

Tri-County Health Department Update on COVID-19: Where Do We Stand?

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April 27, 2020

Overview

- Rationale for movement to Safer at Home: Data overview
- What TCHD is doing regarding Public Health Orders
- Broader roles of TCHD

JARED POLIS
GOVERNOR



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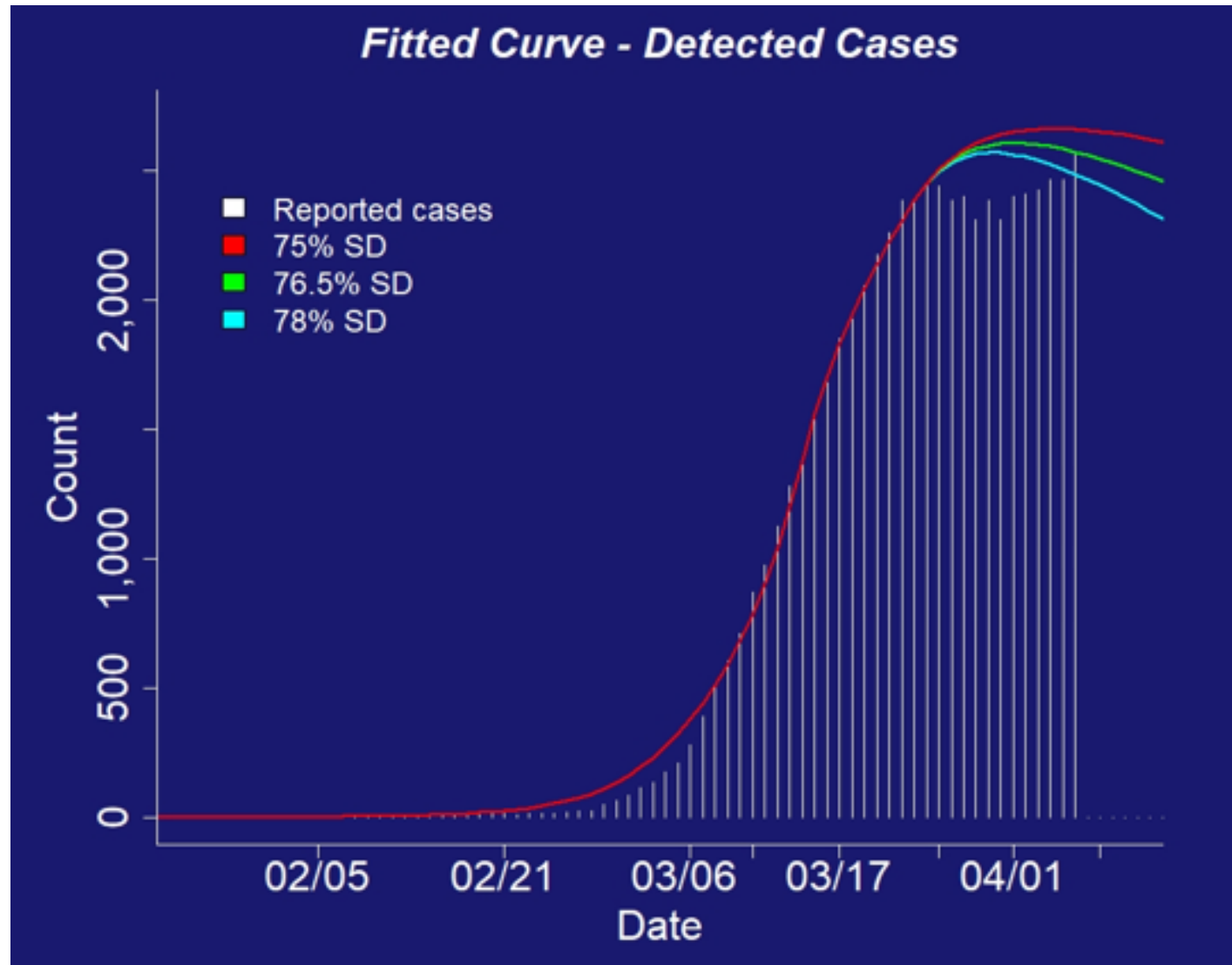
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EXECUTIVE ORDER

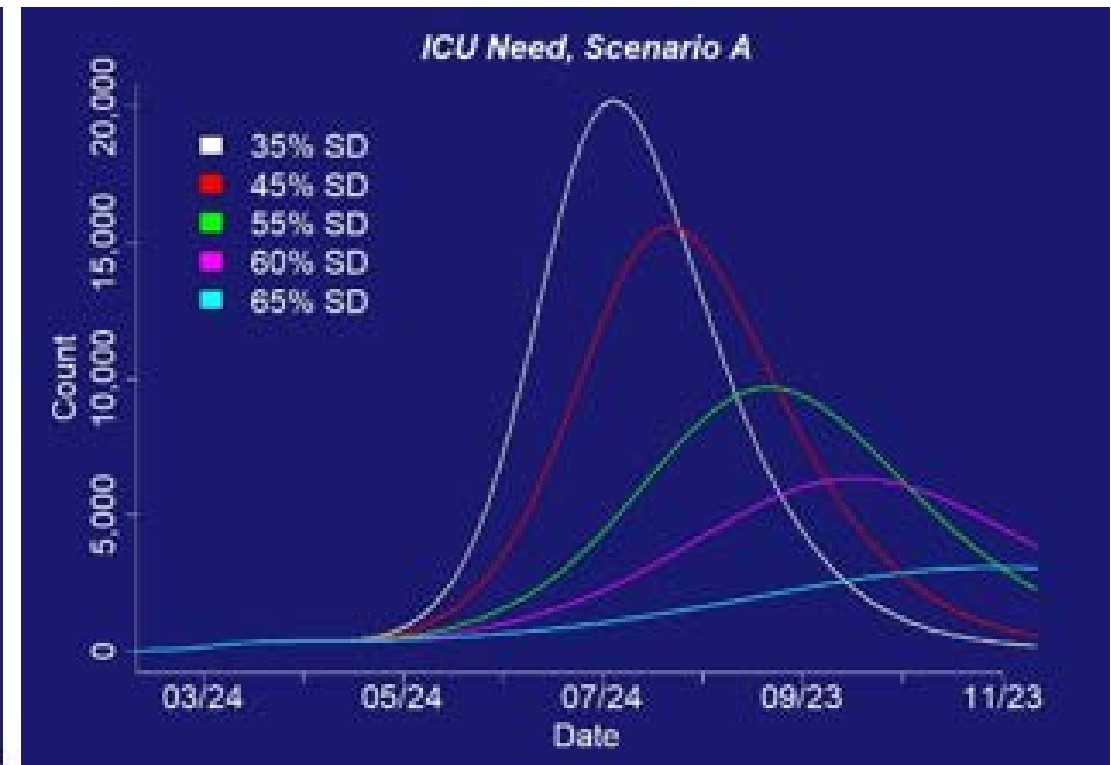
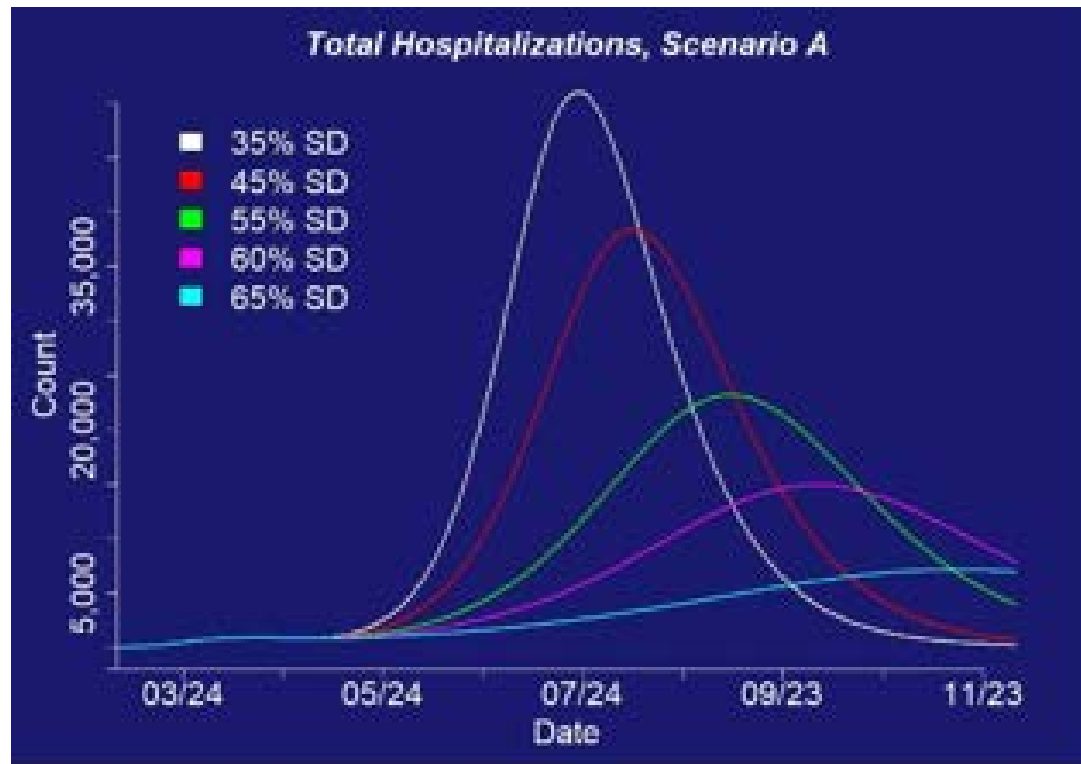
Safer at Home

Pursuant to the authority vested in the Governor of the State of Colorado and, in particular, pursuant to Article IV, Section 2 of the Colorado Constitution and the relevant portions of the Colorado Disaster Emergency Act, C.R.S. § 24-33.5-701, *et seq.*, I, Jared Polis, Governor of the State of Colorado, hereby issue this Executive Order continuing stay at home requirements for vulnerable individuals and permitting the limited reopening of postsecondary institutions and certain business operations due to the presence of coronavirus disease 2019 (COVID-19) in Colorado.

COVID Modeling Report (April 20, 2020)



COVID Modeling Report (April 20, 2020)



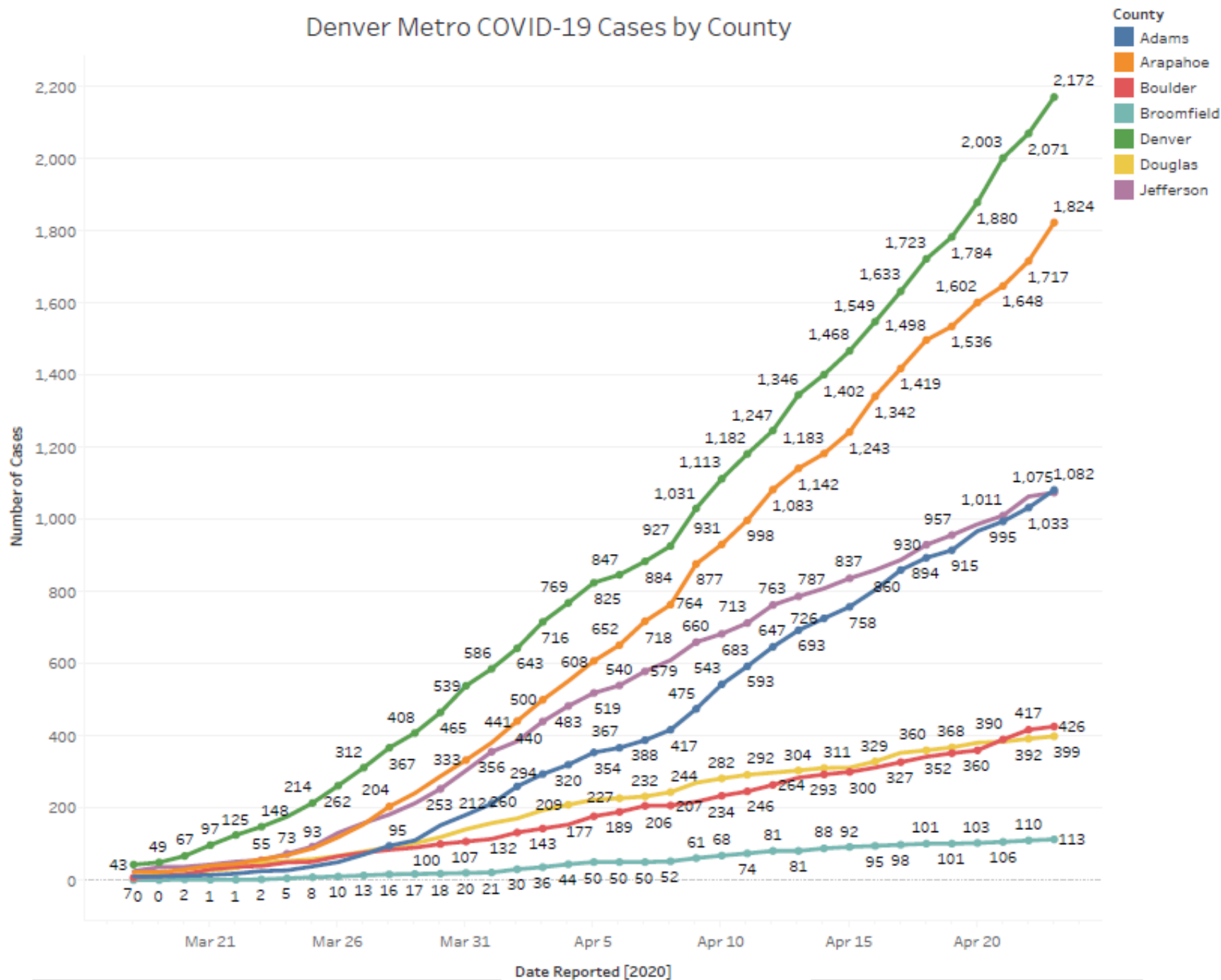
ICU bed peak capacity 1800
once elective surgery returns

Table 4. Projected timing and magnitude of the peak number of ICU hospitalizations for complementary interventions including high levels of social distancing by high-risk groups (scenario B), mask wearing in public (scenario C), aggressive case detection and containment (scenario D), and implemented in combination with social distancing. All scenarios are implemented on 4/27 and maintained indefinitely. Scenarios B through F assume social distancing is also implemented such that contact rates are reduced by 45%, 55% or 65% of normal levels and thus can be viewed as addition to scenario A.

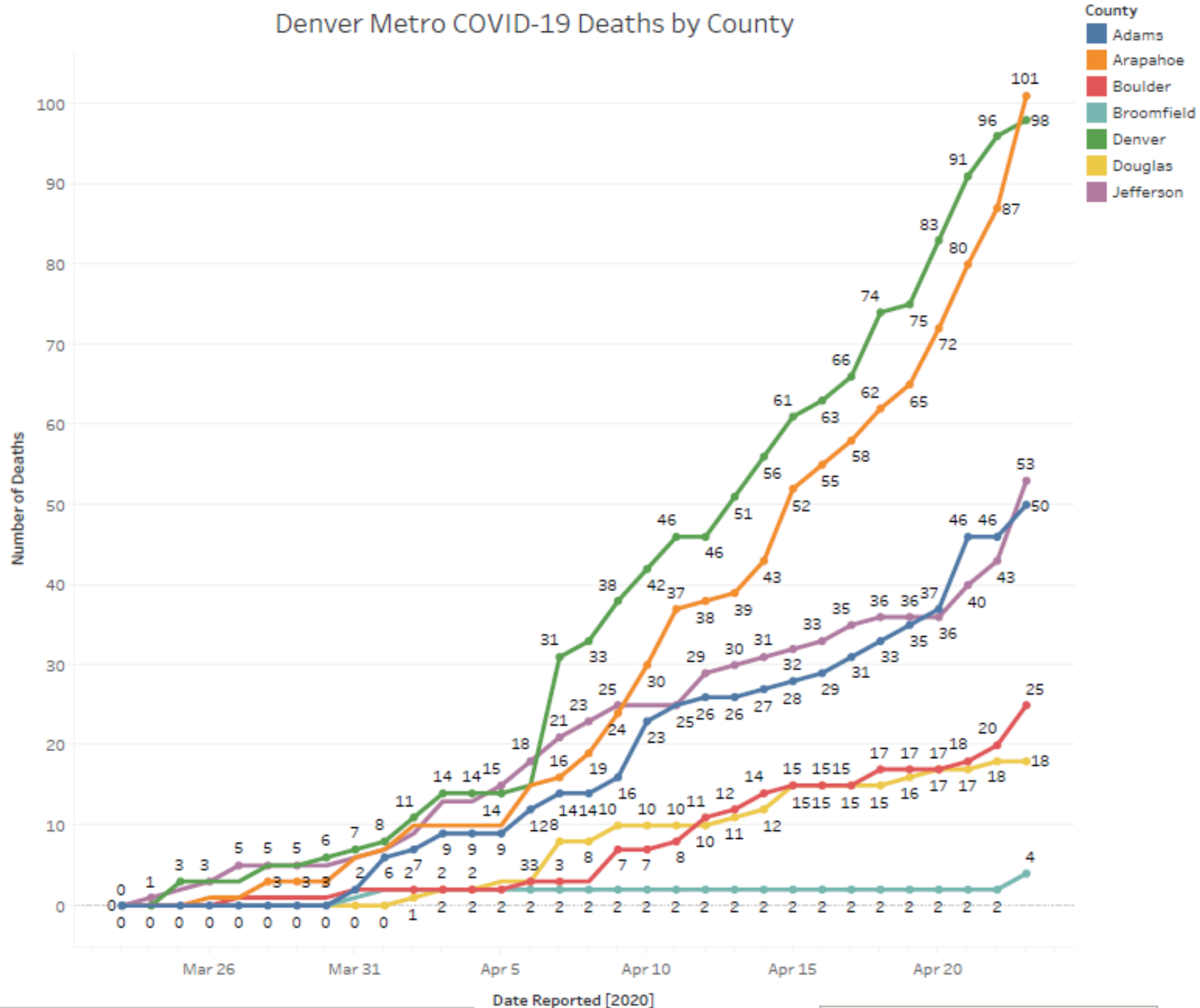
	Relax social distancing to 45%		Relax social distancing to 55%		Relax social distancing to 65%	
	Est. peak ICU need*	Est. date of ICU peak	Est. peak ICU need*	Est. date of ICU peak	Est. peak ICU need*	Est date of ICU peak
Scenario A: Partial relaxation of social distancing (reference)	15,600	08/07/2020	9,670	09/06/2020	3,070	11/13/2020
Complementary interventions						
Scenario B: Older adults maintain social distancing at current high levels	7,530	8/28/2020	4,630	10/01/2020	1,380	12/11/2020
Scenario C: Mask wearing by the public	12,600	08/20/2020	6,770	09/28/2020	1,270	12/21/2020
Scenario D: Improved case detection and isolation	14,700	08/07/2020	7,980	09/03/2020	1,560	09/22/2020
Combinations of complementary interventions						
Scenario E: Mask wearing, and improved case detection and containment	11,200	08/20/2020	4,650	09/17/2020	653	08/24/2020
Scenario F: Mask wearing, improved case detection and containment, and older adults maintain current high levels of social distancing	4,100	09/10/2020	1,420	09/24/2020	355	04/21/2020

*Rounded to 3 significant figures.

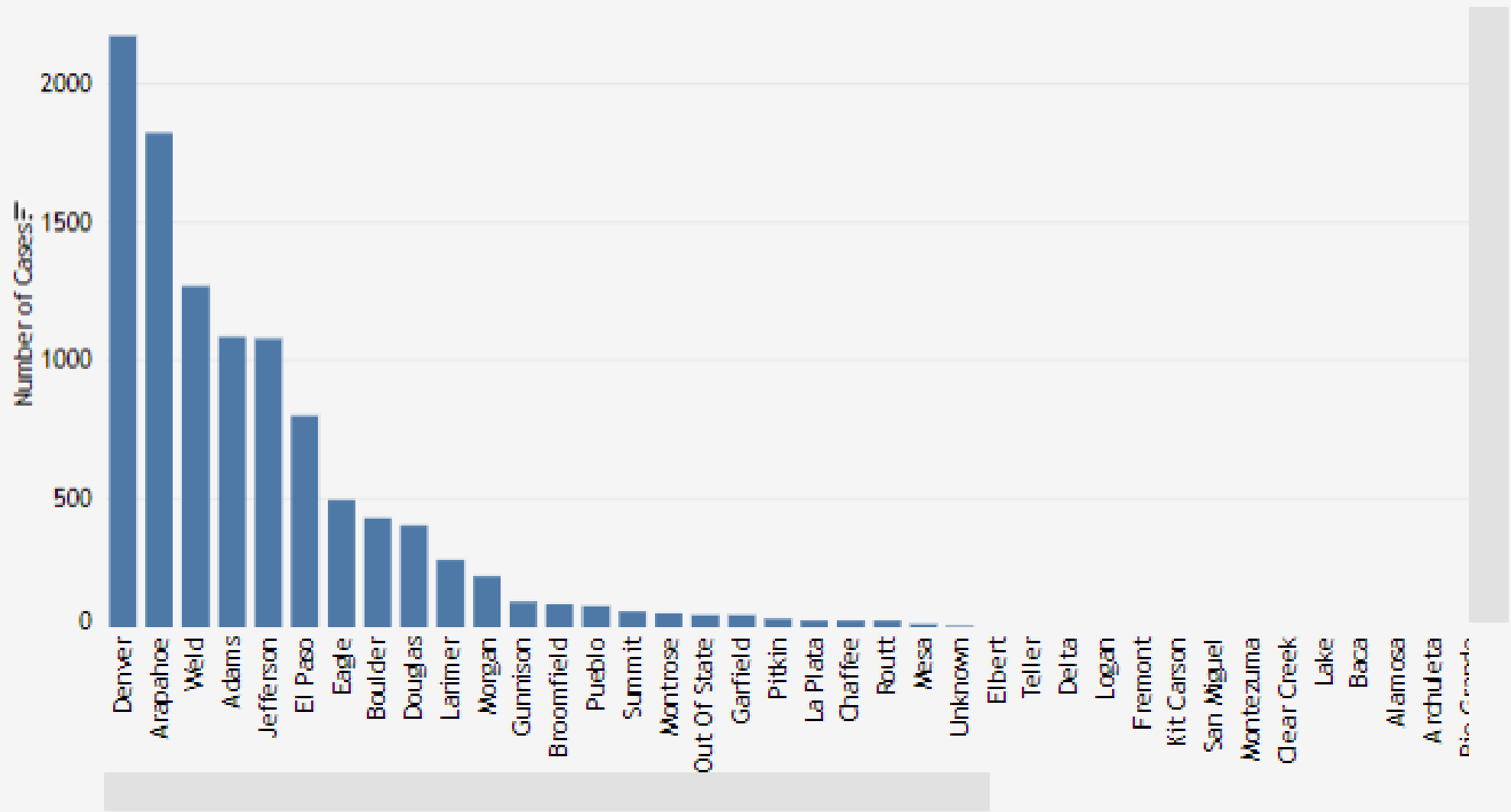
Denver Metro COVID-19 Cases by County



Denver Metro COVID-19 Deaths by County



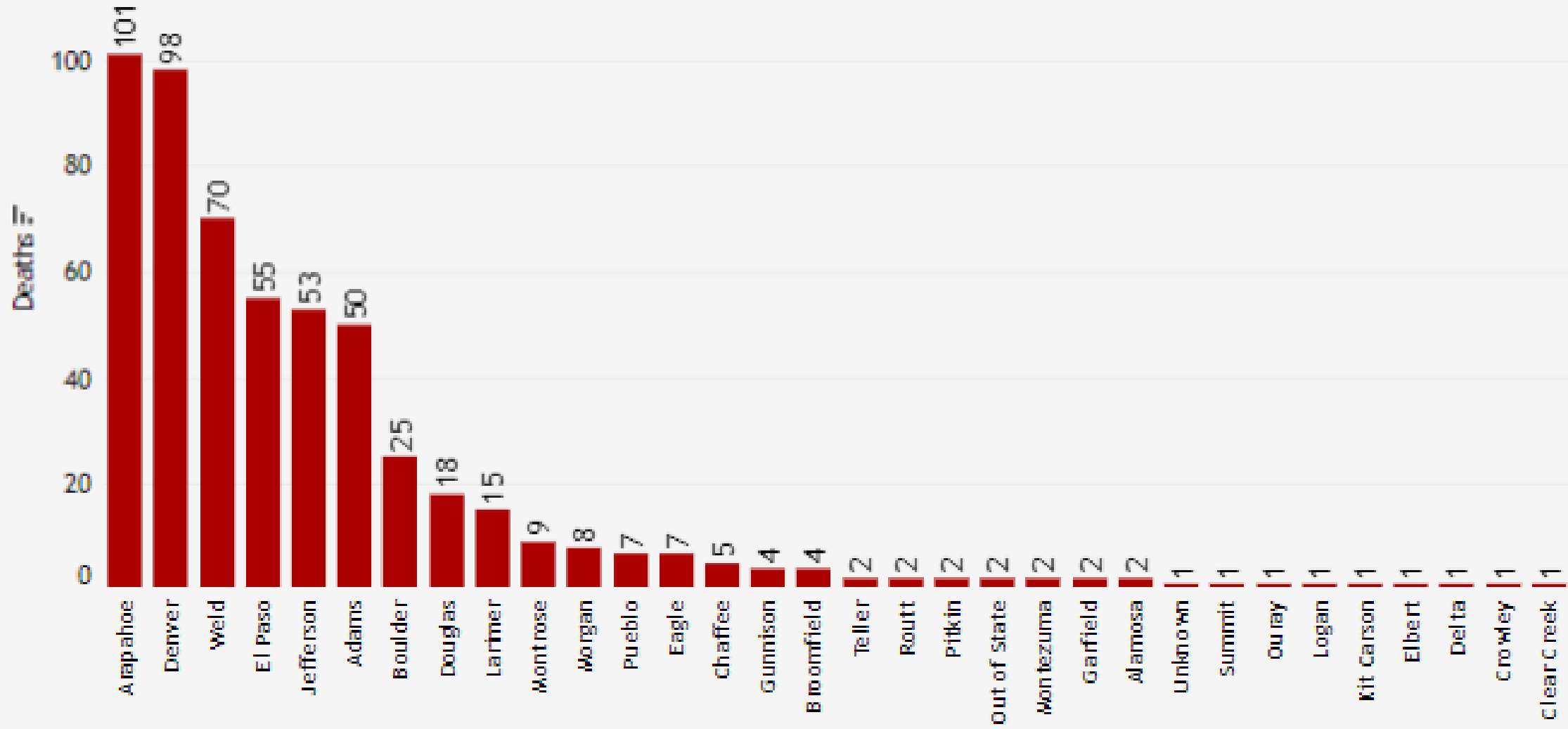
Cases of COVID-19 in Colorado by County



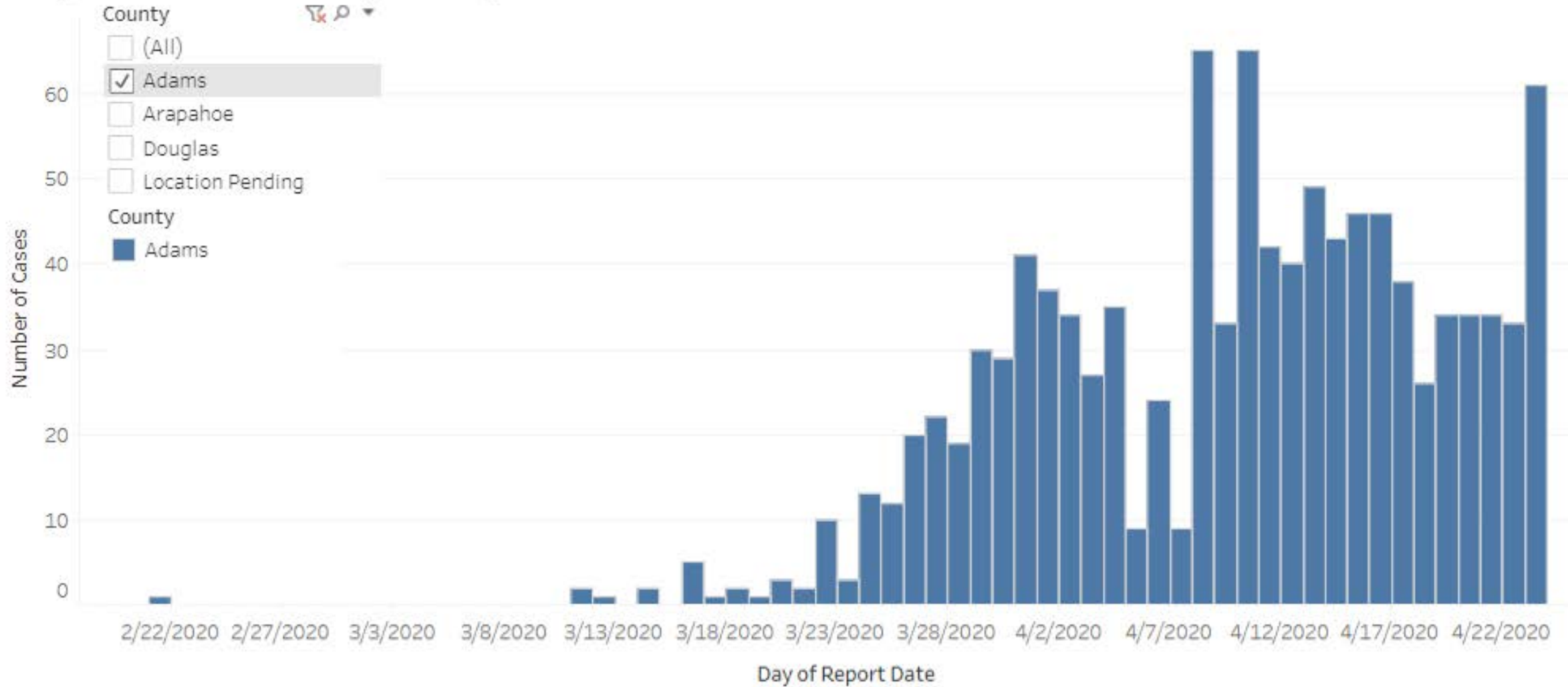
* People who tested positive for COVID-19 in Colorado while visiting are included in the county where they were identified.

** Some cases may still be under investigation and county not assigned yet.

Number of Deaths by County



Daily COVID-19 Cases by County

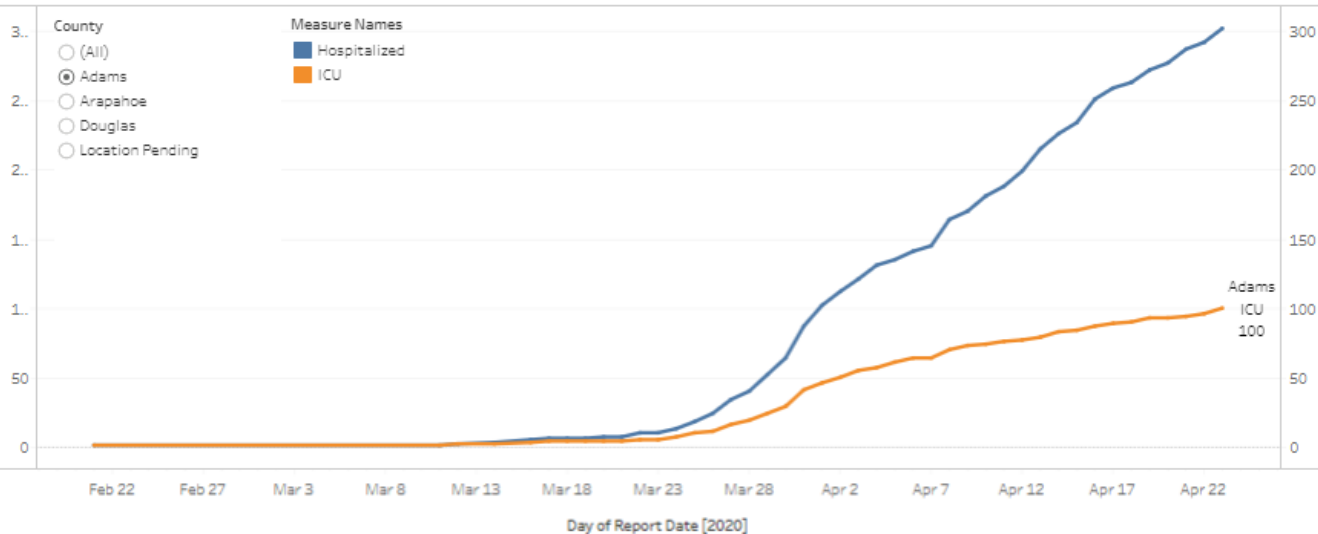


Cumulative Daily Number of COVID-19 Hospitalizations and ICU Admissions

(at start of case investigation)

Does not include hospitalizations after initial case investigation

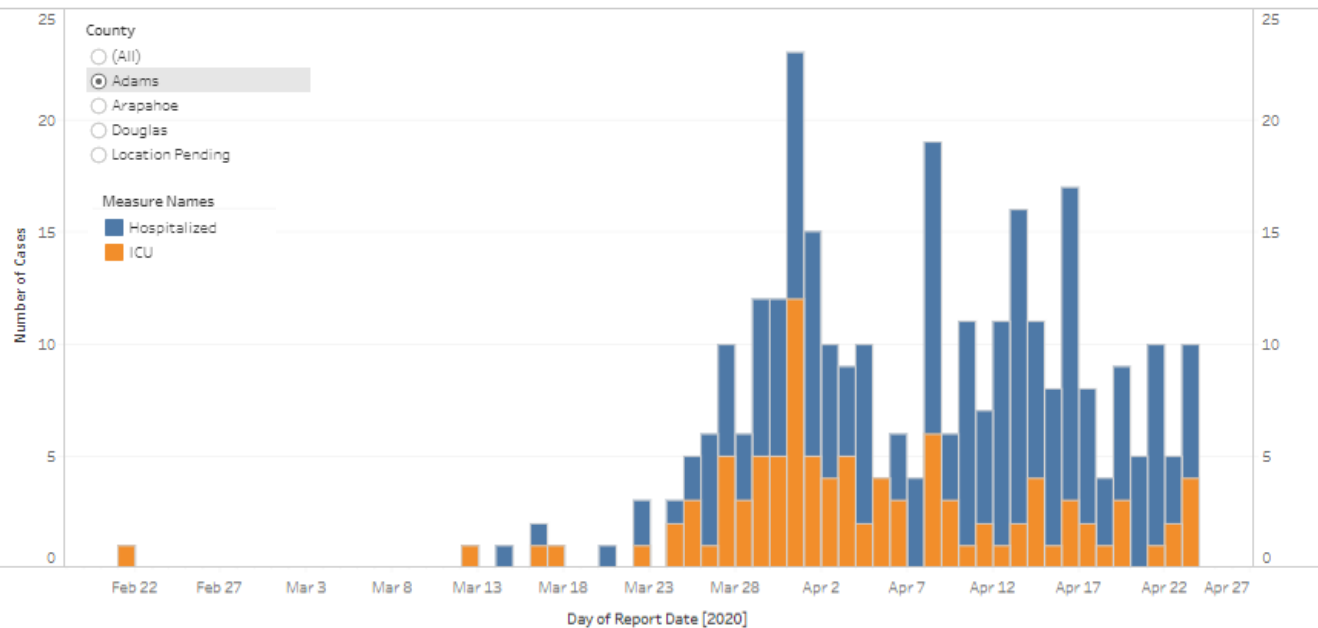
Counts of hospitalizations include ICU admissions



Daily Number of COVID-19 Hospitalizations and ICU Admissions

(at start of case investigation)

Does not include hospitalizations after initial case investigation



Total Count of
COVID-19 Cases
in Adams County

1,195

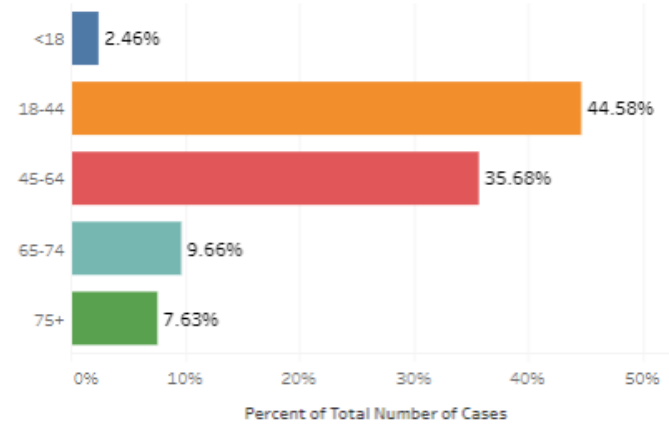
COVID-19 Crude
Rate per 1,000
in Adams County

2.34

Population
Estimate
in Adams County
*Source: All population data
comes from DOLA 2018

511,469

COVID-19 Percent of Cases by Age
in Adams County

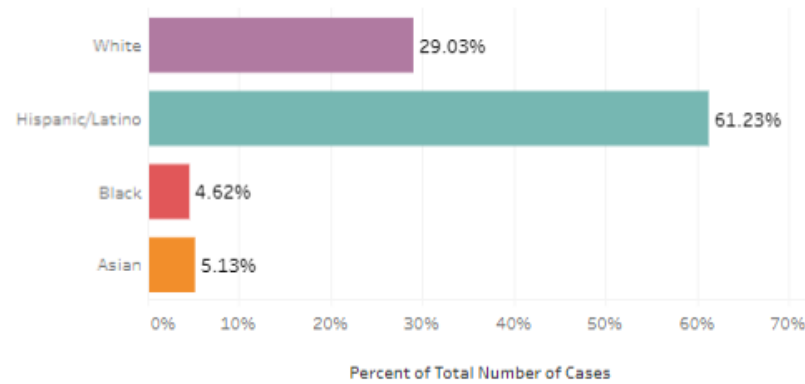


COVID-19 Crude Rate by Age Group per
1,000
in Adams County

<18	0.22
18-44	2.51
45-64	3.65
65-74	3.45
75+	4.44

Of COVID19 Cases

Percent of Cases by Race/Ethnicity
in Adams County



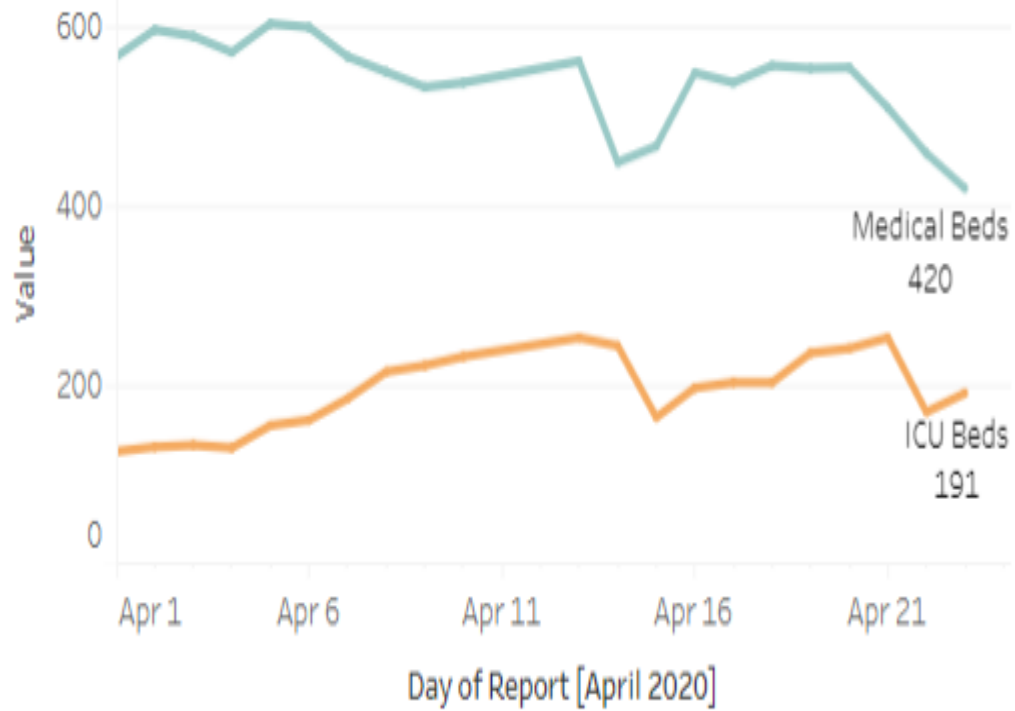
Crude Rate by
Race/Ethnicity per 1,000
in Adams County

Rate of
Hospitalizations per
1,000
in Adams County

White	1.10	0.28
Hispanic/Latinx	2.88	0.76
Black	2.36	0.84
Asian	2.14	0.90

Daily Trend of Available Medical and ICU Beds by Hospital

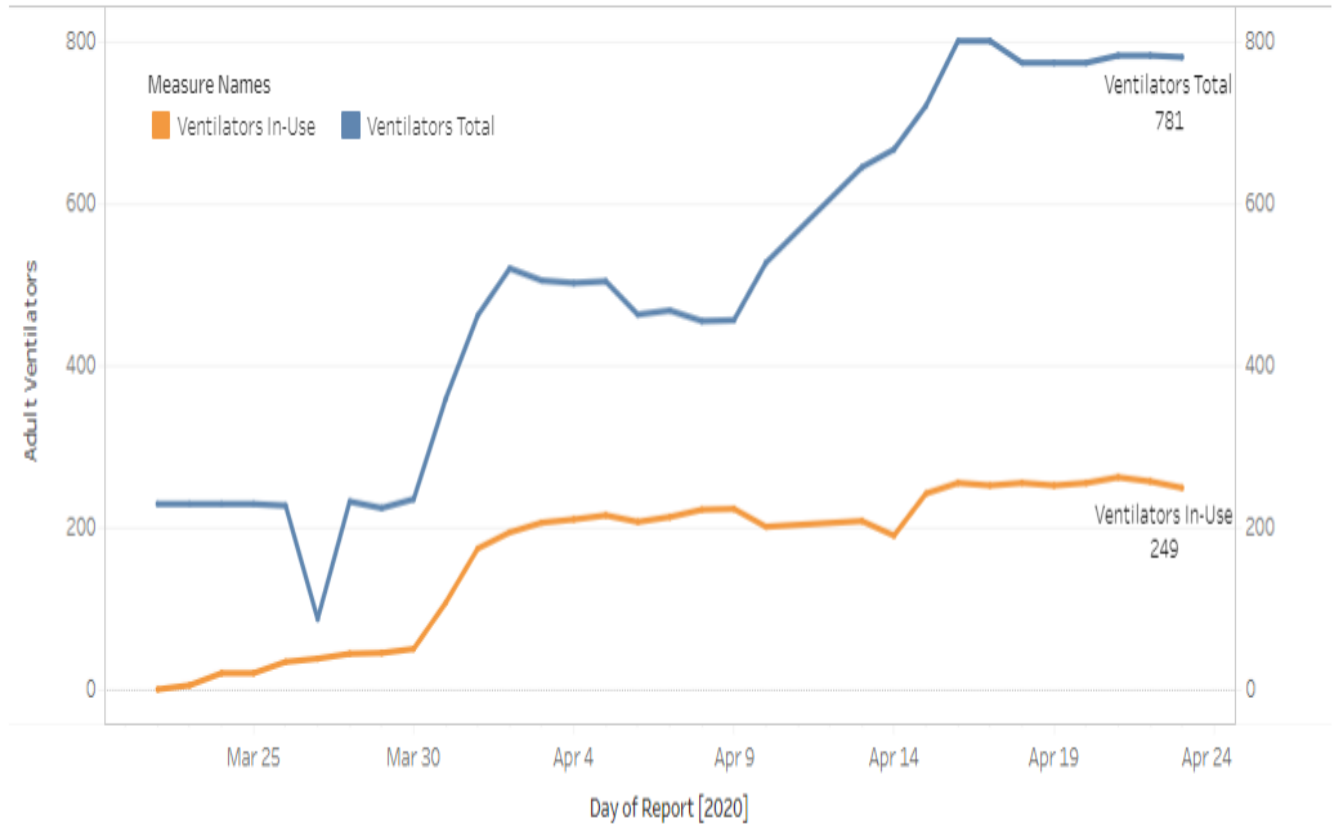
* This data represents only Hospitals in Adams, Arapahoe, and Douglas Counties
 **This trend is updated daily. The number represented by the last data point may be incomplete.



Daily Trend of Available and In Use Adult Ventilators by Hospital

Day of Time of Report
 March 22, 2020 April 23, 2020

* This data represents only Hospitals in Adams, Arapahoe, and Douglas Counties
 **This information is updated daily.



Current Available and In Use Adult Ventilators by Hospital

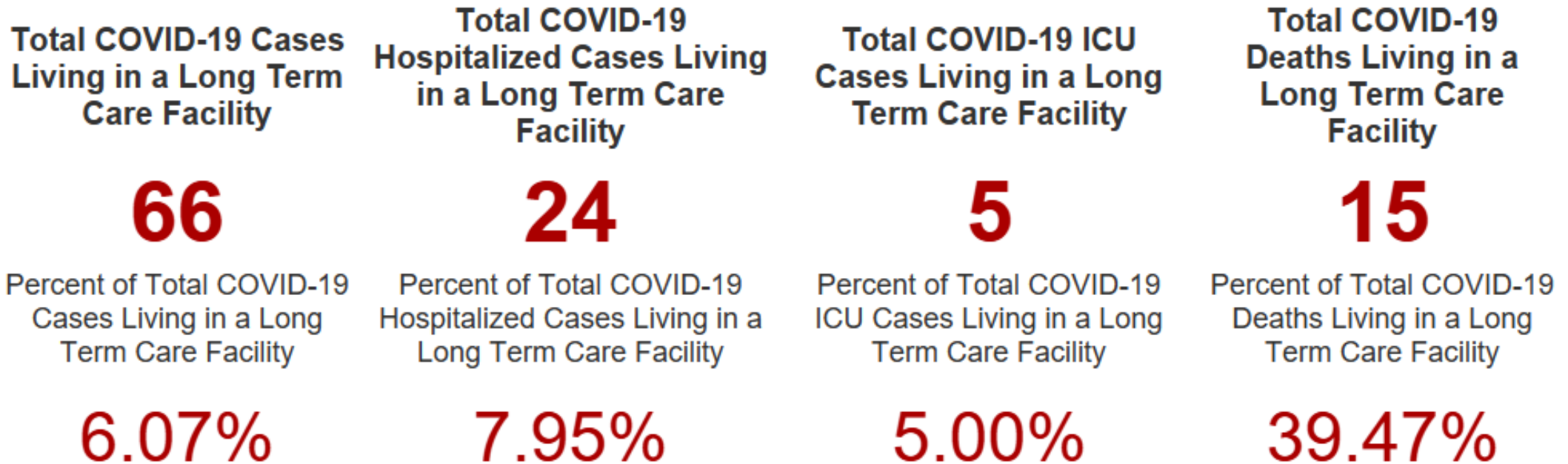
* This data represents only Hospitals in Adams, Arapahoe, and Douglas Counties

**This information is updated daily.

Hospital	📍	Ventilators Total	Ventilators In-Use
Castle Rock Adventist Hosp Centura III		22	2
Children's Hospital Colorado^ RPTC		57	35
Childrens Hospital Colorado South		0	0
Littleton Adventist Hospital Centura^ II		65	13
Medical Center of Aurora^ II		102	33
North Suburban Medical Center^ II		38	4
Parker Adventist Hospital Centura^ II		33	6
Platte Valley Medical Center^ III		33	10
Sky Ridge Medical Center^ II		20	12
St. Anthony North Health Campus^ III		110	32
Swedish Medical Center^ I		69	30
UCHealth Highlands Ranch Hospital^ III		25	2
UCHealth University Hospital ^I		207	70

Adams County COVID Cases in Long Term Care Facilities

(Updated 4/23/20)



Long term care facility case details based on current COVID-19 case data for Adams County as of 04/23/2020

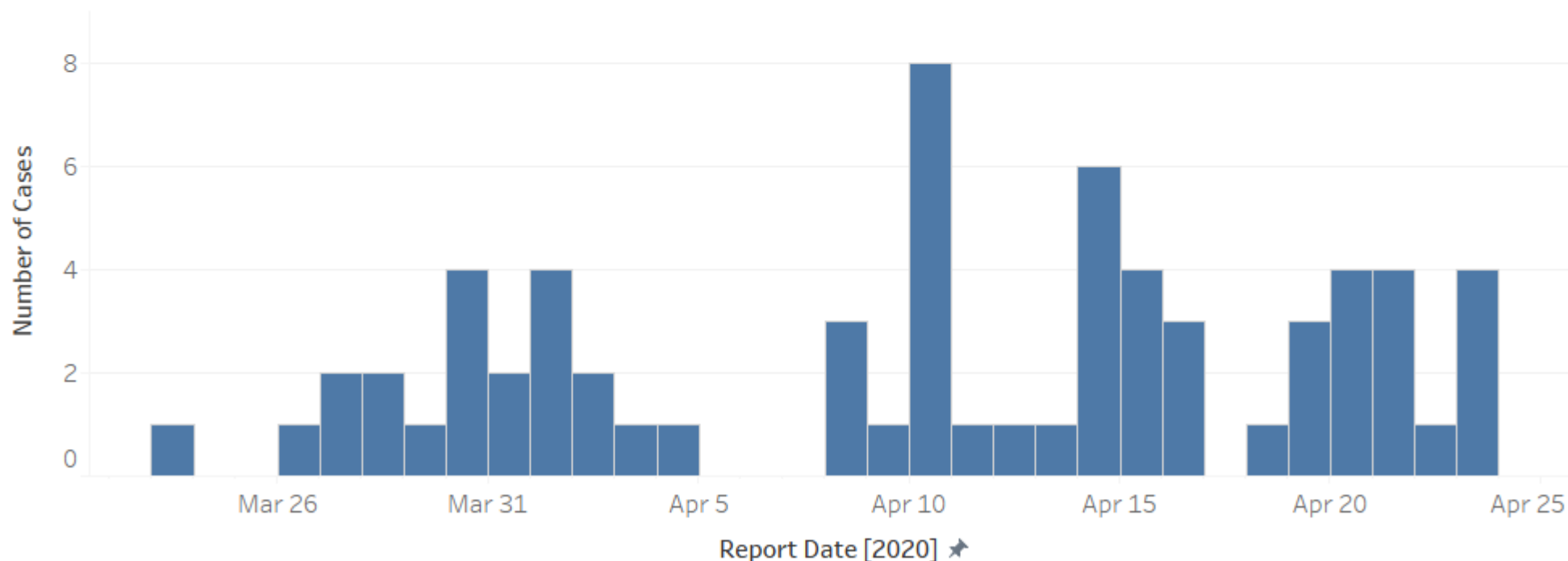
Counts of Total COVID-19 Cases

Counts of Total COVID-19 Related Deaths

66

33

Daily Trend of COVID-19 Cases Living in a Long Term Care Facility All



Where Do We Stand?

- Denver Metro area remains an area of active COVID transmission
- Cases and hospitalizations appear to be flattening but haven't yet begun to decline
- Some prevention measures (eg, support of LTCF, testing, masking) improving, others (contact investigation) not yet
- Considerations:
 - Extend optimal social distancing to improve flattening/declining, putting us in a better place to decrease a surge if/when it happens
 - Guidance from Governor has been evolving and we urgently need to understand final details
 - To reduce confusion, any new order should occur when Governor lifts Stay-at-Home order 4/27
 - Extra time should enhance testing, contact investigation, business preparation for Safer-at-Home provisions
 - Most effectively done in concert with counties with growing/plateaued epidemics

TCHD Approach

- Board of Health approved continuation of existing Stay at Home order through May 8 for counties with high rates of transmission (Adams, Arapahoe)
 - Modify to allow curbside pick-up for non-essential retail stores
 - Parallel to what Safer at Home allows through May 1, with one week extension
 - Highly coordinated with Jefferson, Boulder, Broomfield Public Health
 - Consistent with Denver plans (current order to be extended through May 8)
 - Not able to consider sub-county levels over 14 days of the order due to operational considerations (how to equitably define which areas not to include) and clarity
- Work with CDPHE to expand area testing and contact investigation capacity
- Work with other Metro LPHAs and local partners to refine pending state business-specific guidance to provide greater clarity
 - Curbside pick-ups as of 4/27
 - Other business openings as of 5/8

TCHD Efforts in Response to COVID Pandemic

- Core

- Surveillance and data analysis
- Case investigation & contact notification
- Outbreak investigation/oversight (eg, Longterm Care Facilities)
- Public information
- Oversight of public health orders

- Collaborative

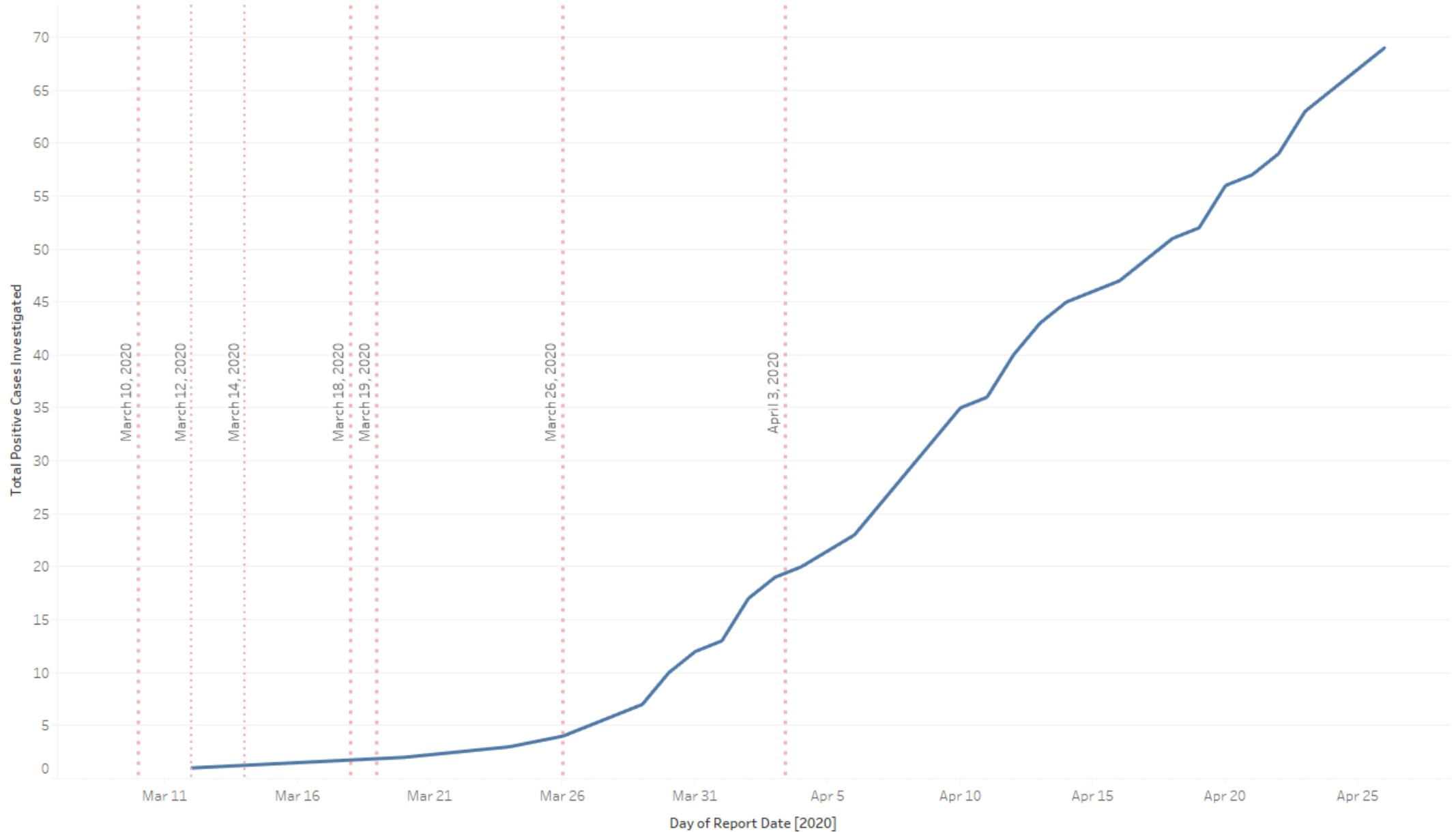
- Medical surge/alternate care facility
- PPE coordination
- Testing
- Food security
- Shelter/isolation persons experiencing homelessness

Questions

Cases City of Northglenn | Total Number of Positive COVID-19

* The most recent day's case counts will be incomplete until the following day as cases are reported and investigated. Cases will differ from state and federal based on how cases are reported to those entities.

** Red dashed lines indicate social distancing and changes in government recommendations. Hover over the dashed line to see changes that took place that day.



Epi Curve of Daily Confirmed COVID-19 Cases (Northglenn)

**This trend is updated daily. The number represented by the last data point may be incomplete

