COVID-19 - Status Update

Delta Update - Current Conditions

11/17/2021

- **7-day Case Rate per 100k**
  - 393

- **COVID patients in hospital**
  - 100

12/13/2021

- **7-day Case Rate per 100k**
  - 229

- **COVID patients in hospital**
  - 80
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

December 10, 2021
Case Rates by Vaccination Status

Cases/100k: 7-Day Rate

Fully Vaccinated vs Not & Part-Vaccinated

- 3mo
- 6mo
- 7d
- 14d
- Mo
- 7d
- All
- 1mo
- 1 wk

Case Rate vs Time (11. Oct to 27. Dec)

- Fully Vaccinated
- 12+ Not Vaccinated/Part Vaccinated
- Under 12/Not Eligible before 11/2021
- Overall
Age-Adjusted Risk of Being Hospitalized With COVID:
Unvaccinated, Fully Vaccinated, & Fully Vaccinated + Booster Dose

People who have received boosters are 3.3 times less likely to be hospitalized with COVID-19 than vaccinated people and 47.5 times less likely to be hospitalized than unvaccinated people.
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
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
Molnupiravir

- Works by inducing mutations
- Complex risk benefit discussion
- 30% effective
COVID-19 - Status Update

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
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Hospital Admission by County

7-day Hospital Admissions per 100,000 residents
- Boulder
- Larimer
- Weld
- Total of 3 counties

Larimer County Mask Requirement in Place

Data incomplete

- 10/20/21, 16.3
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