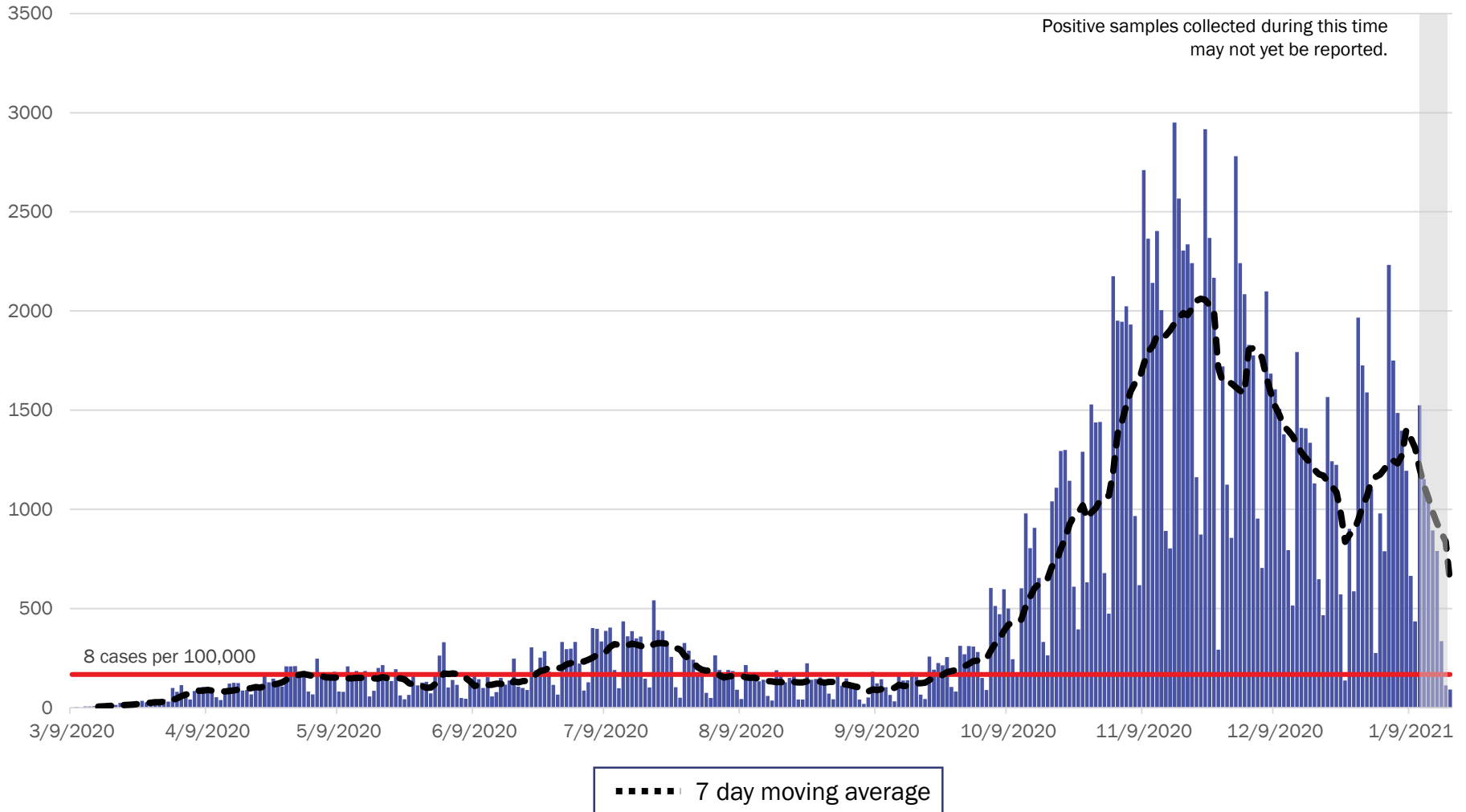


COVID-19 in New Mexico: Epidemiologic and Modeling Update

January 19, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection January 19, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021, New Mexico Department of Health.

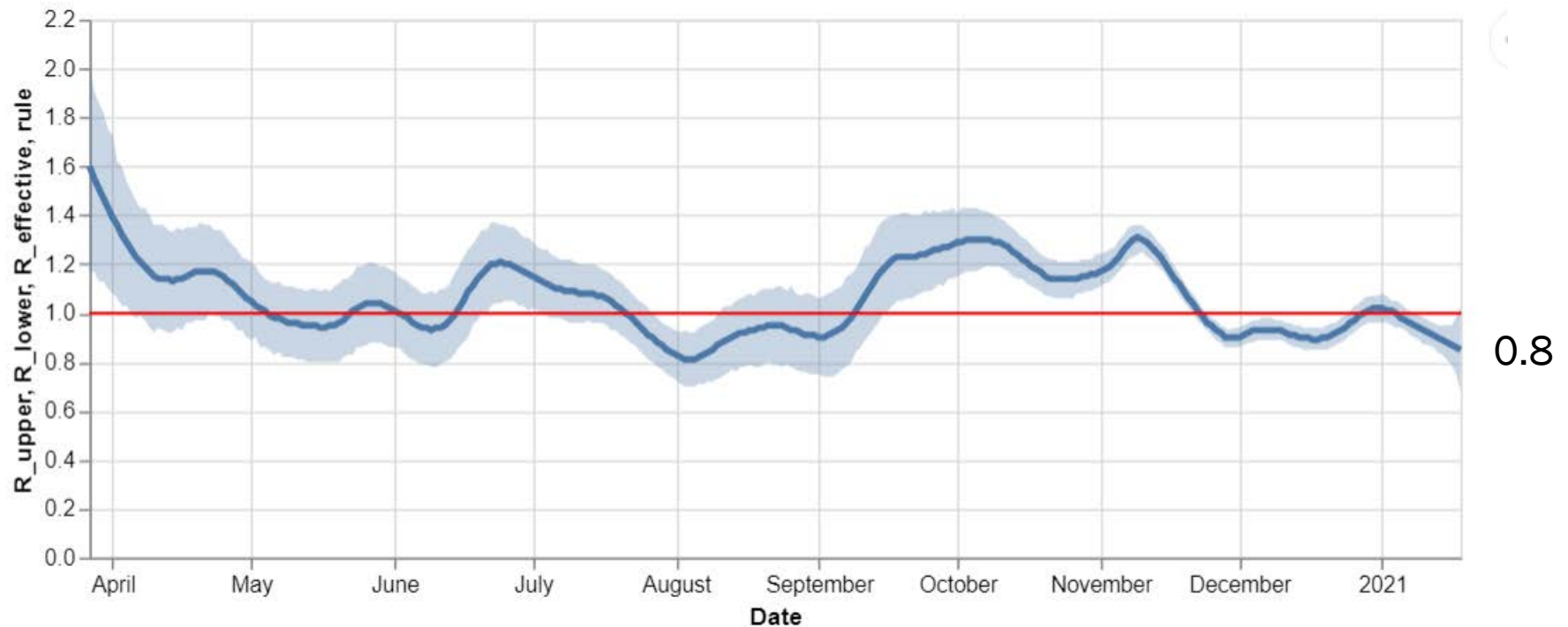


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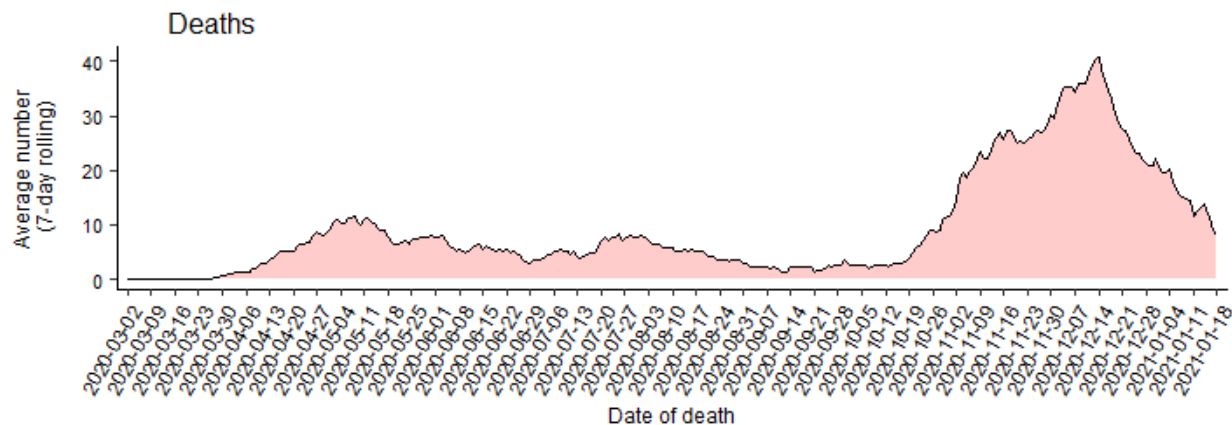
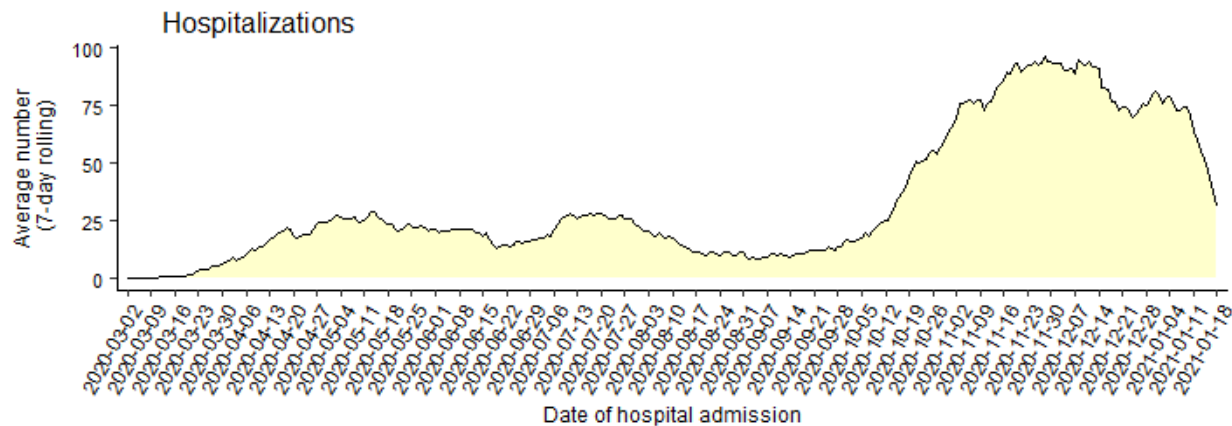
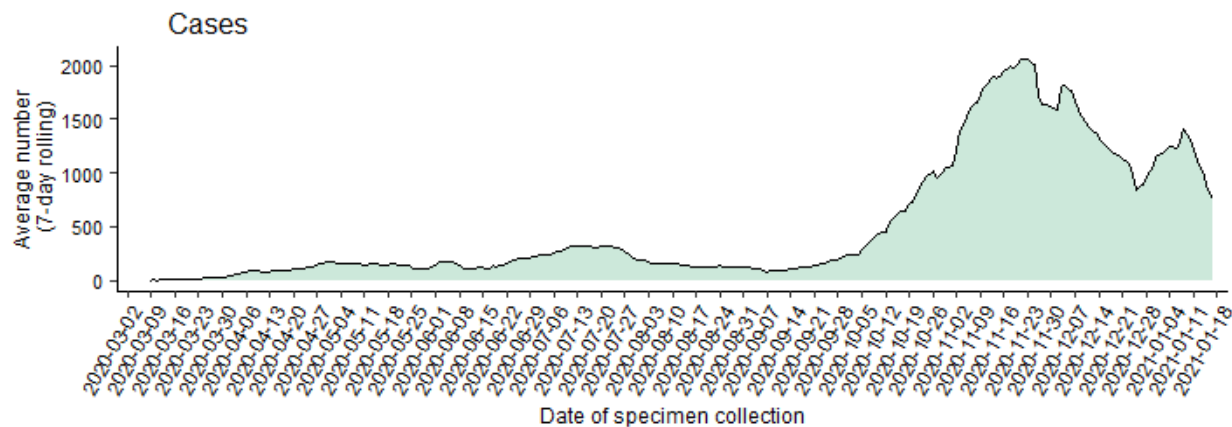
Statewide R-effective has decreased to 0.8.

R_effective over time, STATE



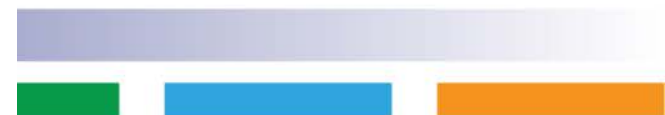
Courtesy of Presbyterian Healthcare Services – January 18, 2021.

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



Note: Cases, hospitalizations, and deaths may not yet be reported in 7 or more days.

As of 1/18/21



Key

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

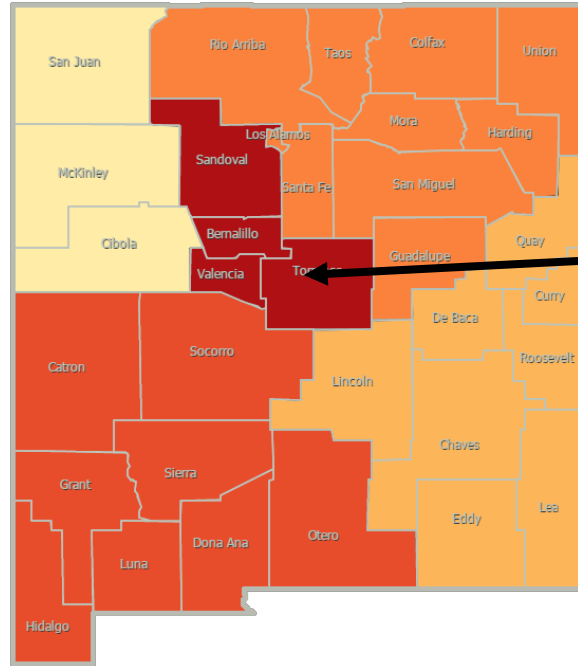
Northwest
R_effective 0.8 ↓

Northeast
R_effective 0.9 ↓

Metro
R_effective 0.8 ↓

Southwest
R_effective 0.9 ↓

Southeast
R_effective 0.8 ↓



As of January 11, 2021

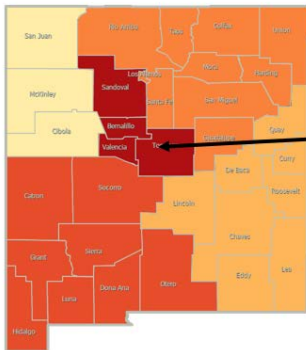
Northwest
R_effective 1.1 ↑

Northeast
R_effective 1.3 ↑

Metro
R_effective 1.1 ↑

Southwest
R_effective 1.2 ↑

Southeast
R_effective 1.1 ↑



Region	R-effective	95% Confidence Interval
State	0.8	[0.7, 1.0]
Metro	0.8	[0.5, 1.2]
Northeast	0.9	[0.5, 1.5]
Northwest	0.8	[0.3, 1.3]
Southeast	0.8	[0.4, 1.3]
Southwest	0.9	[0.5, 1.4]

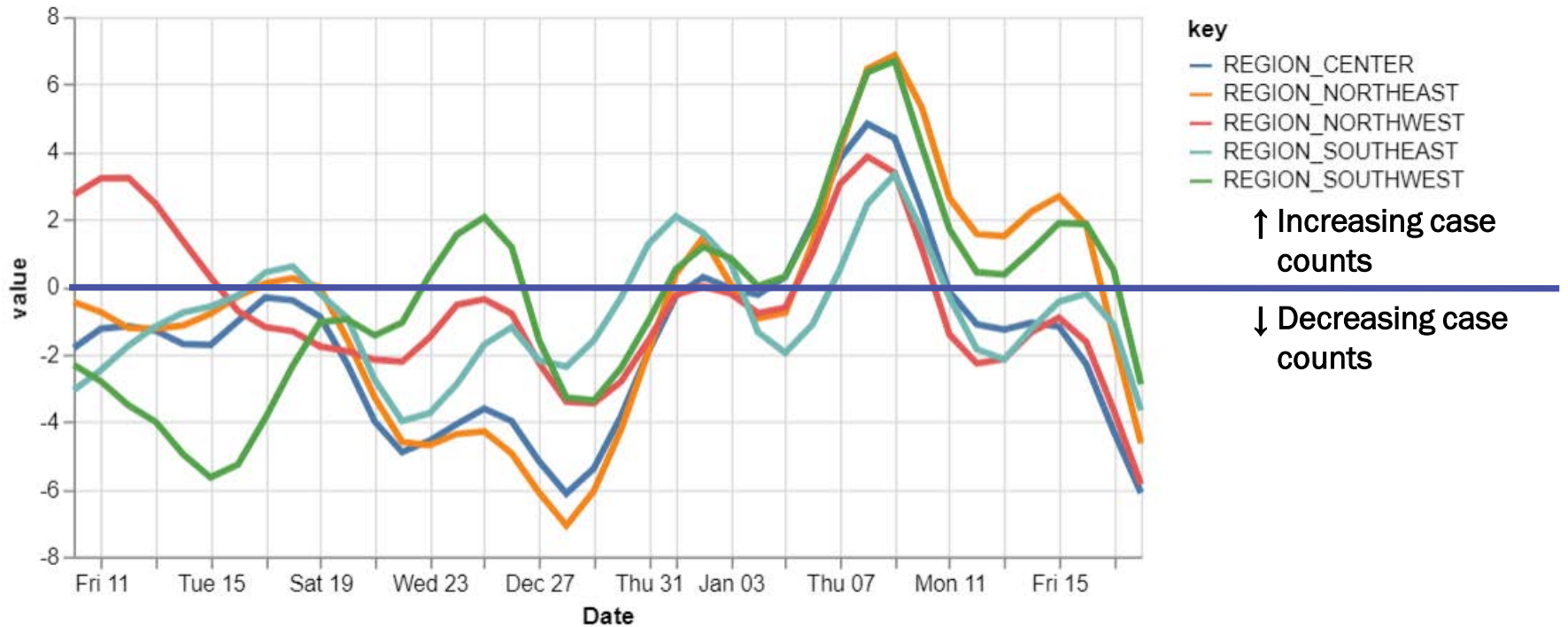
Courtesy of Presbyterian Healthcare Services – January 18, 2021.



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All five regions have growth below 0.

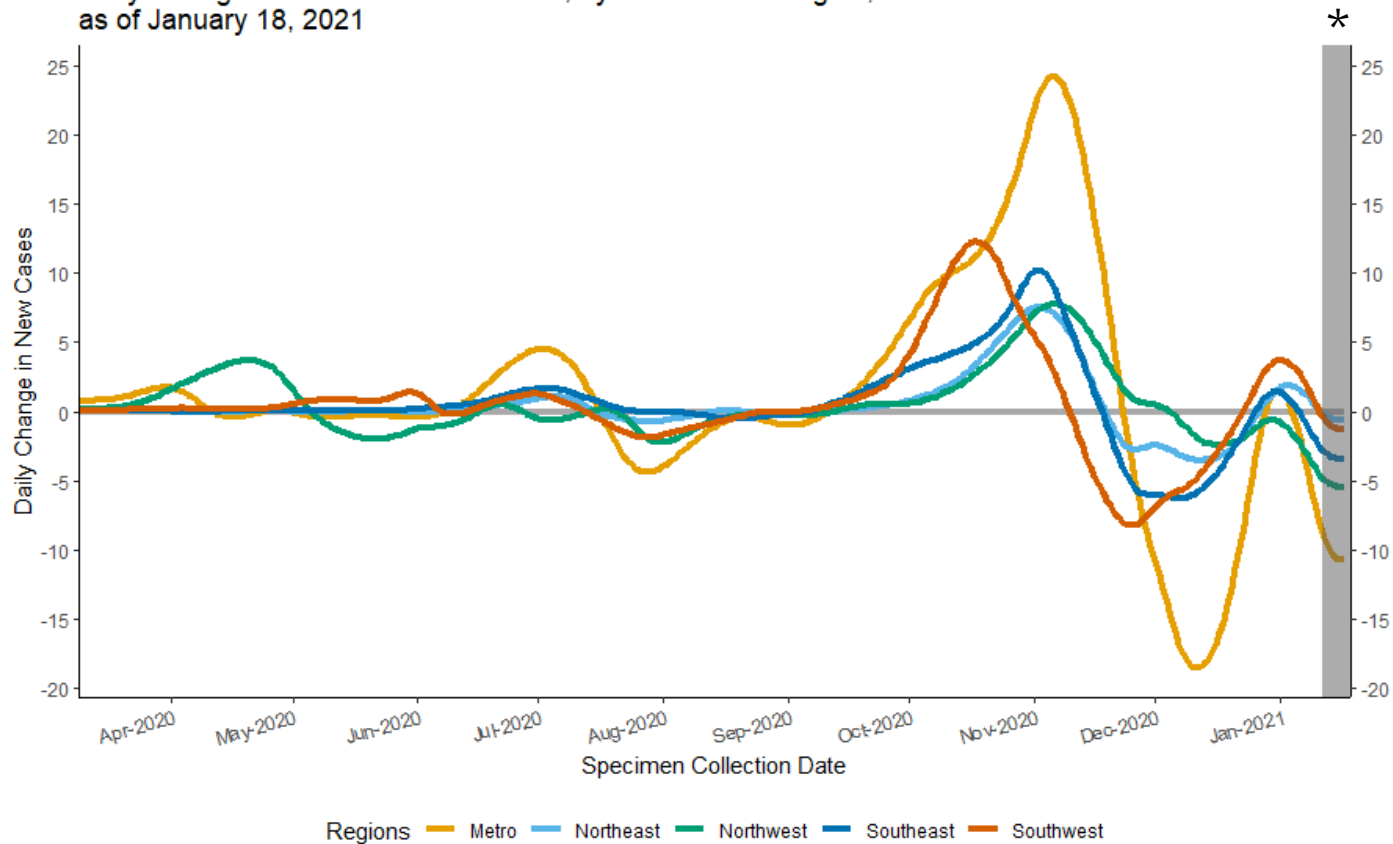
14-day relative growth rate (%), Regions



Courtesy of Presbyterian Healthcare Services – January 18, 2021.

Epidemic Growth Acceleration

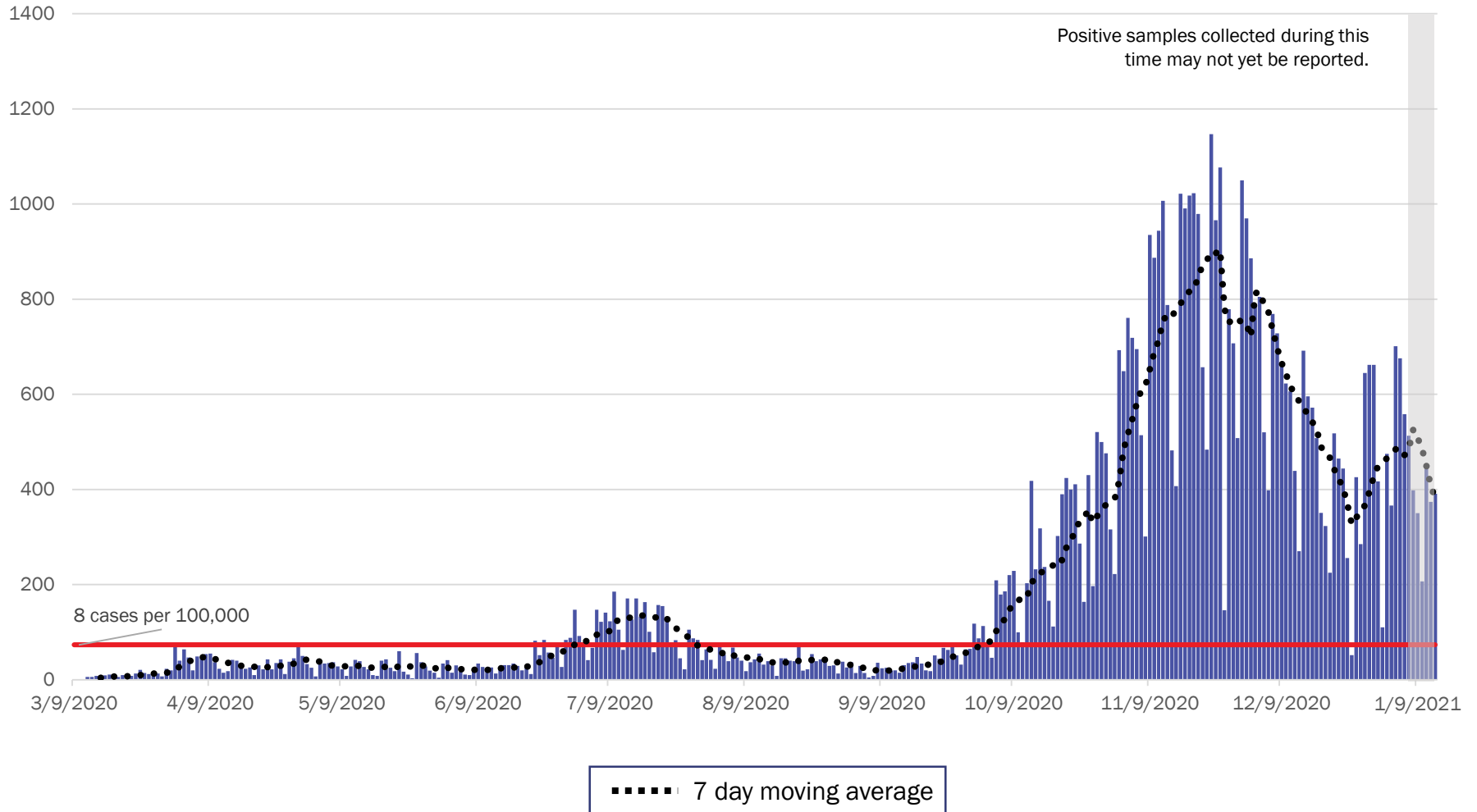
Daily Change in New COVID-19 Cases, by New Mexico Region, as of January 18, 2021



*Positive specimens collected in the last 7 or more days may not yet be reported to NMDOH. Case counts and growth acceleration during this time are underestimated.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.18.2021, New Mexico Department of Health.

Metro Region Case Count by Collection Date with 7 Day Moving Average January 19, 2021



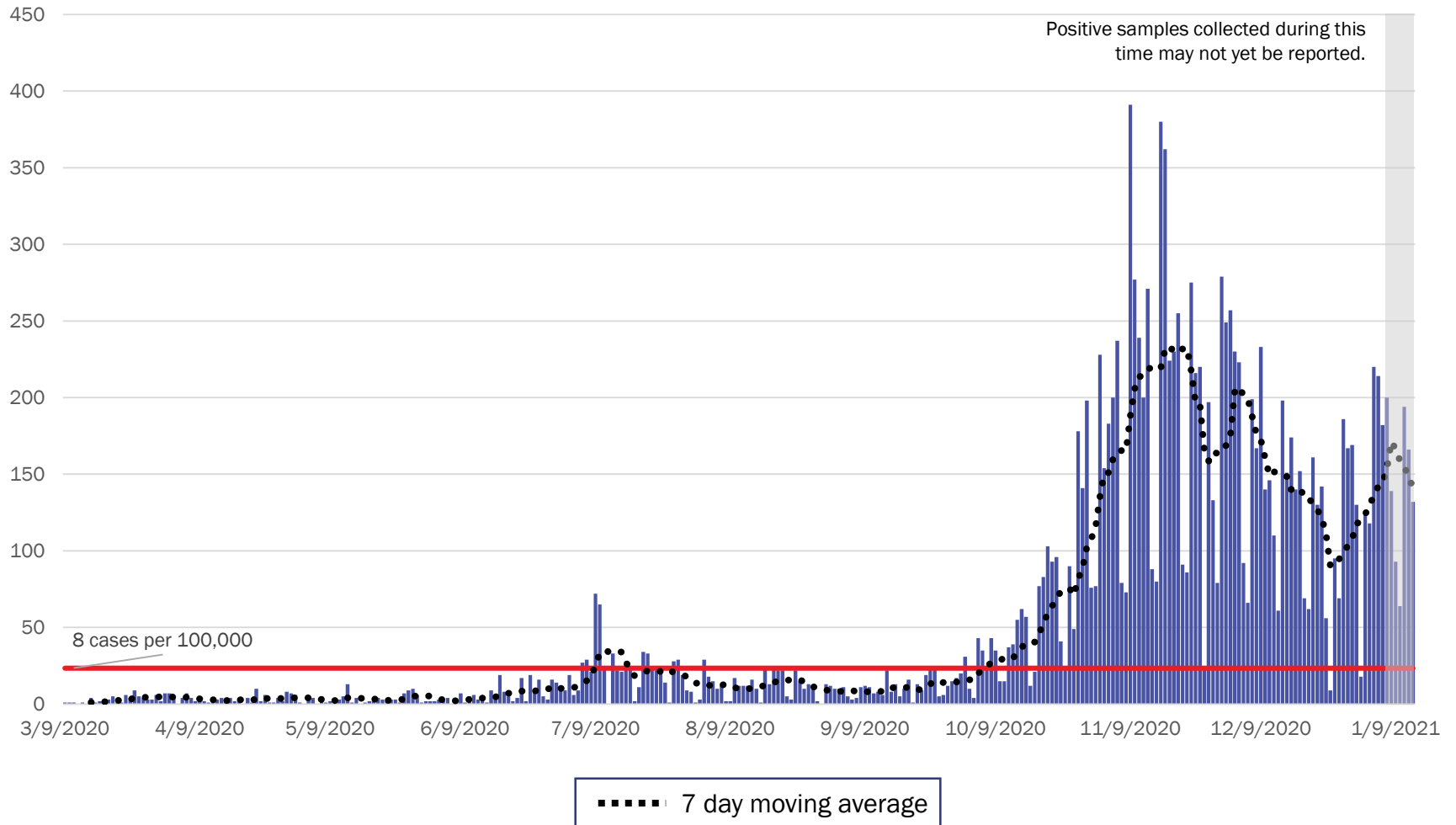
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average January 19, 2021



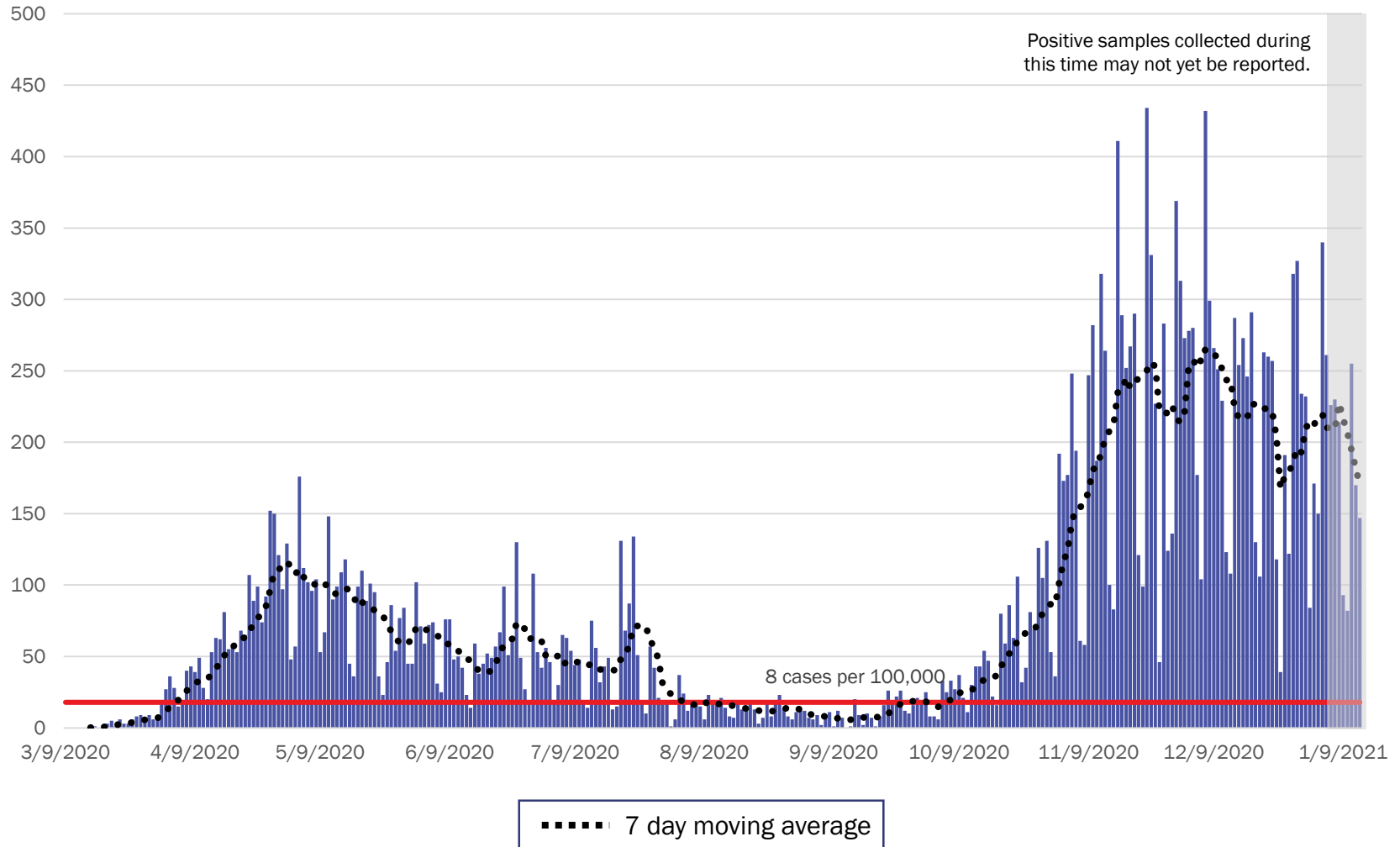
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021 New Mexico Department of Health.



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Northwest Region Case Count by Collection Date with 7 Day Moving Average January 19, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021, New Mexico Department of Health.

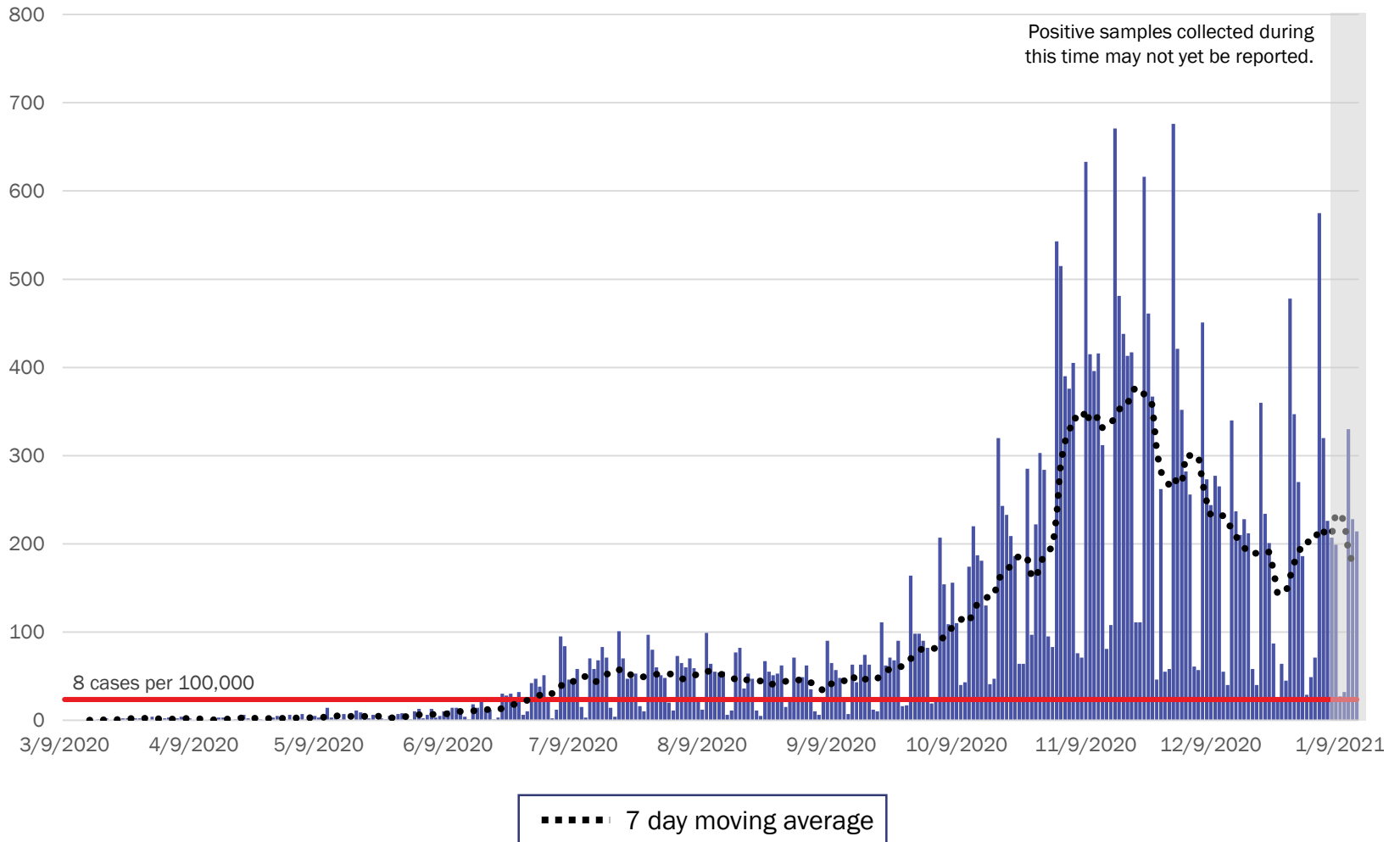


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Southeast Region Case Count by Collection Date with 7 Day Moving Average January 19, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021, New Mexico Department of Health.

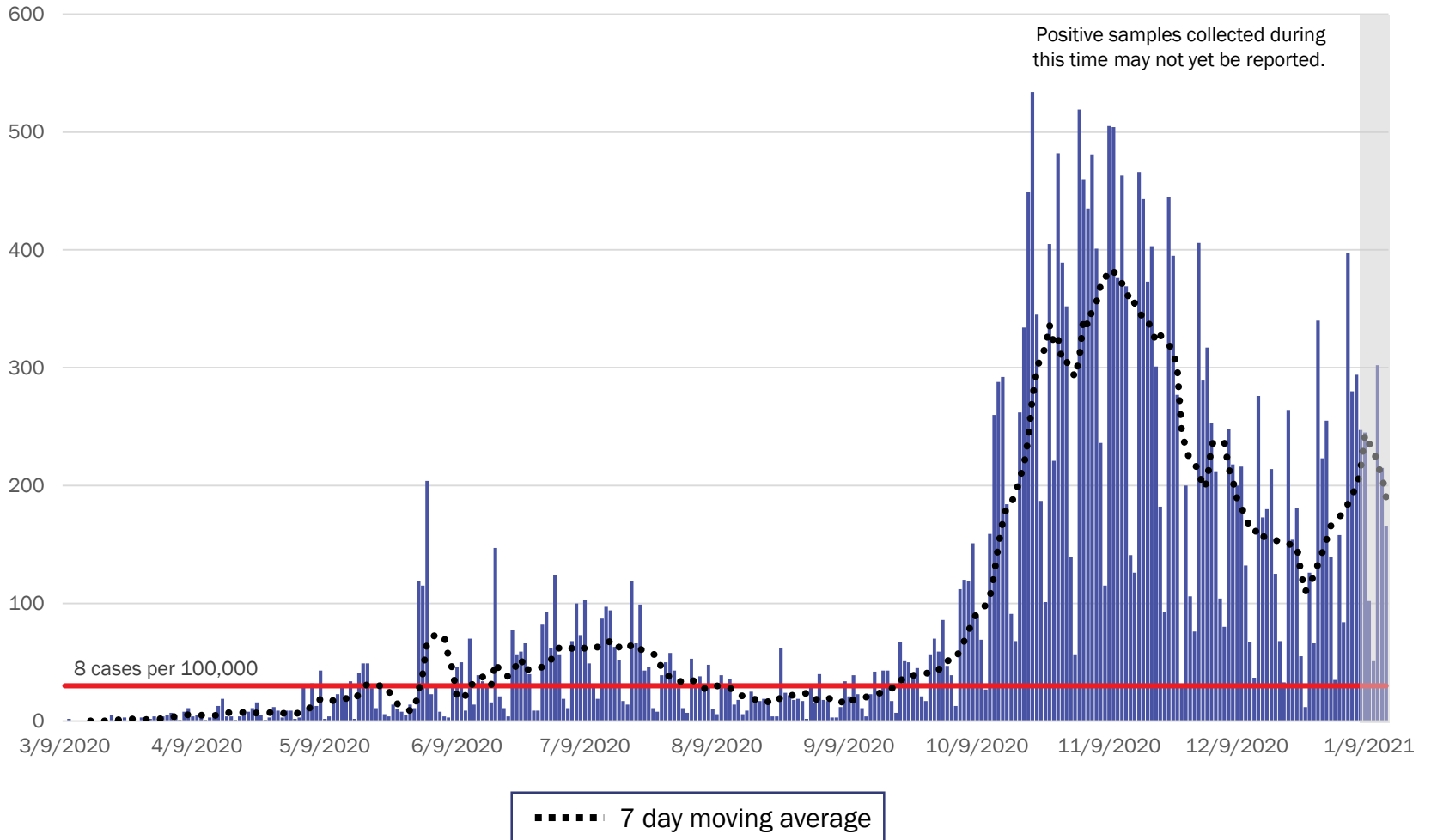


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Southwest Region Case Count by Collection Date with 7 Day Moving Average January 19, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 1.19.2021, New Mexico Department of Health.



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New Mexico Status Updates

- Case count: Statewide, daily case counts may be beginning to decline.
- Hospitalizations: Hospitalizations remain high, but appear to be declining.
- Deaths: Weekly COVID-19 deaths remain high, but appear to be declining.

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 1.11.2021
R_Effective	Actual Measured Daily Value by key county	R_eff=1.1
Positive Test Multiplier	Calculated by LANL	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.32% ICU 0.12% Vent Rate 67% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Actual rolling value / estimated number of total infected	Medical 5 days ICU 14 days ICU on Vent 14 days