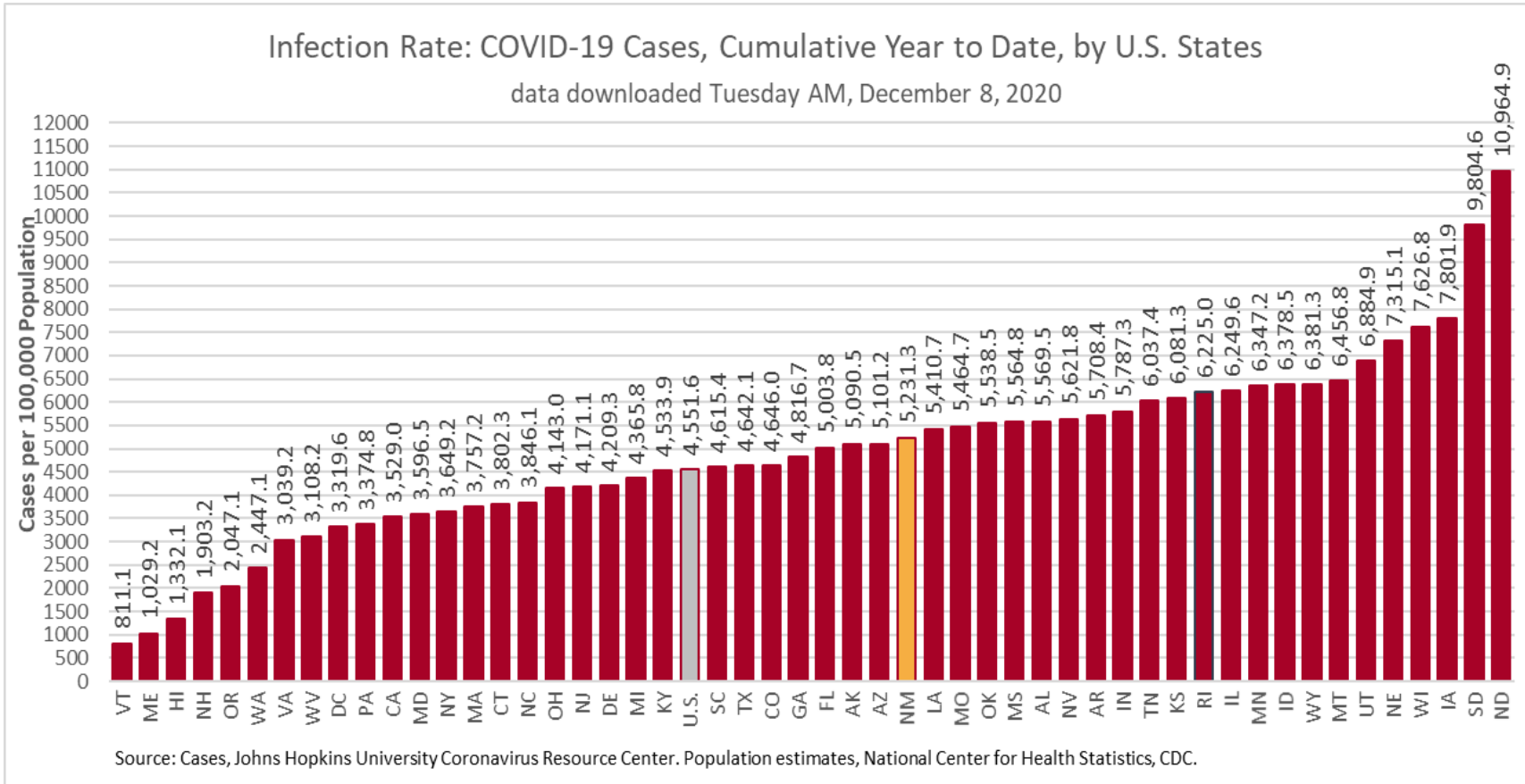


COVID-19 in New Mexico: Epidemiologic and Modeling Update

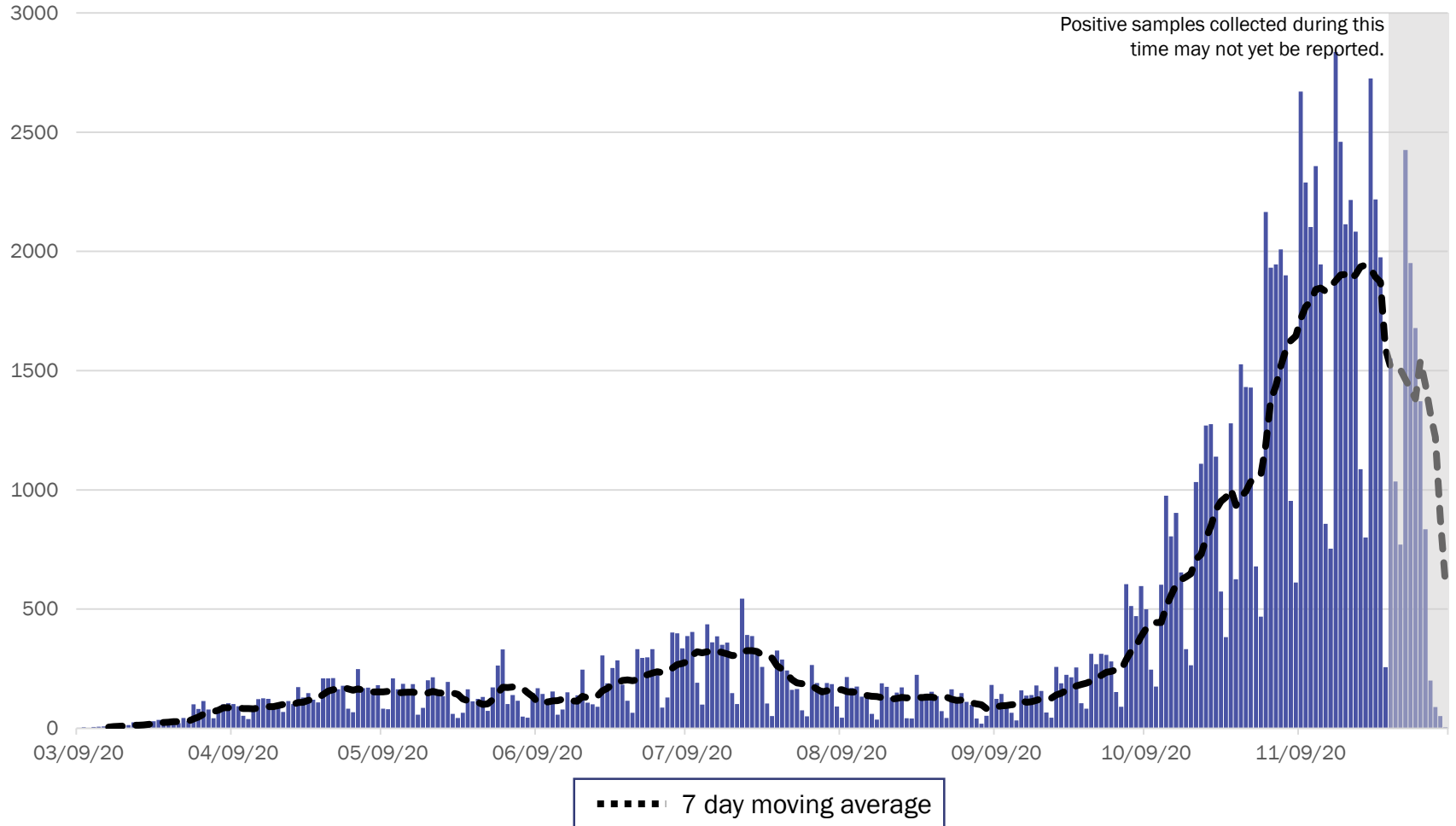
December 8, 2020

New Mexico has the 23rd highest number of cases per 100,000 population in the United States



Note: Data updated 12/08/2020 and downloaded from <https://coronavirus.jhu.edu/>. For interstate comparisons, estimated rates include cases in state and federal detention centers. Rates are not age-adjusted due to a lack of age-specific case counts across states.

New Mexico COVID-19 Cases by Date of Specimen Collection – December 8, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.

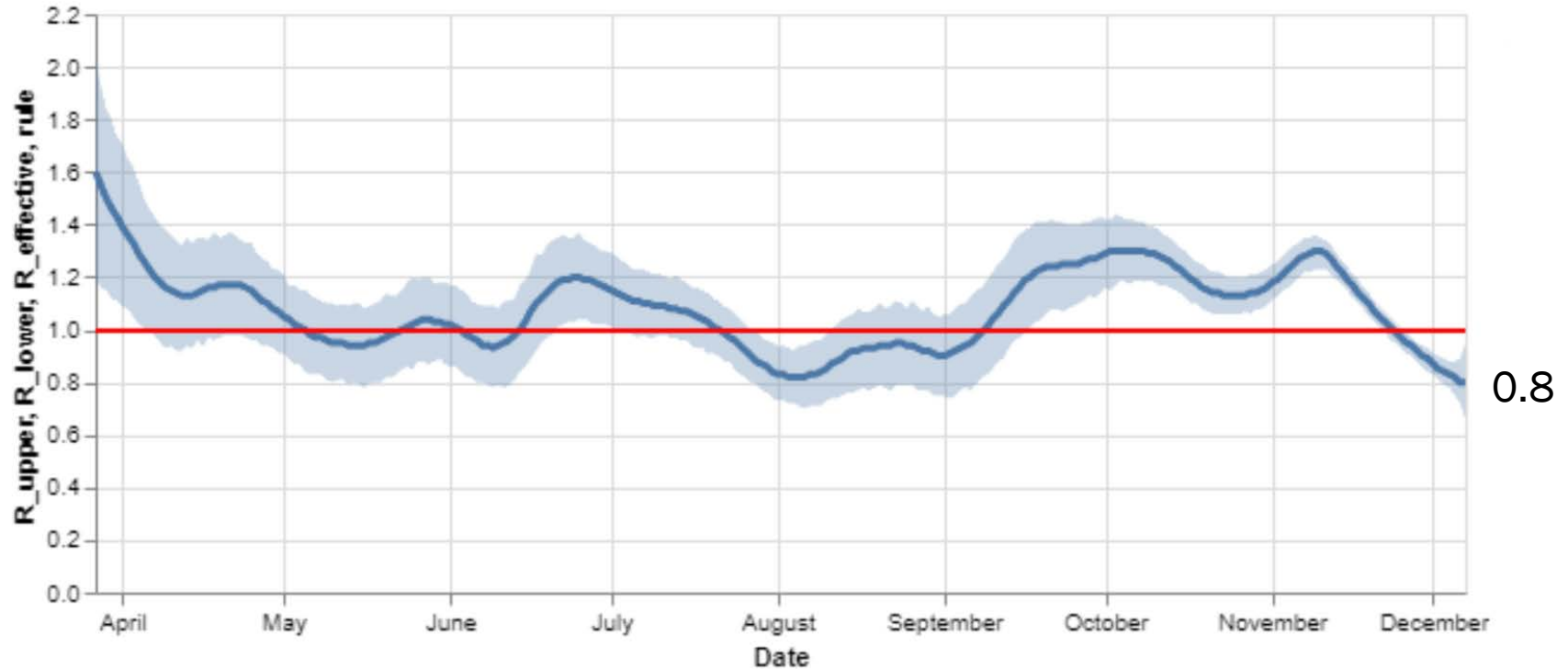


Investing for tomorrow, delivering today.

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

Statewide R-effective has decreased to 0.8.

R_effective over time, STATE



Courtesy of Presbyterian Healthcare Services – December 8, 2020.

Key

Low Level Endemic
<1.0

Approaching Low
Level Endemic
1.0

Requiring further
mitigation **>1.0**

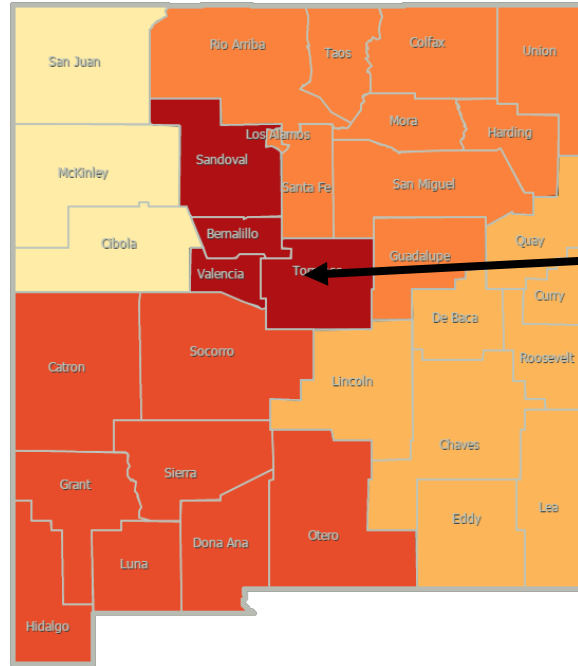
Northwest
R_effective 0.8 ↓

Northeast
R_effective 0.8 ↓

Metro
R_effective 0.8 ↓

Southwest
R_effective 0.8 ↑

Southeast
R_effective 0.8 ↓



As of December 1, 2020

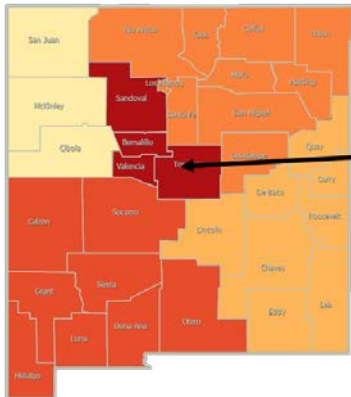
Northwest
R_effective 1.3 ↓

Northeast
R_effective 0.9 ↓

Metro
R_effective 1.0 ↓

Southwest
R_effective 0.7 ↓

Southeast
R_effective 0.9 ↓

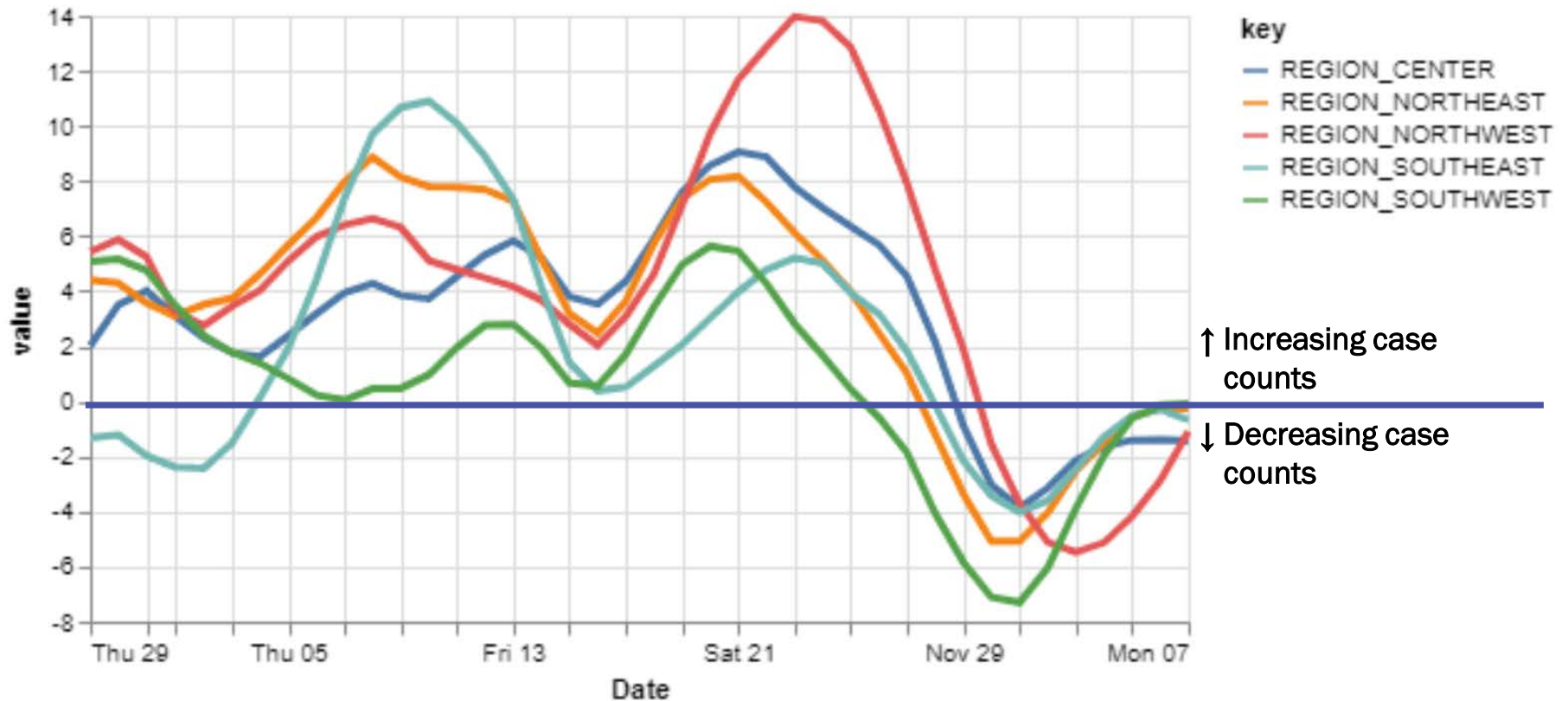


Region	R-effective	95% Confidence Interval
State	0.8	[0.7, 0.9]
Metro	0.8	[0.6, 1.0]
Northeast	0.8	[0.4, 1.3]
Northwest	0.8	[0.4, 1.2]
Southeast	0.8	[0.5, 1.2]
Southwest	0.8	[0.4, 1.2]

Courtesy of Presbyterian Healthcare Services – December 8, 2020.

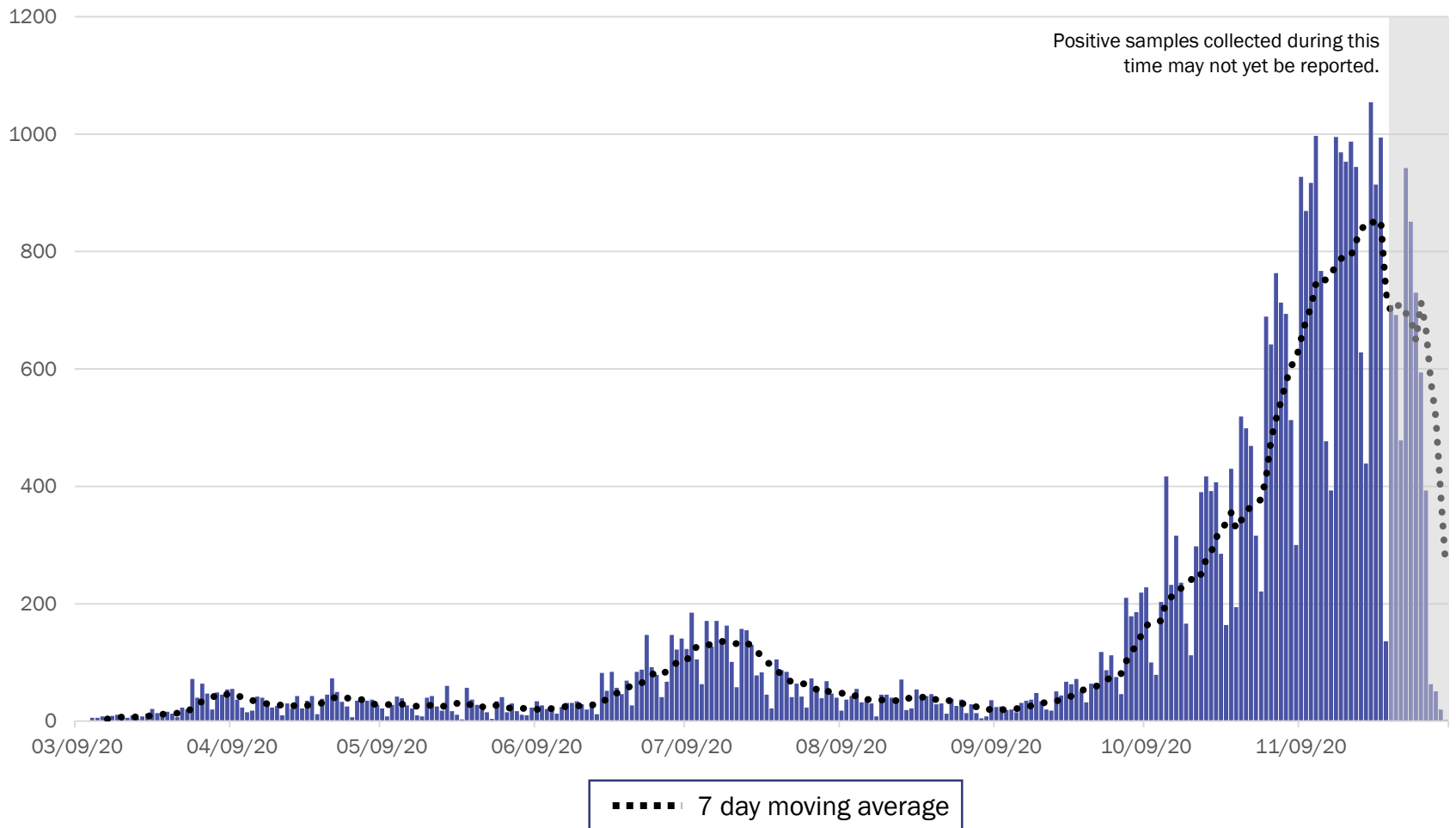
The relative growth rates for all regions are below or near 0.

14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – December 8, 2020.

Metro Region Case Count by Collection Date with 7 Day Moving Average December 8, 2020



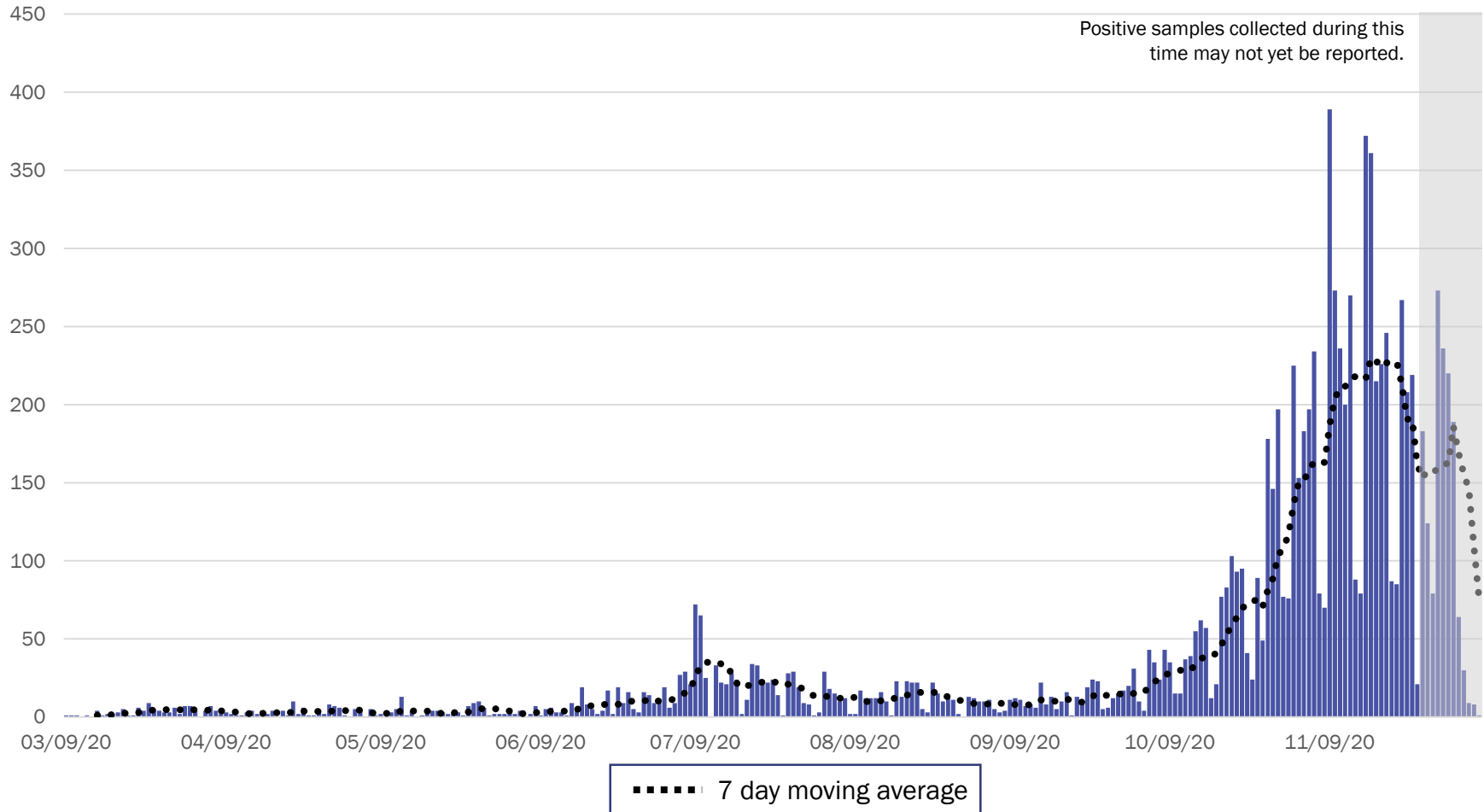
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.



Investing for tomorrow, delivering today.

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

Northeast Region Case Count by Collection Date with 7 Day Moving Average December 8, 2020



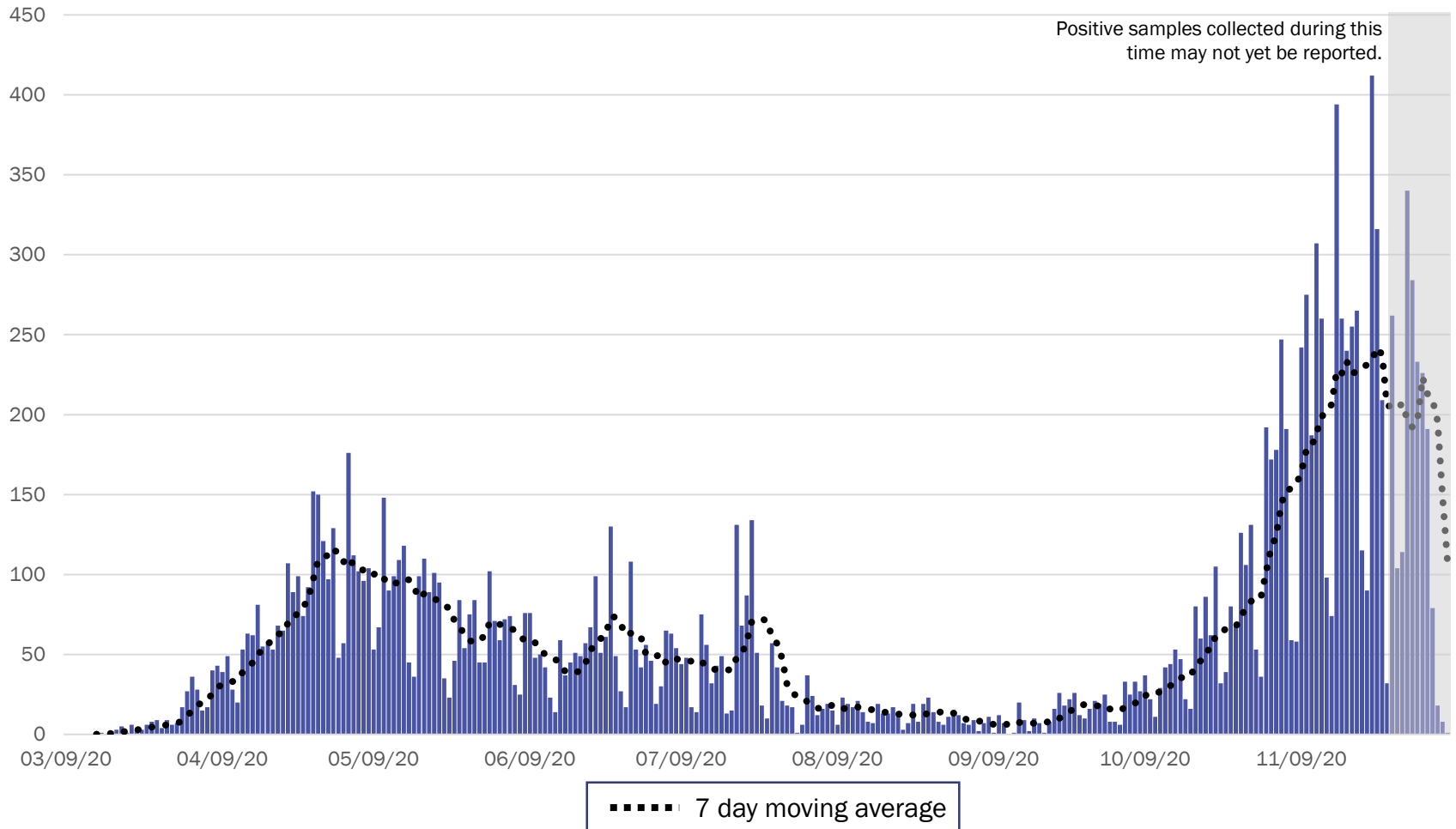
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.



Investing for tomorrow, delivering today.

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

Northwest Region Case Count by Collection Date with 7 Day Moving Average December 8, 2020



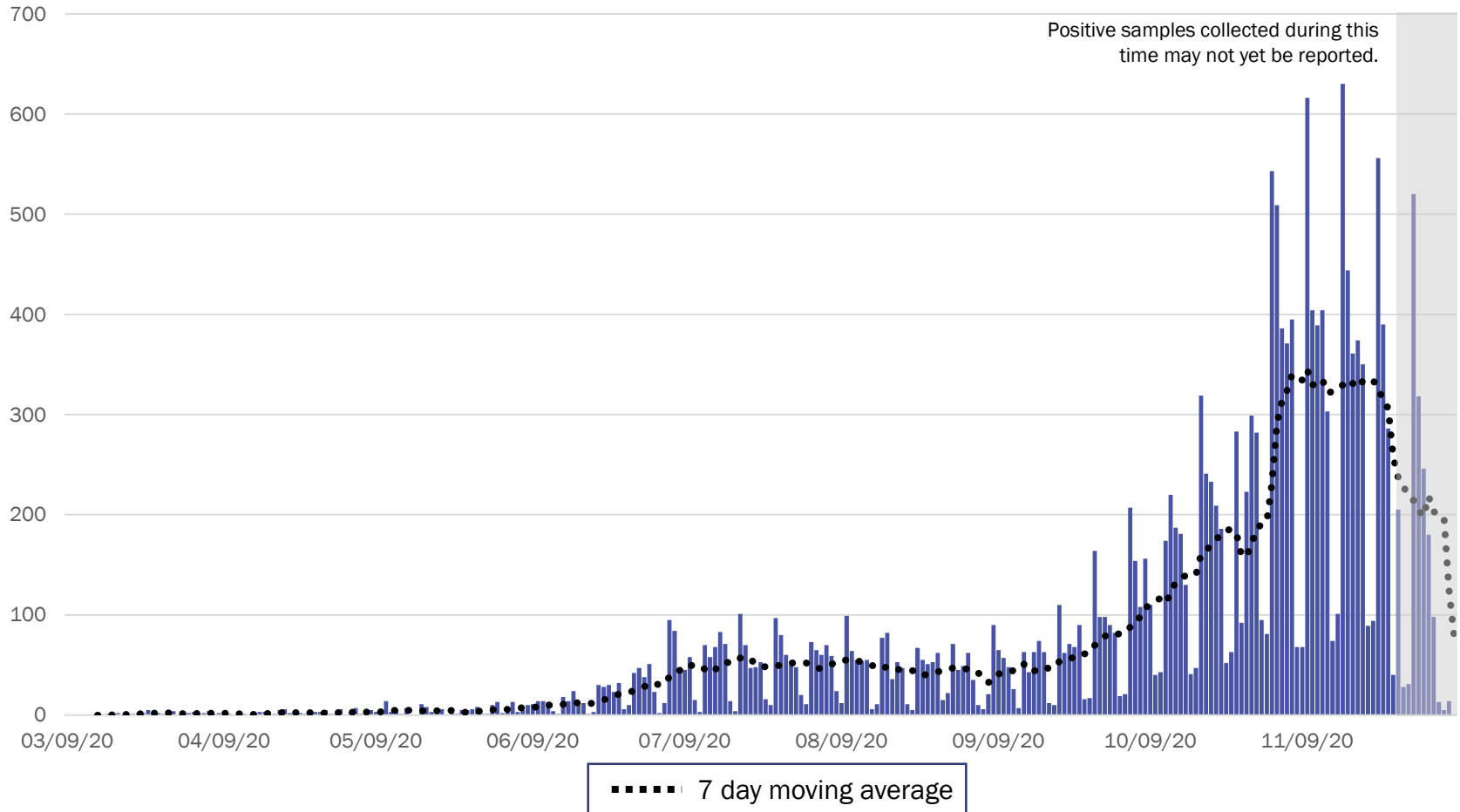
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.



Investing for tomorrow, delivering today.

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

Southeast Region Case Count by Collection Date with 7 Day Moving Average December 8, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.

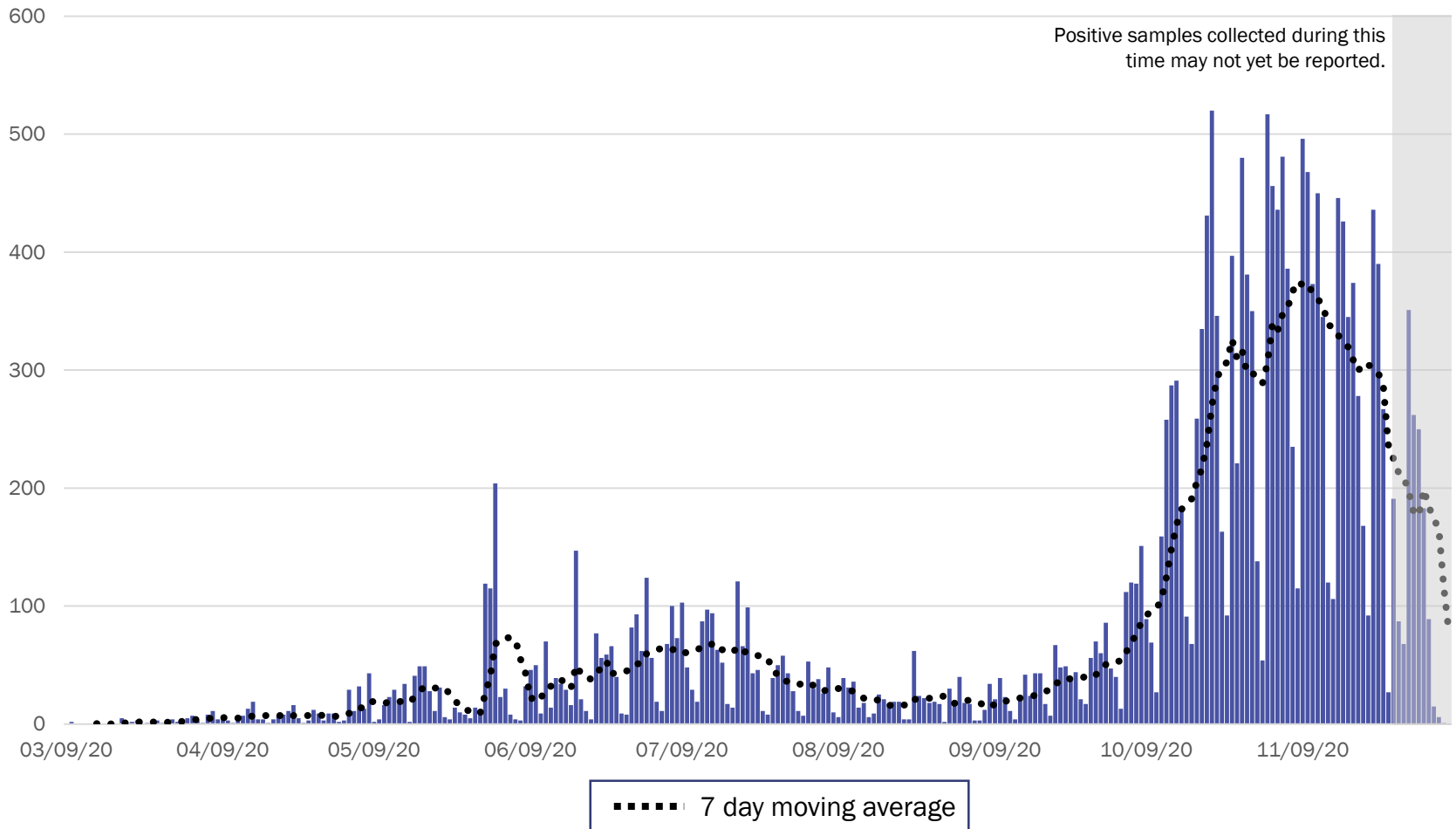


Investing for tomorrow, delivering today.



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

Southwest Region Case Count by Collection Date with 7 Day Moving Average December 8, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.8.2020, New Mexico Department of Health.

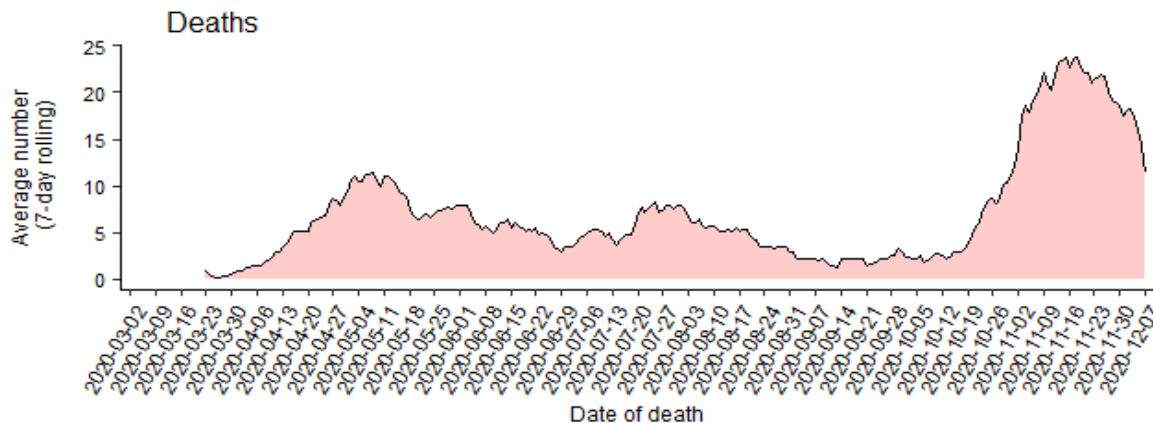
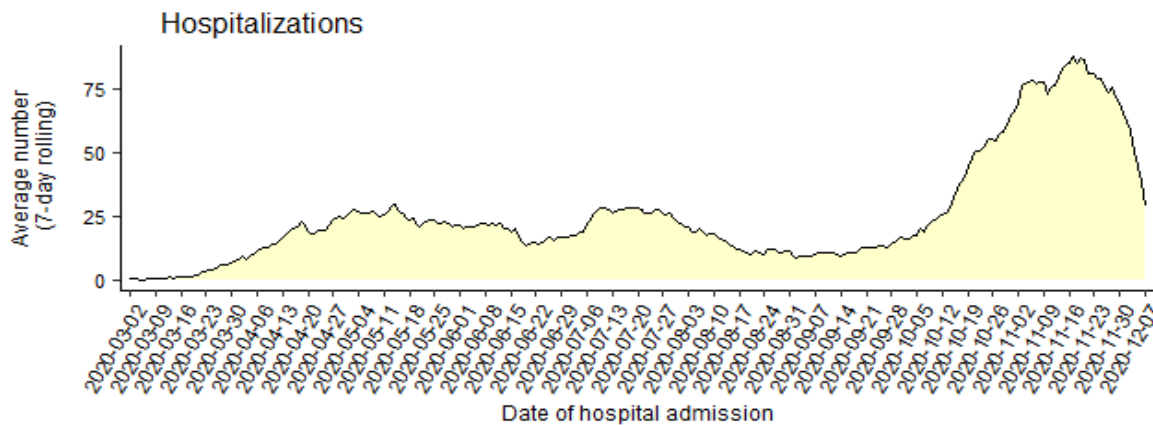
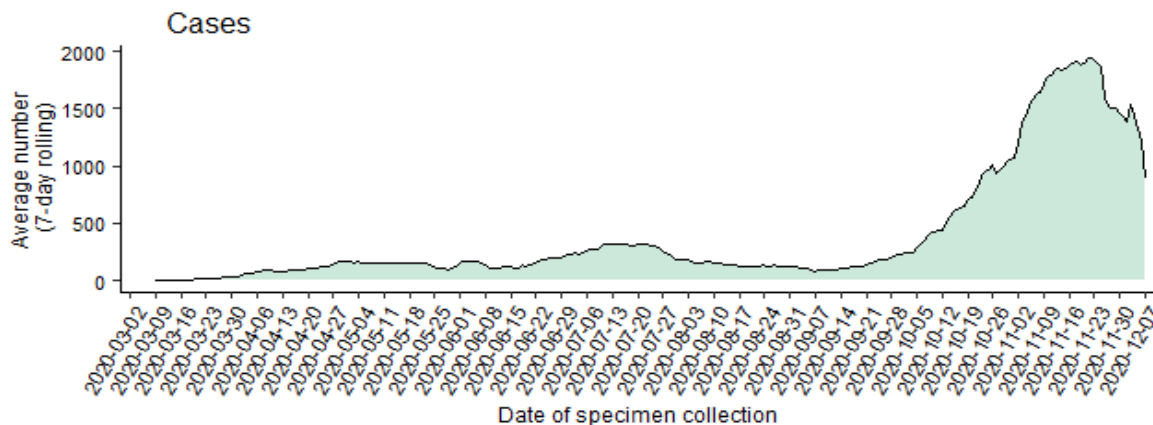


Investing for tomorrow, delivering today.



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

Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



Note: Cases, hospitalizations, and deaths may not yet be reported in the last 7-14 days.

As of 12/7/20



New Mexico Status Updates

- Case count: Statewide, the increase in daily case counts may be slowing, but this should be interpreted cautiously in the face of high percent positivity and the recent Thanksgiving holiday.
- Hospitalizations: Hospitalizations are continuing to rise.
- Deaths: Weekly COVID-19 deaths remain high.

For more information, please visit the [Epidemiology Reports](#) page on the NMDOH COVID-19 website: <https://cv.nmhealth.org/epidemiology-reports/>

Supplementary Slides

Modeling Assumptions

Variable	Measured Value	Value as of 12.8.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=0.8
Positive Test Multiplier	Calculated by LANL	2.7
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.52% ICU 0.21% Vent Rate 59% of ICU Crude Case Fatality Rate 2.7%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days