

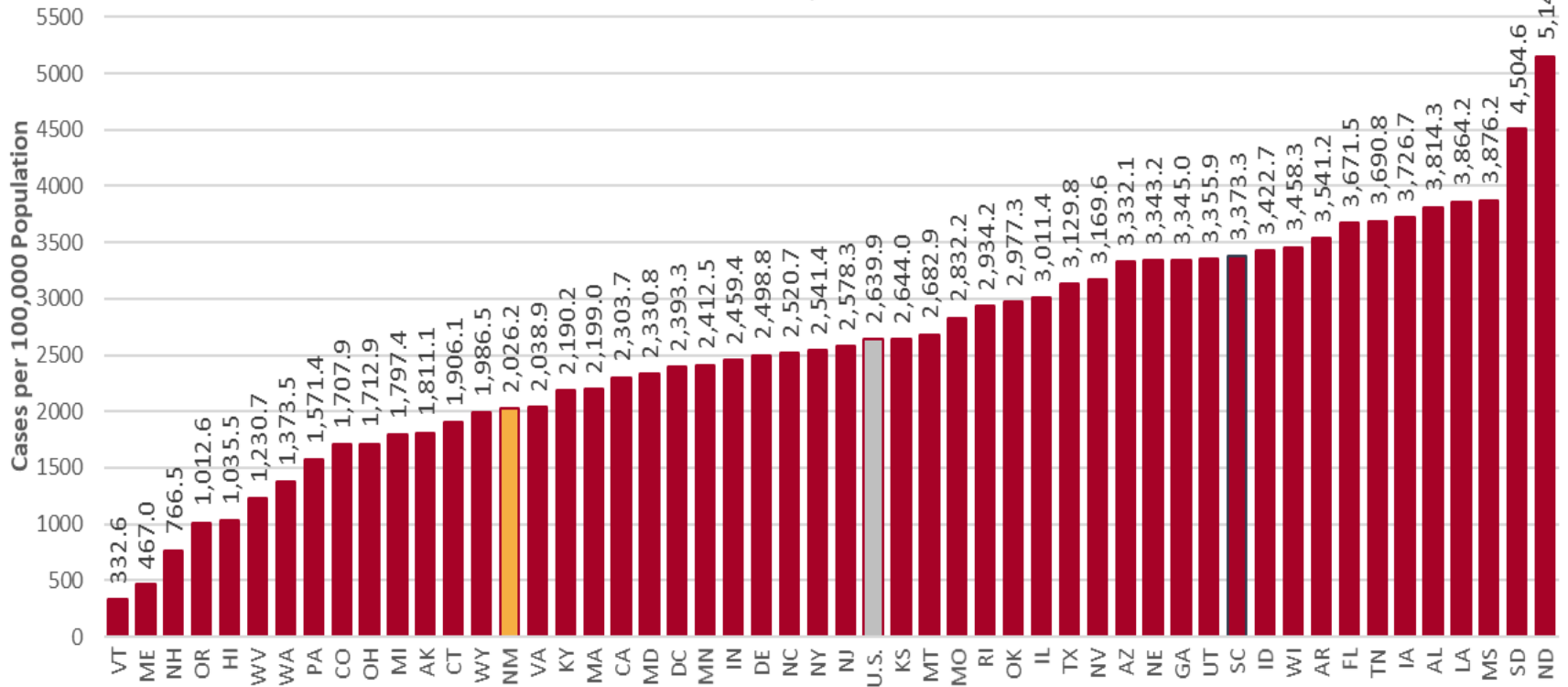
COVID-19 in New Mexico: Epidemiologic and Modeling Update

October 27, 2020

New Mexico has the 37th highest number of cases per 100,000 population in the United States

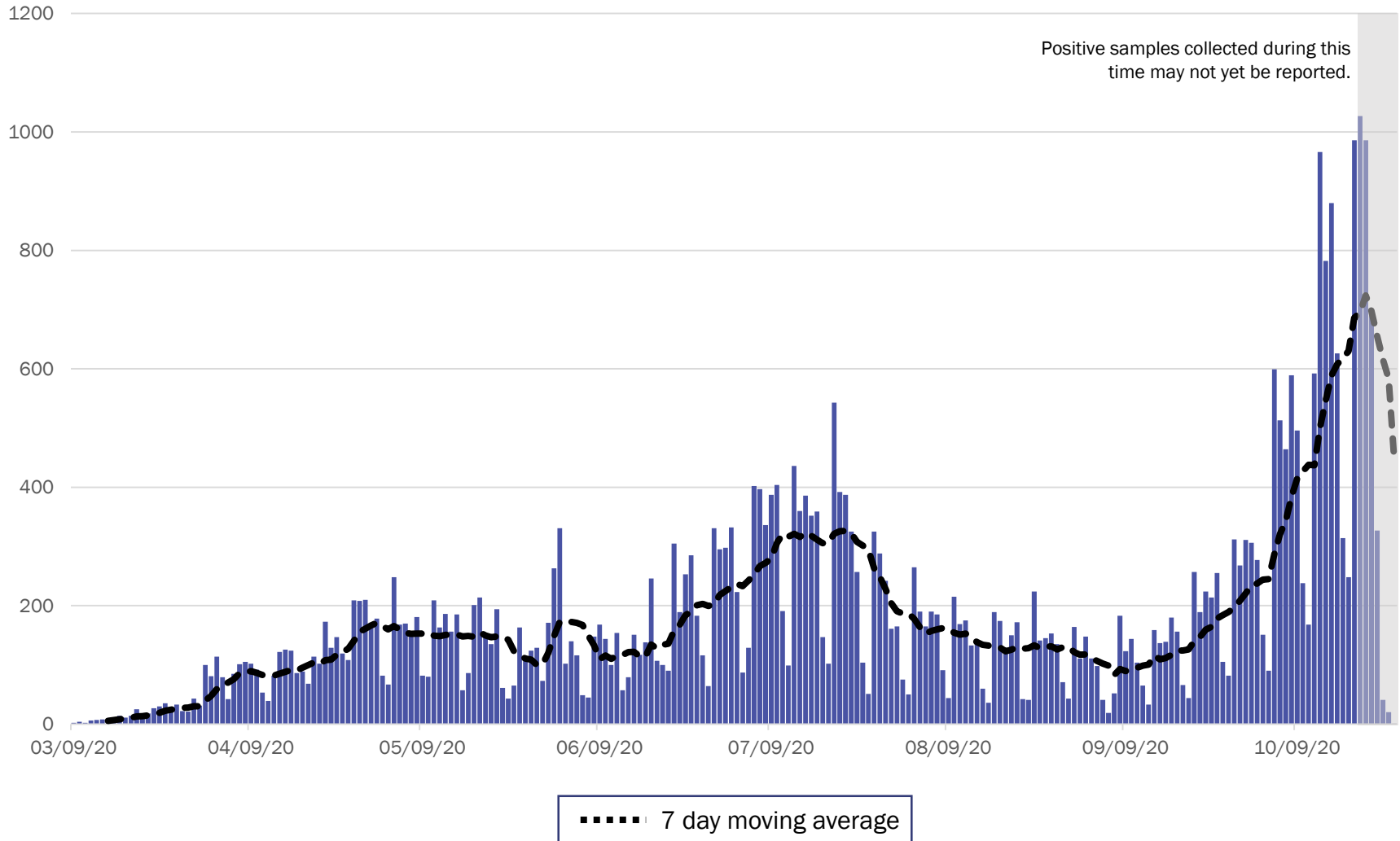
Infection Rate: COVID-19 Cases, Cumulative Year to Date, by U.S. States

data downloaded Tuesday AM, October 27, 2020



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

New Mexico COVID-19 Cases by Date of Specimen Collection – October 26, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.

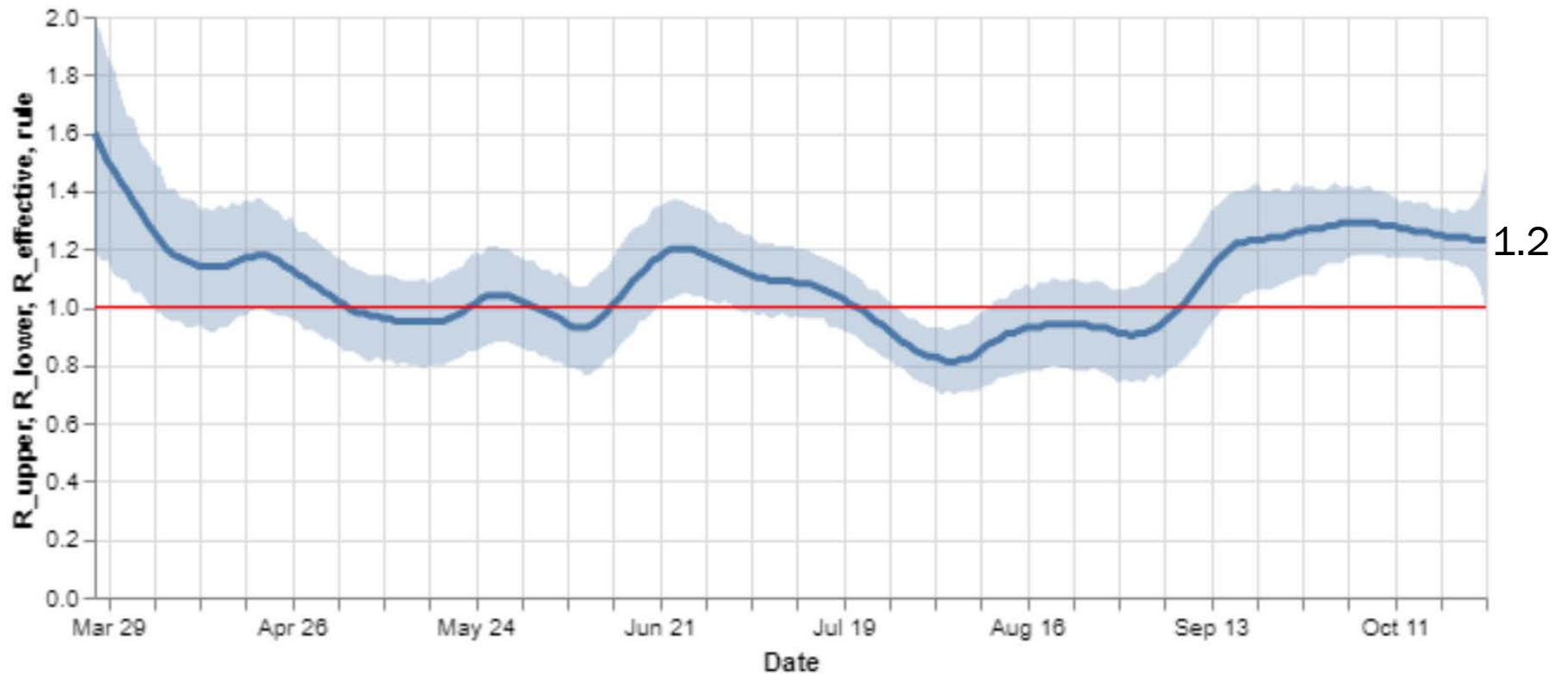


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Statewide R-effective has decreased to 1.2.

R_effective over time, STATE



1.2

Courtesy of Presbyterian Healthcare Services – October 26, 2020.



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Key

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

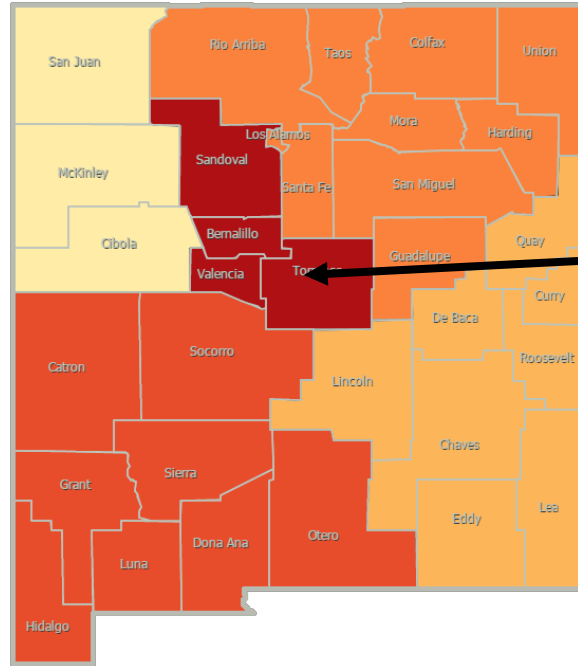
Northwest
R_effective 1.3 ↑

Northeast
R_effective 1.3 =

Metro
R_effective 1.1 ↓

Southwest
R_effective 1.3 =

Southeast
R_effective 1.2 ↑



As of October 19, 2020

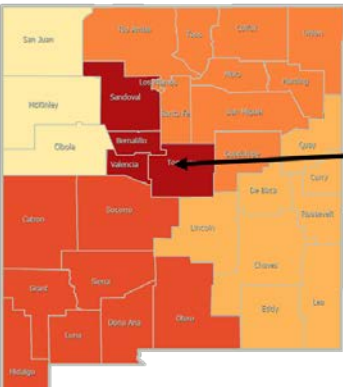
Northwest
R_effective 1.2 ↑

Northeast
R_effective 1.3 ↑

Metro
R_effective 1.3 ↓

Southwest
R_effective 1.3 ↑

Southeast
R_effective 1.1 ↓



Region	R-effective	95% Confidence Interval
State	1.2	[1.0, 1.5]
Metro	1.1	[0.7, 1.7]
Northeast	1.3	[0.6, 2.3]
Northwest	1.3	[0.4, 2.3]
Southeast	1.2	[0.6, 1.7]
Southwest	1.3	[0.9, 1.8]

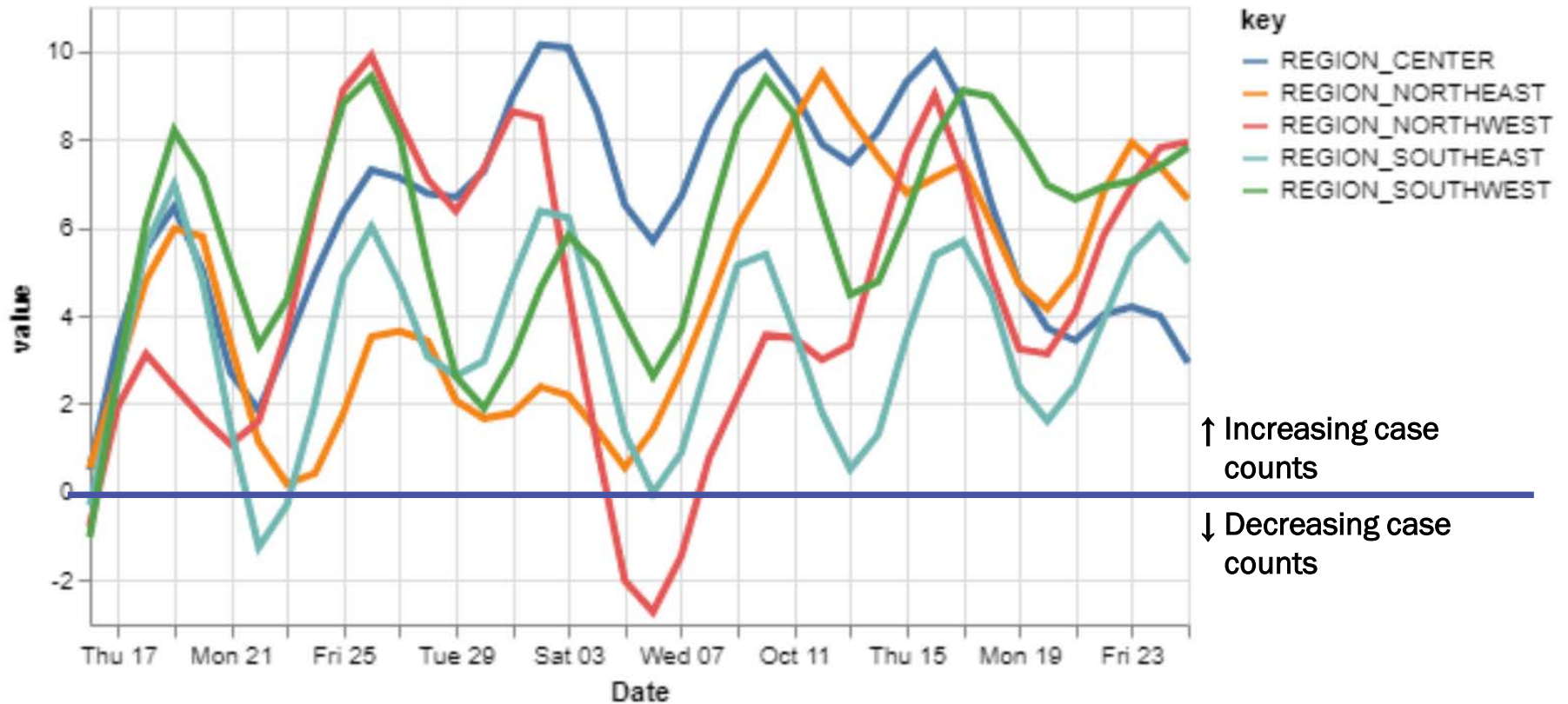
Courtesy of Presbyterian Healthcare Services – October 26, 2020.



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All regions have increasing daily case counts.

14-day relative growth rate (%), Regions



↑ Increasing case counts
↓ Decreasing case counts

Courtesy of Presbyterian Healthcare Services – October 26, 2020.

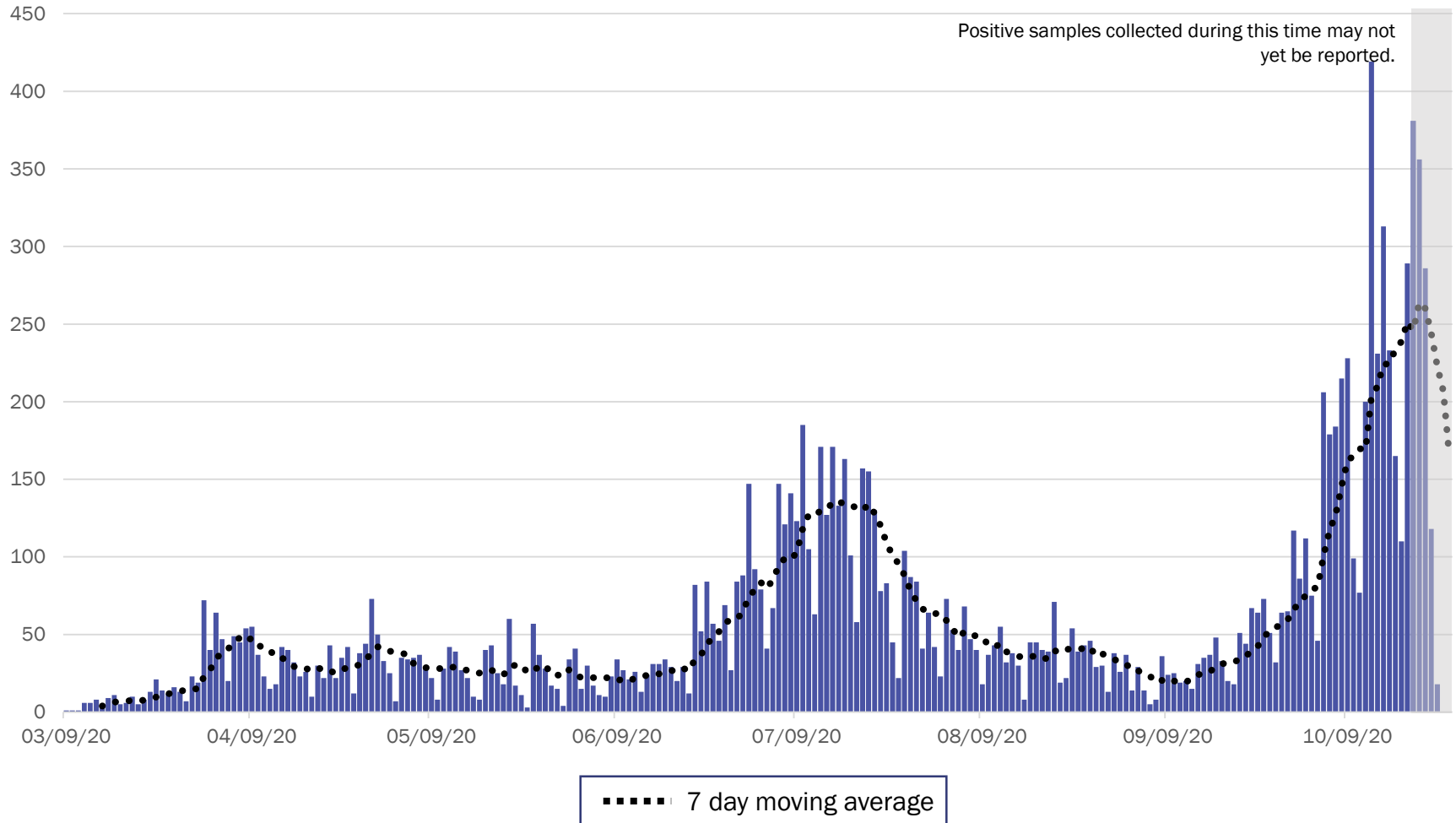


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Metro Region Case Count by Collection Date with 7 Day Moving Average October 26, 2020



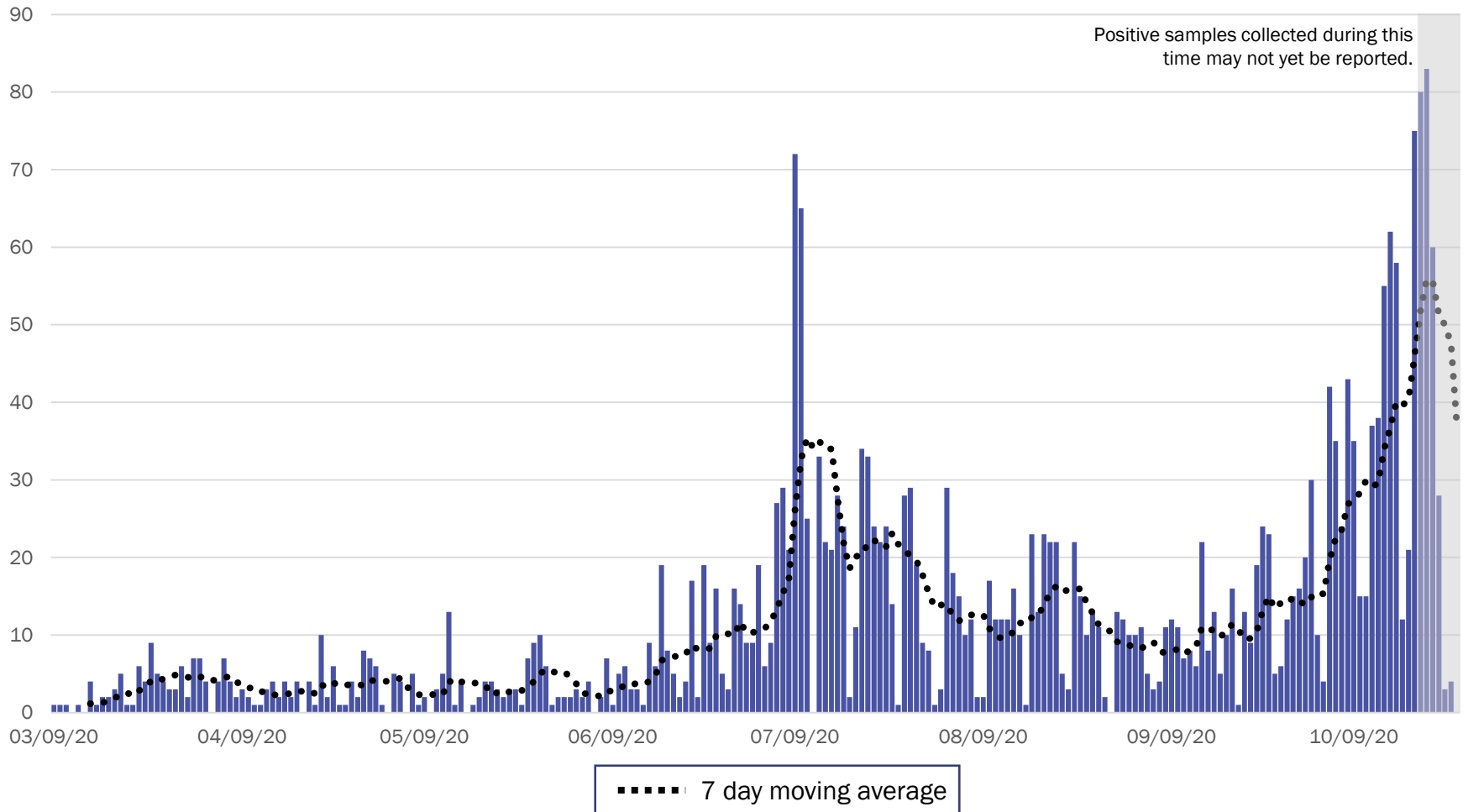
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average October 26, 2020



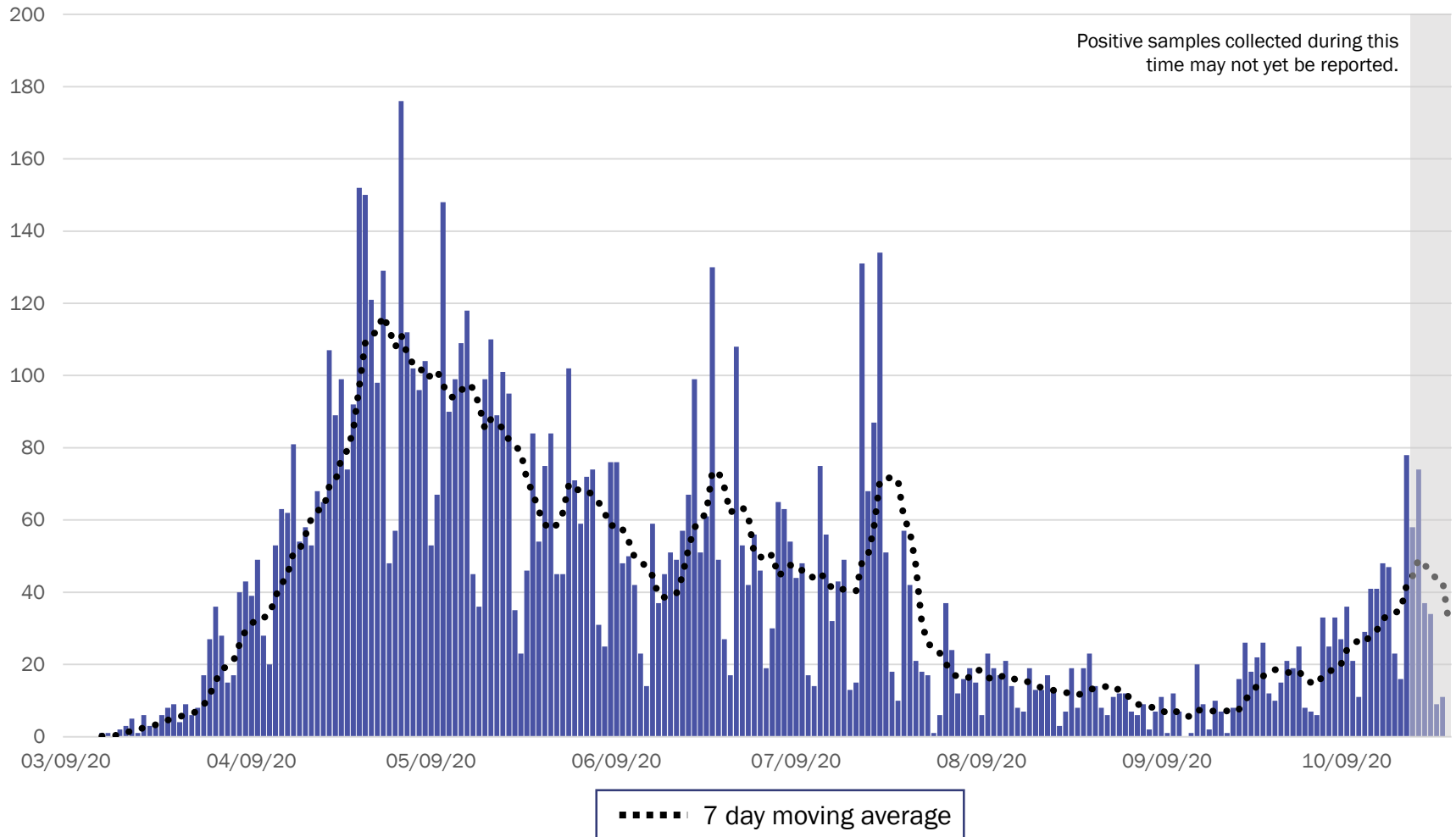
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.



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Northwest Region Case Count by Collection Date with 7 Day Moving Average October 26, 2020



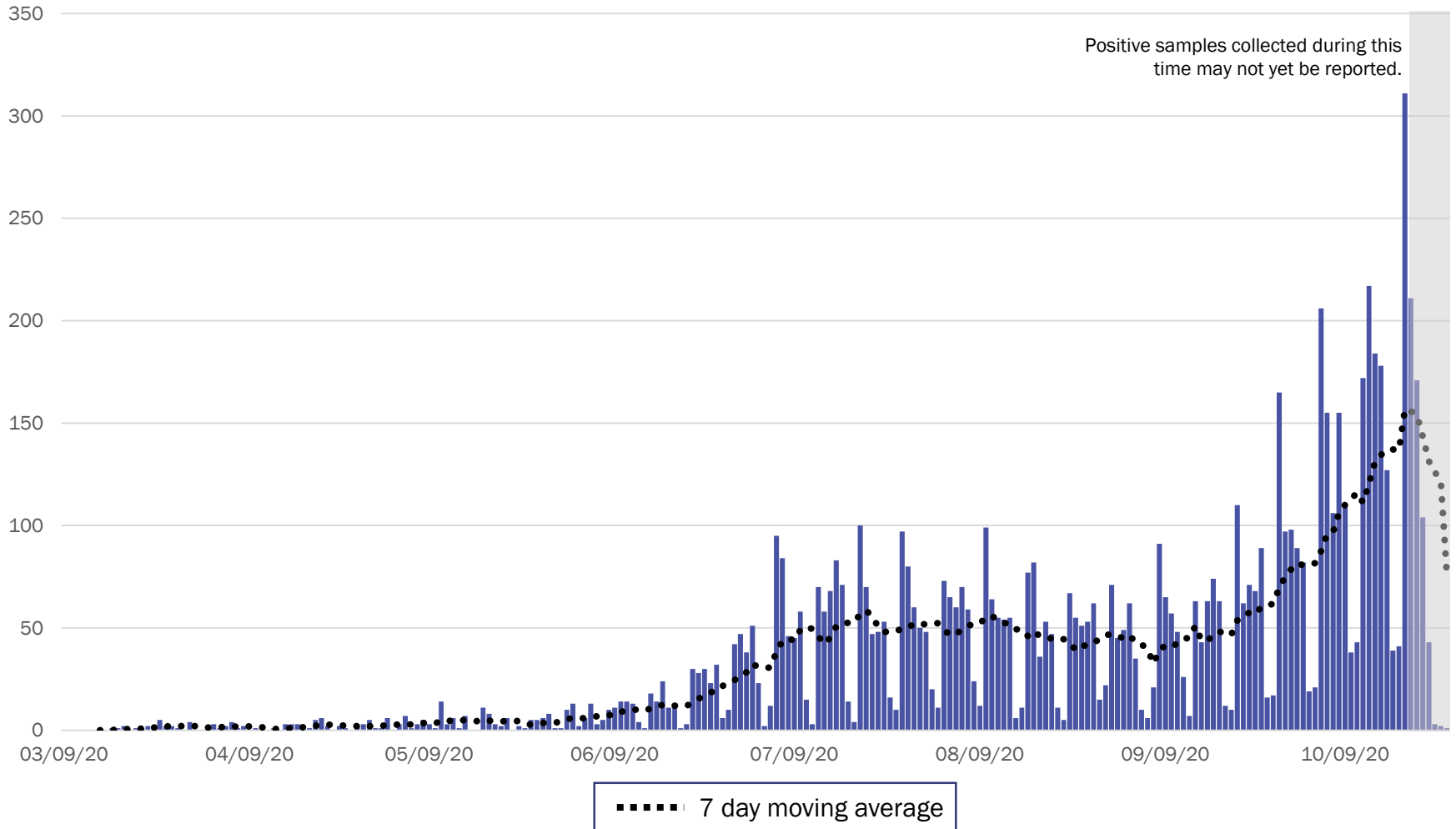
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.



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Southeast Region Case Count by Collection Date with 7 Day Moving Average October 26, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.

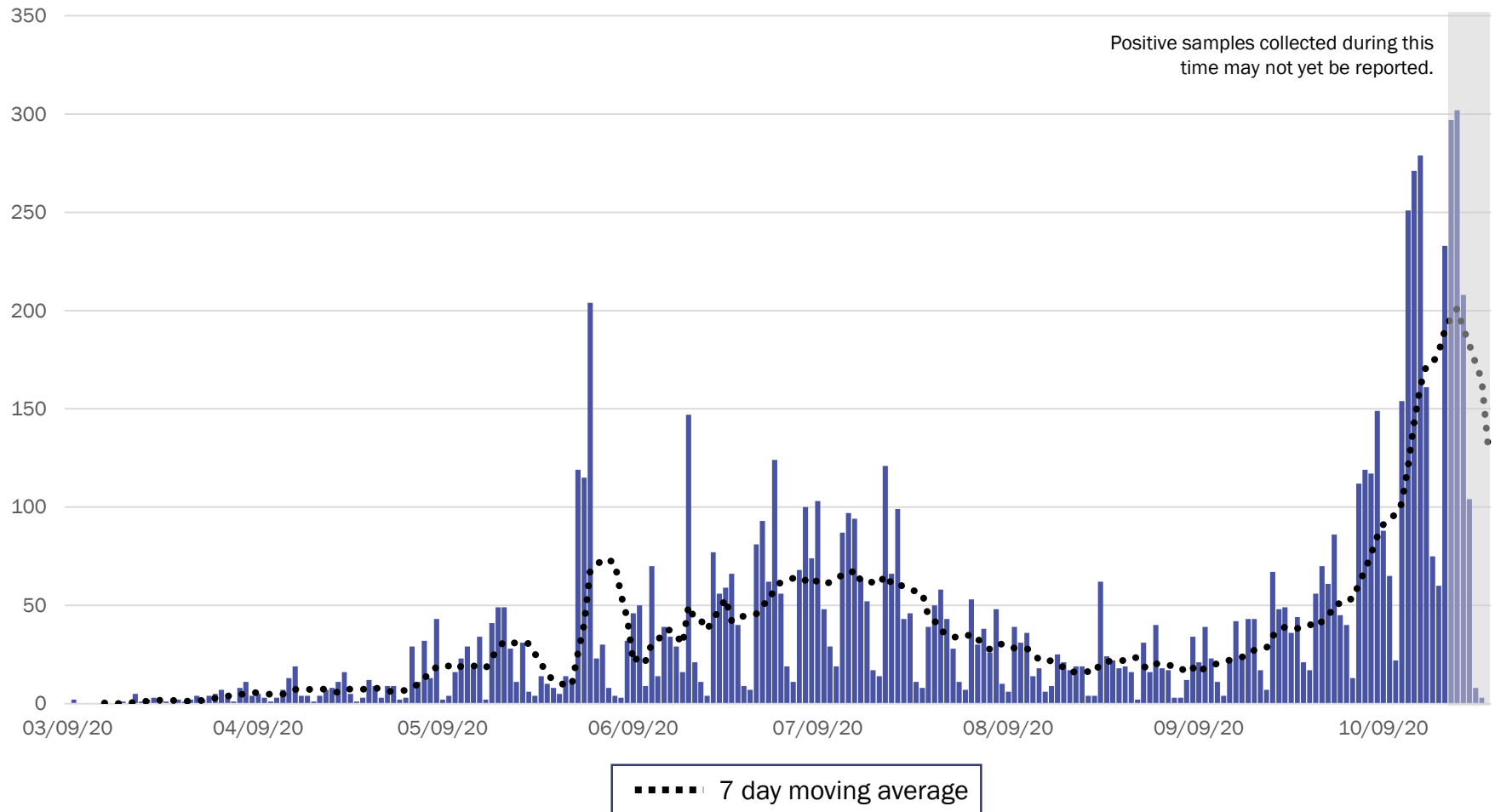


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Southwest Region Case Count by Collection Date with 7 Day Moving Average October 26, 2020



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 10.26.2020, New Mexico Department of Health.



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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 have started to increase.
- Contact tracing: The median time to quarantine for contacts identified last week was approximately 3.1 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 10.26.2020
R_Effective	Actual Measured Daily Value by key county	R_eff=1.2
Positive Test Multiplier	Calculated by LANL	3.2
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.34% ICU 0.18% Vent Rate 48% of ICU Crude Case Fatality Rate 3.2%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days