



VIRTUAL TOWN HALL

# Covid-19 Vaccines for Kids

November 4, 2021

6:00pm-7:00pm



PITKIN COUNTY PUBLIC HEALTH

# COVID-19 in 5-11 Year-Olds

## Data & Safety

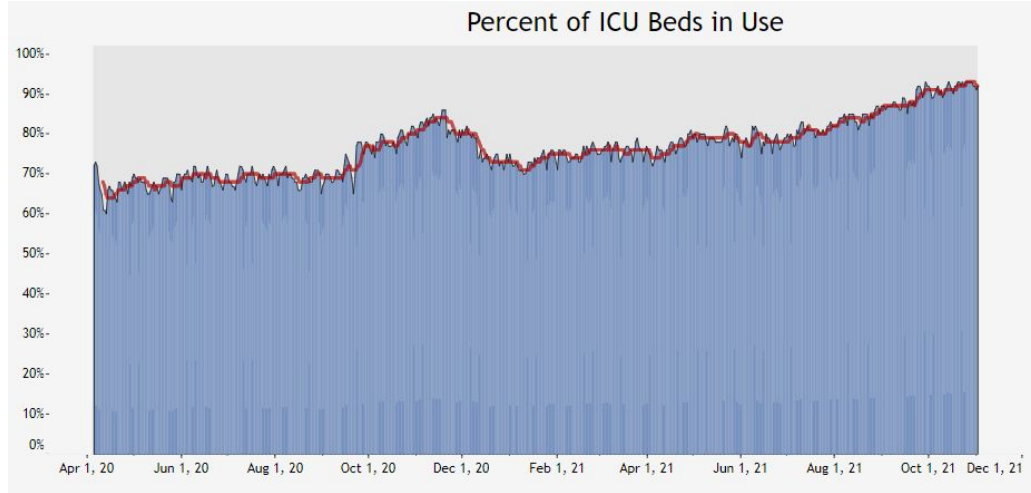
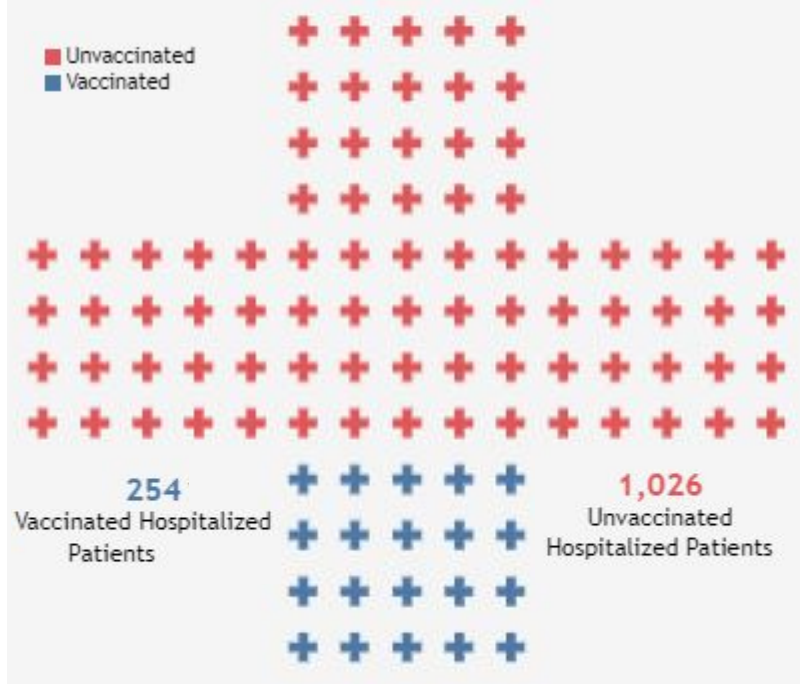
Josh Vance - Pitkin County Public Health Epidemiologist



PITKIN COUNTY PUBLIC HEALTH

# Current State of COVID-19 in Colorado

80% of Those Currently Hospitalized are Unvaccinated<sup>(1)</sup>



**COVID-packed hospitals delaying cancer surgeries, emergency care<sup>(2)</sup>**  
**Colorado hospitals are nearly full as the state battles a growing caseload.<sup>(3)</sup>**

<sup>1</sup>Colorado Department of Public Health and Environment, [Colorado COVID-19 Data](#); <sup>2</sup>New York Times (11/3/21), <sup>3</sup>Fox 31 News Denver (11/1/21)

# Stats on COVID-19 in Children

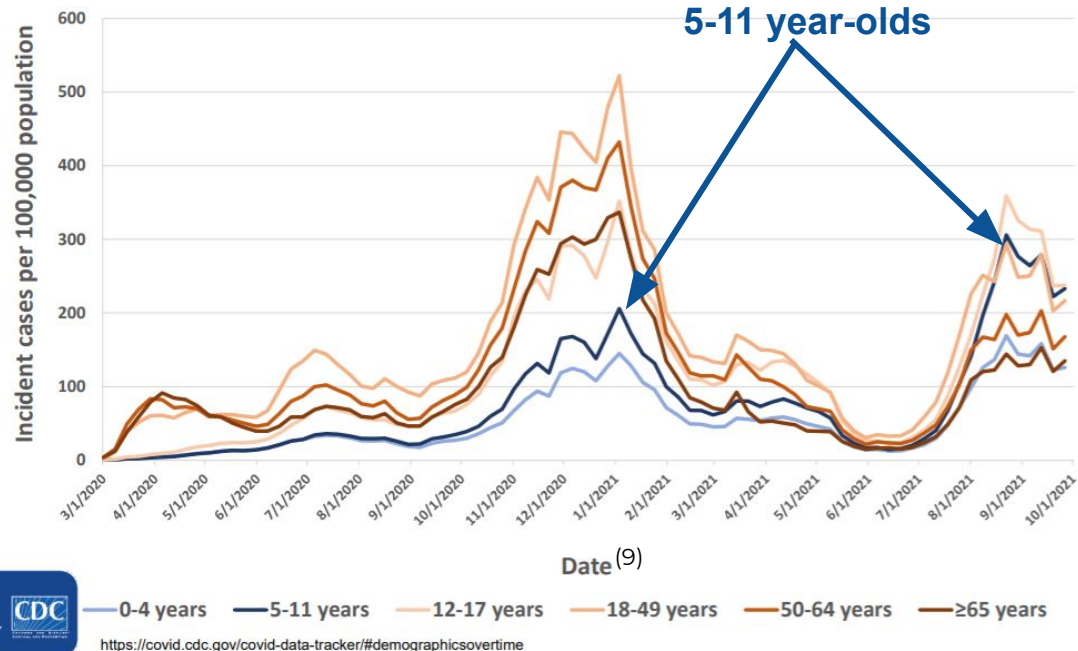
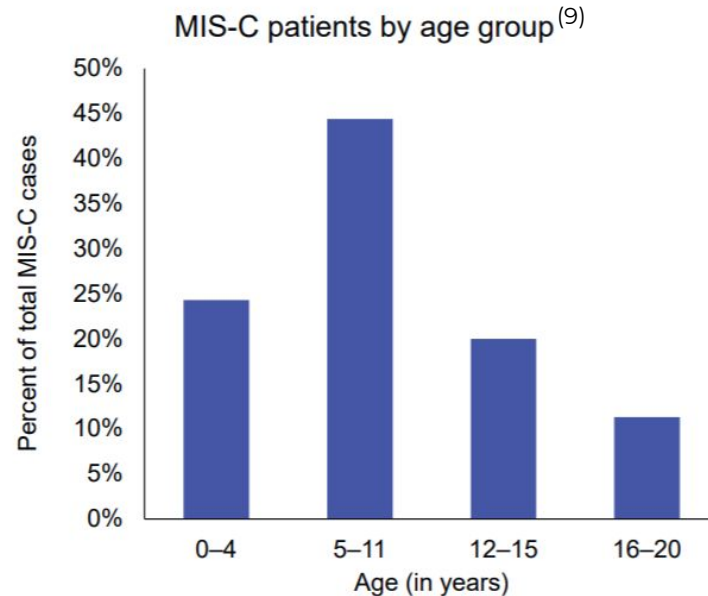
- Over **6.3 million** cases of COVID-19 reported among children<sup>(4)</sup>
- Over **25,000** children have been hospitalized for COVID-19<sup>(4)</sup>
  - In one study, 38% of hospitalized kids had no underlying health conditions<sup>(5)</sup>
- Over **5,200** children diagnosed with multisystem inflammatory syndrome<sup>(4)</sup>
  - In the same study, 69% had no underlying health conditions<sup>(5)</sup>
- Over **790** deaths in children from COVID-19<sup>(4)</sup>
- About **10%** of kids diagnosed with COVID-19 may develop “Long COVID”<sup>(6)</sup>
  - Long-COVID may be less common in vaccinated people<sup>(7)</sup>

<sup>4</sup>Centers for Disease Control and Prevention (CDC) [COVID Data Tracker](#), <sup>5</sup>Feldstein et al. (2021), [Characteristics and outcomes of US children and adolescents with multisystem inflammatory syndrome in children \(MIS-C\) compared with severe acute COVID-19](#), <sup>6</sup>Israel Ministry of Health, [Results of the Long-COVID Survey Among Children in Israel](#),

<sup>7</sup>Antonelli et al. (2021), [Risk factors and disease profile of post-vaccination SARS-CoV-2 infection in UK users of the COVID Symptom Study app: a prospective, community-based, nested, case-control study](#).

# Local and National Data

In Pitkin County, in the past two weeks, **5-11 year-olds have the highest rate** of COVID-19 of all age groups, closely followed by 0-4 year-olds<sup>(8)</sup>



<sup>8</sup>Pitkin County Public Health & Colorado Electronic Disease Reporting System; <sup>9</sup>Centers for Disease Control and Prevention (CDC) ACIP Meeting, [Epidemiology of COVID-19 in Children Aged 5 – 11 years](#) (November 2, 2021)

# Other vaccine preventable diseases

Rate of hospitalization for COVID-19 in children is similar to the hospitalization rate for other diseases before vaccines were available to combat them.<sup>(11)</sup>

	Hepatitis A <sup>1</sup>	Varicella <sup>2</sup> (Chickenpox)	Influenza <sup>3</sup>	COVID-19
<b>Age</b>	5–14 years	<20 years	5–17 years	5–11 years
<b>Time period</b>	2005	1988–1995	2003–2007	Oct 2020–Oct 2021
<b>Hospitalization Burden</b> (per 100,000 population)	<b>&lt;1</b>	<b>4-31</b>	<b>30-80</b>	<b>25</b>

	Hepatitis A <sup>1</sup>	Meningococcal (ACWY) <sup>2</sup>	Varicella <sup>3</sup>	Rubella <sup>4</sup>	Rotavirus <sup>5</sup>	COVID-19
<b>Age</b>	<20 years	11–18 years	5–9 years	All ages	<5 years	5–11 years
<b>Time period</b>	1990–1995	2000–2004	1990–1994	1966–1968	1985–1991	Oct 2020– Oct 2021
<b>Average deaths per year</b>	<b>3</b>	<b>8</b>	<b>16</b>	<b>17</b>	<b>20</b>	<b>66</b>

Although lower than among other age groups, the fatality rate of COVID-19 in 5-11 year-olds is higher than it was for other diseases that we now vaccinate against.<sup>(11)</sup>

# Pfizer's 5-11 Year-Old Vaccine Study

- 1,518 children received two, 10µg doses of vaccine, 750 received a placebo (p. 8)<sup>(11)</sup>
  - A *safety expansion group* of another ~2250 children were enrolled to assess safety<sup>(11)</sup>
- Vaccine efficacy against developing symptomatic COVID-19 was estimated at **90.7%** (p. 10)<sup>(11)</sup>
  - **0 cases of Multisystem Inflammatory Syndrome in Children (MIS-C)**<sup>(11)</sup>
  - **0 severe cases** among those testing positive<sup>(11)</sup>

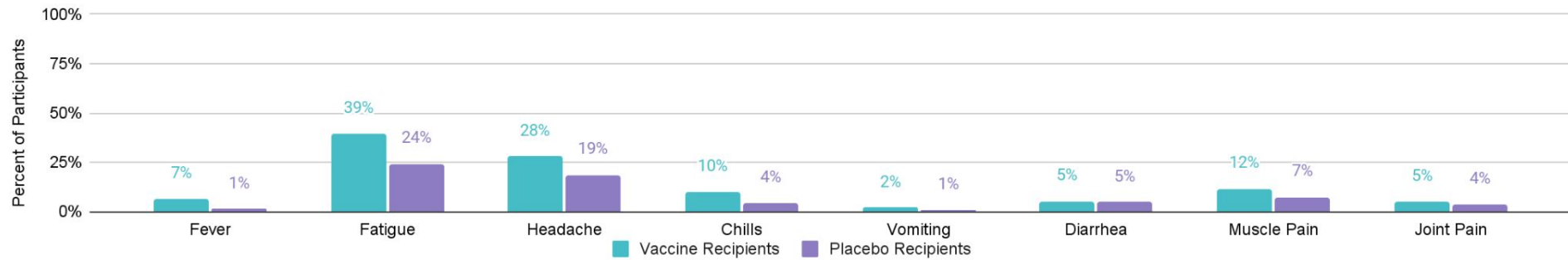
## Cumulative Incidence of COVID-19 After Dose 1: 5 to <12 Years of Age

<sup>(12)</sup>

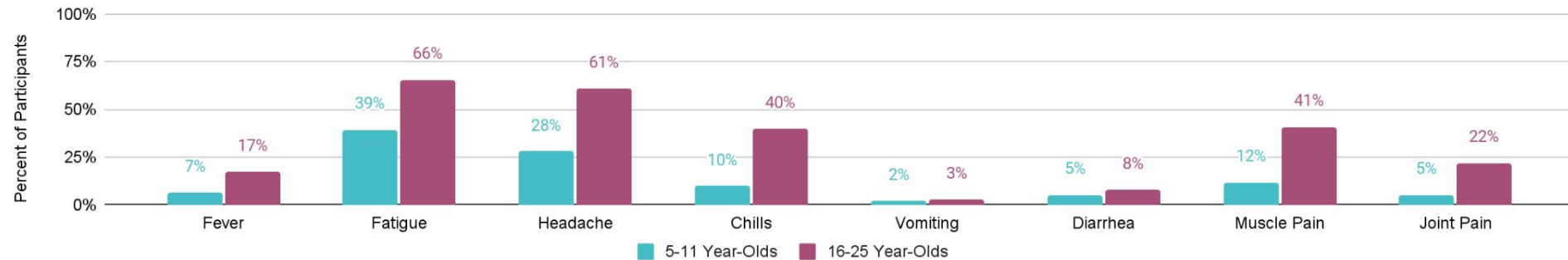
<sup>11</sup>Food and Drug Administration (FDA), [Vaccines and Related Biological Products Advisory Committee Meeting October 26, 2021 Briefing Document](#), <sup>12</sup>Pfizer, BioNTech [BNT162b2 \(COVID-Vaccine, mRNA\) Vaccine-in Individuals 5 to <12 Years of Age](#) (November 2, 2021)

# Side Effects in 5-11 Year-Olds

## Side Effects After the Second Dose, 5-11 Year Olds compared to Placebo<sup>(13)</sup>



## Side Effects After the Second Dose, 5-11 compared to 16-25 Year-Olds<sup>(13)</sup>



**No cases of anaphylaxis, myocarditis/pericarditis, facial paralysis (Bell's palsy), or appendicitis<sup>(13)</sup>**

<sup>13</sup>Pfizer, BioNTech [BNT162b2 \(COVID-Vaccine, mRNA\) Vaccine-in Individuals 5 to <12 Years of Age](#) (November 2, 2021)



# Reasons for Vaccinating 5-11 Year-Olds



## Protect your child

- Limit preventable illness and hospitalization
- Limit the amount of time a child would need to spend out of school and extracurricular activities



## Protect your family

- Limit spread of the virus to vulnerable family members
  - Grandparents
  - Those with chronic illness
  - Cancer survivors or those undergoing cancer therapy



## Protect your community

- Limit likelihood of additional mutations and variants
- Keep schools and businesses open
- Reduce incidence and get us closer to a pandemic end

# Local Pediatrician Perspective

Dr. Mary Harris - Pediatric Practitioner Aspen Medical Center

Dr. David Brooks - Pediatric Practitioner with Valley View Hospital



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# Pfizer Covid-19 Vaccine is Safe & Effective

- **Pfizer is 93% effective at preventing hospitalizations in young people (12-18). 7 million doses have been given in the US.**
  - CDC source [here](#)
- **Pfizer is 91% effective at preventing symptomatic covid-19 infection in 5-11**
  - Source [here](#)
- **FDA approvals and best practices/CDC ACIP Guidelines**
  - Pfizer pediatric doses approved for all 5-11 year olds
  - Safe, Effective, Important to protecting our youngest population
  - FDA Source [here](#)
  - CDC Administration Guidelines [here](#)
- **American Association of Pediatrics Endorsement**
  - Source [here](#)
- **The Pfizer Vaccine that has been formulated for pediatric administration is important to protect our kids, our families and communities**
  - Reduce illness associated with Covid-19, reduce hospitalization due to Covid-19 infection, reduce community spread, keep kids safe and keep kids in school

# Myocarditis and Covid-19

- **Definition:** Inflammation of the heart muscle
  - Incredibly rare side effect of mRNA covid-19 Vaccines, seen more frequently in men / 'middle' adolescent boys (think 15 - 16 yo)
- **Symptoms:** Chest pain, shortness of breath, rapid heart rate
  - Vaccine-related myocarditis is treated well with medication and usually clears up within 24 hours
  - Length of hospital stay in most pediatric institutions less than 3 days even **if** the kiddo is sick enough to need hospitalization.
  - To date, all of the patients who have developed myocarditis from CHCO have had normal heart function after recovery
- **Children are more likely to develop myocarditis due to Covid-19 infection than due to the Covid-19 Vaccination**
  - 15.7% increased rate of myocarditis in covid-19 patients, vs. patients without covid-19 infection (<https://www.cdc.gov/mmwr/volumes/70/wr/mm7035e5.htm>)
  - No instances of myocarditis within FDA study population of 5-11 year olds (n=3,100)

# Myocarditis risks Cont.

**FDA acknowledges the extremely low risk of myocarditis due to Covid-19 vaccination but says the benefits of receiving the vaccine outweigh the risk**

Other resources: CDPHE's Vaccine Hotline, which is dedicated to answering anyone's vaccine questions. 8a - 8p weekdays, 9p - 6p weekends. The number is 800-877-CO VAX CO (aka 877-268-2926)

# How can kids get Vaccinated?

Carly Senst - Pitkin County Public Health Vaccination Coordinator



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# CDC Administration Guidelines - Overview

- **Only Pfizer has been approved at this time**
  - Moderna is working to submit pediatric data to the FDA and CDC
- **Pfizer Approval and Guidelines**
  - **FDA Approval ([read more here](#))**
  - **CDC Administration Guidelines ([read more here](#))**
  - 1/3rd the Dose (10 mG for Pediatrics vs. 30 mG for Adult)
  - 2 doses, 3 weeks apart
  - Ultra cold storage requirements (logistically more challenging for providers)
- **Pitkin County is committed to providing vaccine to this newly eligible population until everyone who wants it, receives it**
  - Upcoming school based clinic dates
    - Availability for 5-11 year olds to get vaccinated in Pitkin County from Nov. 12th to Nov. 19th
  - Onboarding of community pediatric practitioners

# Pitkin County Pediatric Covid-19 Vaccination

- Open to ANY 5-11 year old
  - Regardless of county of residency or school enrolment
- Appointment Only
  - ~ 900 5-11 year olds in Pitkin County
  - Over 1000 doses available
- 2nd Doses Scheduled Day of Initial Dose
  - Aspen: Nov 12th -> Dec 3rd
  - Basalt: Nov 16th & 17th -> Dec. 8th
  - Aspen: Nov. 18th & 19th -> Dec. 10th

## **November 12th**

Aspen High School Gymnasium  
235 High School Rd, Aspen, CO 81611  
3:00pm - 6:00pm  
Scheduling link [here](#)

## **November 16th & 17th**

Basalt Middle School  
51 School St, Basalt, CO 81621  
11:00am - 5:00pm  
Scheduling Link [here](#)

## **November 18th & 19th**

Aspen Middle School  
235 High School Rd, Aspen, CO 81611  
10:00am - 5:00pm  
Scheduling Link [here](#)



# November 12th: Pitkin County Public Health

November 12th: 3:00pm- 6:00pm  
Aspen High School Gymnasium  
235 High School Rd, Aspen, CO 81611  
Scheduling link [here](#)

- 300 Pediatric Pfizer Doses Available
  - Experienced Pediatric Vaccinators
- Therapy dogs present for anxious kiddos
  - Snacks for post vaccination
- Animated movie playing for observation period

# November 16th - 19th: CDPHE Mobile Vax Bus

## **November 16th & 17th**

Basalt Middle School  
51 School St, Basalt, CO 81621  
11:00am - 5:00pm  
Scheduling Link [here](#)

## **November 18th & 19th**

Aspen Middle School  
235 High School Rd, Aspen, CO 81611  
10:00am - 5:00pm  
Scheduling Link [here](#)

- Appointments Required
  - 200-250 Appointments available per day
- Limited walk ups in the instance of day of cancellations
  - Expect longer wait times from 3pm-6pm

# Q&A

\*\*\*Please note that individuals specific medical conditions and questions should\*\*\* be discussed with your primary care physician and pediatrician