

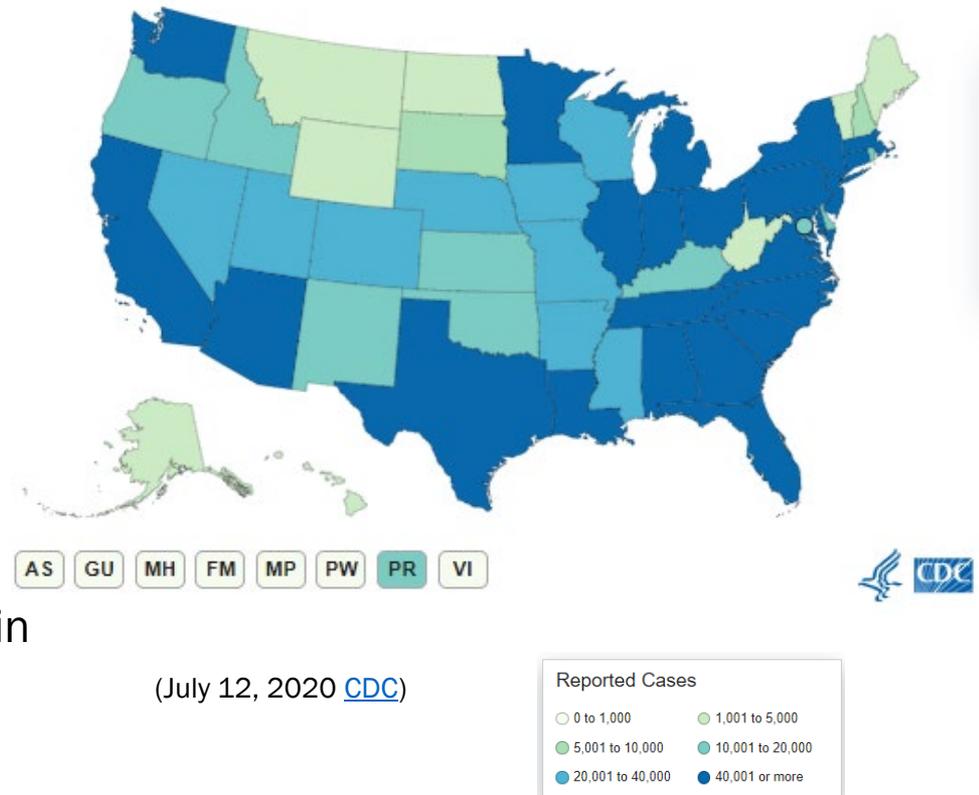
COVID-19 in New Mexico: Epidemiology Update Legislative Finance Committee

July 17, 2020

Chad Smelser, MD
Acting State Epidemiologist

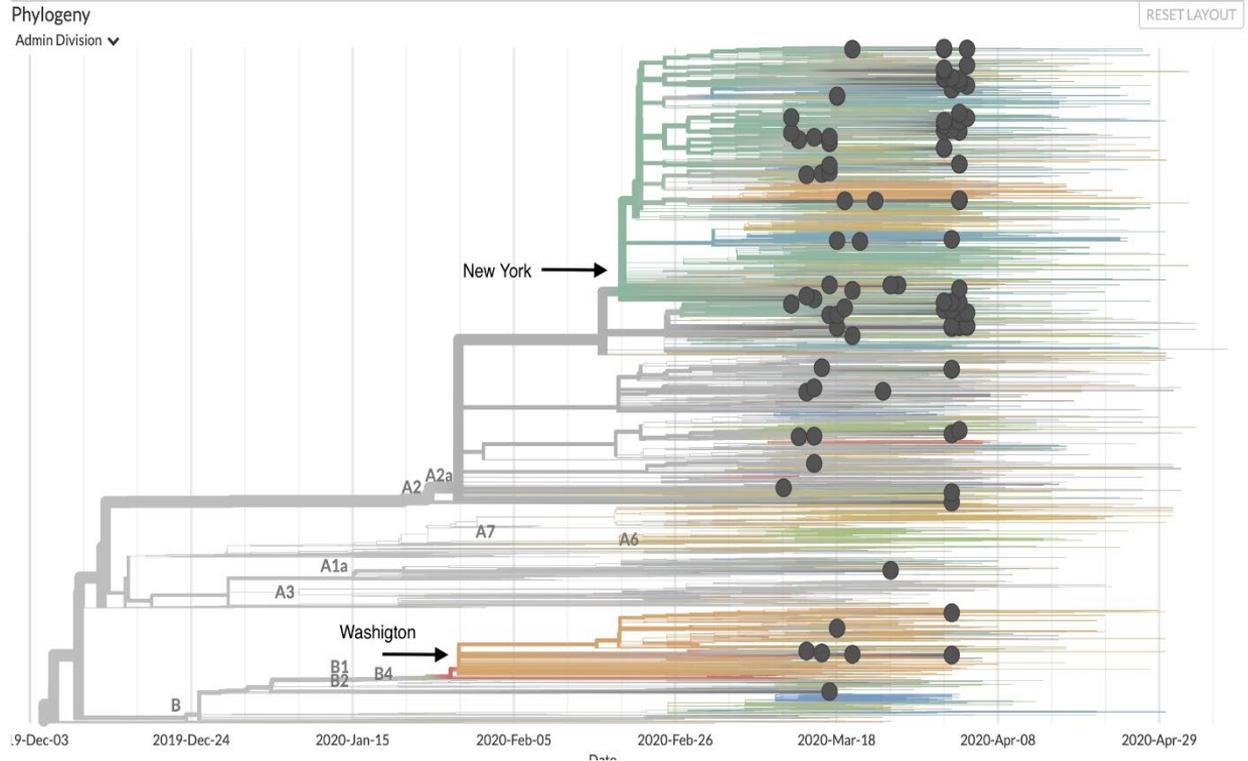
COVID-19 Pandemic Timeline

- **December 2019:** Virus first identified in Wuhan, China
- **20 January 2020:** First confirmed case in the United States
- **11 March 2020:**
 - First confirmed case in New Mexico
 - Declared a pandemic by World Health Organization
- **As of July 13, 2020:**
 - 13 million cases and 570,000 deaths worldwide
 - 3.3 million cases and 135,000 deaths in the United States
 - New Mexico has the 32nd highest prevalence in the U.S.



NM COVID-19 Genomic Studies

Showing 129 of 5566 genomes sampled between Mar 2020 and Apr 2020. Filtered to [New Mexico \(129\)](#).

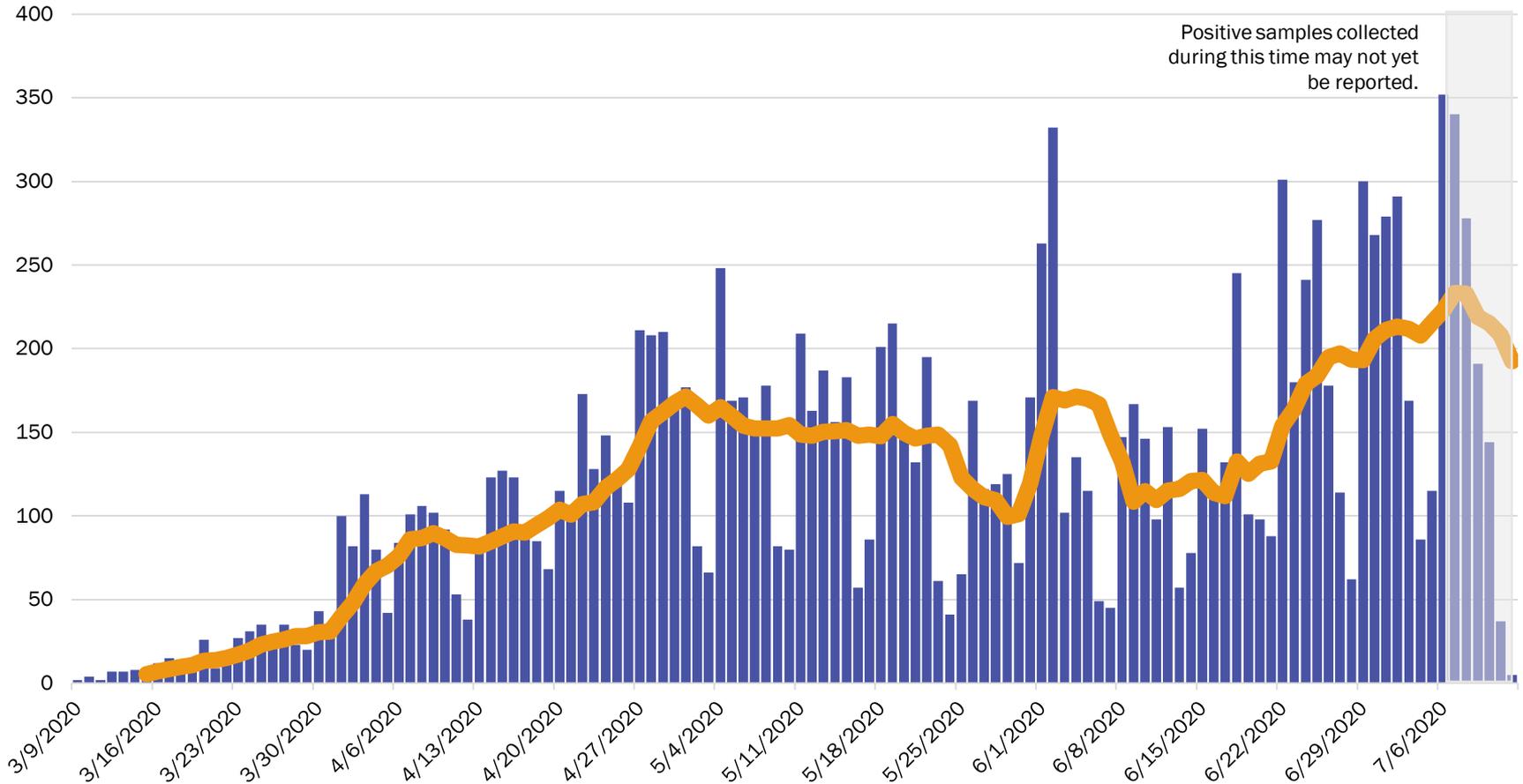


- Use genetic information of virus to estimate number and timing of introductions into New Mexico
- Multiple introductions into the state
 - **First cases travel related**

Courtesy of University of New Mexico – April 28, 2020.

New Mexico case counts increasing since the end of June

Daily New Case Counts with 7 Day Moving Average



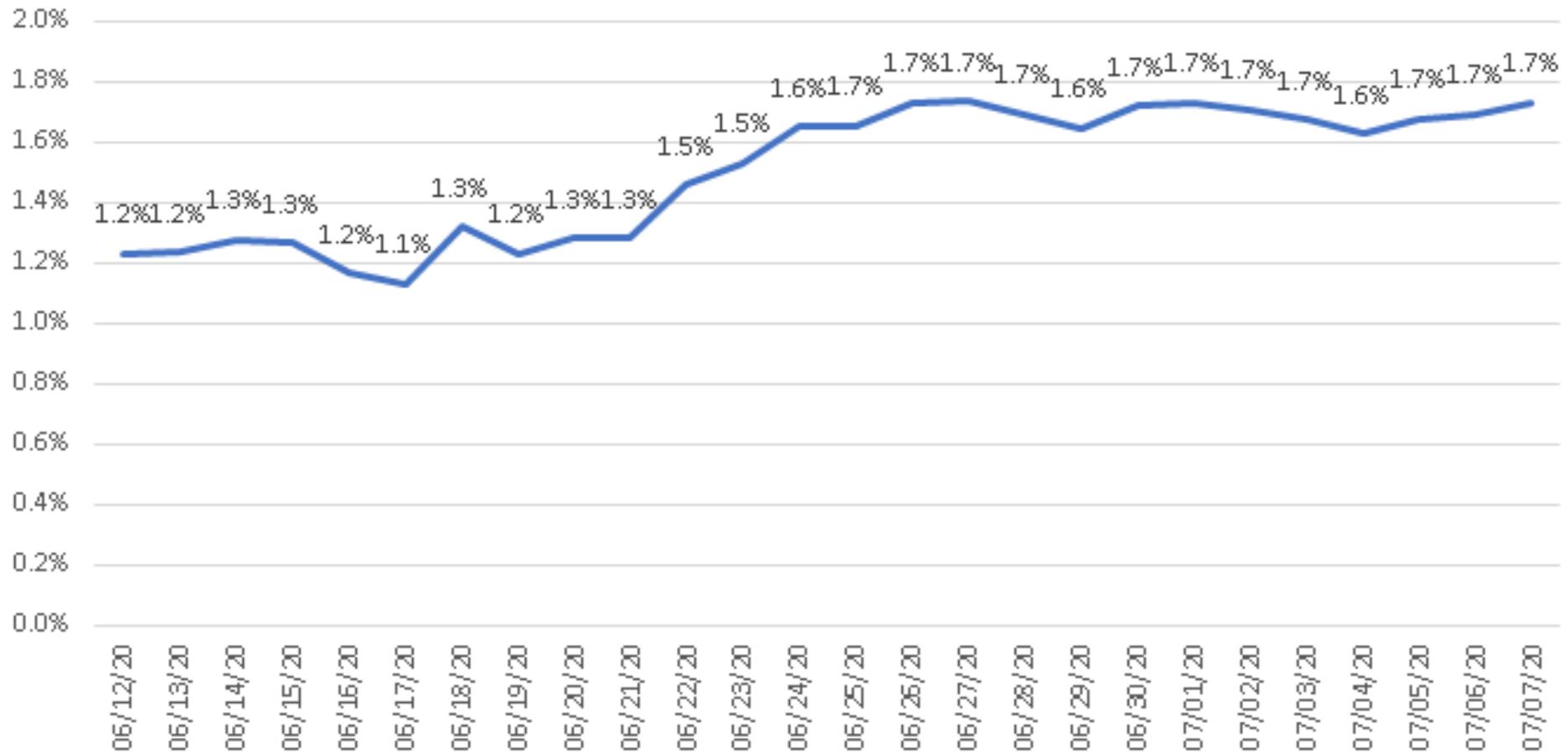
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 7.13.2020, New Mexico Department of Health.



Investing for tomorrow, delivering today.

1190 S. St. Francis Drive • Santa Fe, NM 87505 • Phone: 505-827-2613 • Fax: 505-827-2530 • nmhealth.org

7-Day Rolling Average of the Daily Growth Rate Based on Date of Collection - July 13, 2020



Source: New Mexico Department of Health, Epidemiology and Response Division, New Mexico Electronic Disease Surveillance System (NMEDSS), 7/13/2020

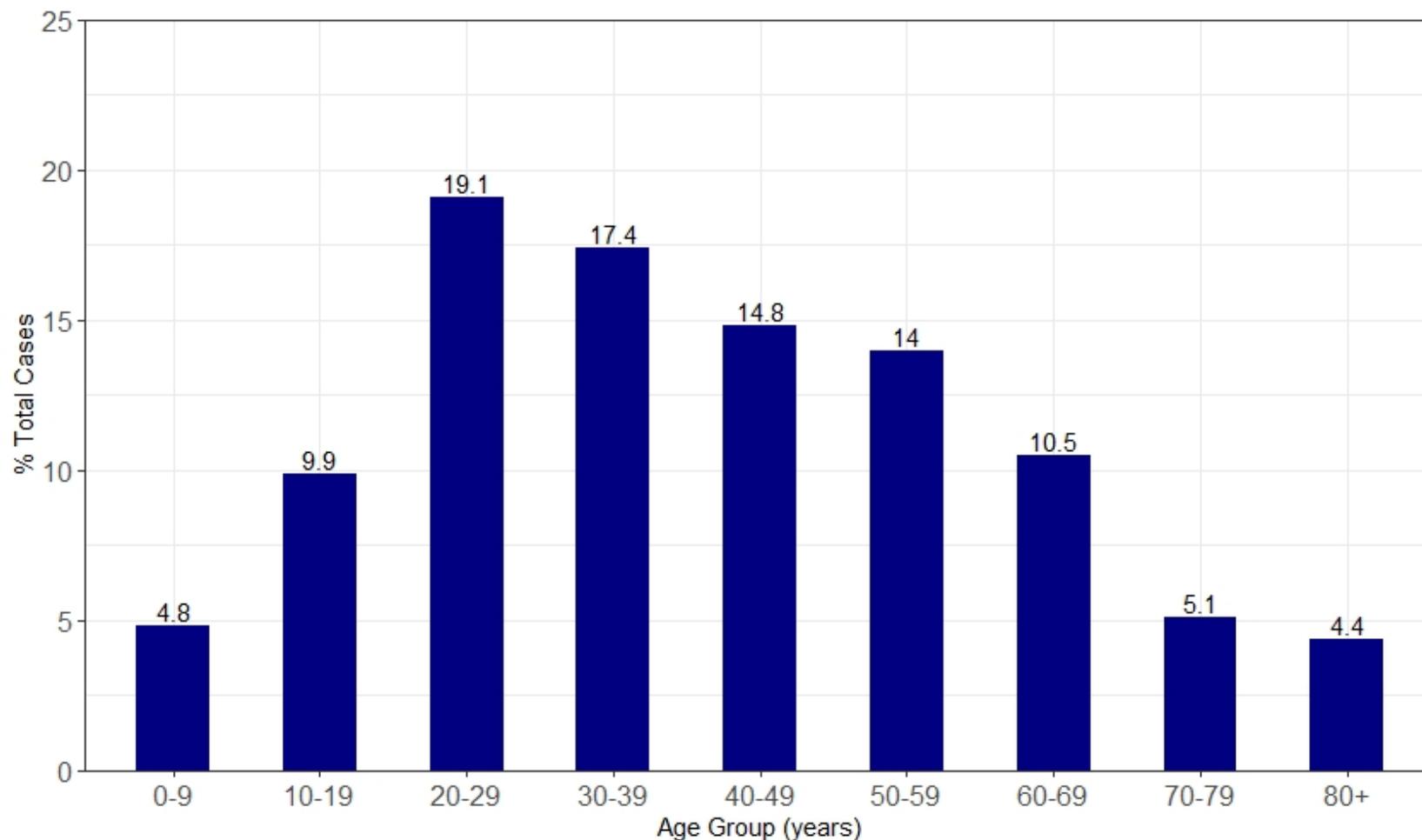


Investing for tomorrow, delivering today.

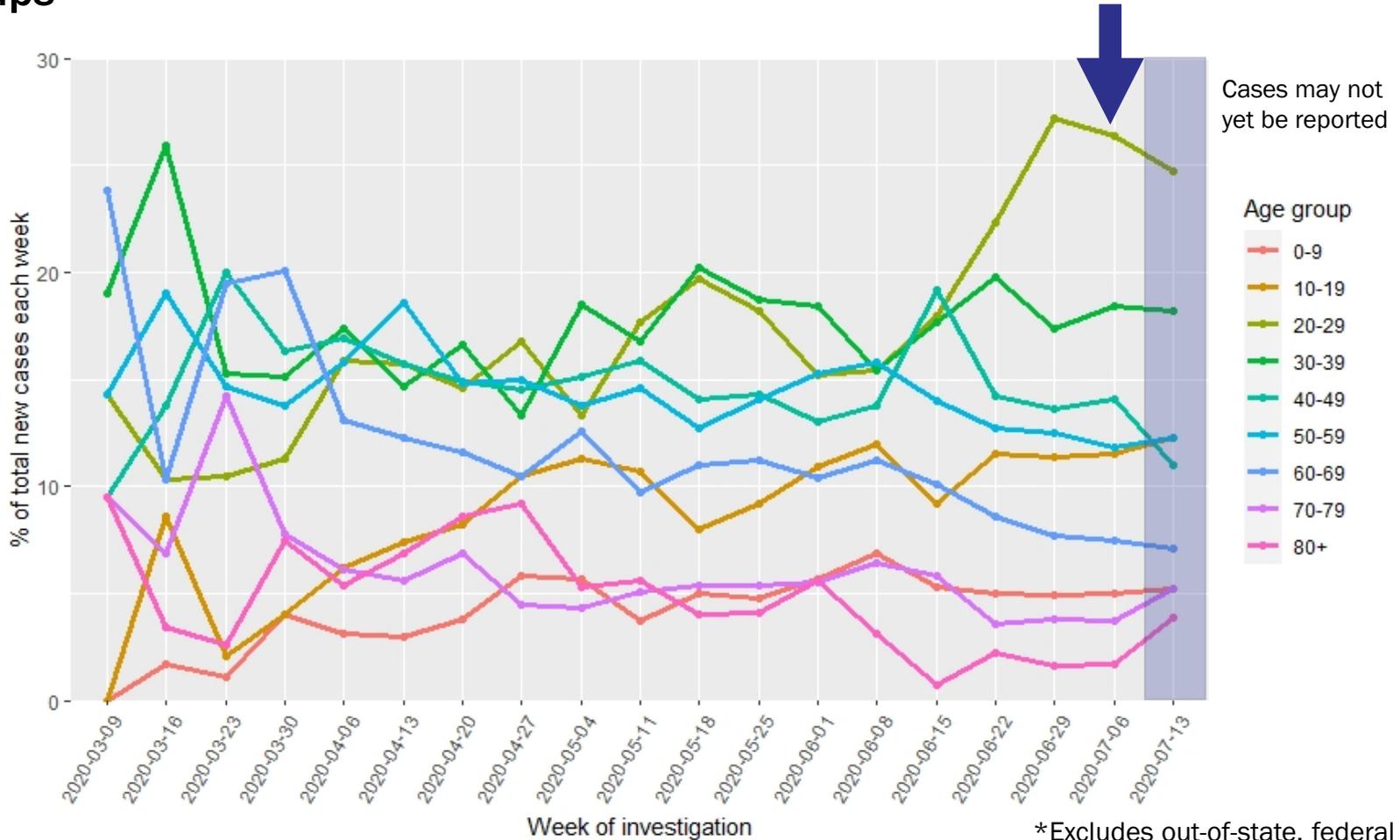
1190 S. St. Francis Drive • Santa Fe, NM 87505 • Phone: 505-827-2613 • Fax: 505-827-2530 • nmhealth.org

The highest percentage of total cases are in the 20-29 years old age group, followed by the 30-39 years old age group.

(excludes out-of-state, federal and state detention and correctional facilities)

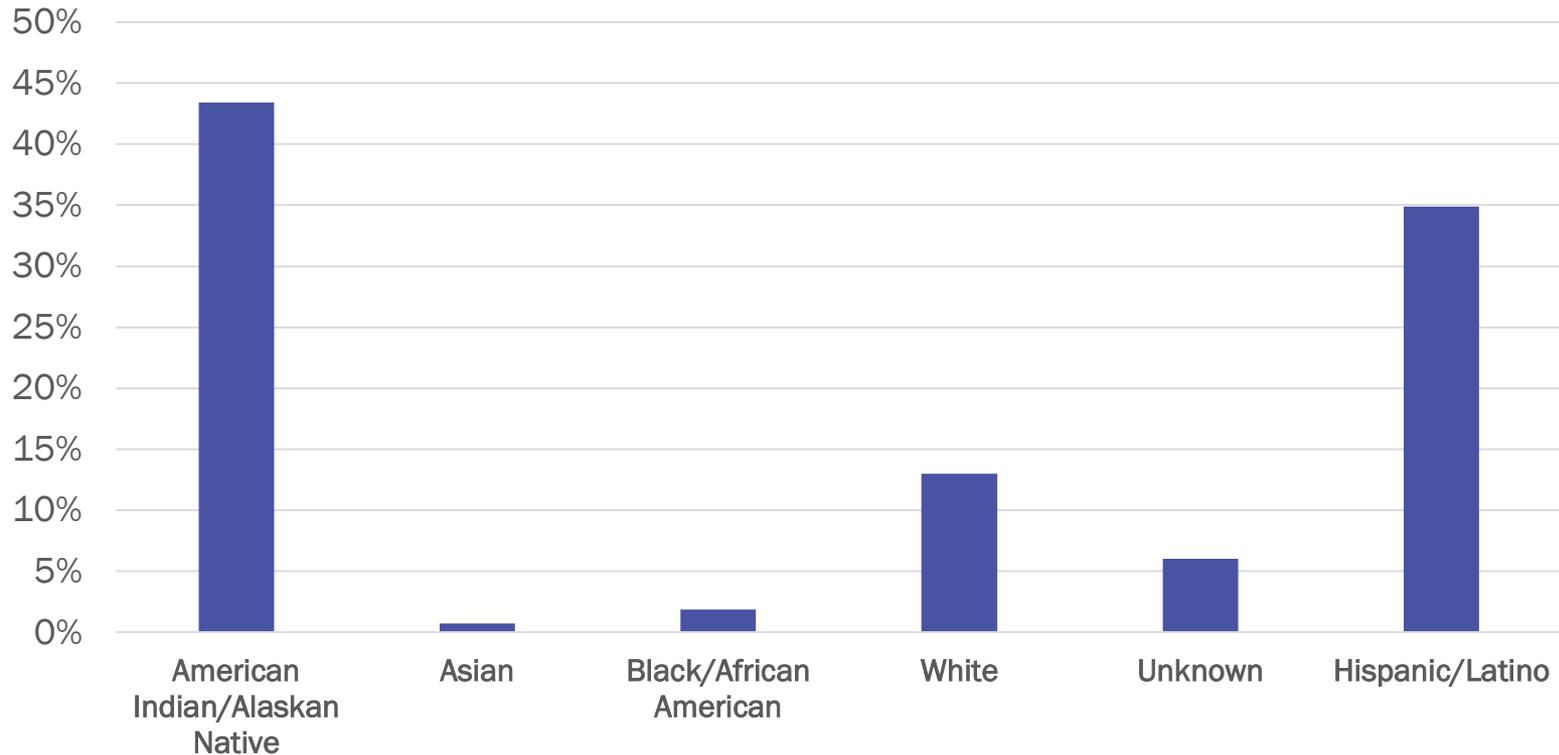


The 20-29 year old age group has made up the largest percentage of new cases each week starting in mid-June followed by 30-39 and 40-49 age groups



*Excludes out-of-state, federal and state detention and correctional facilities

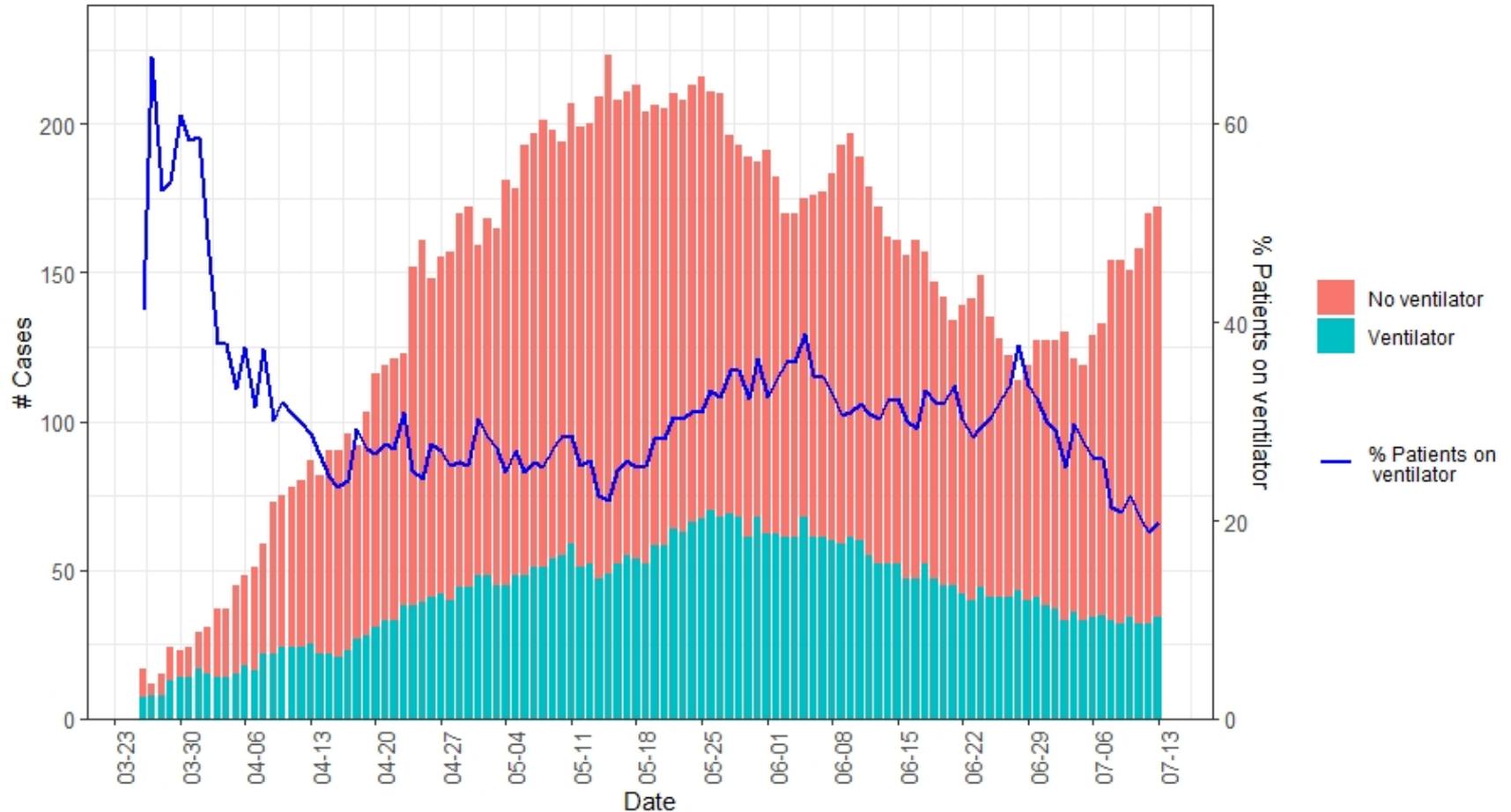
Statewide Race/Ethnicity Breakdown of Confirmed COVID-19 Cases



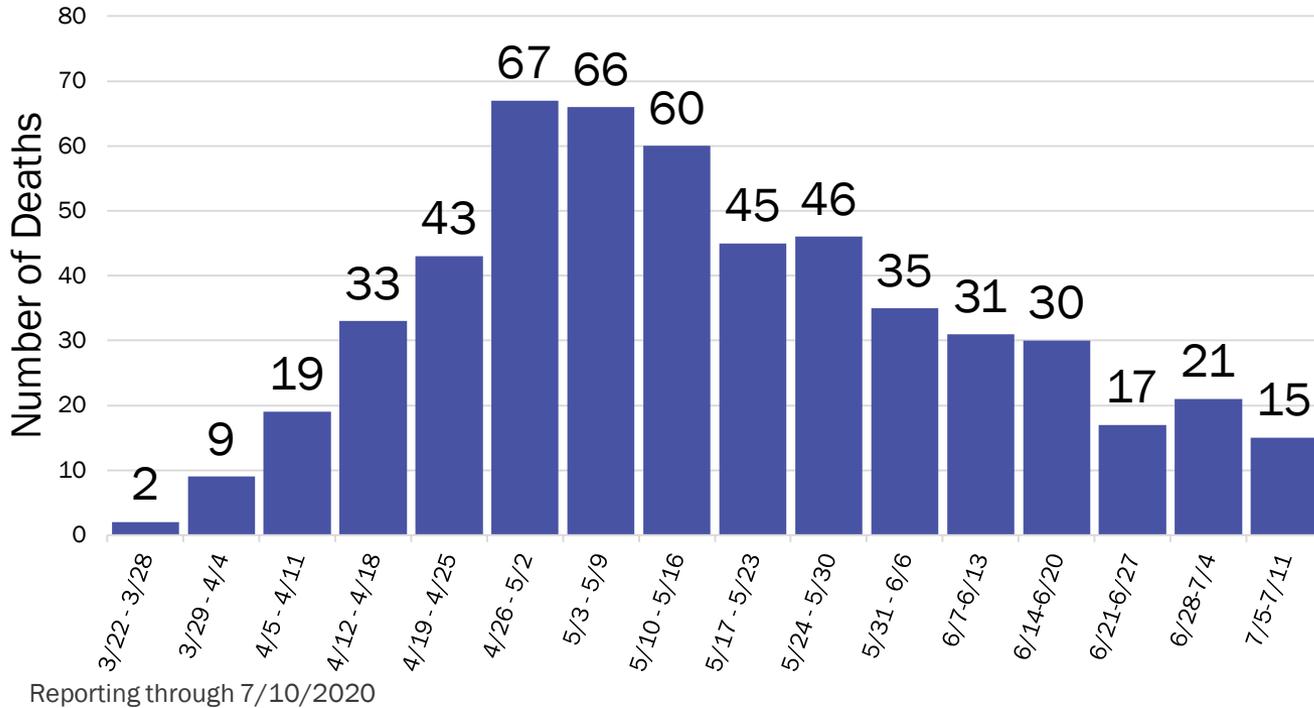
American Indian and Hispanic make up almost 80% of the total cases.

From: <https://cvprovider.nmhealth.org/public-dashboard.html>. Accessed July 15, 2020

Hospitalizations have increased 50% from June 28th to July 14th. Ventilator use has decreased to about 20%.



COVID-19 deaths have been decreasing since May

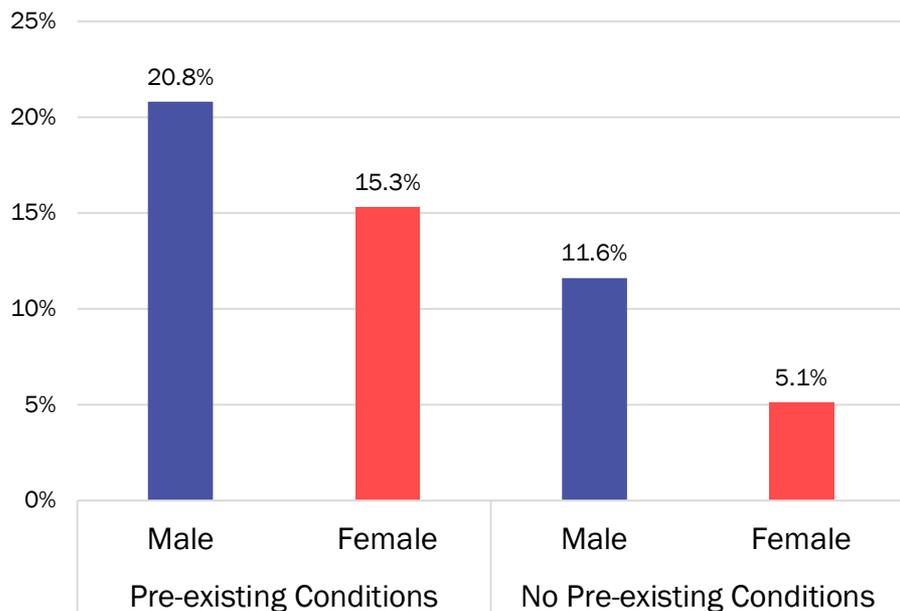


New Mexico
case fatality rate (CFR):
~3.6%

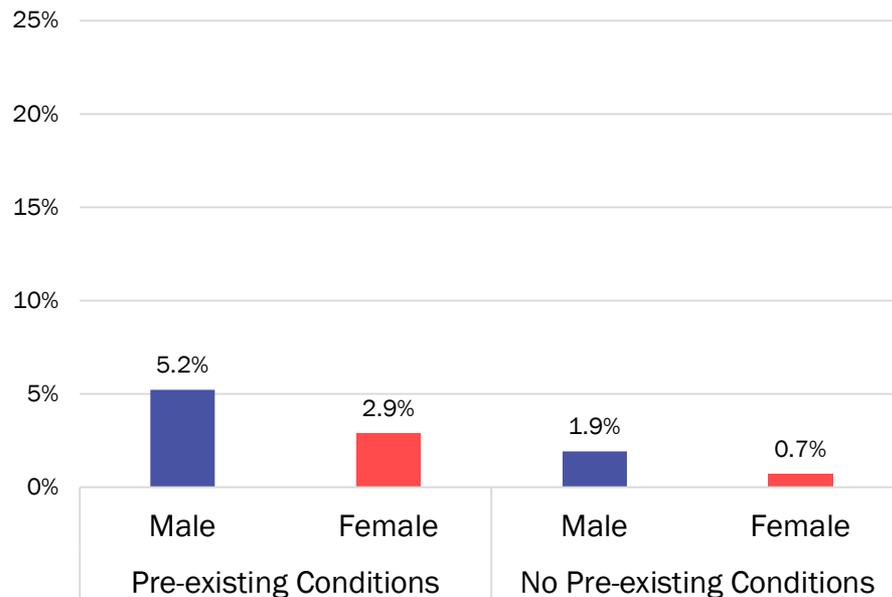
U.S. CFR: ~4.0%

Mortality: CFRs for hospitalizations and pre-existing conditions, race/ethnicity, and sex

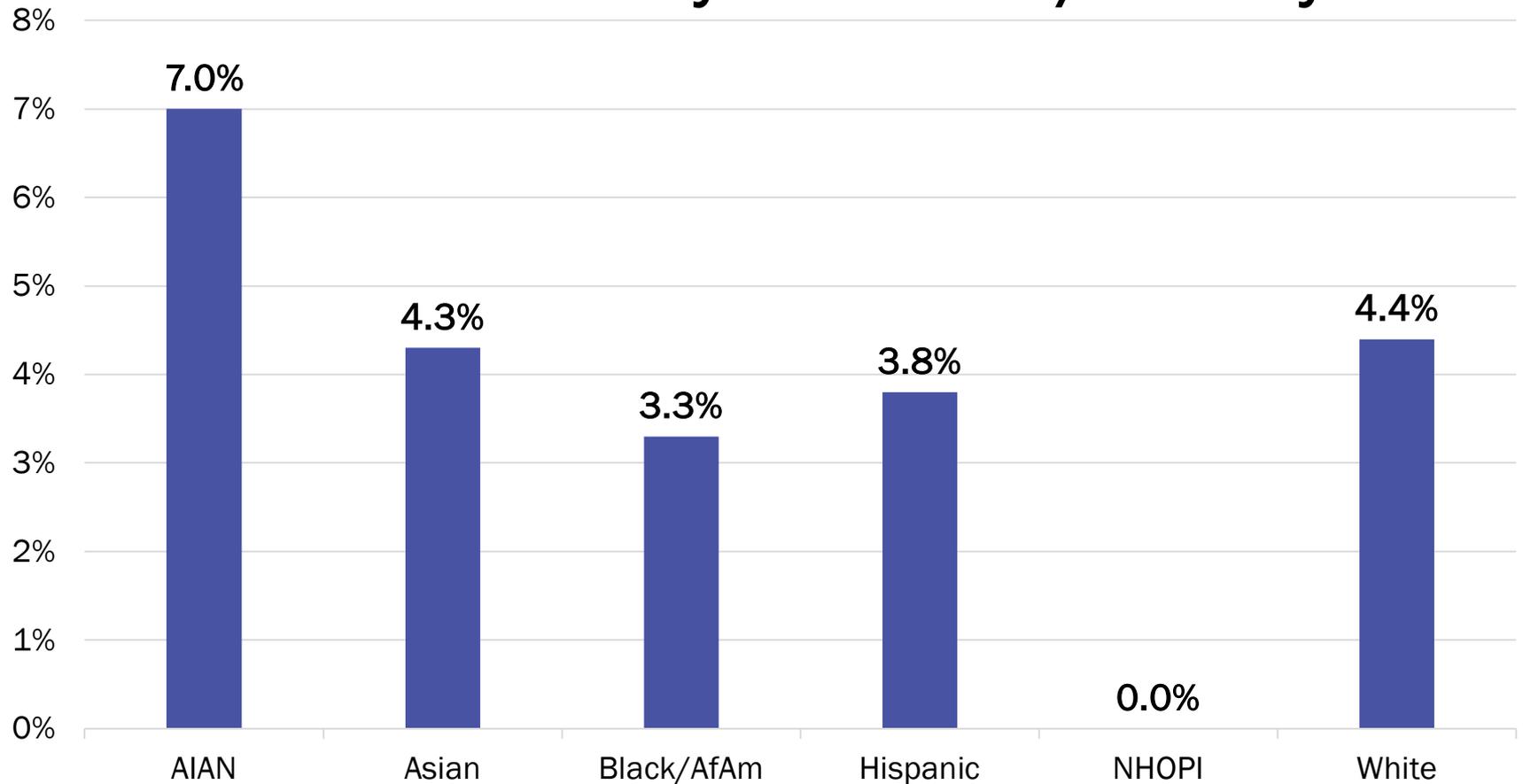
Hospitalized - CFR



Not Hospitalized - CFR



Case-Fatality Rate - Race/ethnicity



Reporting through 7/10/2020; *Adjusted to U.S. COVID-19 cases.

COVID-19 Response in New Mexico

Public health interventions

- Case investigation
- Contact Tracing
- Case Monitoring
- Testing

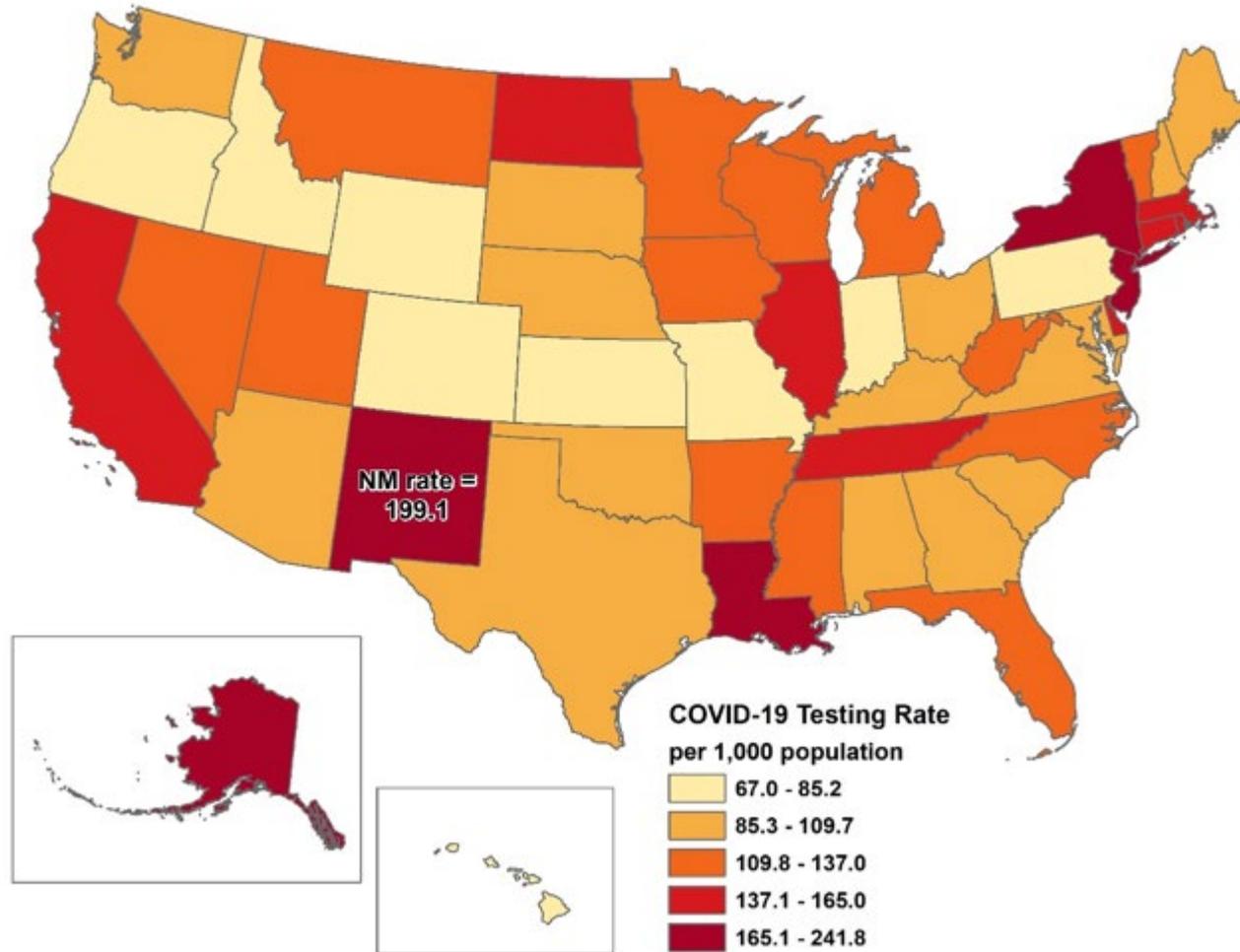
Statewide decisions

- Executive and Public Health Orders initiated shortly after the first cases were identified
- Re-opening based on current epidemiology and modeling
- Mass gatherings prohibited
- Masks or cloth-face coverings must be worn in public

COVID-19 Response Accomplishments

- NM DOH & HSD through a public private partnership established the Medical Advisory Team
 - Over 200 participants
 - Multiple workgroups to address a wide range of pandemic issues
- Reaching approximately 80% total confirmed cases
 - Excellent compared to other jurisdictions/states
- New Mexico has the 3rd highest testing rate (199.1 tests per 100,000 population) in the U.S.
 - 8th lowest test positive rate (3.6%)

Testing Rate: Total COVID-19 Tests Conducted per 1,000 by U.S. States



Source: Tests, The COVID Tracking Project, covidtracking.com. Population estimates, National Center for Health Statistics, CDC.

COVID-19 Response Challenges

- Limited staffing to conduct the wide range of activities to limit the spread of COVID-19:
 - Case investigations
 - Contact tracing
 - Case monitoring
 - Hospitalizations
 - Mortality tracking
- Older data systems require substantial upgrades
- Poorly integrated healthcare data systems in the state
- **“Pandemic fatigue”** - public is less patient/tolerant with COVID Safe Practices and cooperation with investigation and contact tracing

Summary of COVID-19 in New Mexico

- Genetic analysis and epidemiologic investigations indicated multiple introductions into the state
- Recently, there has been an increase in daily case counts statewide
- New Mexico's 7-day average growth rate is 1.7%
- The majority of cases 15-44 years of age
 - American Indian, or Hispanic or Latino

Summary of COVID-19 in New Mexico - continued

- The number of hospitalizations decreased throughout June, but recently started to increase - likely related to the recent increase in cases
 - Ventilator use has dropped from about 30% to 20%
- Deaths have been decreasing since May
- There are several opportunities to improve our efforts to control COVID-19 spread in New Mexico