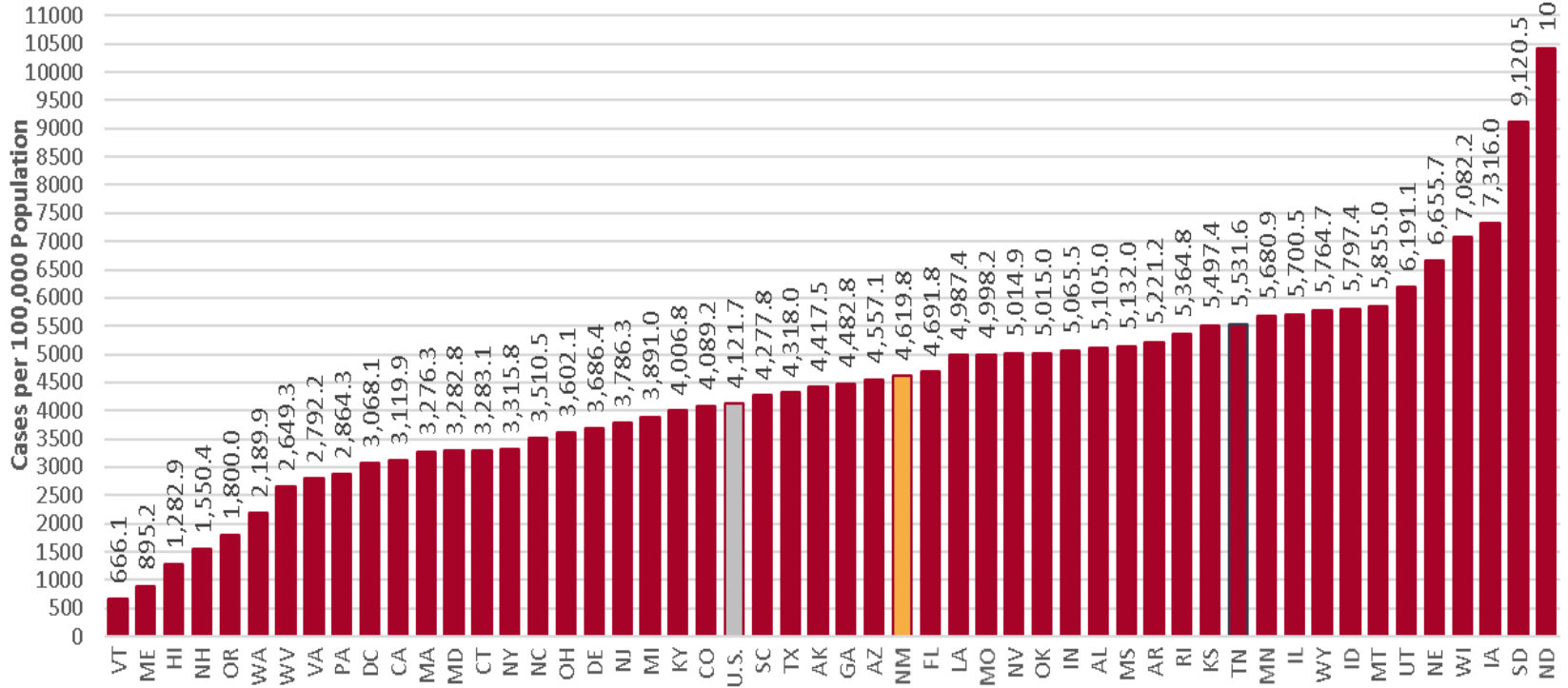


# COVID-19 in New Mexico: Epidemiologic and Modeling Update

December 1, 2020

# New Mexico has the 24<sup>th</sup> highest number of cases per 100,000 population in the United States

Infection Rate: COVID-19 Cases, Cumulative Year to Date, by U.S. States  
data downloaded Tuesday AM, December 1, 2020



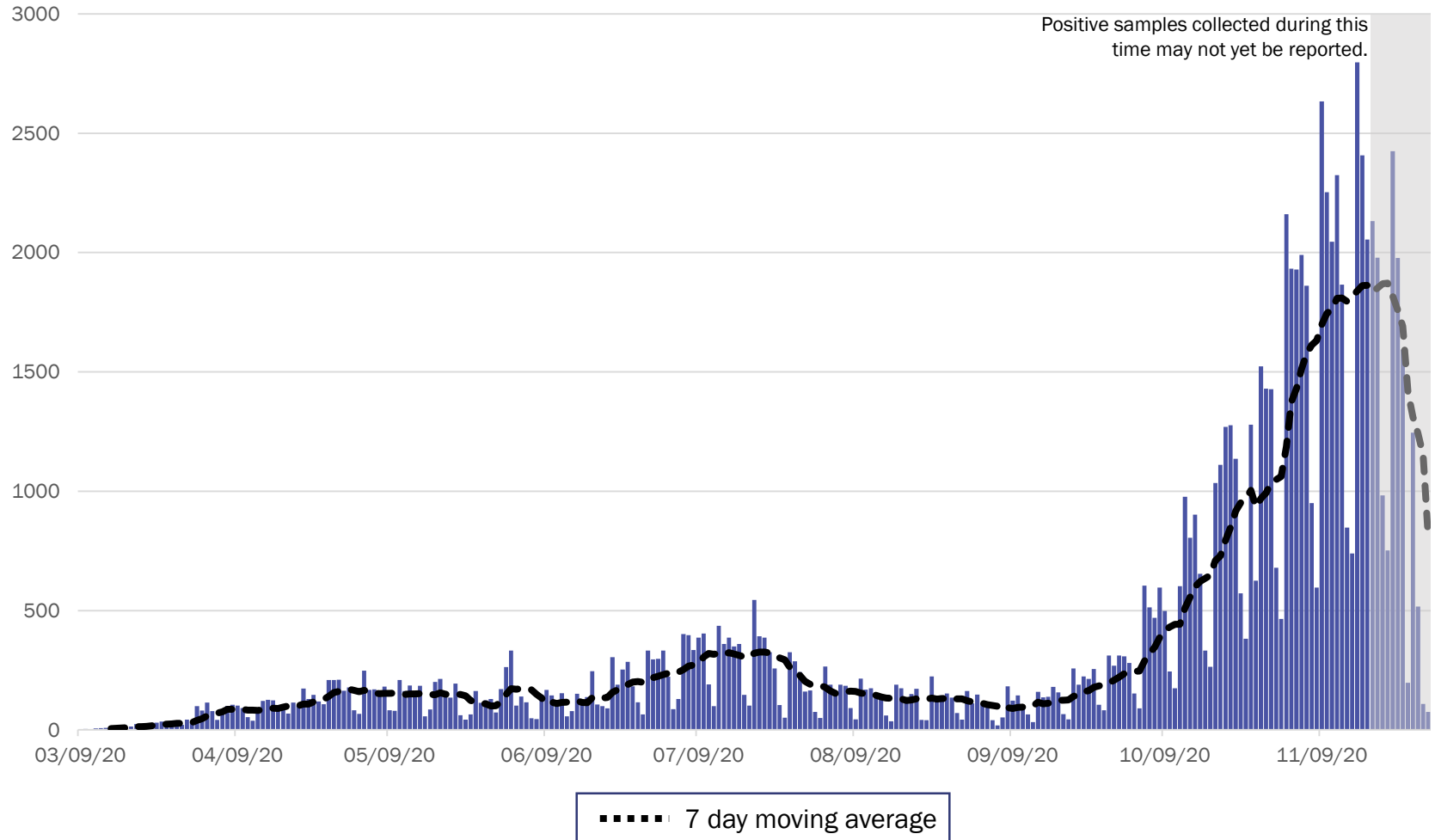
Source: Cases, Johns Hopkins University Coronavirus Resource Center. Population estimates, National Center for Health Statistics, CDC.

Note: Data updated 12/01/2020 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.



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## New Mexico COVID-19 Cases by Date of Specimen Collection – December 1, 2020



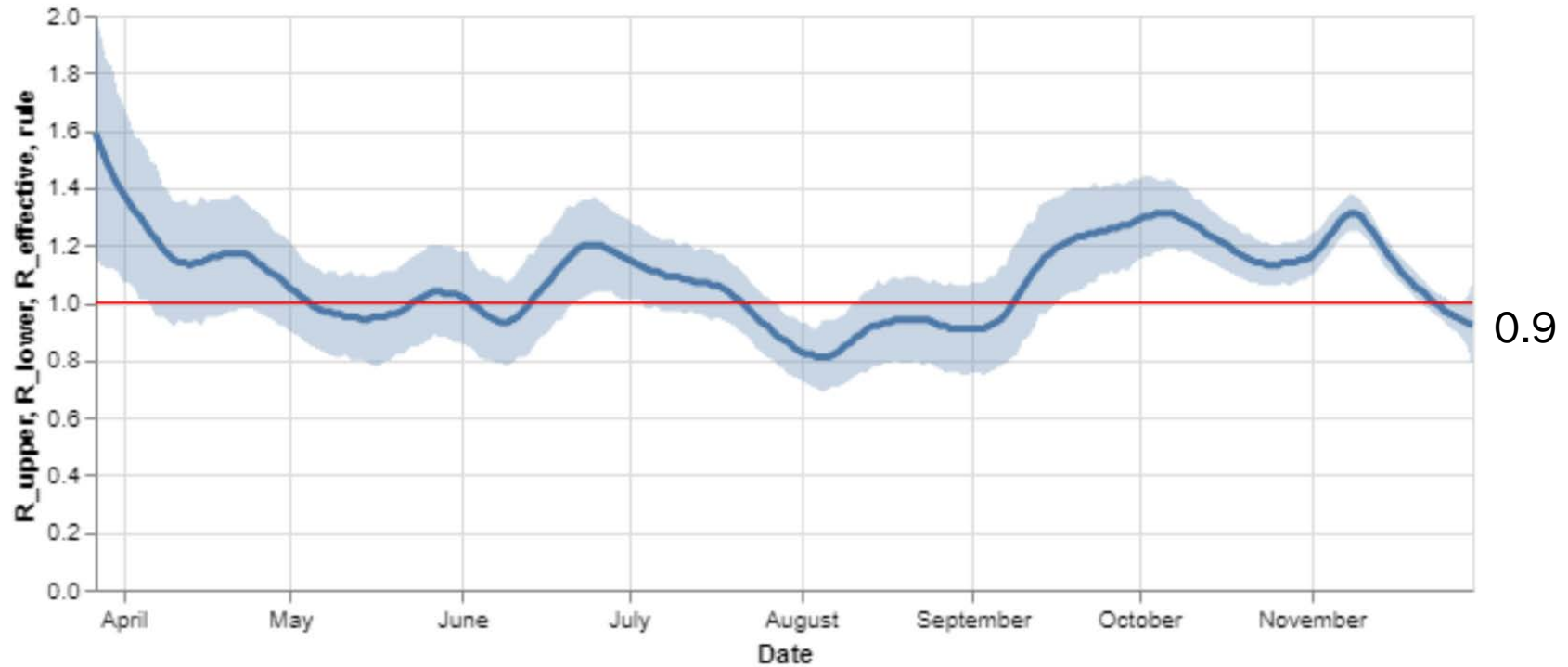
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.



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# Statewide R-effective has decreased to 0.9.

## R\_effective over time, STATE



0.9

Courtesy of Presbyterian Healthcare Services – December 1 2020.

**Key**

Low Level Endemic  
**<1.0**

Approaching Low Level Endemic  
**1.0**

Requiring further mitigation  
**>1.0**

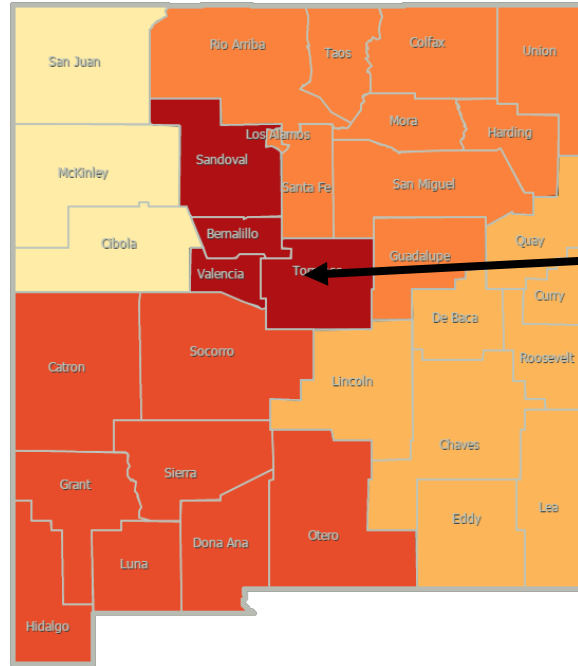
**Northwest**  
**R\_effective 1.3 ↓**

**Northeast**  
**R\_effective 0.9 ↓**

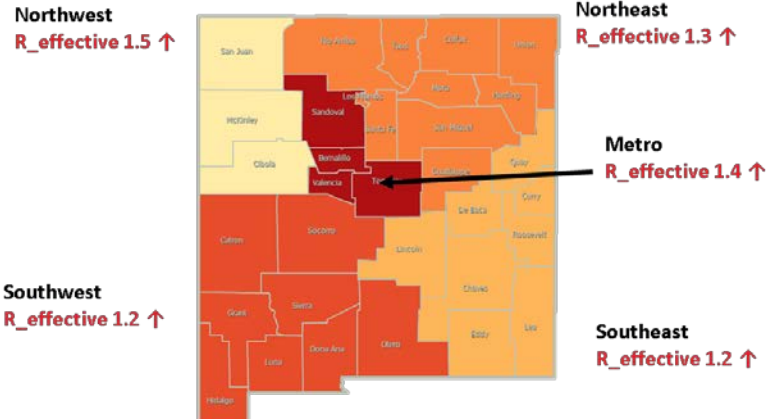
**Metro**  
**R\_effective 1.0 ↓**

**Southwest**  
**R\_effective 0.7 ↓**

**Southeast**  
**R\_effective 0.9 ↓**



As of November 23, 2020

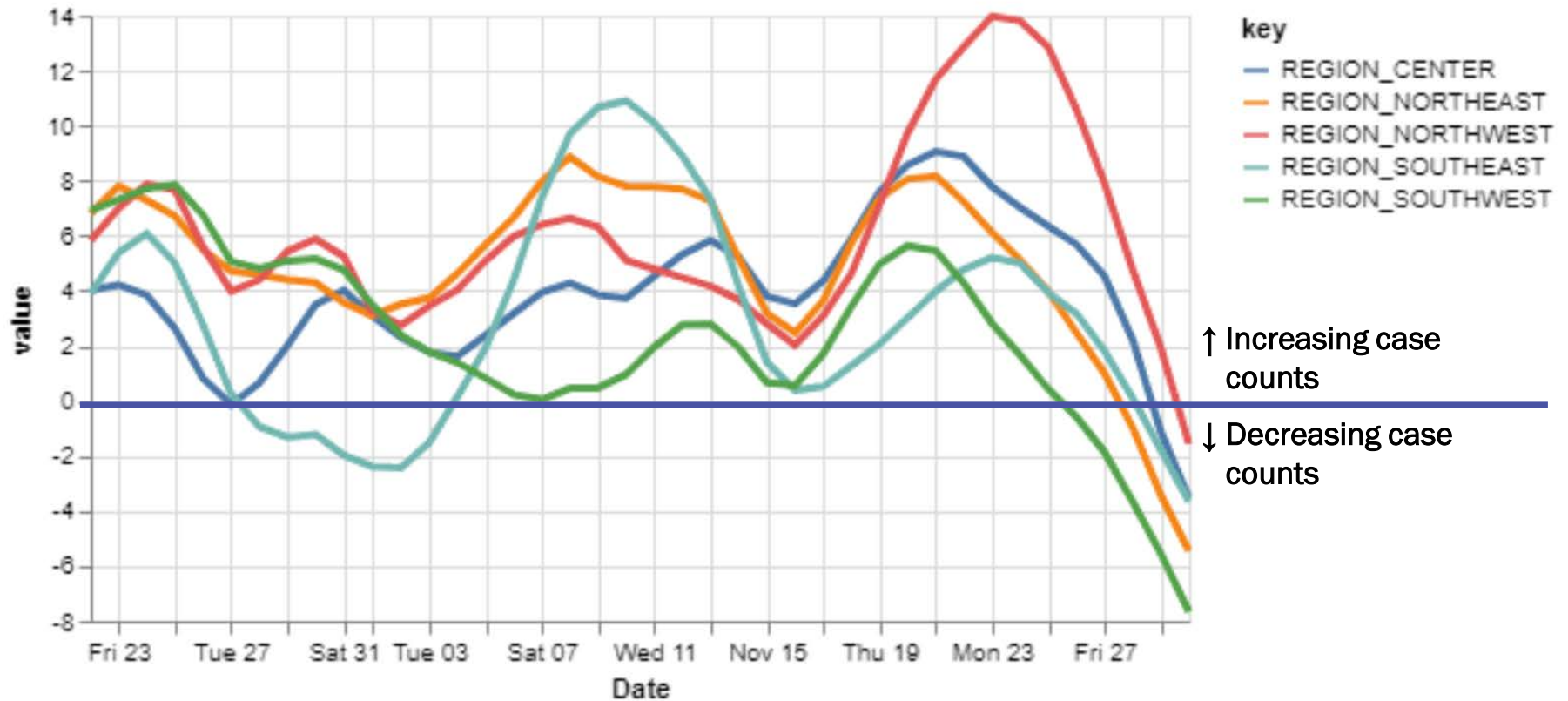


Region	R-effective	95% Confidence Interval
State	0.9	[0.8, 1.1]
Metro	1.0	[0.8, 1.2]
Northeast	0.9	[0.5, 1.4]
Northwest	1.1	[0.7, 1.5]
Southeast	0.9	[0.6, 1.2]
Southwest	0.7	[0.4, 1.1]

Courtesy of Presbyterian Healthcare Services – December 1, 2020.

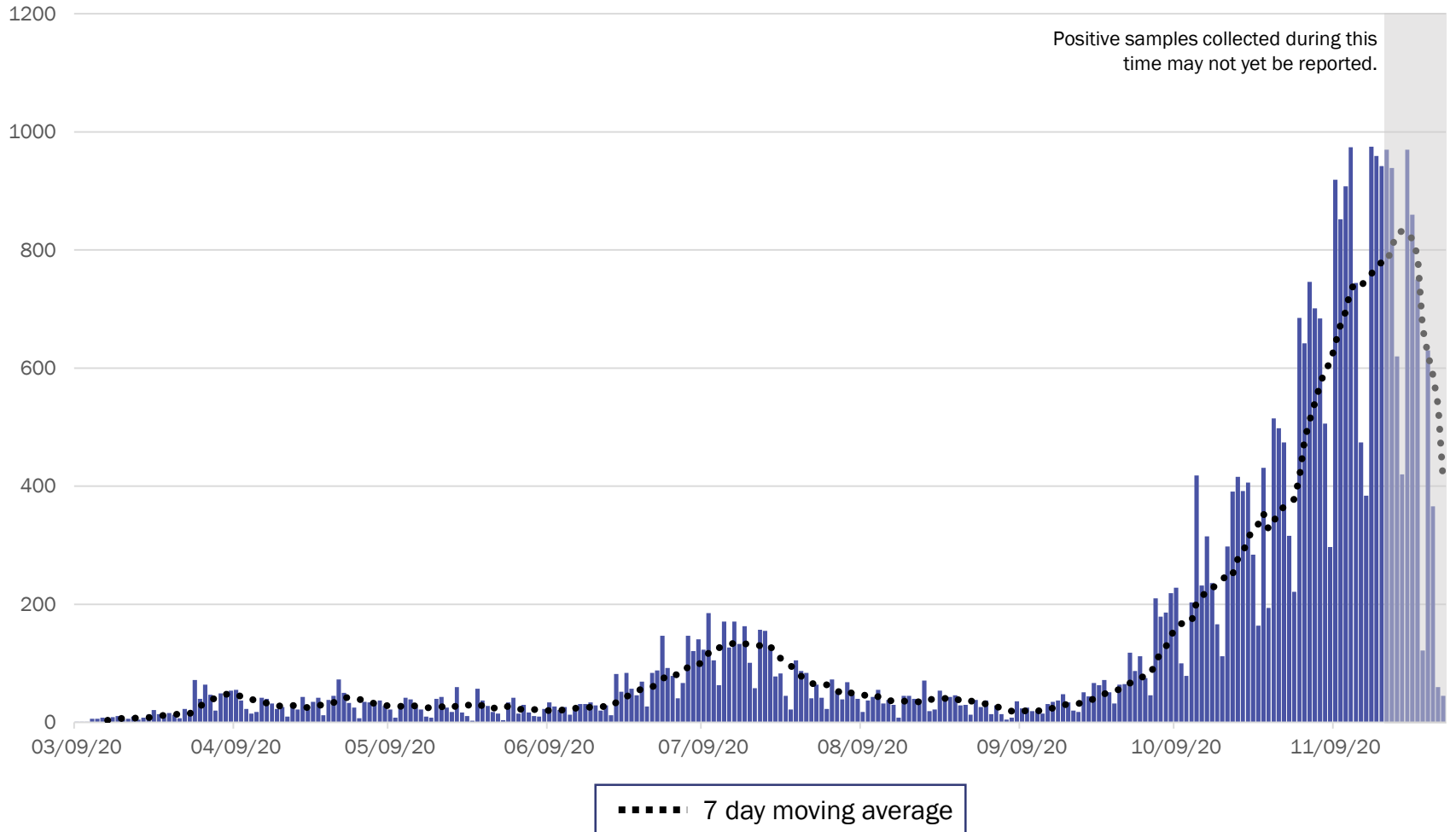
# The relative growth rates for all regions are well above 0.

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



Courtesy of Presbyterian Healthcare Services – December 1, 2020.

# Metro Region Case Count by Collection Date with 7 Day Moving Average December 1, 2020



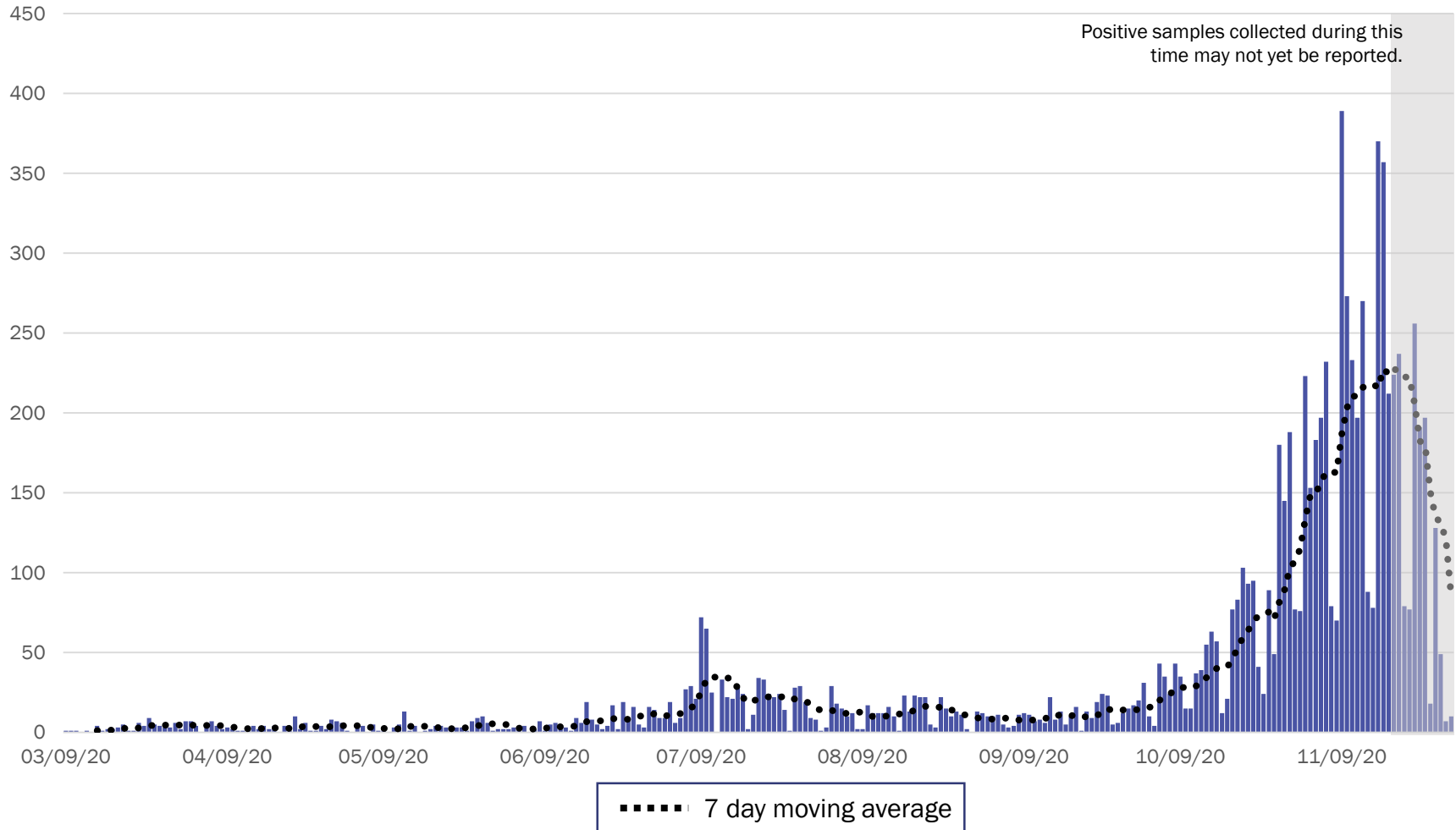
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.



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# Northeast Region Case Count by Collection Date with 7 Day Moving Average December 1, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.

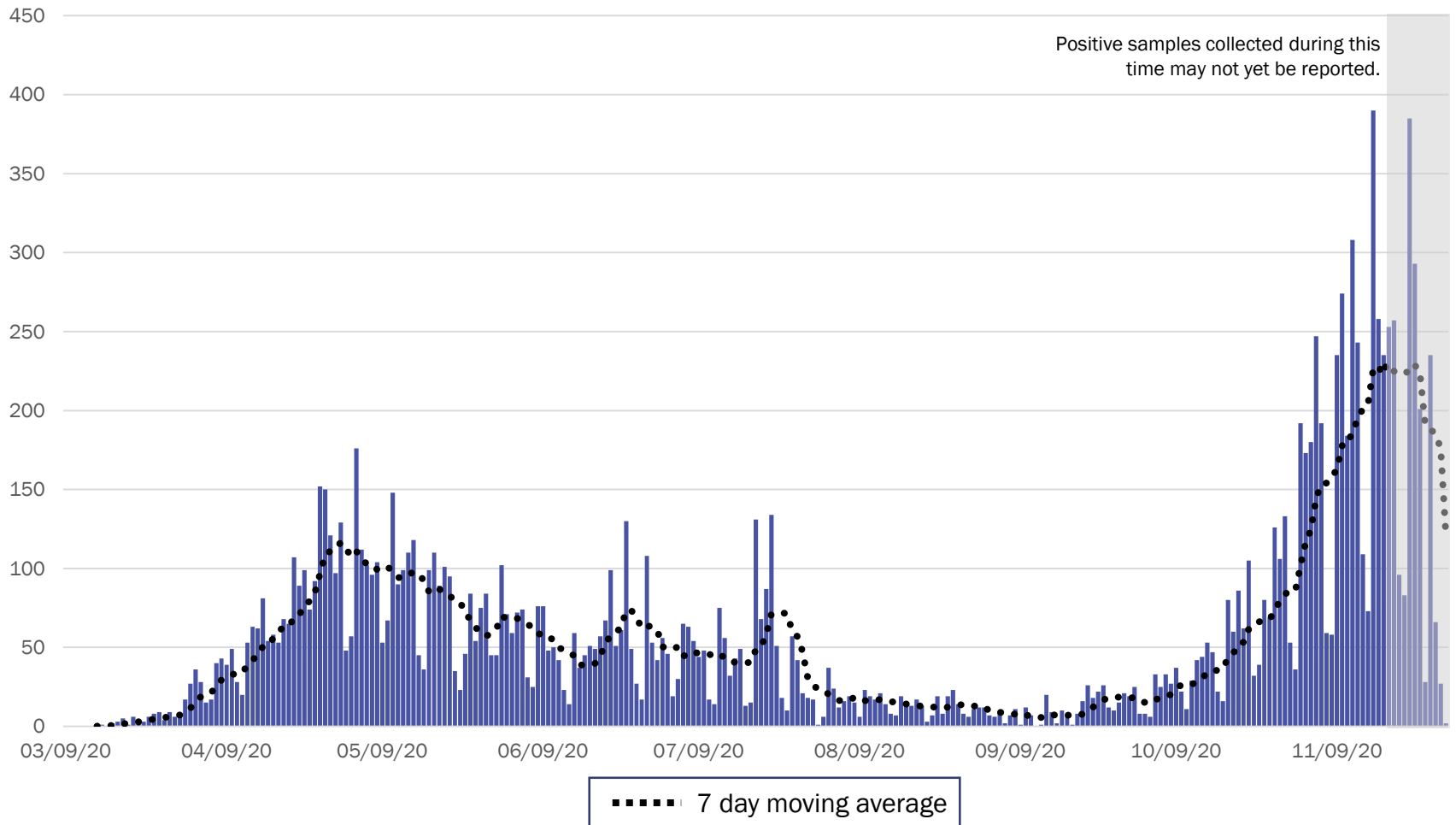


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# Northwest Region Case Count by Collection Date with 7 Day Moving Average December 1, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.

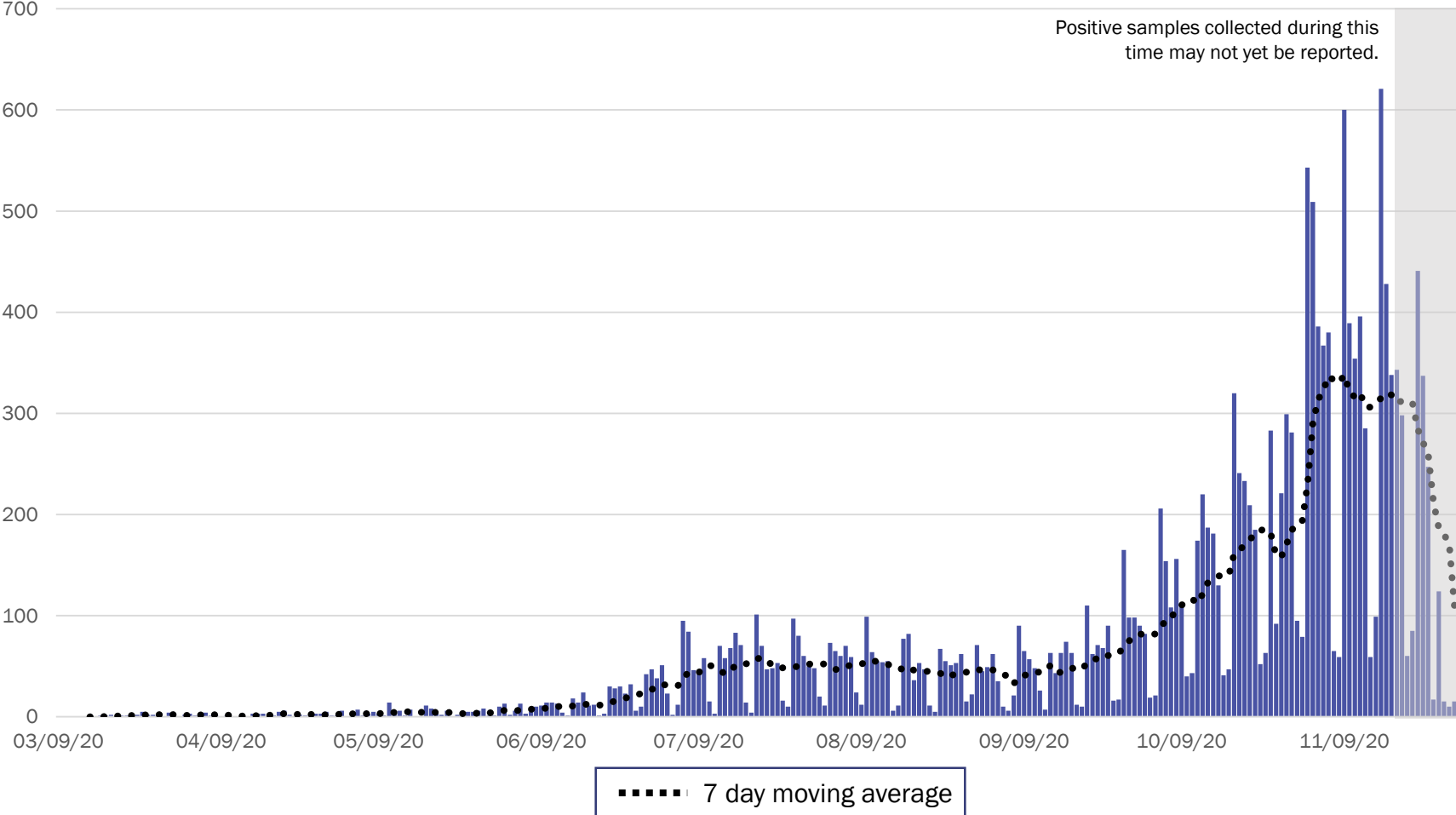


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# Southeast Region Case Count by Collection Date with 7 Day Moving Average December 1, 2020



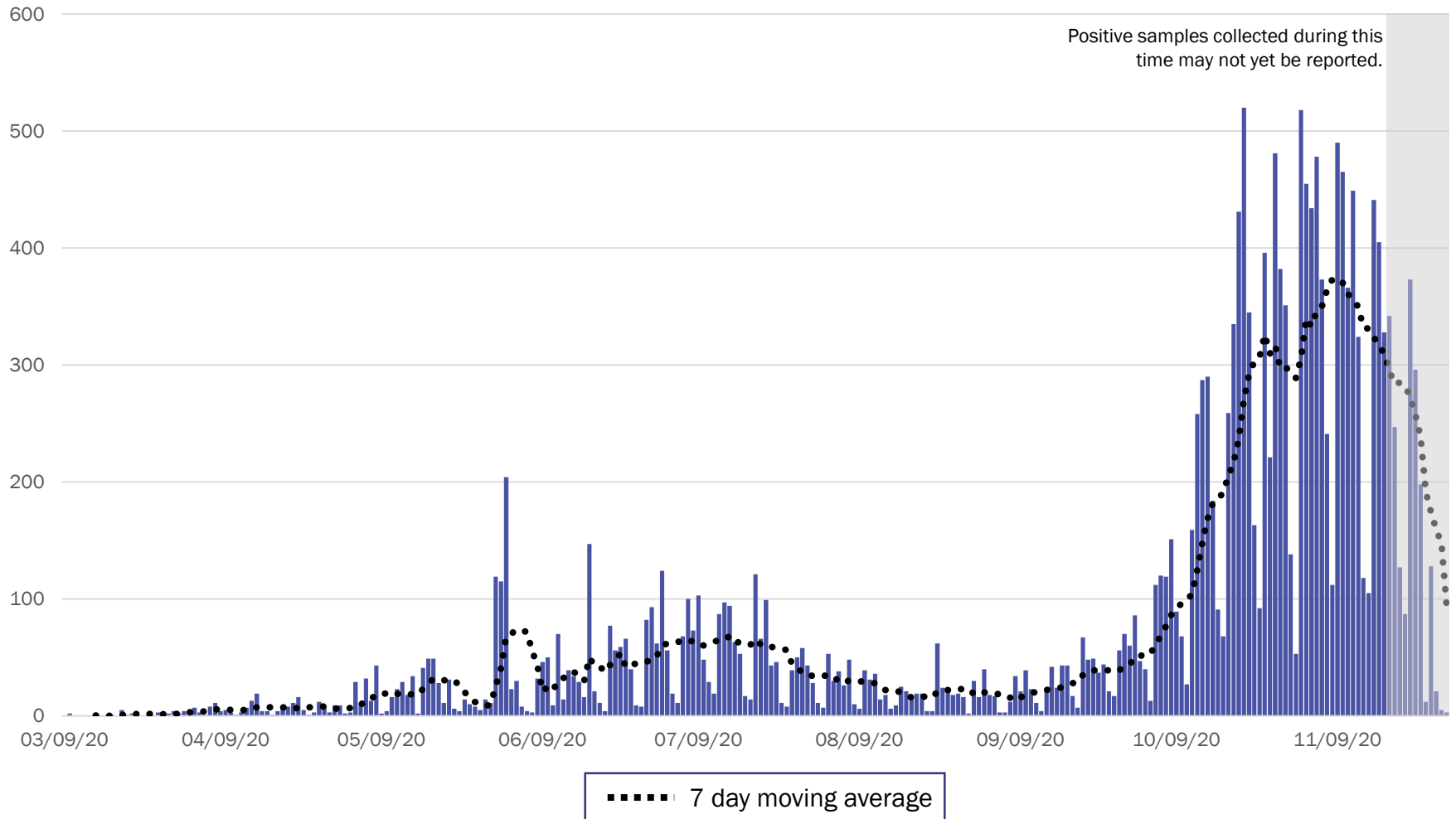
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.



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# Southwest Region Case Count by Collection Date with 7 Day Moving Average December 1, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 12.1.2020, New Mexico Department of Health.



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# 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 12.1.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=0.9
Positive Test Multiplier	Calculated by LANL	2.8
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.61% ICU 0.25% Vent Rate 56% of ICU Crude Case Fatality Rate 2.8%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days