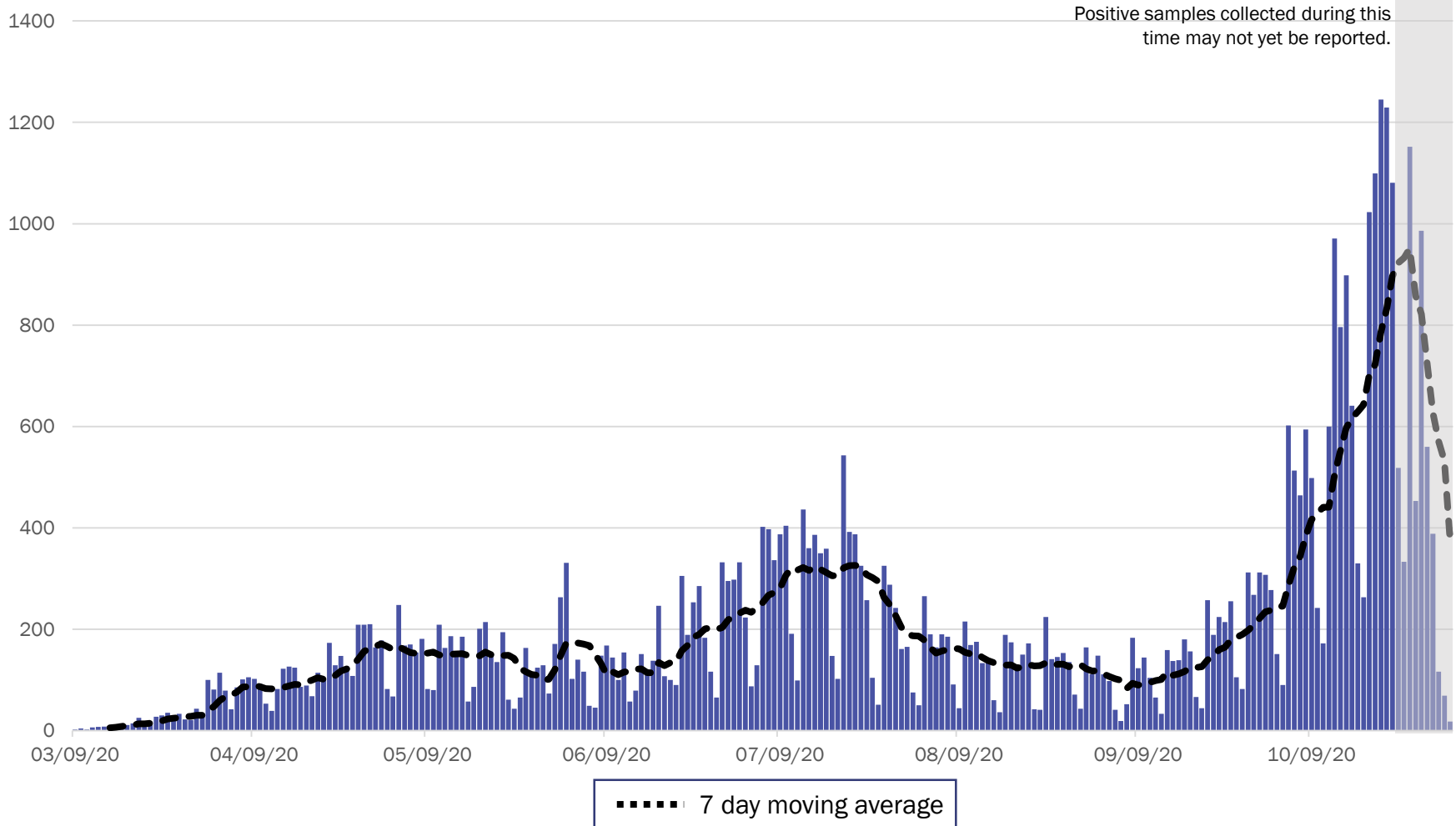


COVID-19 in New Mexico: Epidemiologic and Modeling Update

November 3, 2020

New Mexico COVID-19 Cases by Date of Specimen Collection

November 3, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.

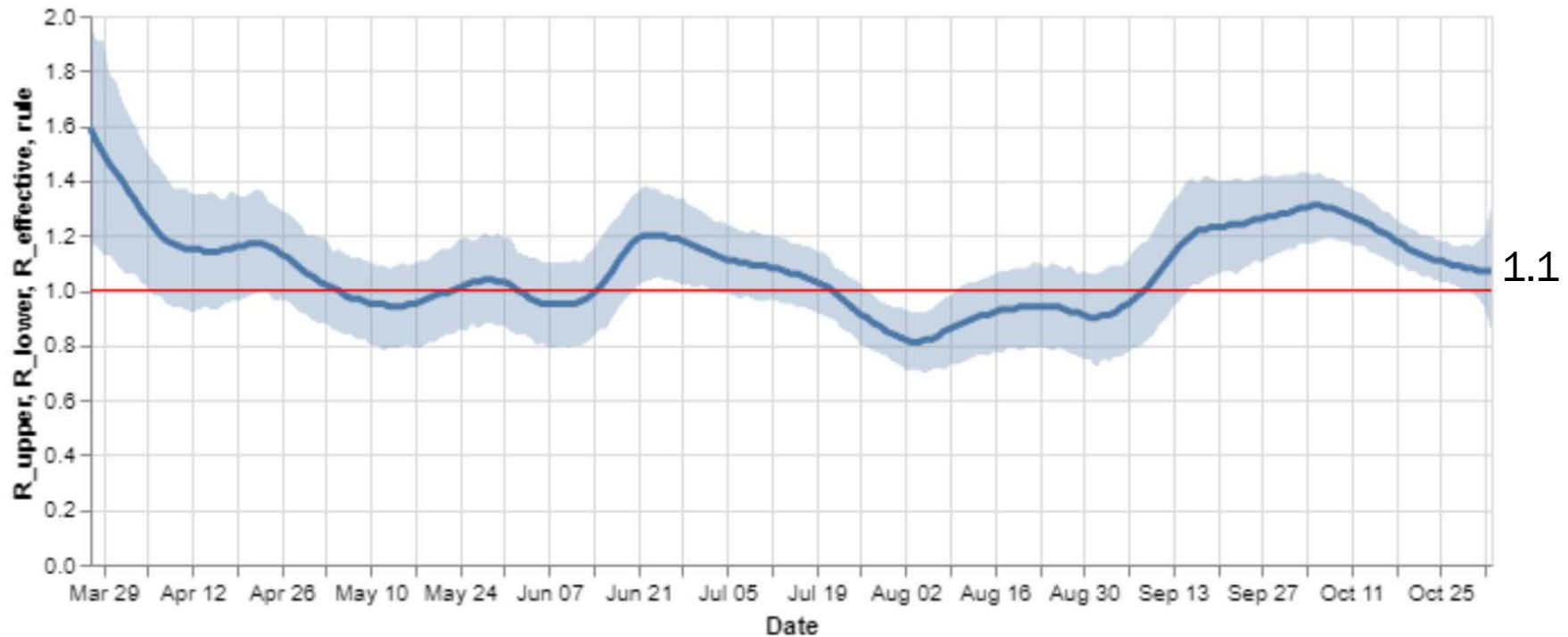


Investing for tomorrow, delivering today.

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 1.1.*

R_effective over time, STATE



1.1

*Delays in reporting may cause underestimation.

Courtesy of Presbyterian Healthcare Services – November 3, 2020.

*Delays in reporting may cause underestimation.

Key

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

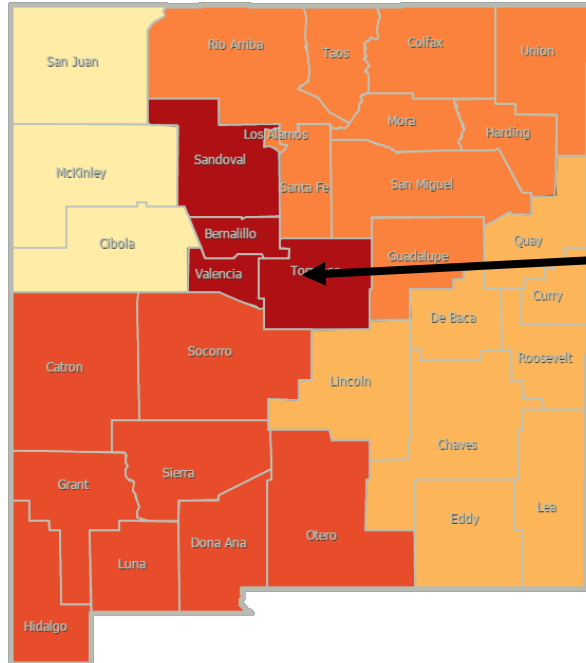
Northwest
R_effective 1.2 ↓

Northeast
R_effective 1.2 ↓

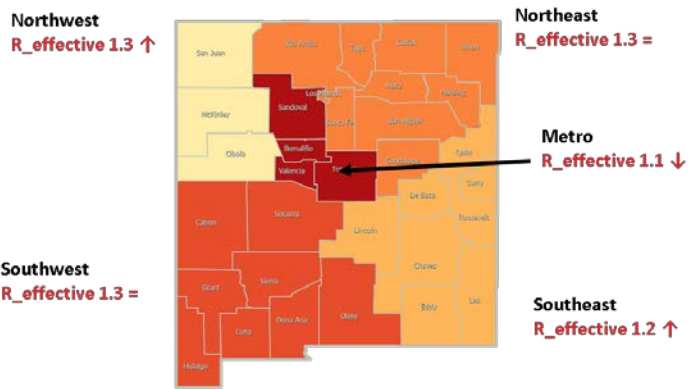
Metro
R_effective 1.1 =

Southwest
R_effective 1.1 ↓

Southeast
R_effective 0.9 ↓



As of October 26, 2020



Region	R-effective	95% Confidence Interval
State	1.1	[0.9, 1.3]
Metro	1.1	[0.7, 1.5]
Northeast	1.2	[0.3, 2.0]
Northwest	1.2	[0.5, 2.0]
Southeast	0.9	[0.3, 1.5]
Southwest	1.1	[0.7, 1.6]

Courtesy of Presbyterian Healthcare Services – November 3, 2020.

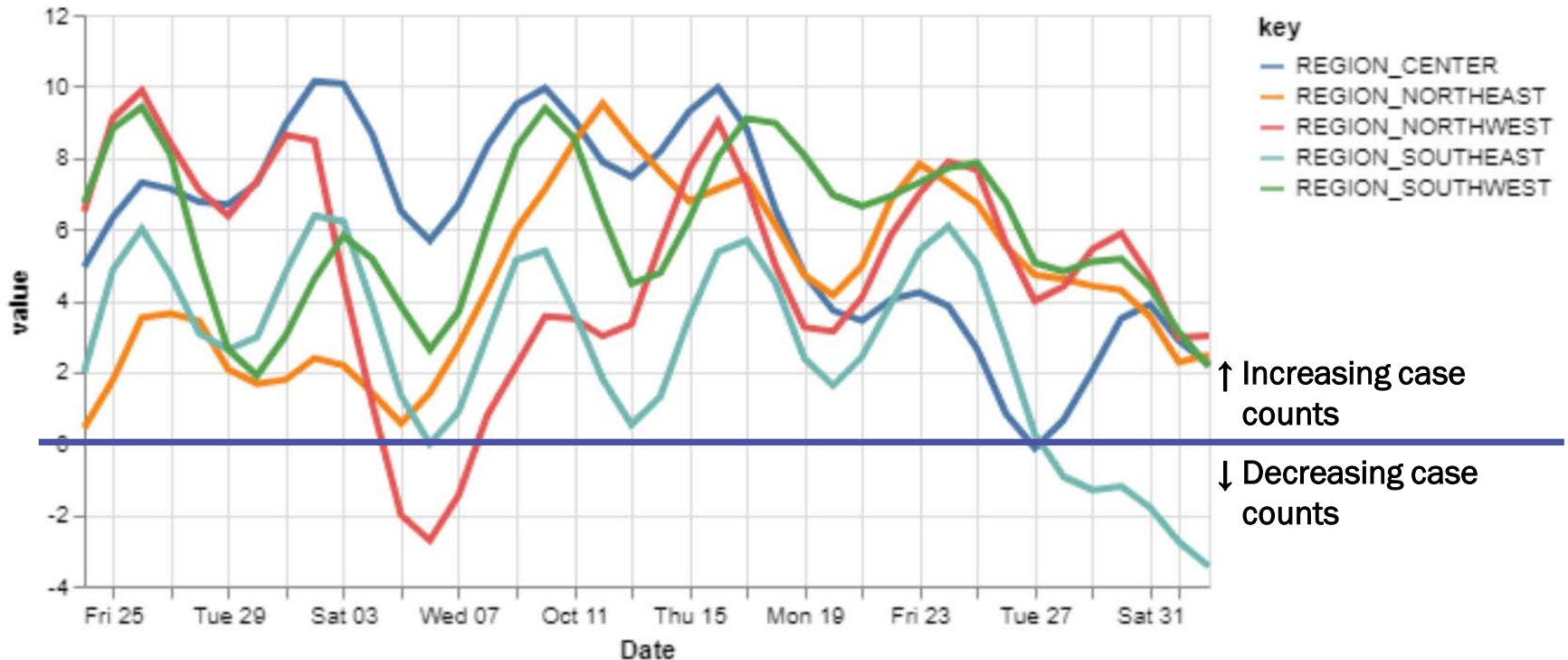


Investing for tomorrow, delivering today.



The relative growth rate has decreased to below 0.*

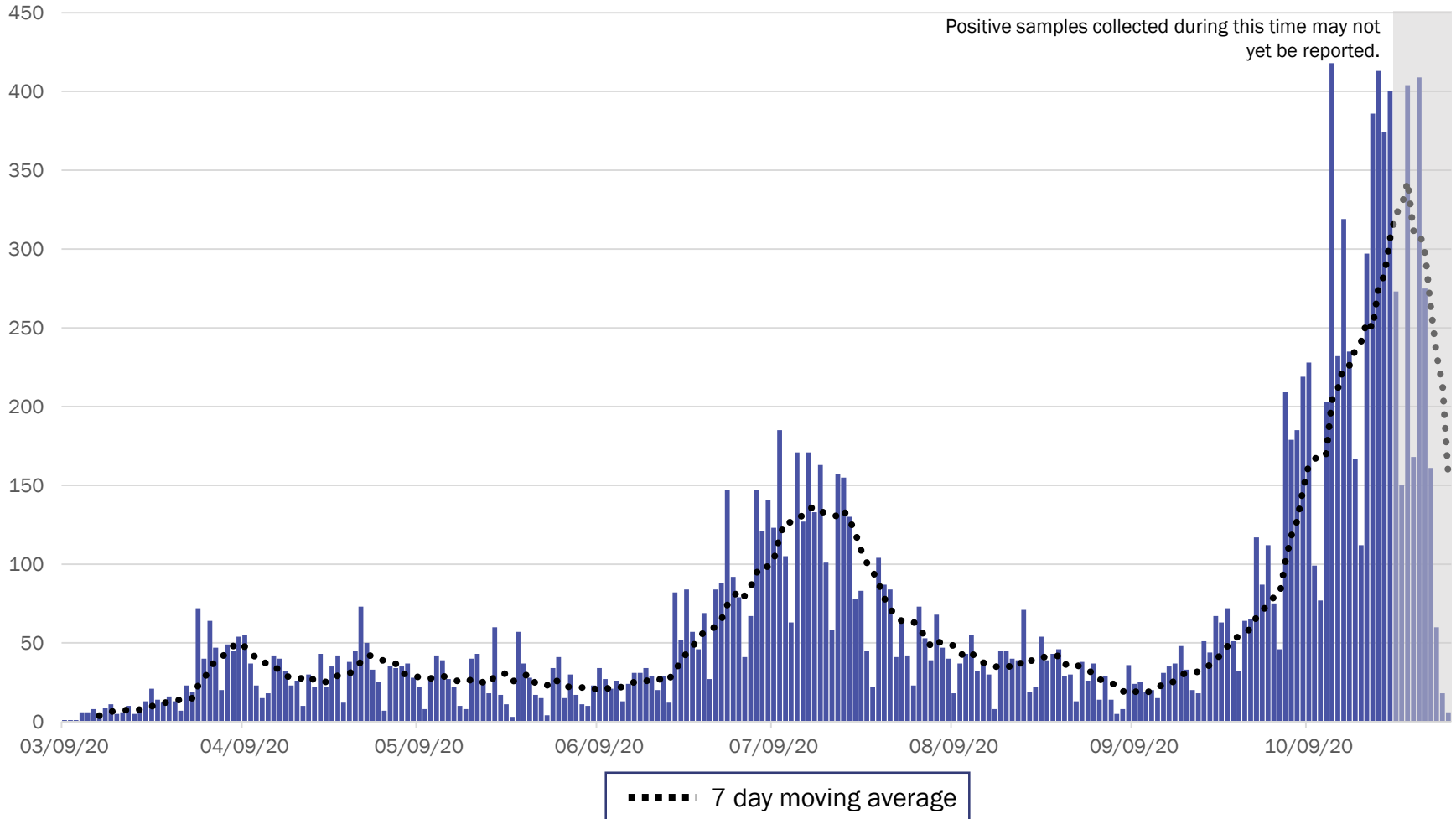
14-day relative growth rate (%), Regions



*Delays in reporting may cause underestimation.

Courtesy of Presbyterian Healthcare Services – November 3, 2020.

Metro Region Case Count by Collection Date with 7 Day Moving Average November 3, 2020



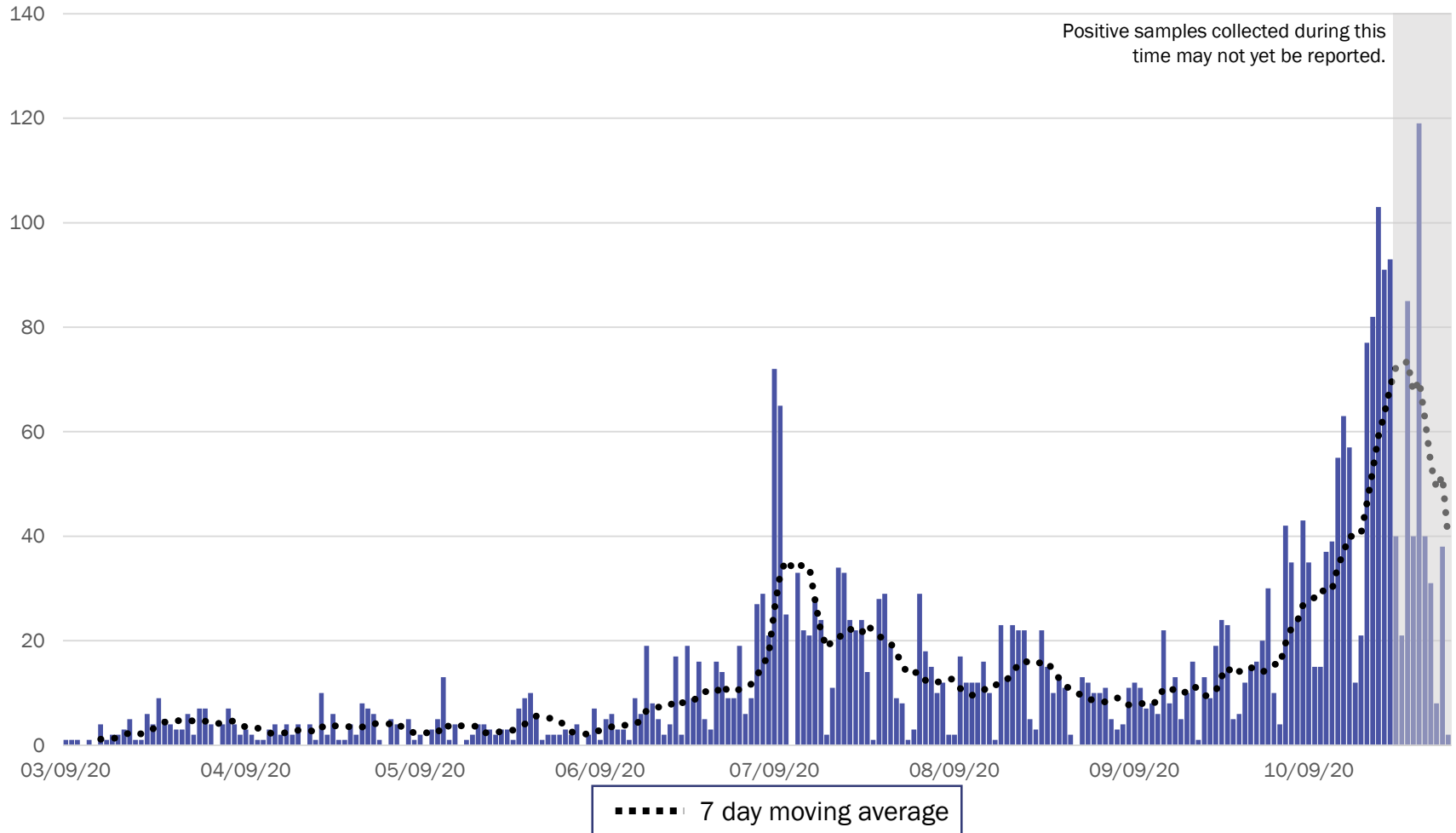
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.



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 3, 2020



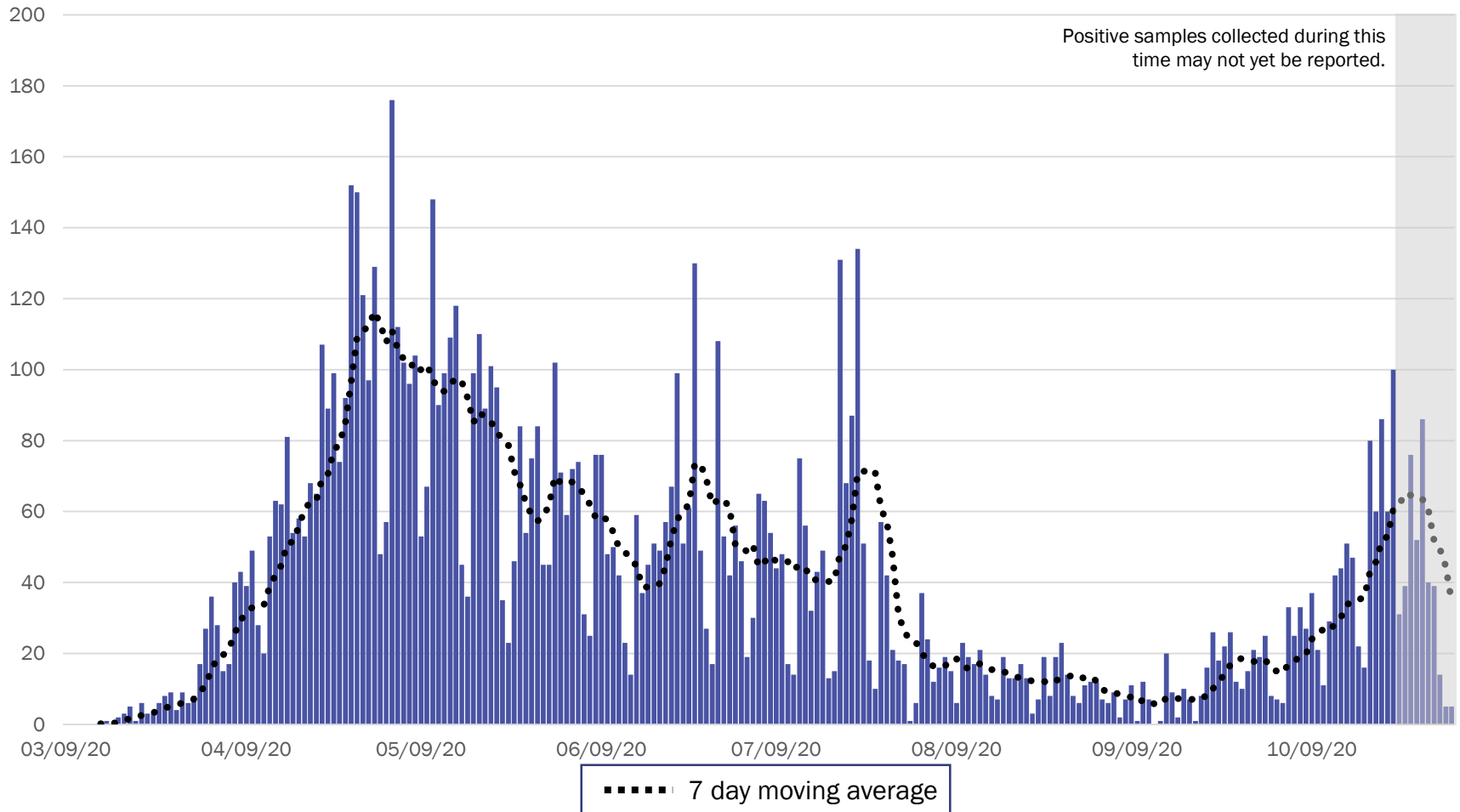
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.



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 November 3, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.

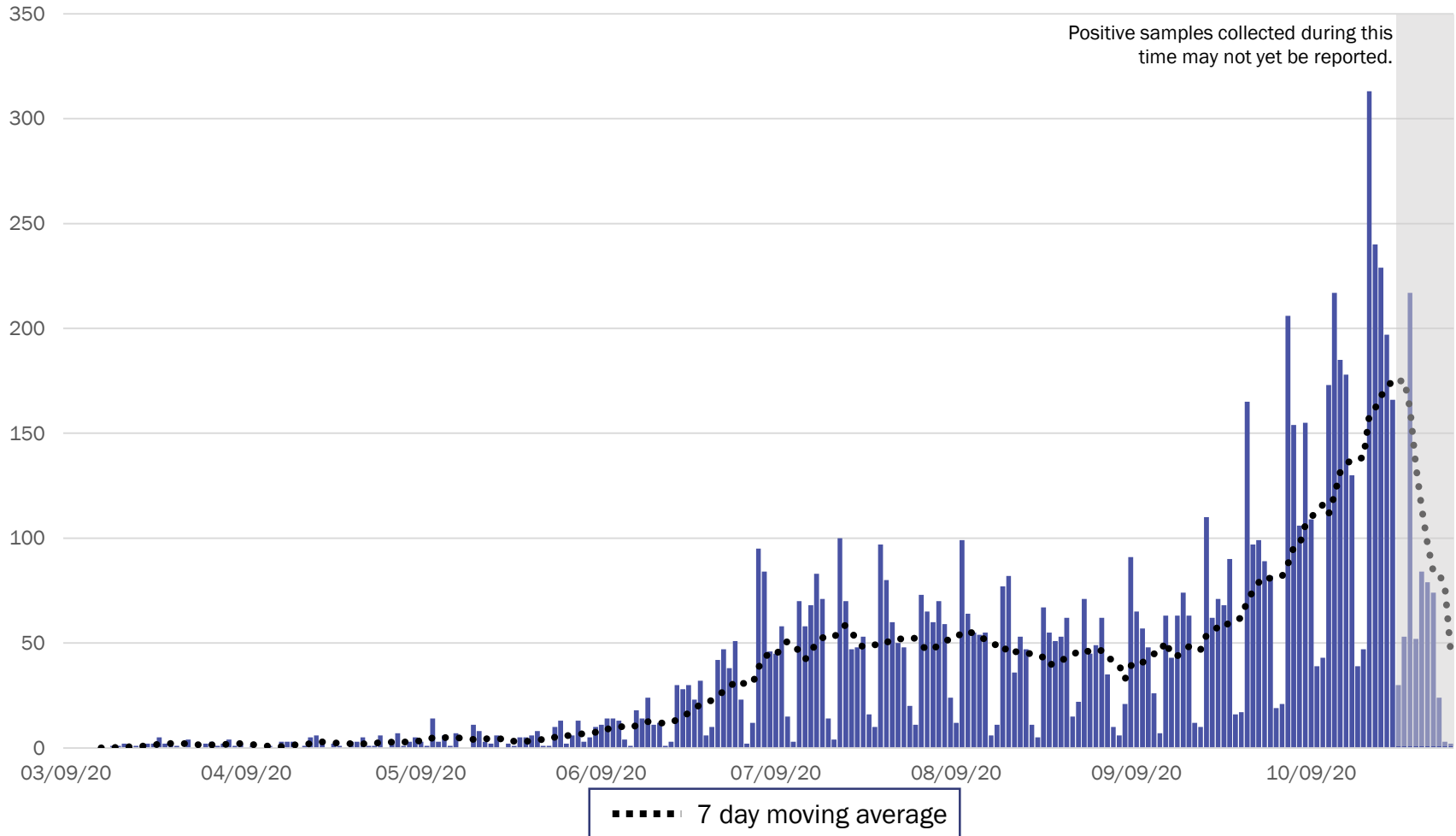


Investing for tomorrow, delivering today.



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 November 3, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.

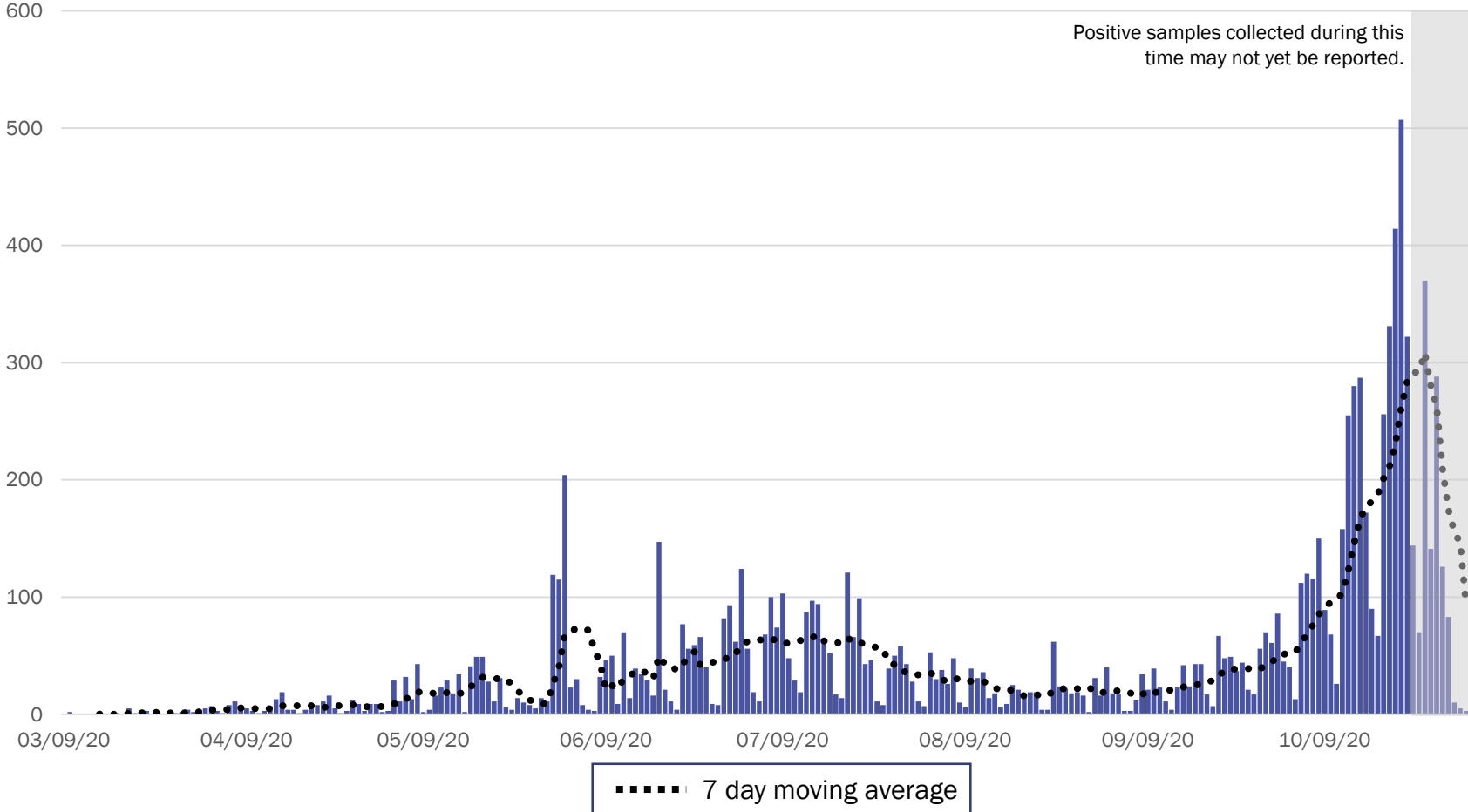


Investing for tomorrow, delivering today.



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 3, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 11.3.2020, New Mexico Department of Health.

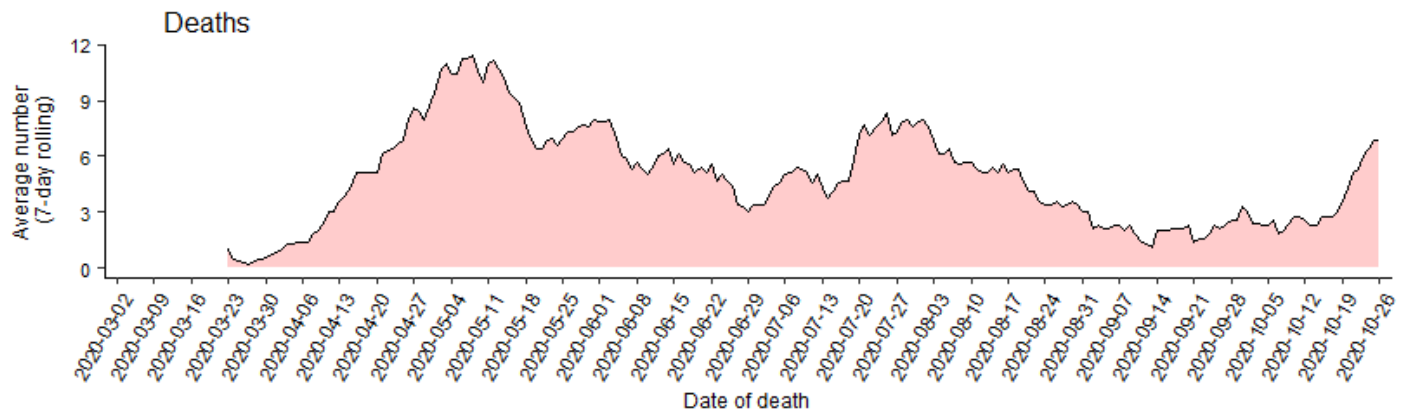
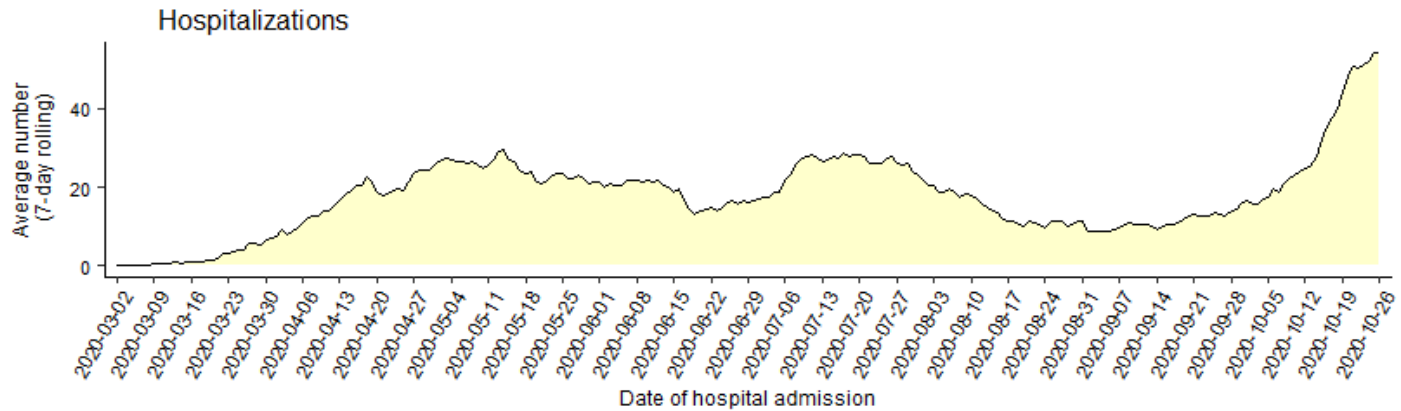
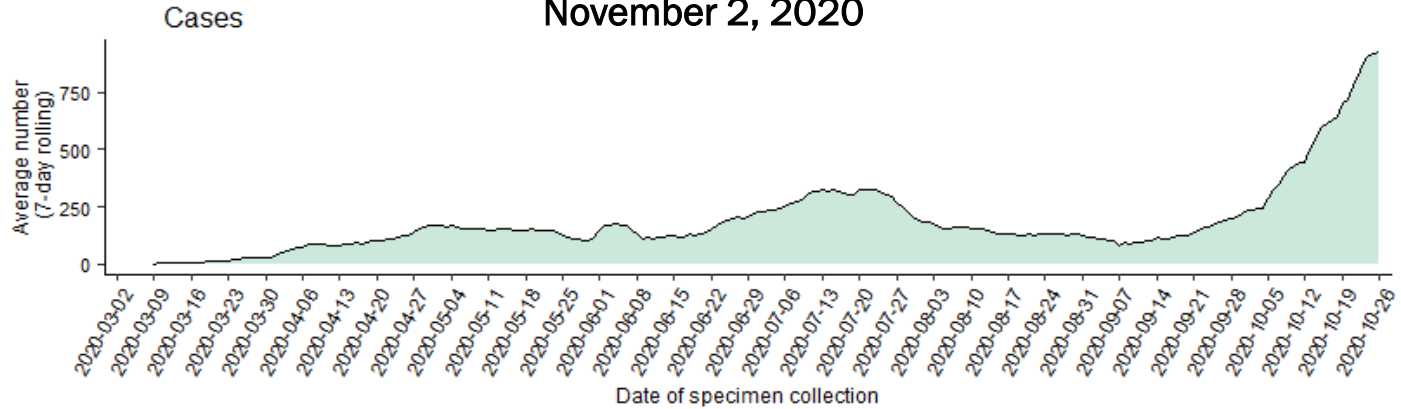


Investing for tomorrow, delivering today.



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

Average number* (7-day rolling) of cases, hospitalizations, and deaths over time November 2, 2020



*Cases, hospitalizations, and deaths last week may not yet be reported and are not shown here.

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.
- Contact tracing: The median time to quarantine for contacts identified last week was approximately 3.8 days.

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 11.3.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=1.1
Positive Test Multiplier	Calculated by LANL	3.2
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.47% ICU 0.22% Vent Rate 45% of ICU Crude Case Fatality Rate 3.1%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days