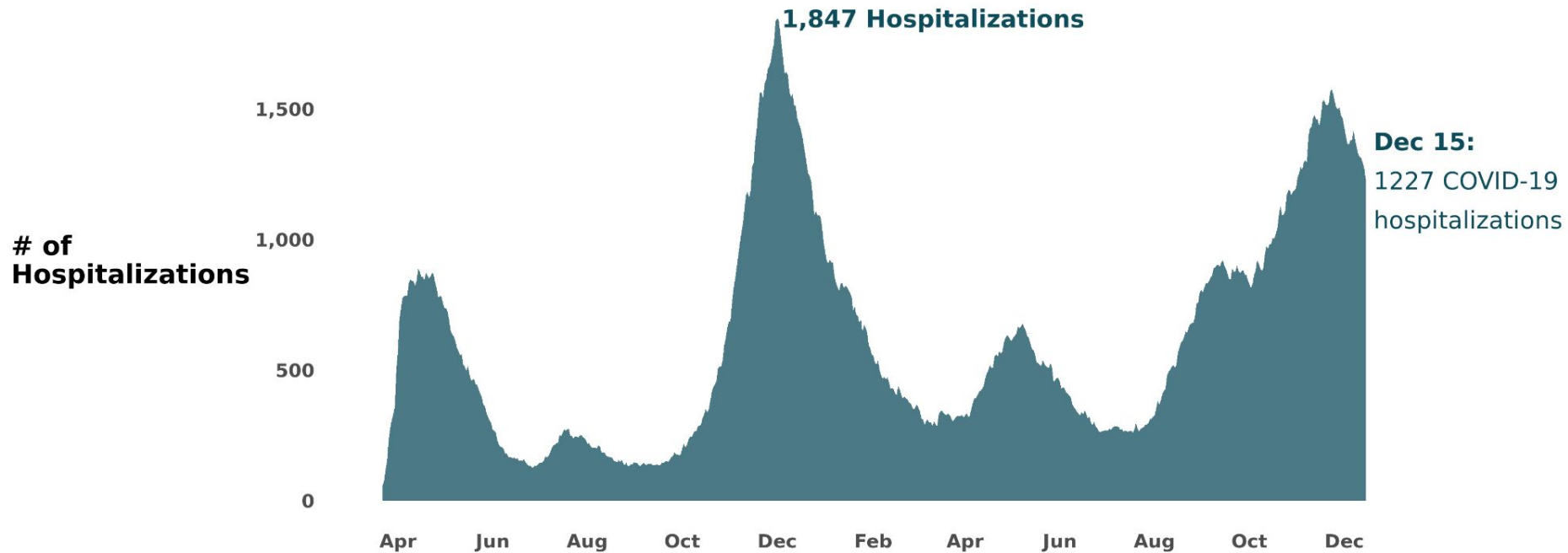


Source for US data: Johns Hopkins University, updated Dec 15, 2021

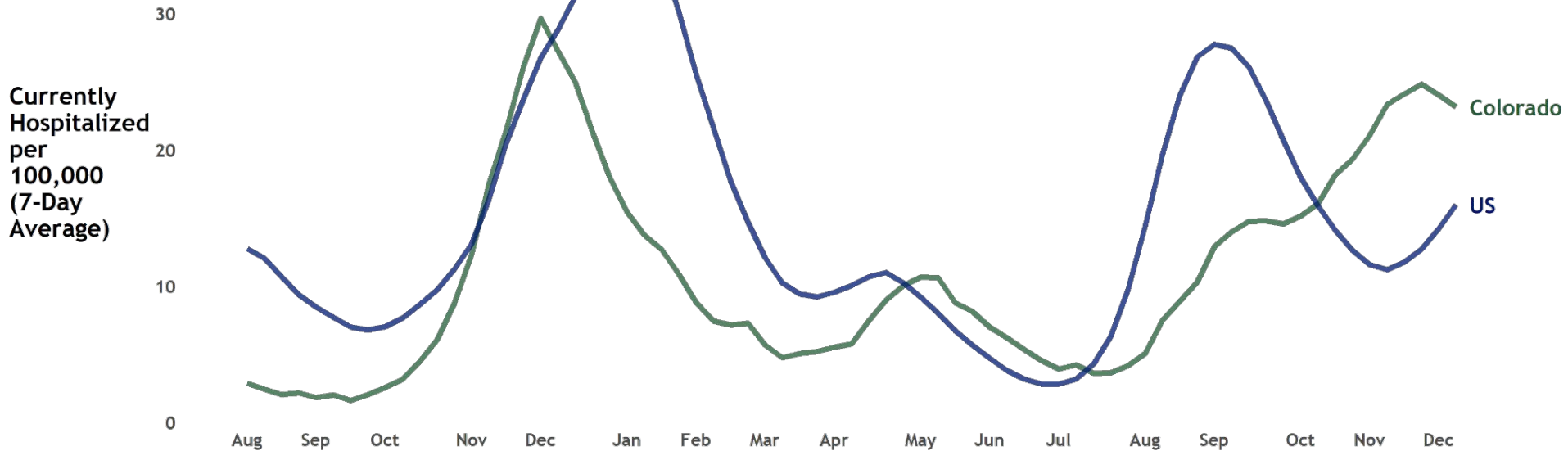
# 7-DAY CASE RATE PER 100,000



# HOSPITALIZATIONS

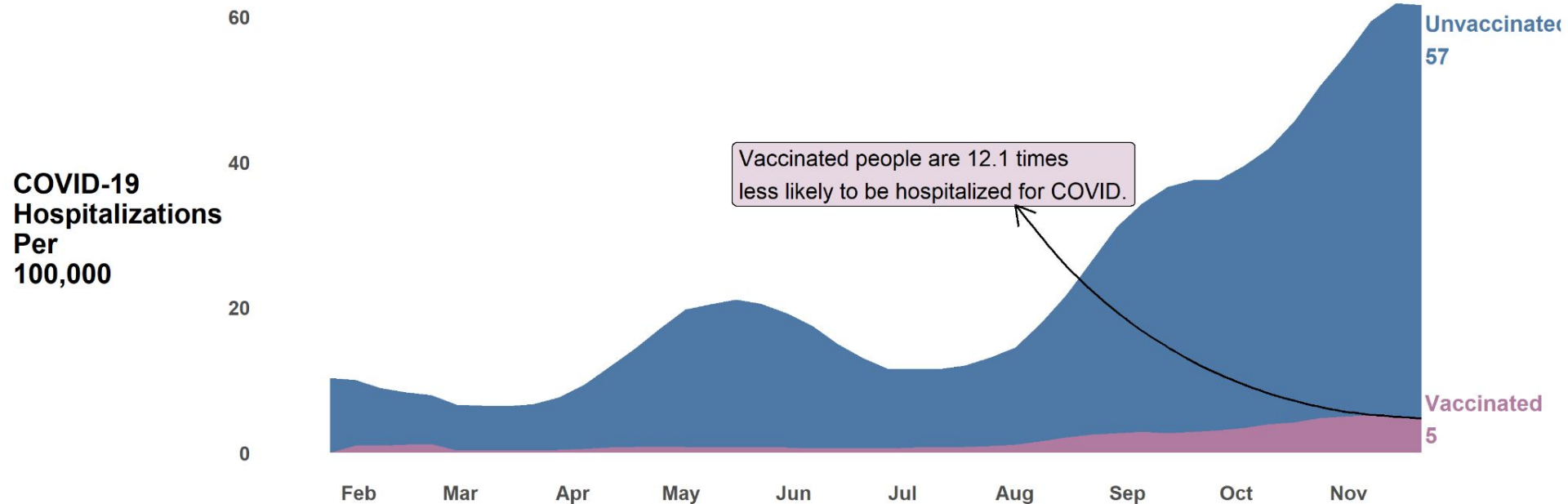


# HOSPITALIZATIONS PER 100,000



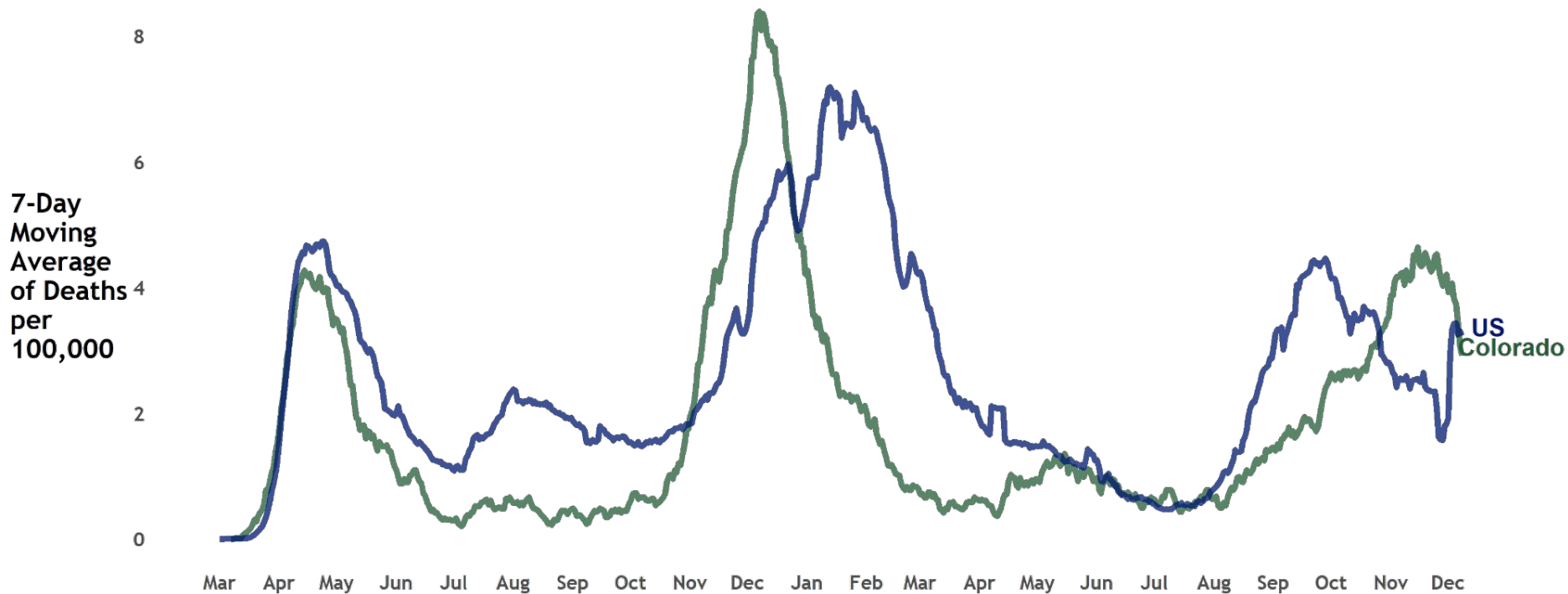
Source: US Dept. of Health and Human Services. Updated Dec 15, 2021

# CURRENTLY HOSPITALIZED



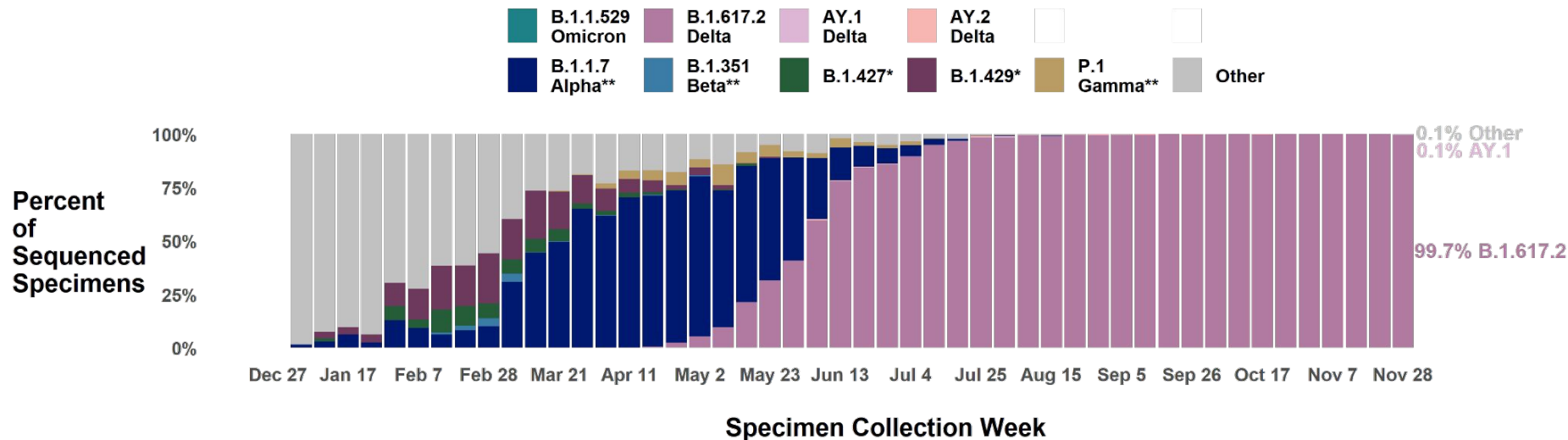
Data is lagged by two weeks. Updated Dec 15, 2021

# 7-DAY MOVING AVERAGE OF DEATHS PER 100,000



Source for US data: Johns Hopkins University, updated Dec 15, 2021. Data is lagged by one week.

# COVID-19 VARIANTS OF CONCERN SENTINEL SURVEILLANCE, BY WEEK



Updated Dec 14, 2021

\*As of June 28, 2021, B.1.427 and B.1.429 are no longer variants of concern and will not be included in Variants of concern after 7/6/2021.

\*\*As of September 21, 2021, B.1.1.7, B.1.351, and P.1 are no longer variants of concern and will not be included in variants of concern after 10/5/2021.

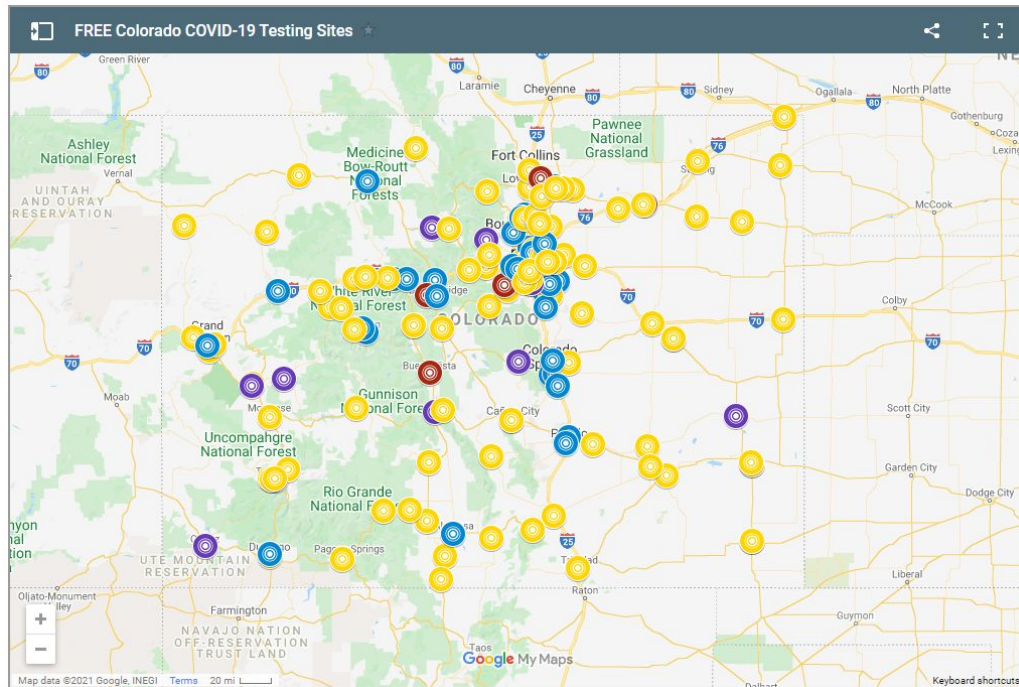


# OMICRON VARIANT - B . 1 . 1 . 529

- **Identified in South Africa 11/24/21; designated as a Variant of Concern by WHO 11/26/21**
  - First samples were collected in early November
  - Rapid increase in cases throughout provinces of South Africa
  - Multiple mutations across the genome, >30 in spike protein
- **Early data on characteristics of omicron suggest:**
  - Increased transmissibility
  - Increased reinfection and vaccine breakthrough infections- higher levels of protection against severe disease, greater protection with booster doses
  - Mixed data on severity
- **Colorado has identified 5 cases to date, also detected in wastewater systems**

TESTING

# COMMUNITY TESTING SITES

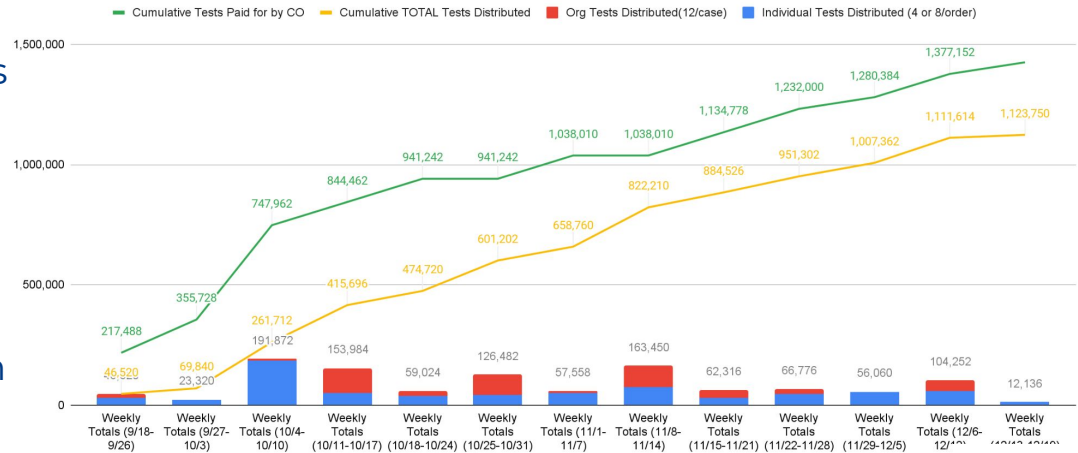


- It's easy to get a free, fast, and safe COVID-19 test.
- Making an appointment is easy, and you don't need insurance or ID to get tested.
- **153 Free Community Tests Sites**
- **Provided 2,946,128 tests to date**
- <https://covid19.colorado.gov/testing>

# AT-HOME TESTING PROGRAM

- Free at home over the counter COVID-19 rapid antigen tests delivered directly to people's homes using Amazon distribution
- Colorado's program is considered a gold standard nationally** for the ability to get OTC tests directly into people's hands and other states are looking to Colorado for guidance on how to implement this program
- Individuals can request 2 orders (8 tests) per month
- Targeted organizations can request 96 tests per month
- 1,123,780** tests distributed to date

OTC Rapid At Home



# SURVEILLANCE & SEQUENCING WORK

- **Colorado has multiple, sophisticated monitoring programs to detect the presence of COVID-19 variants**
  - State Lab sequences all COVID-19 positive patient samples that meet criteria
  - State Lab sequences an additional subset of COVID-19 positive samples from other facilities across the state to ensure visibility on variant proportions across a sections of Colorado
  - Community testing partners, the CDC and clinical, commercial & university labs are also performing sequencing on Colorado samples
- **Currently 16% of all Colorado COVID-19 cases undergo genomic sequencing and Colorado is in the top 10% of states for sequencing overall**
  - Colorado COVID-19 sequences: 106,332 (64,336, 60.5% completed by the State Lab)
- **In addition to sequencing of positive COVID-19 patient samples, Colorado has a wastewater surveillance system that tracks the level of COVID-19 in wastewater samples and looks for the signature of COVID-19 variants. Wastewater surveillance allows early detection of COVID-19 in a community by looking for the virus in a wastewater sample that represents many people.**

# COVID-19 WASTEWATER MONITORING

## Colorado Wastewater Surveillance Collaborative

Since August of 2020, CDPHE has been working with Colorado wastewater utilities and Colorado State University to monitor twice weekly samples from 21 voluntary wastewater utilities for COVID-19 and genetic markers of variants.

- **Wastewater monitoring is a COVID-19 early warning system:**
  - Identify the presence of a virus in a community before we have results from clinical testing
  - Includes individuals who are asymptomatic or may not seek testing
- **Detection of omicron variant in wastewater**
  - Dec 2nd sampling: 1 site (Boulder)
  - Dec 9th sampling: 5 sites (Boulder, Aurora, Metro Denver, South Adams County, South Platte)

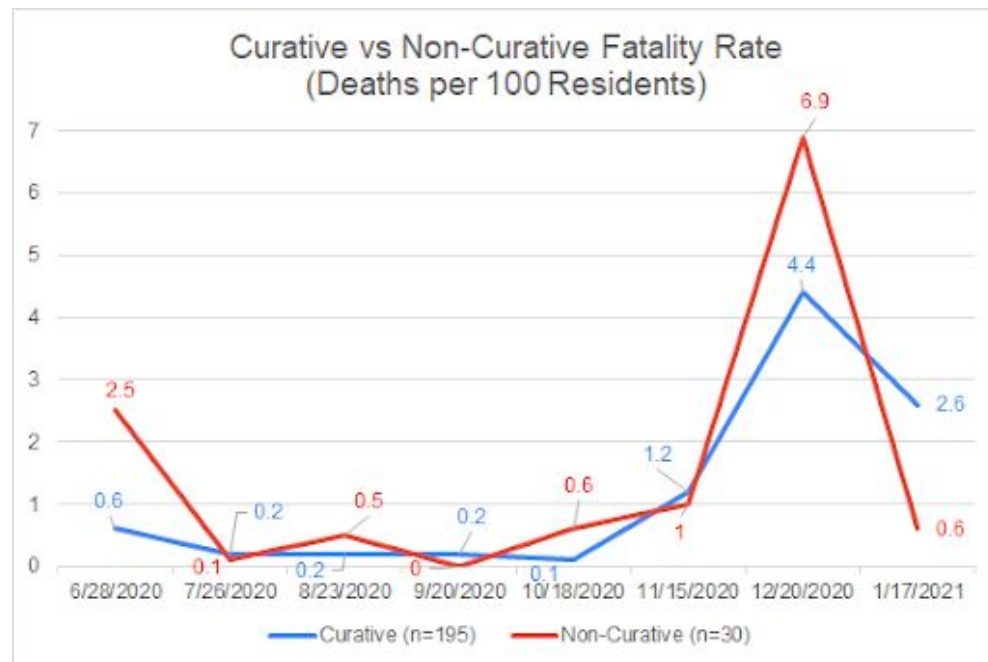
<https://covid19.colorado.gov/covid-19-monitoring-in-wastewater>

TESTING IN 2020

# TESTING IMPACT ON NURSING HOMES

## Outcomes in facilities with outbreaks:

|            | Infection Rate | Mortality Rate |
|------------|----------------|----------------|
| Curative   | 36.0%          | 4%             |
| Other labs | 36.2%          | 3%             |

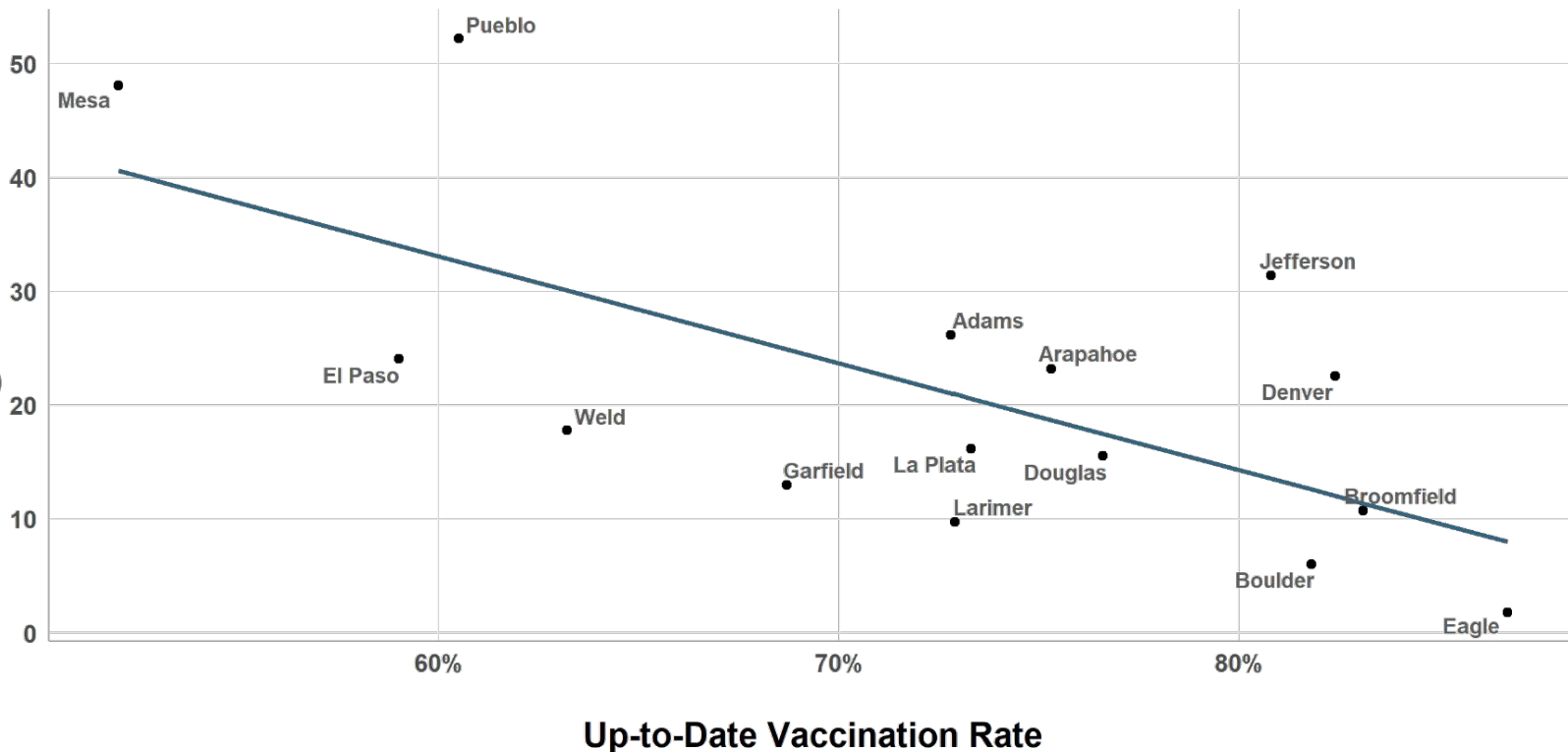




# HOSPITAL CAPACITY UPDATE

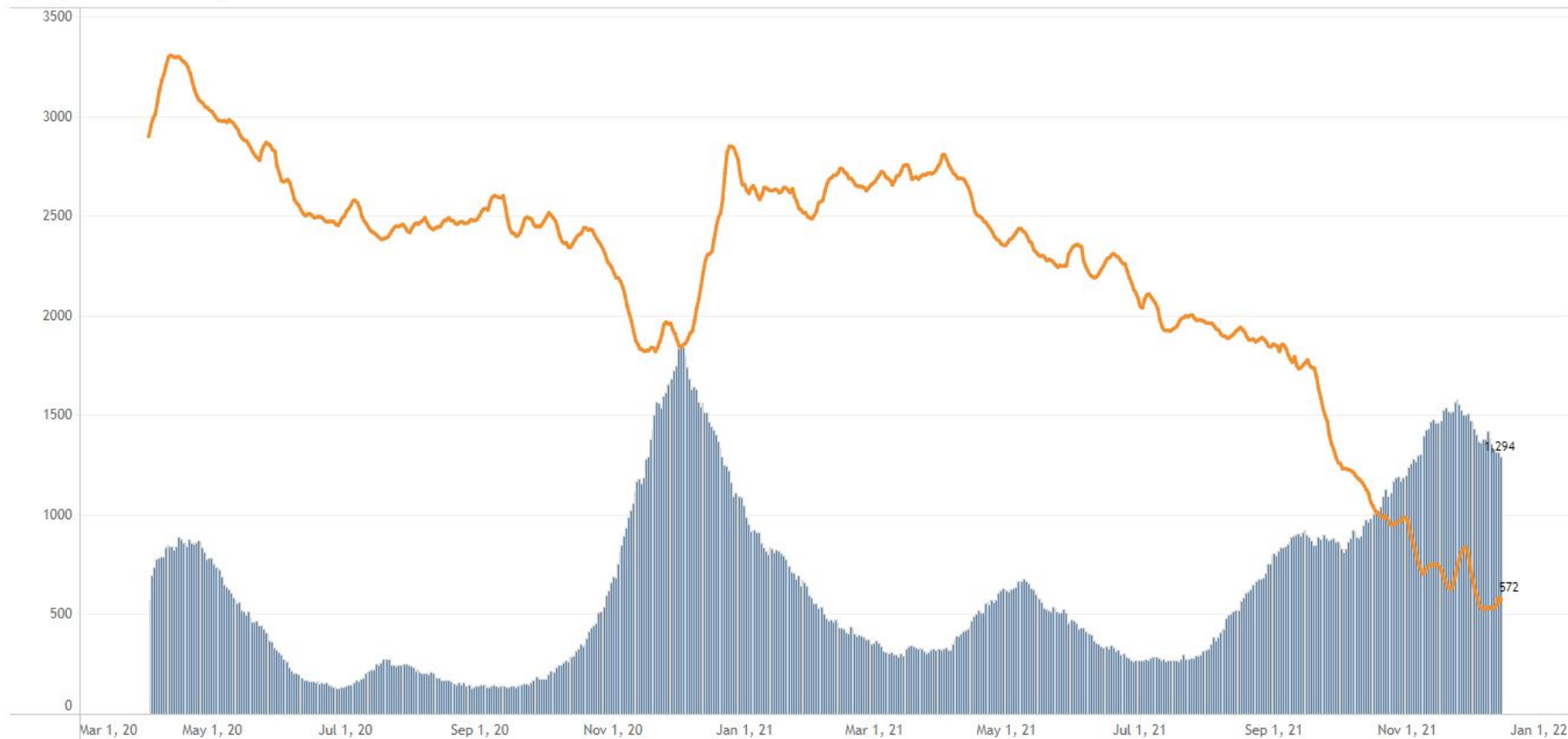
# RELATIONSHIP BETWEEN VACCINATION & HOSPITALIZATION

14-Day  
COVID-19  
Hospitalization  
Rate per 100,000



# HOSPITALIZED COVID-19 PATIENTS VERSUS 7 DAY MOVING AVERAGE OF ACUTE CARE BEDS AVAILABLE

April 1, 2020 to December 13, 2021



# AUGMENTING HOSPITAL CAPACITY

- **Decompressing Hospitals**
  - Colorado Hospital Transfer Center
  - Creating Space for Patients Awaiting Discharge
    - 95 beds
- **Staffing Hospitals**
  - Staffing Contracts
    - 60 beds (MOAs in process)
  - Federal Augmentation
    - 46 beds (Parkview & Poudre Valley)
- **Maintaining Capacity**



# MONOCLONAL ANTIBODY THERAPY

# MONOCLONAL ANTIBODY

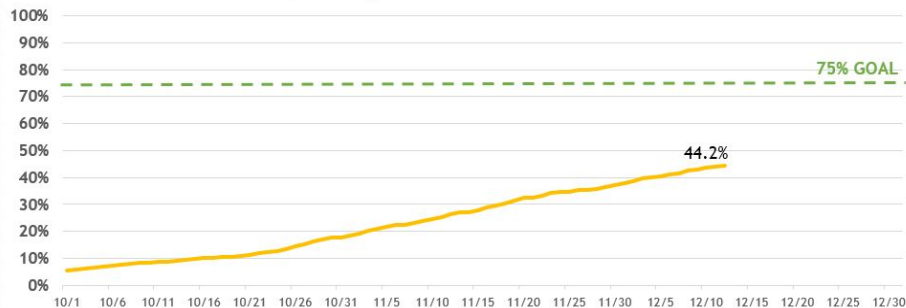
- **September 13, HHS handed over the monoclonal ordering process to the states and began new allocation system**
- **State-led mAb clinics**
  - 8 mobile clinics
    - El Paso, Pueblo, Mesa, La Plata, Denver, Alamosa, Moffat, Las Animas
  - 3 Health and Human Services (HHS) static sites
    - Larimer, Pueblo, Mesa
  - 3 Kaiser Permanente sites
    - Douglas, El Paso, Denver
- **Reporting efforts**
  - Creation of mAb RAC - reaching out to providers to establish that they are reporting efforts
  - As of Dec. 1, 100 out of 149 providers reporting (roughly 67 percent)
- **Doses administered**
  - mAb mobile clinics: 1,140 doses
  - Total doses administered since Sept. 15: ~11,681 doses

VACCINES

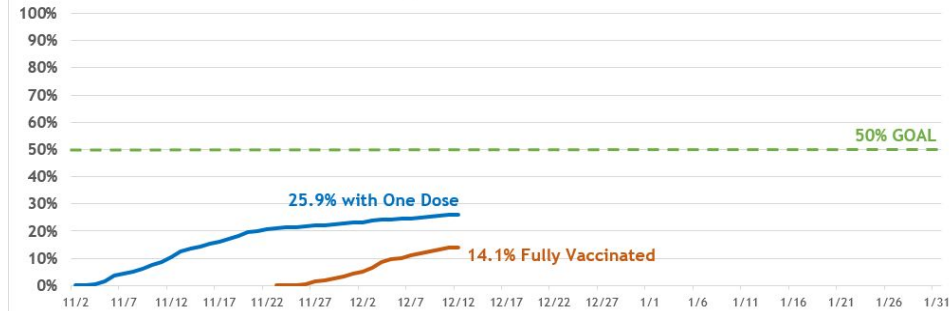
# VACCINATION SNAPSHOT

- Enrolled 1,344 vaccine providers in the Colorado COVID-19 Vaccination Program.
- Launched and continues to run convenient, large community vaccination and booster sites.
  - 6 large CVS for primary doses
  - 10 medium/small CVS for primary, booster & 5-11

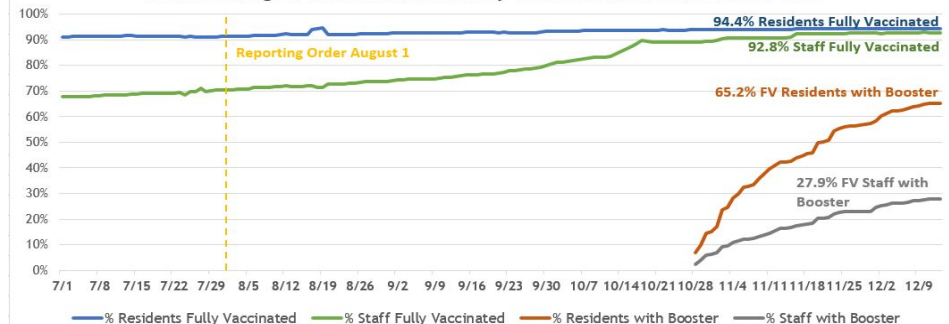
Percentage of Eligible Coloradans with Booster Dose



Age 5-11 Vaccinations



LTCF Percentage of Residents and Staff Fully Vaccinated and Received Booster Dose





# STATE EMERGENCY FUNDS & FEMA REIMBURSEMENT

# STATE EMERGENCY FUNDS

- Since our last update, we increased COVID-19 vaccination, testing and treatment, with monthly spend higher as a result of epi curve, cases and hospitalization increases
- SB21-288 ARPA Cash Fund used to meet higher monthly spend
- Link to most recent [Quarterly Disaster Emergency Funds Report](#)
- Emergency & Stimulus Funds page on OSPB website:  
[https://www.colorado.gov/governor/ospb/emergency\\_funds](https://www.colorado.gov/governor/ospb/emergency_funds)

# FEMA RESOURCE UNCERTAINTY

- FEMA Match Scheduled to Drop from 100% to 75% on April 1, 2022
- Potential Funding Needs due to:
  - FEMA Reimbursement Timing
  - FEMA Eligibility Determination Uncertainty for
    - Hospital Surge Staffing Contracts
    - Distribution of Monoclonal Antibody Treatment
    - Binax Rapid At-Home COVID Testing
    - COVID Primary Care Provider Vaccination Program
    - Mental Health Competency Beds
- OSPB to Work with JBC on Financing Strategies

# SUMMARY OF COVID-19 SPENDING

|  | Actual                 |              |              |              |              | Projected    |               |                     |
|--|------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------------|
| Uses   | March 2020 - June 2021 | July         | August       | September    | October      | November     | December      | January - June 2022 |
| Alternative Care Sites                         | \$60                   | \$0          | \$0          | \$0          | \$0          | \$0          | \$0           | \$0                 |
| Containment                                    | \$69                   | \$8          | \$5          | \$20         | \$2          | \$9          | \$9           | \$52                |
| Distributions to Locals (LPHAs, Tribes, Govs.) | \$265                  | \$1          | \$2          | \$149        | \$12         | \$0          | \$0           | \$0                 |
| Incentive Pay                                  | \$92                   | \$0          | \$0          | \$0          | \$0          | \$0          | \$5           | \$23                |
| Other  | \$186                  | \$22         | -\$2         | \$4          | \$15         | \$61         | \$13          | \$79                |
| PPE  | \$33                   | \$1          | \$6          | \$1          | \$0          | \$0          | \$0           | \$1                 |
| Testing  | \$687                  | \$123        | \$11         | \$16         | \$51         | \$19         | \$19          | \$192               |
| Vaccination and Treatment                      | \$146                  | \$67         | -\$38        | \$39         | -\$3         | \$16         | \$77          | \$183               |
| <b>Total Uses</b>                              | <b>\$1,537</b>         | <b>\$223</b> | <b>-\$16</b> | <b>\$228</b> | <b>\$77</b>  | <b>\$105</b> | <b>\$122</b>  | <b>\$532</b>        |
| Sources  | March 2020 - June 2021 | July         | August       | September    | October      | November     | December      | January - June 2022 |
| State Funds                                    | \$349                  | \$0          | \$0          | \$0          | \$0          | \$0          | \$0           | \$0                 |
| Federal Funds                                  | \$1,629                | \$222        | \$38         | \$0          | \$2          | \$168        | \$7           | \$453               |
| Total New Resources                            | \$1,978                | \$222        | \$38         | \$0          | \$2          | \$168        | \$7           | \$453               |
| Available Resources                            | \$1,978                | \$406        | \$222        | \$238        | \$12         | \$102        | \$5           | \$336               |
| Total Uses                                     | \$1,537                | \$223        | -\$16        | \$228        | \$77         | \$105        | \$122         | \$532               |
| Repay Reserve                                  | \$256                  | \$0          | \$0          | \$0          | \$0          | \$0          | \$0           | \$0                 |
| <b>Cumulative Net</b>                          | <b>\$184</b>           | <b>\$183</b> | <b>\$238</b> | <b>\$10</b>  | <b>-\$65</b> | <b>-\$2</b>  | <b>-\$117</b> | <b>-\$196</b>       |

# SUMMARY OF COVID-19 SPENDING

|   | FY 21<br>(\$ millions) | Anticipated FY 22<br>(\$ millions) |
|---|------------------------|------------------------------------|
| <b>Sources</b>  | <b>\$1,978</b>         | <b>\$1,074</b>                     |
| <i>New Federal</i>  | \$1,629                | \$890                              |
| <i>State</i>  | \$249                  | \$0                                |
| <i>Previous FY Carry Over</i>                                 | \$100                  | \$184                              |
| <b>Sum of Uses</b>  | <b>\$1,794</b>         | <b>\$1,270</b>                     |
| <i>Repay</i>  | \$256                  | \$0                                |
| <i>Testing</i>  | \$687                  | \$431                              |
| <i>Vaccination and Treatment</i>                              | \$146                  | \$341                              |
| <i>Other (PPE, ACS, Containment, LPHAs/Tribes, Personnel)</i> | \$704                  | \$497                              |
| <b>Cumulative Net</b>   | <b>\$184</b>           | <b>-\$196</b>                      |

# GLENWOOD CANYON & WILDFIRE RECOVERY

# GLENWOOD

- **FEMA v FHWA Decision**
- **CDOT**
- **SBA, EWP and Other Recovery Programs**



# WILDFIRE RECOVERY



- **FEMA Public Assistance for East Troublesome & Cameron Peak fires**
  - \$34,981,992 Total projects or damages eligible for FEMA
  - 16 local and state agencies receiving funding
- **Small Business Administration (SBA)**
  - 2020 wildfire assistance has provided \$2,267,300 loans to homeowners.



QUESTIONS?