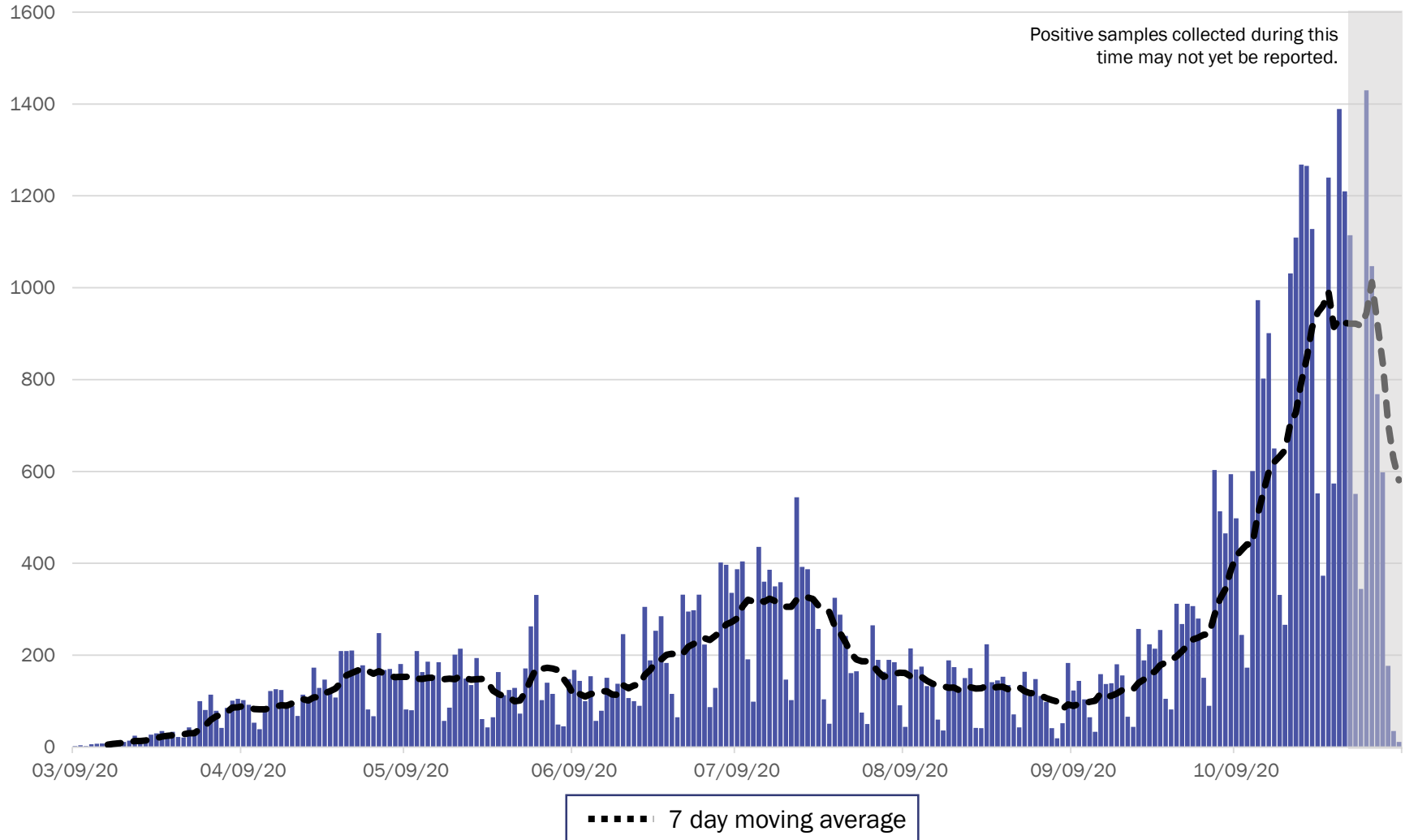


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

November 10, 2020

# New Mexico COVID-19 Cases by Date of Specimen Collection – November 9, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.

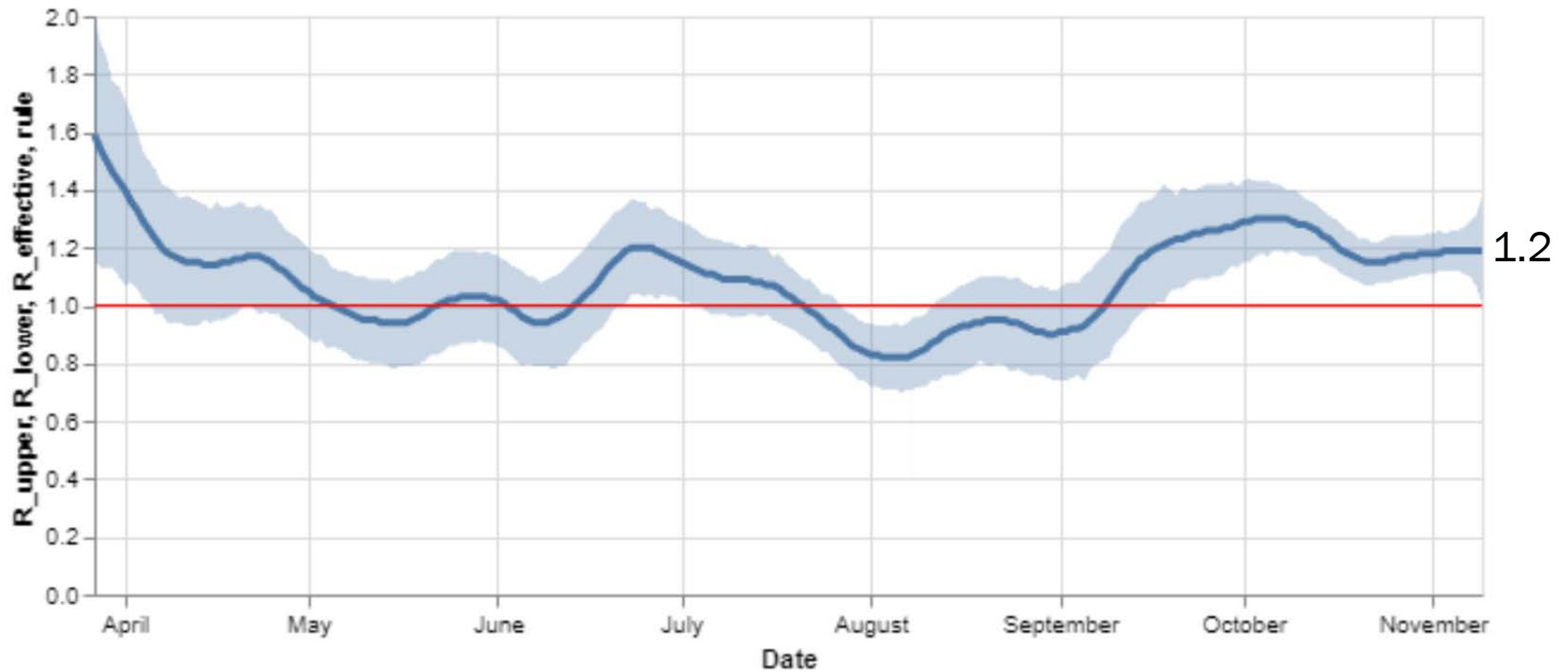


*Investing for tomorrow, delivering today.*

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

# Statewide R-effective has increased to 1.2.\*

## R\_effective over time, STATE



\*Delays in reporting may cause underestimation.

Courtesy of Presbyterian Healthcare Services – November 9, 2020.

\*Delays in reporting may cause underestimation.

**Key**

- Low Level Endemic <1.0
- Approaching Low Level Endemic 1.0
- Requiring further mitigation >1.0

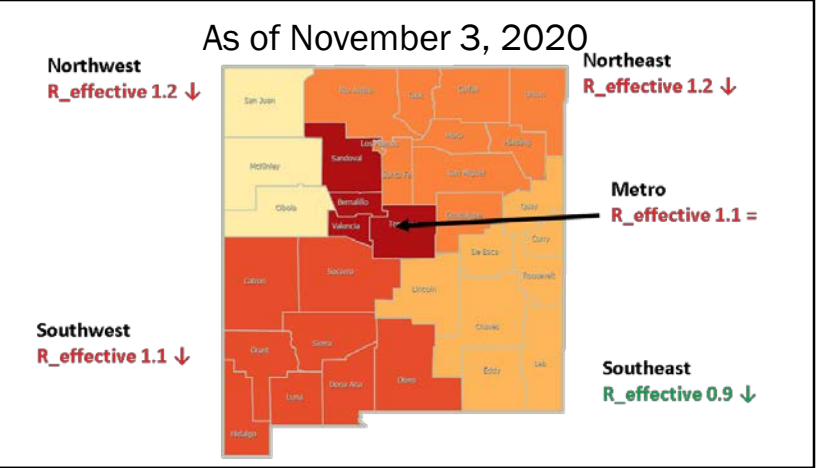
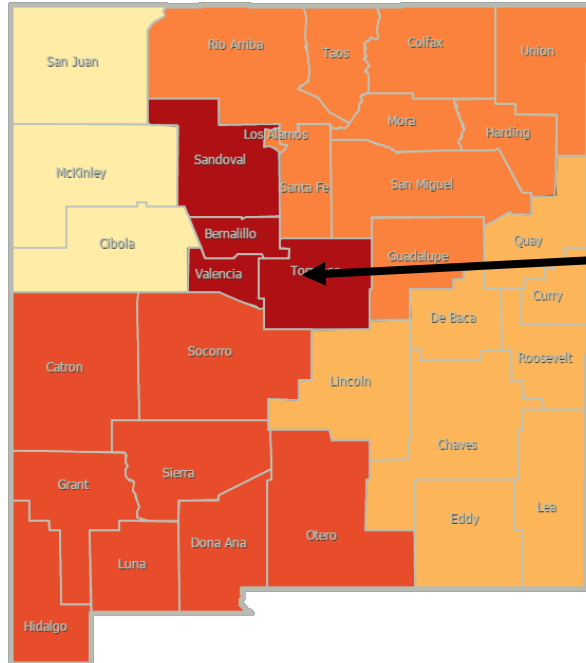
**Northwest**  
R\_effective 1.2 =

**Northeast**  
R\_effective 1.3 ↑

**Southwest**  
R\_effective 1.0 ↓

**Metro**  
R\_effective 1.2 ↑

**Southeast**  
R\_effective 1.3 ↑



Region	R-effective	95% Confidence Interval
State	1.2	[1.0, 1.4]
Metro	1.2	[0.9, 1.6]
Northeast	1.3	[0.7, 2.0]
Northwest	1.2	[0.5, 1.9]
Southeast	1.3	[0.9, 1.8]
Southwest	1.0	[0.7, 1.4]

Courtesy of Presbyterian Healthcare Services – November 9, 2020.

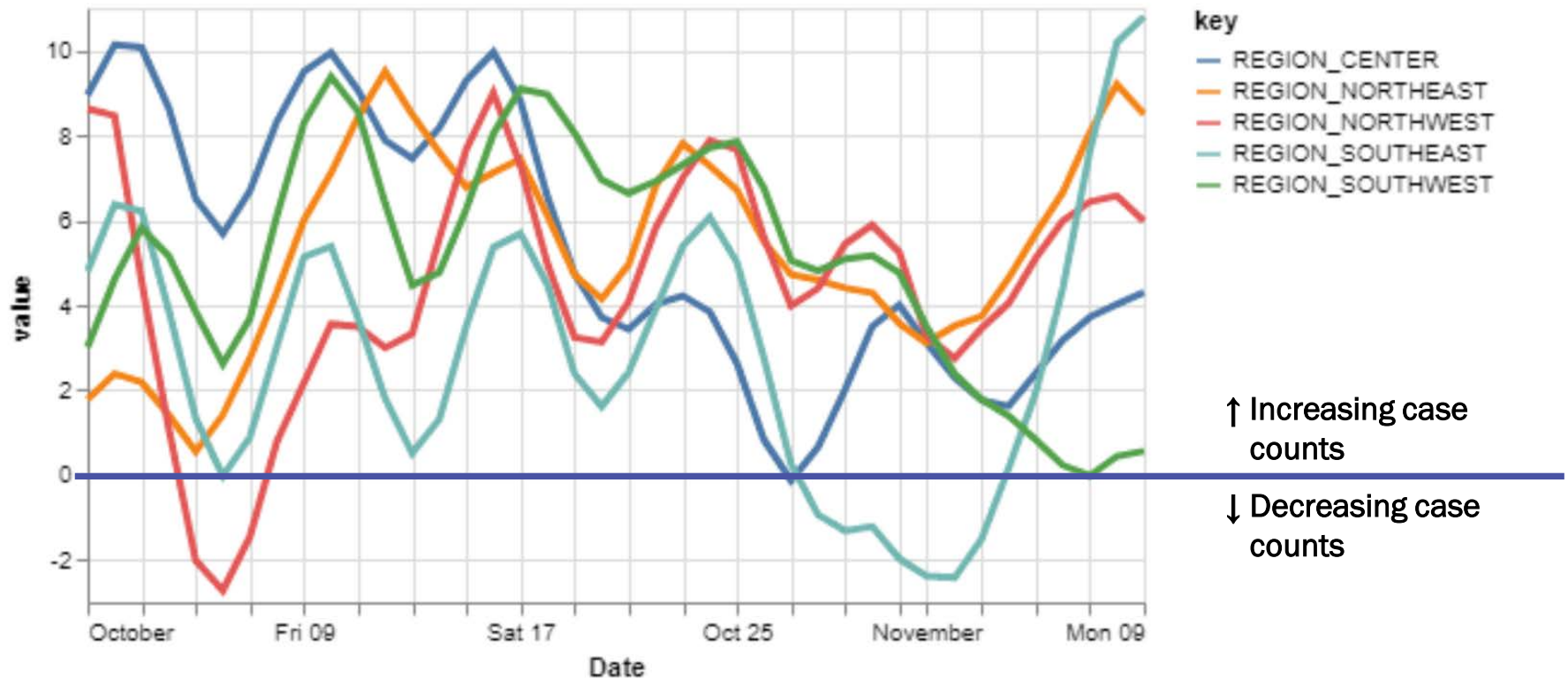


*Investing for tomorrow, delivering today.*



# All regional relative growth rates are above 0.\*

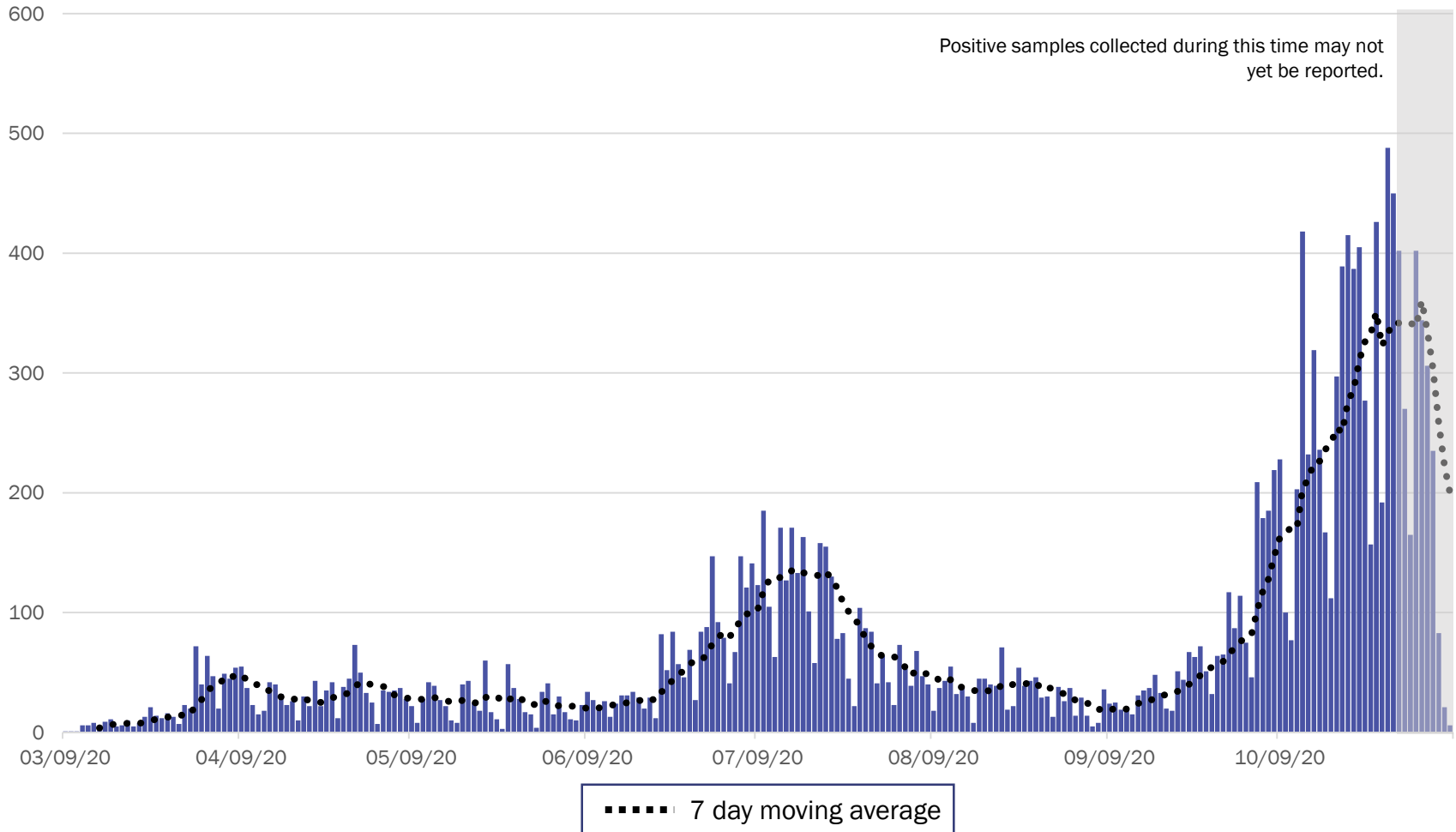
## 14-day relative growth rate (%), Regions



\*Delays in reporting may cause underestimation.

Courtesy of Presbyterian Healthcare Services – November 9, 2020.

# Metro Region Case Count by Collection Date with 7 Day Moving Average November 9, 2020



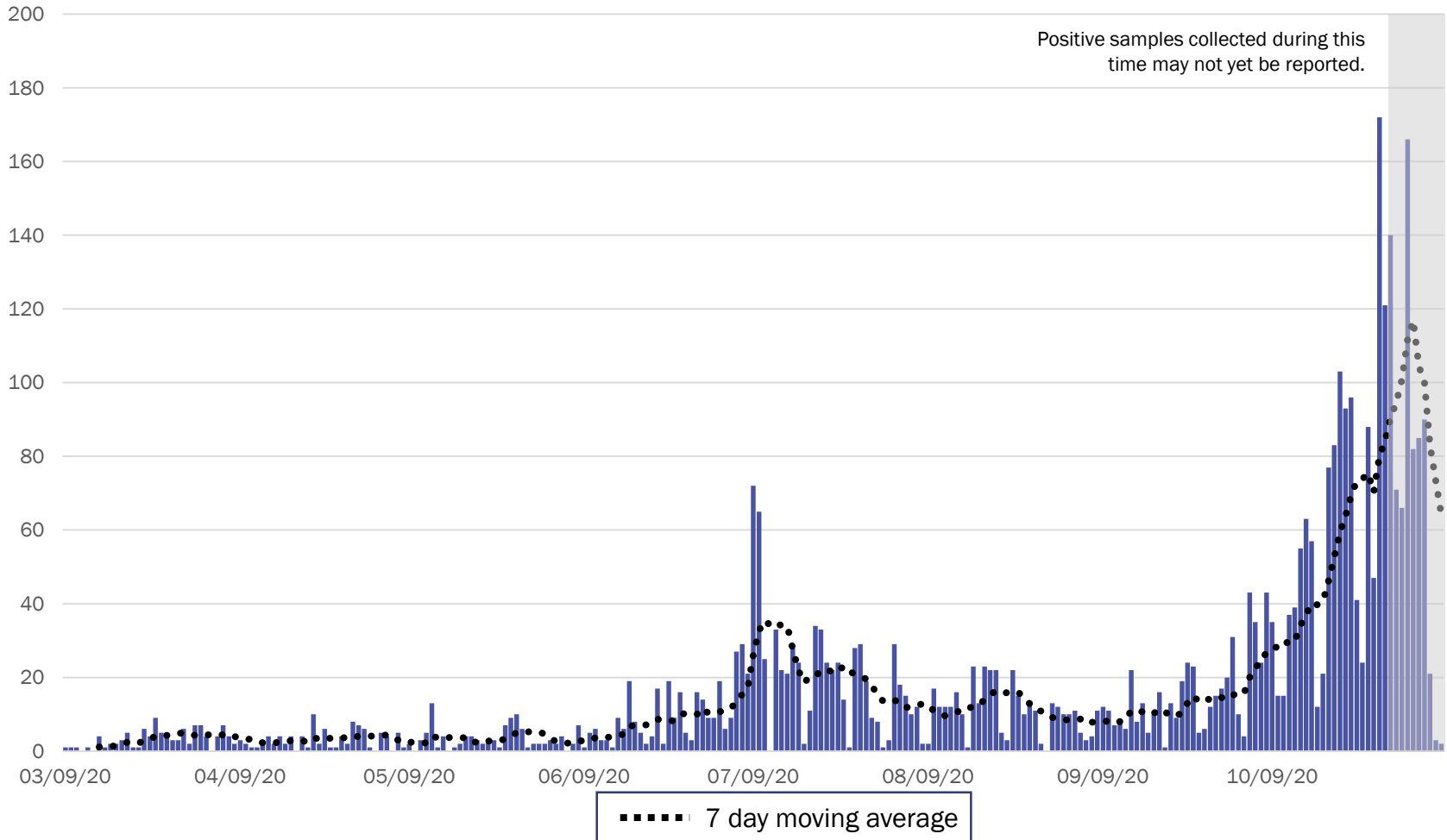
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.



*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 November 9, 2020



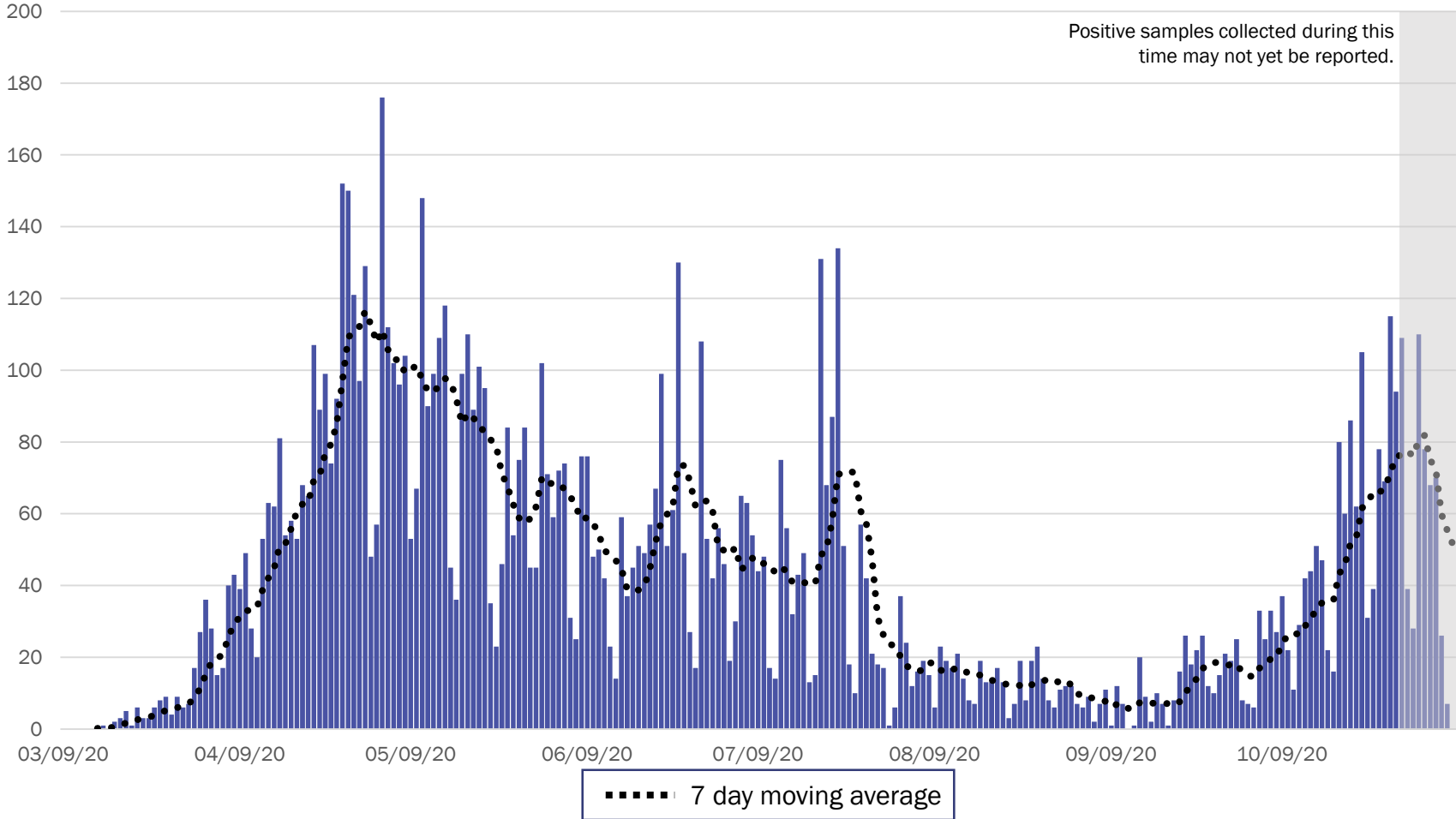
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.



*Investing for tomorrow, delivering today.*



# Northwest Region Case Count by Collection Date with 7 Day Moving Average November 9, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.

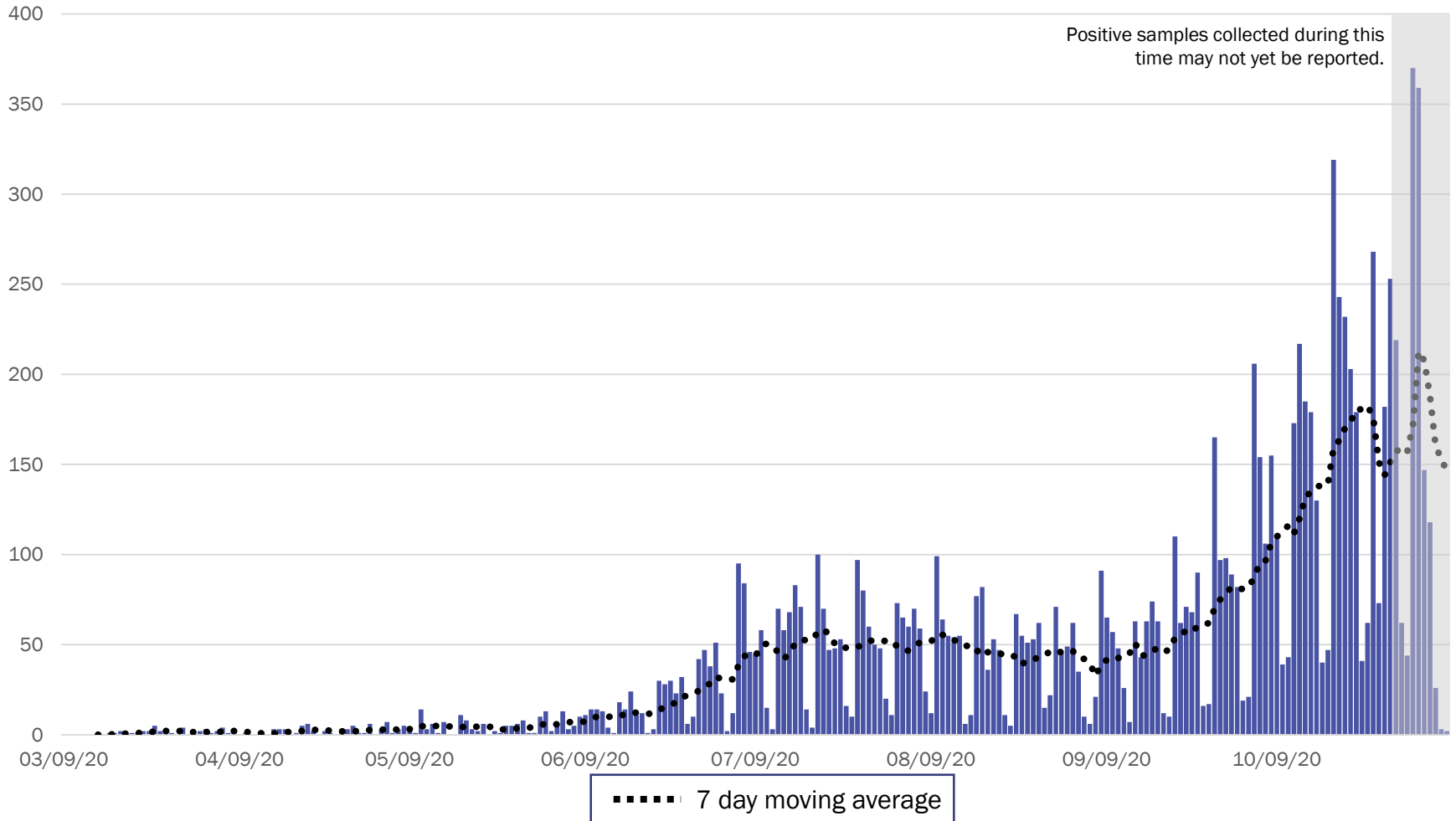


*Investing for tomorrow, delivering today.*





# Southeast Region Case Count by Collection Date with 7 Day Moving Average November 9, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.

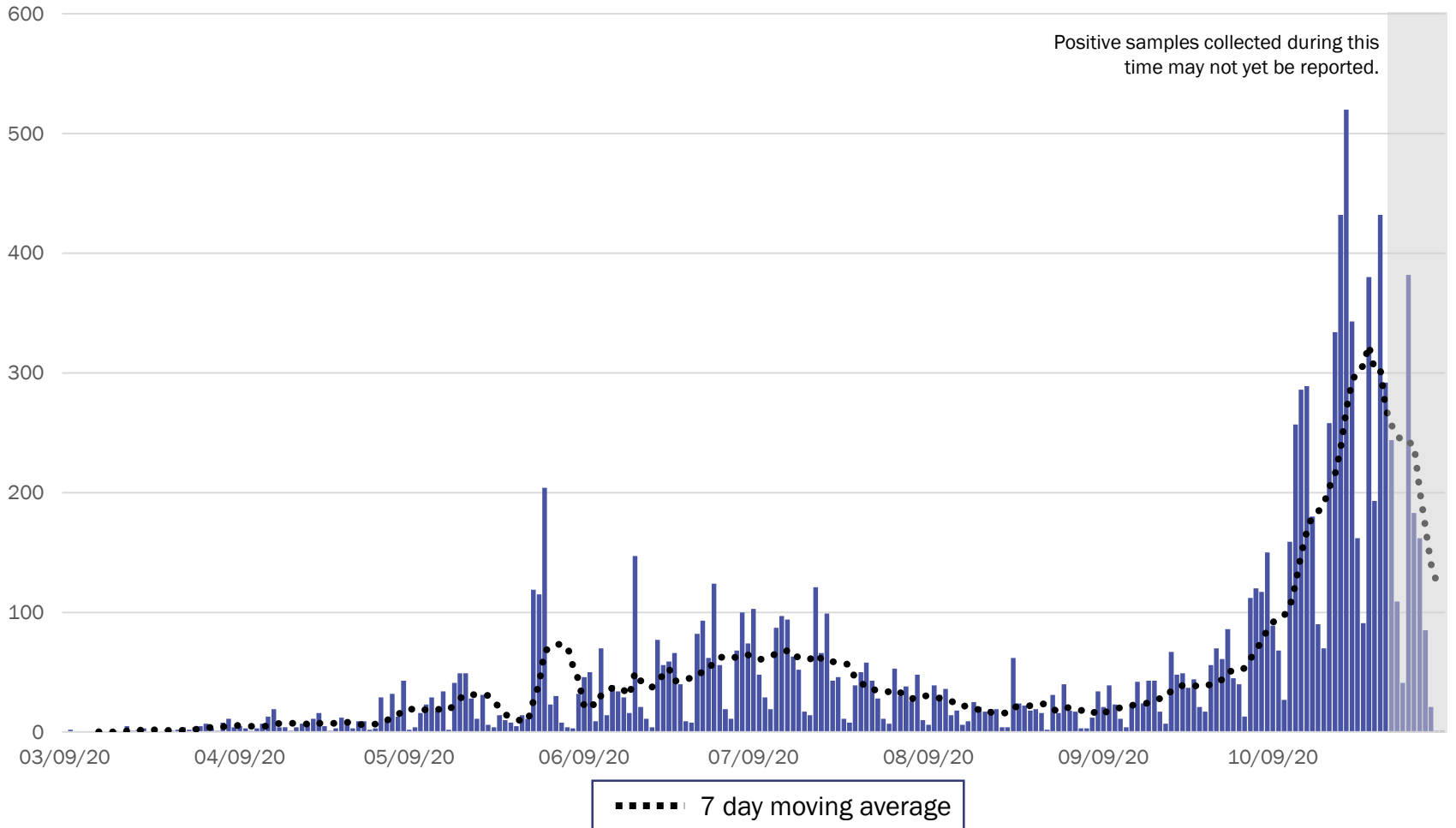


*Investing for tomorrow, delivering today.*



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 November 9, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.9.2020, New Mexico Department of Health.

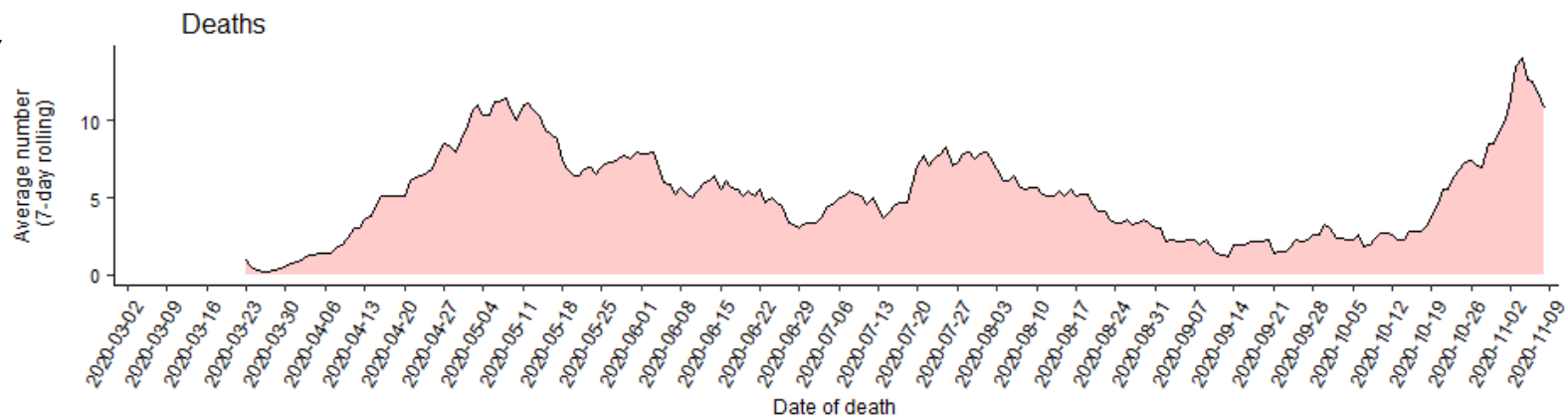
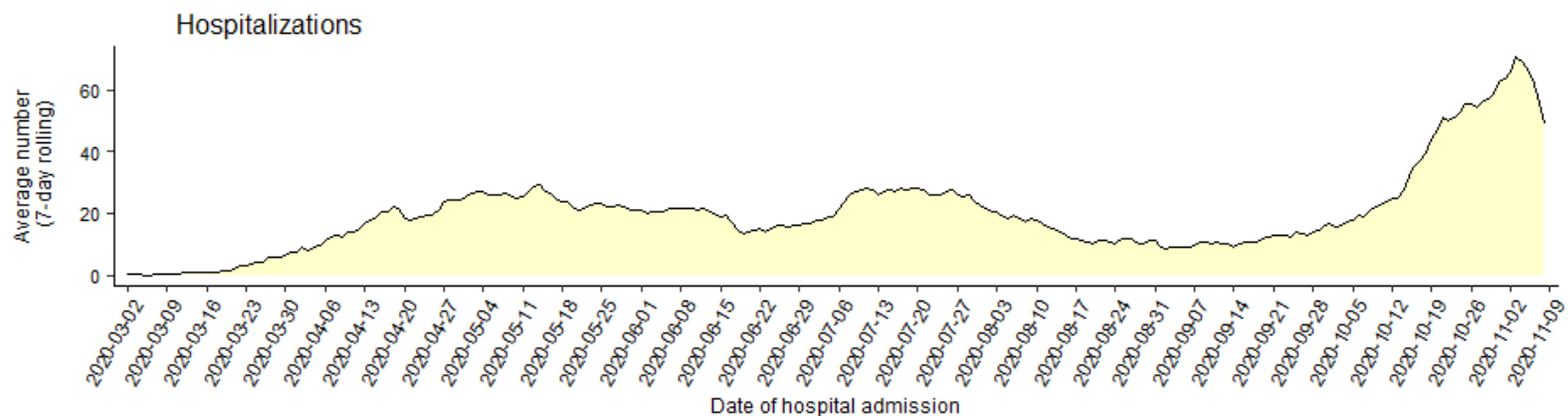
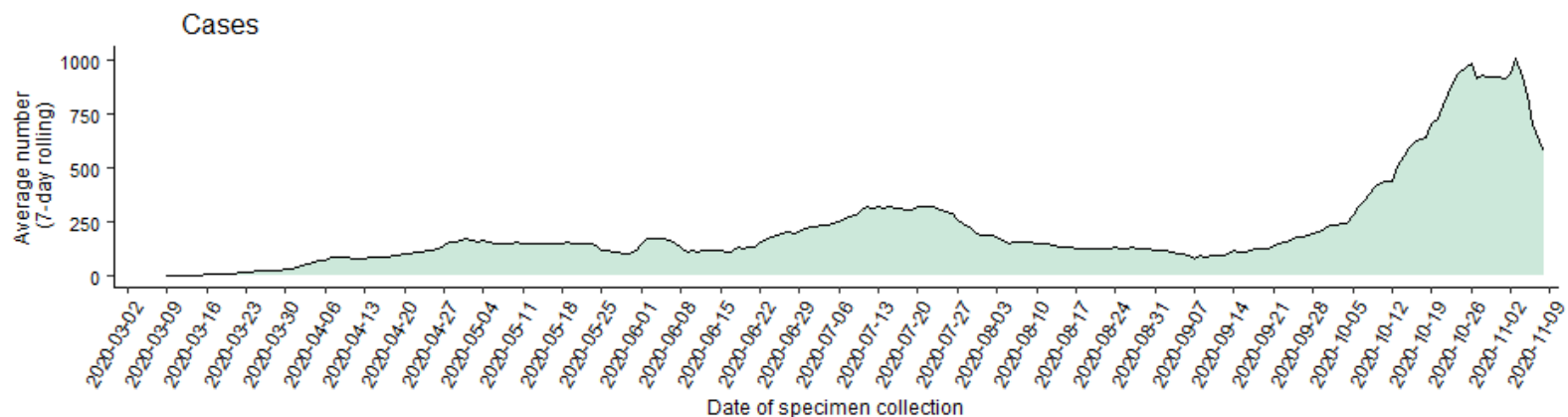


*Investing for tomorrow, delivering today.*



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, hospitalization, and deaths may not yet be reported in the last 7 days.*



# New Mexico Status Updates

- Case count: Statewide, daily case counts continue to increase.
- Hospitalizations: Hospitalizations are rising steeply and have surpassed our previously highest peak in May.
- Deaths: Weekly COVID-19 deaths continue to increase.

For more information, please visit the [Epidemiology Reports](https://cv.nmhealth.org/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 11.9.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=1.2
Positive Test Multiplier	Calculated by LANL	3.0
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.50% ICU 0.21% Vent Rate 53% of ICU Crude Case Fatality Rate 3.0%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days