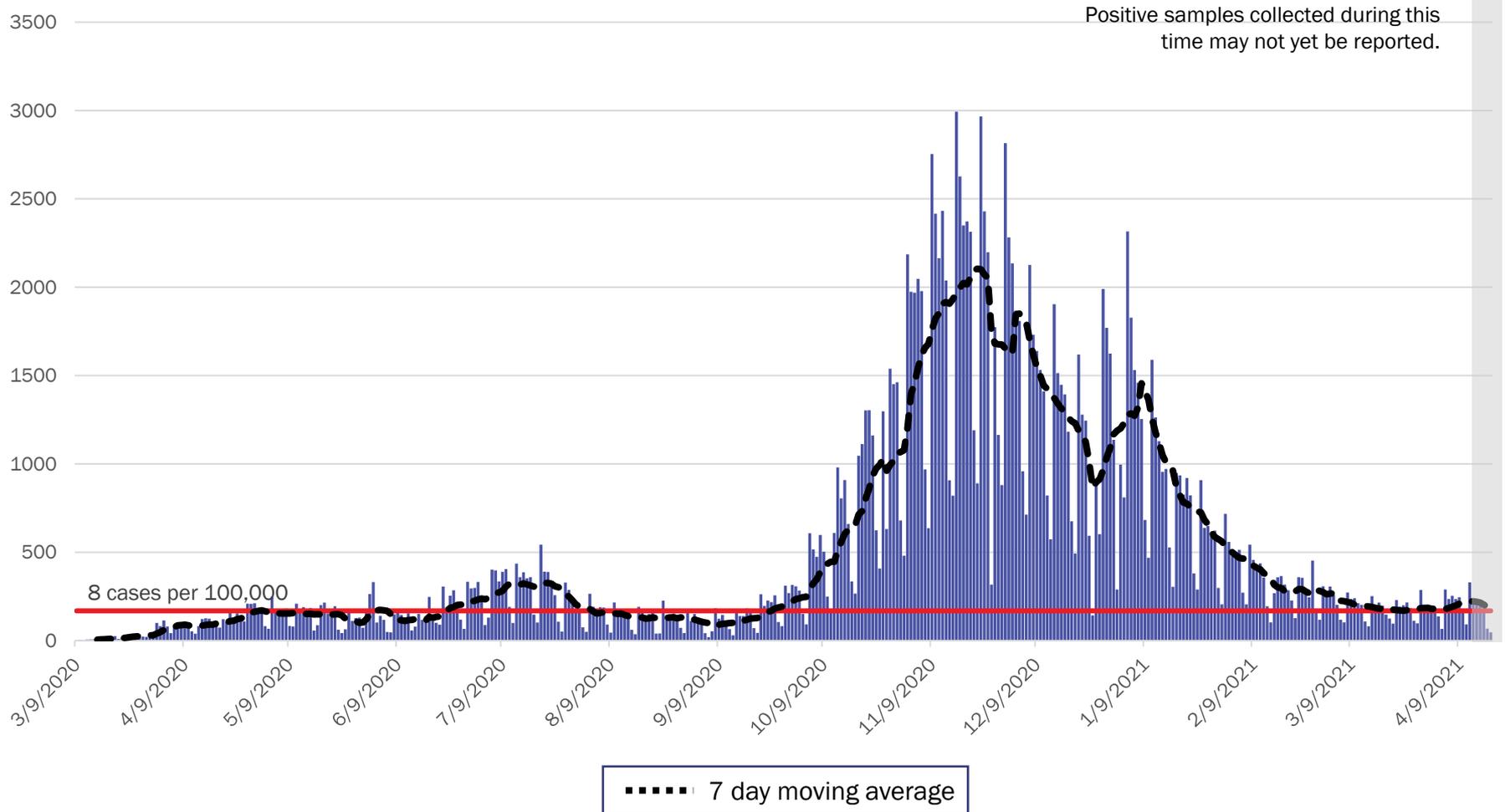


COVID-19 in New Mexico: Epidemiologic and Modeling Update

April 19, 2021

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



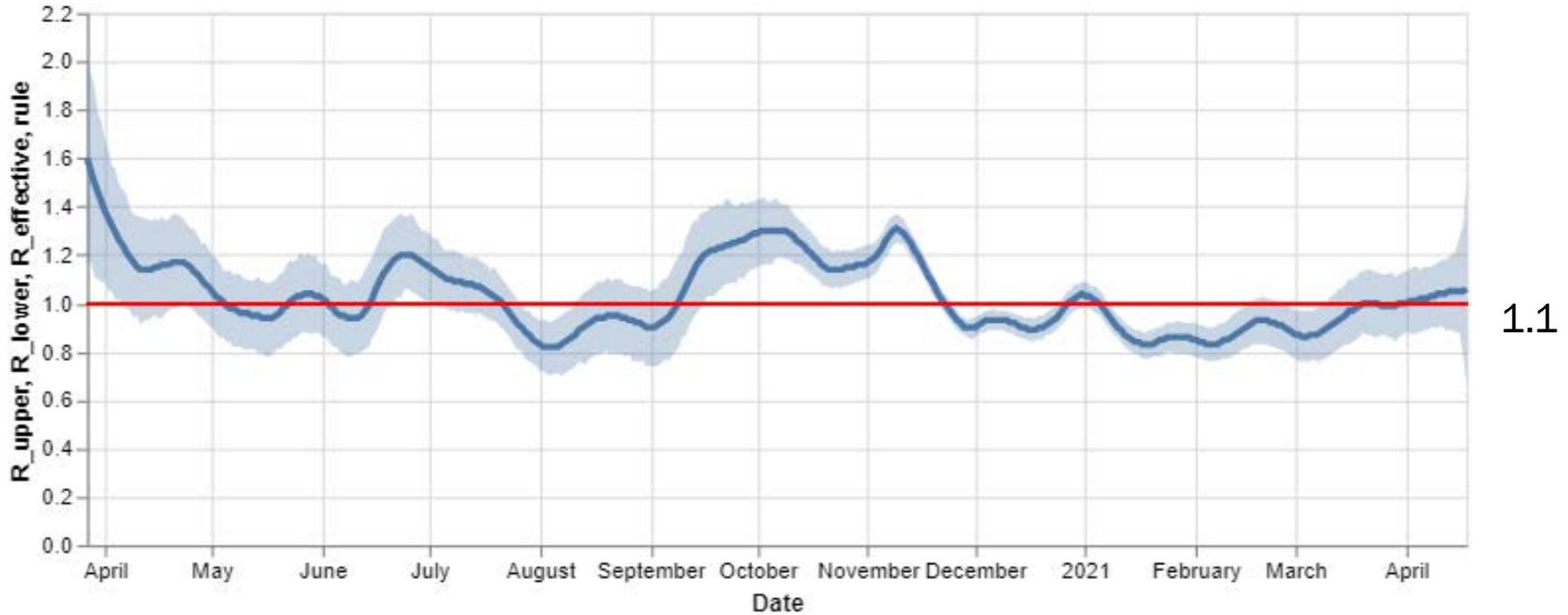
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.



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Statewide R-effective is 1.1, no change from 4.5.2021



1.1

Courtesy of Presbyterian Healthcare Services – April 19, 2021.

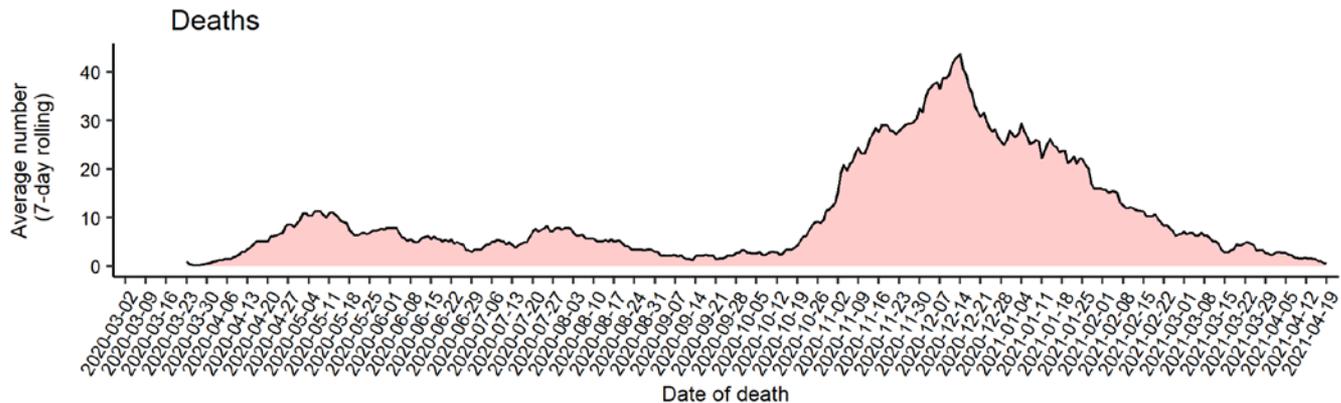
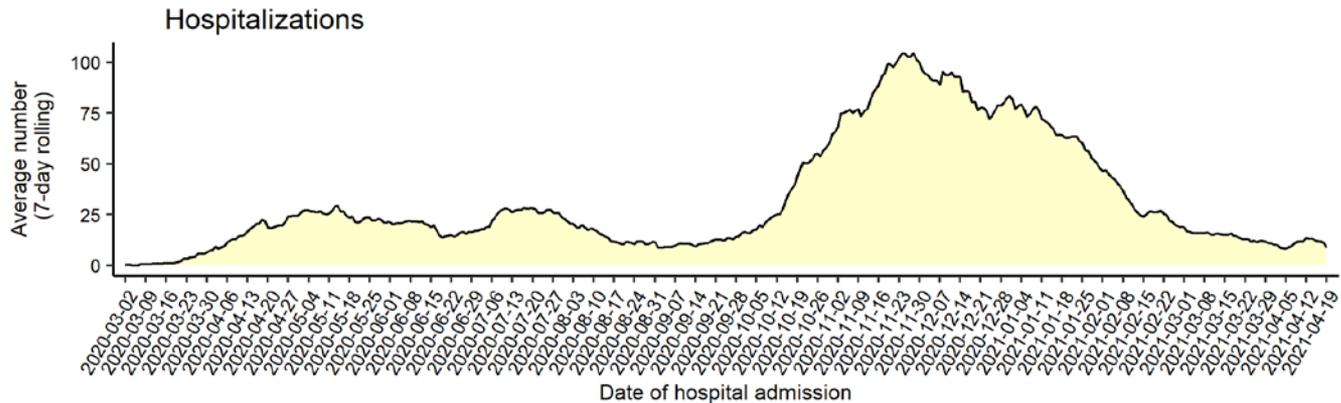
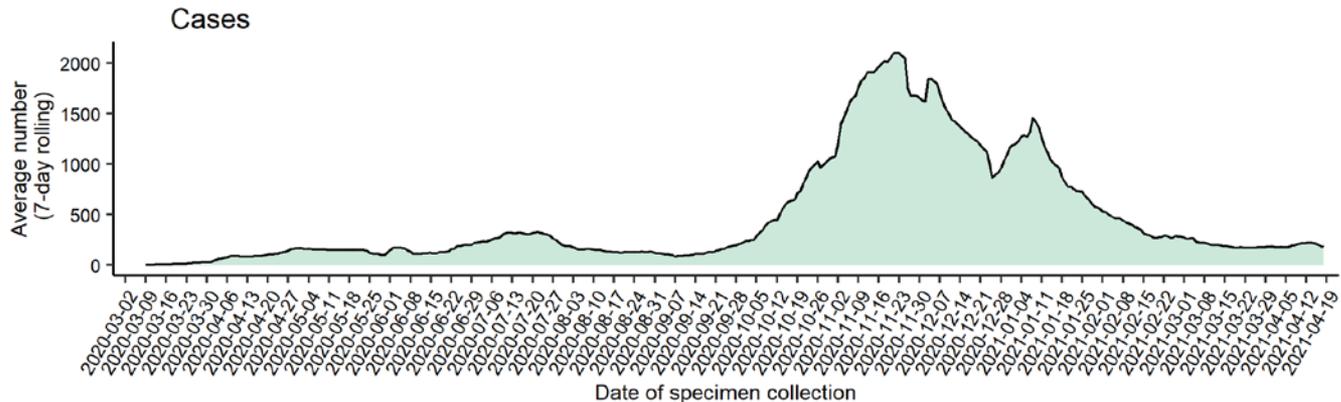


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Average number (7-day rolling average) of cases, hospitalizations, and deaths over time



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

As of 4/19/21



Key

Low Level Endemic
 <1.0

Approaching Low Level Endemic
 1.0

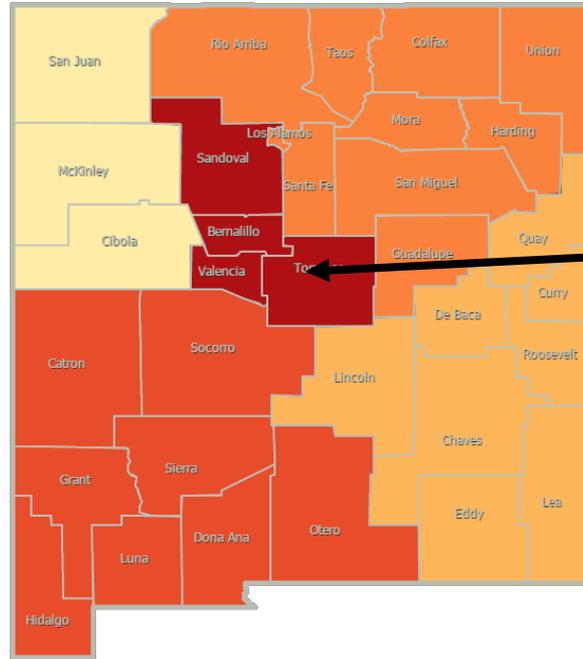
Requiring further mitigation
 >1.0

Northwest

$R_{\text{effective}} 1.2 =$

Northeast

$R_{\text{effective}} 1.1 \uparrow$



Metro

$R_{\text{effective}} 1.0 \downarrow$

Southwest

$R_{\text{effective}} 1.0 =$

Southeast

$R_{\text{effective}} 1.2 \uparrow$

As of April 5, 2021

Northwest

$R_{\text{effective}} 1.2 \downarrow$

Northeast

$R_{\text{effective}} 1.0 \uparrow$

Metro

$R_{\text{effective}} 1.2 \uparrow$

Southwest

$R_{\text{effective}} 1.0 \uparrow$

Southeast

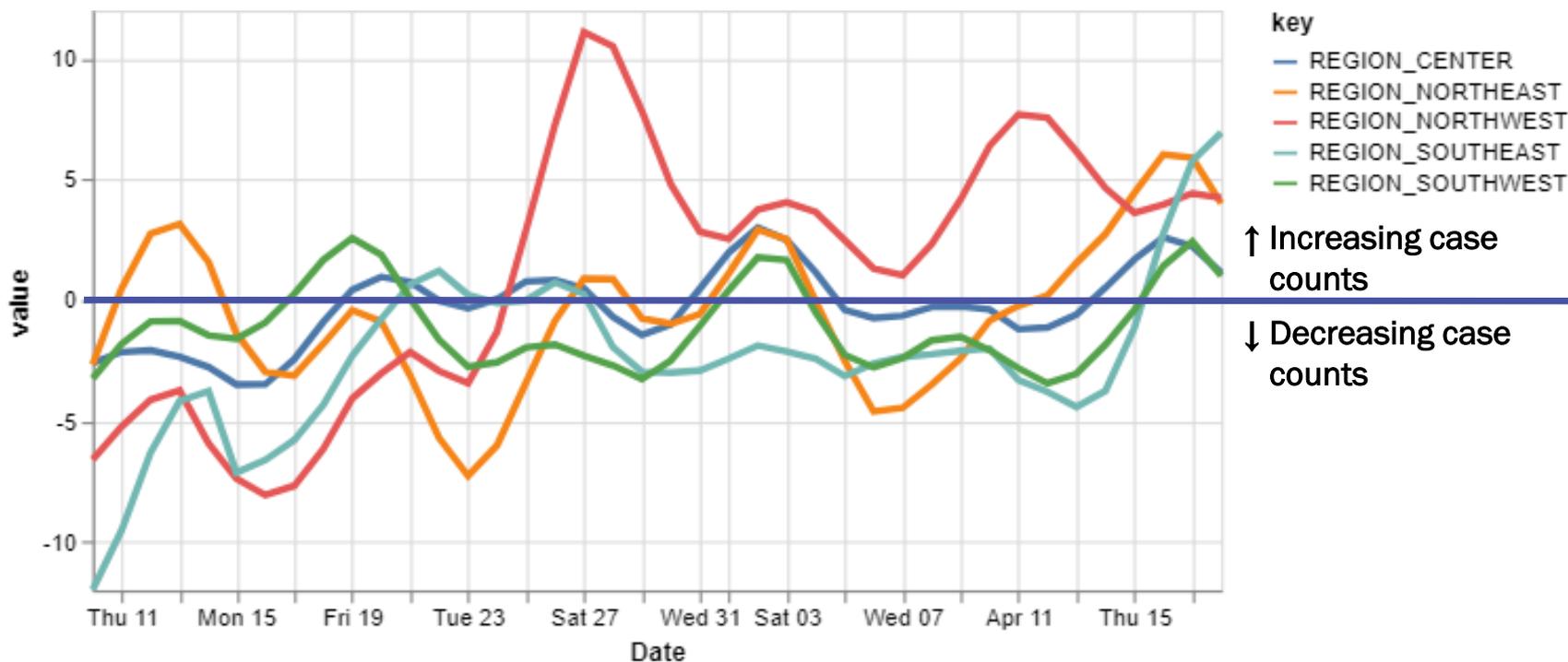
$R_{\text{effective}} 1.1 \downarrow$

Region	R-effective	95% Confidence Interval
State	1.1	[0.7, 1.5]
Metro	1.0	[0.4, 1.7]
Northeast	1.1	[0.0, 2.6]
Northwest	1.2	[0.0, 2.5]
Southeast	1.2	[0.0, 2.7]
Southwest	1.0	[0.3, 2.0]

Courtesy of Presbyterian Healthcare Services – April 19, 2021.

All regions have growth rates above 0.

14-day relative growth rate (%), Regions

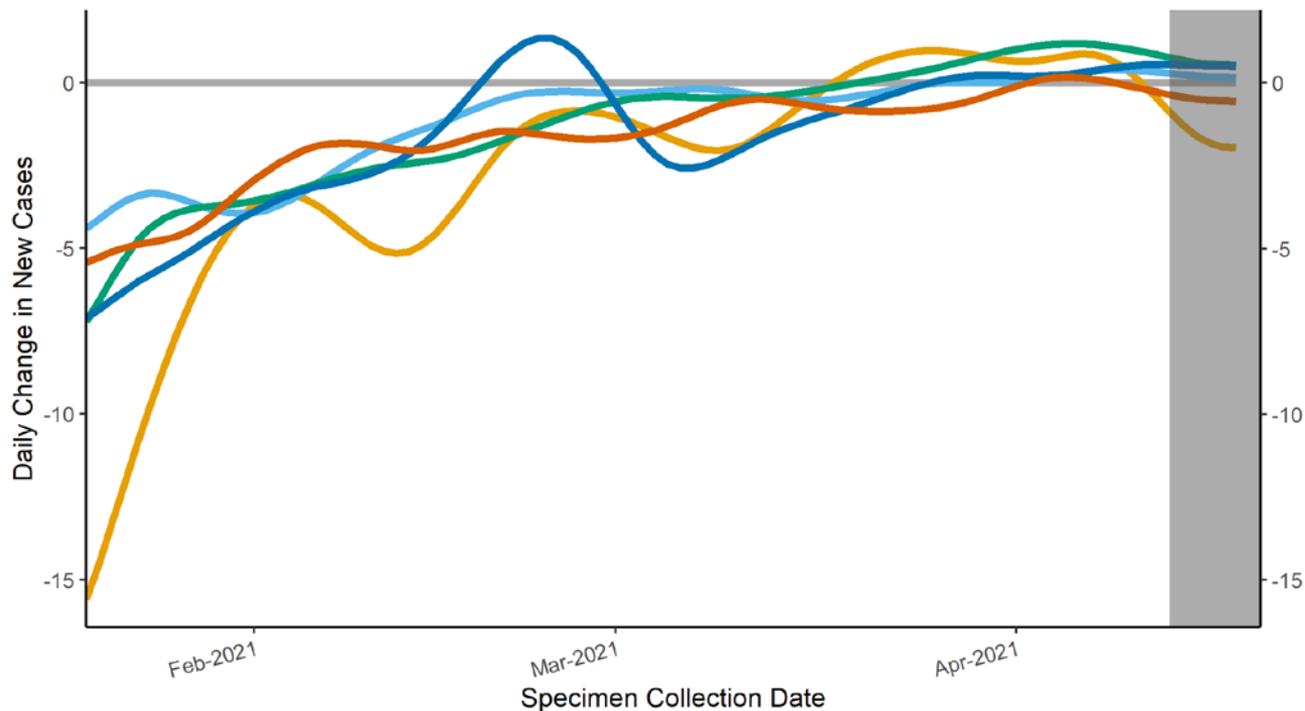


↑ Increasing case counts
↓ Decreasing case counts

Courtesy of Presbyterian Healthcare Services – April 19, 2021.

Epidemic Growth Acceleration

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



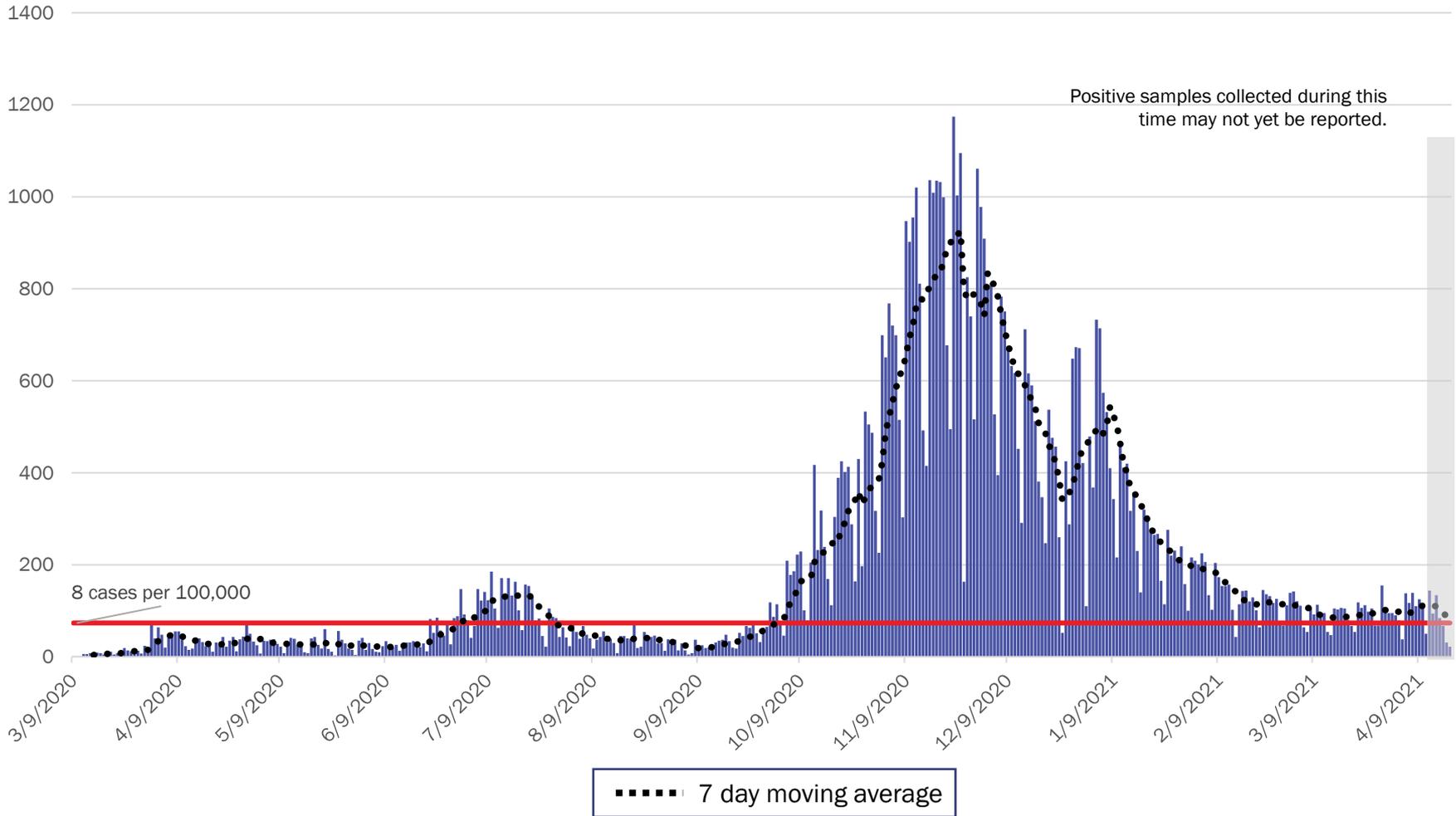
Region	Growth Acceleration April 12, 2021
Metro	-0.5
Northeast	0.3
Northwest	0.8
Southeast	0.5
Southwest	-0.3

Regions ■ Metro ■ Northeast ■ Northwest ■ Southeast ■ Southwest

*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 4.19.2021, New Mexico Department of Health.

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



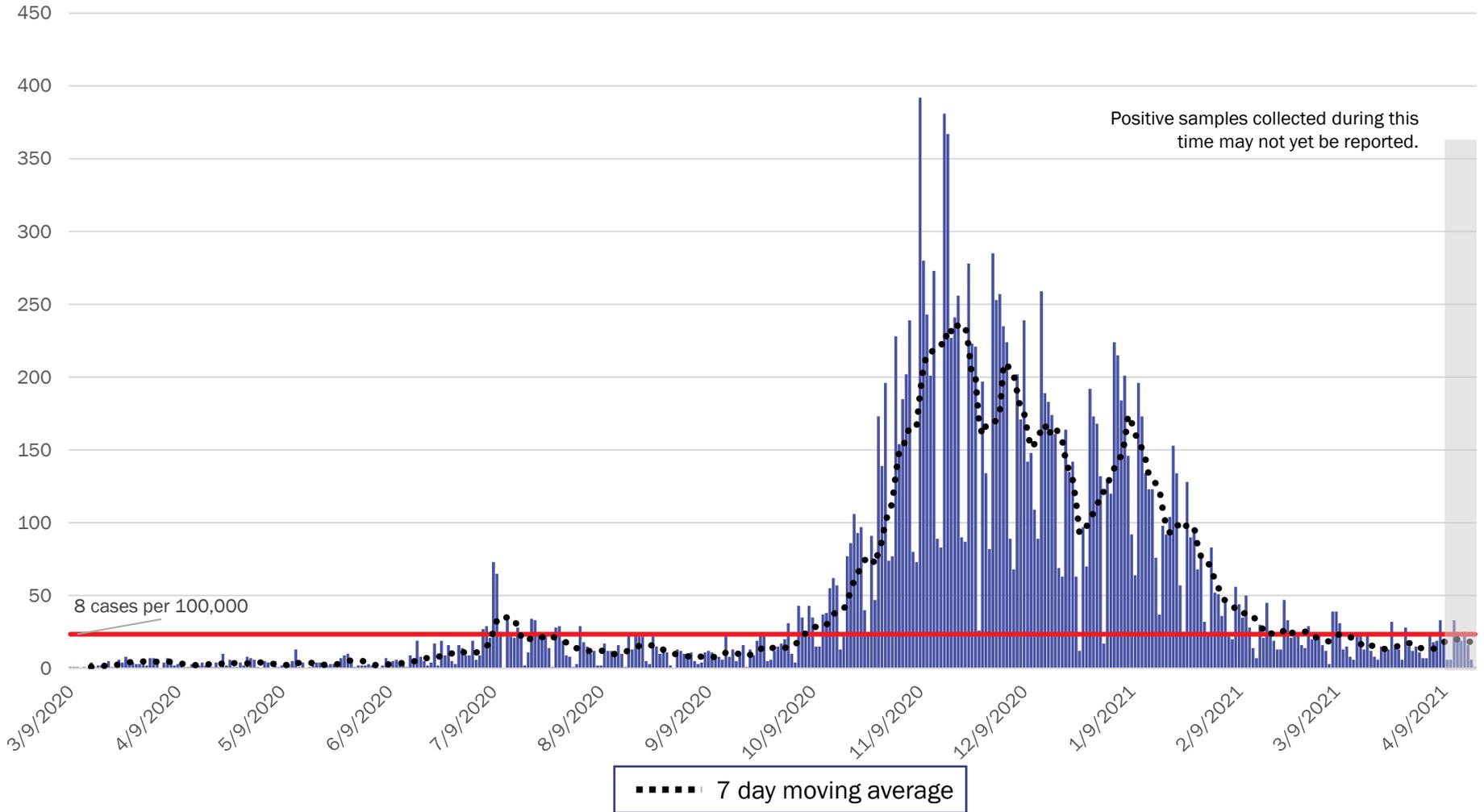
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.



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



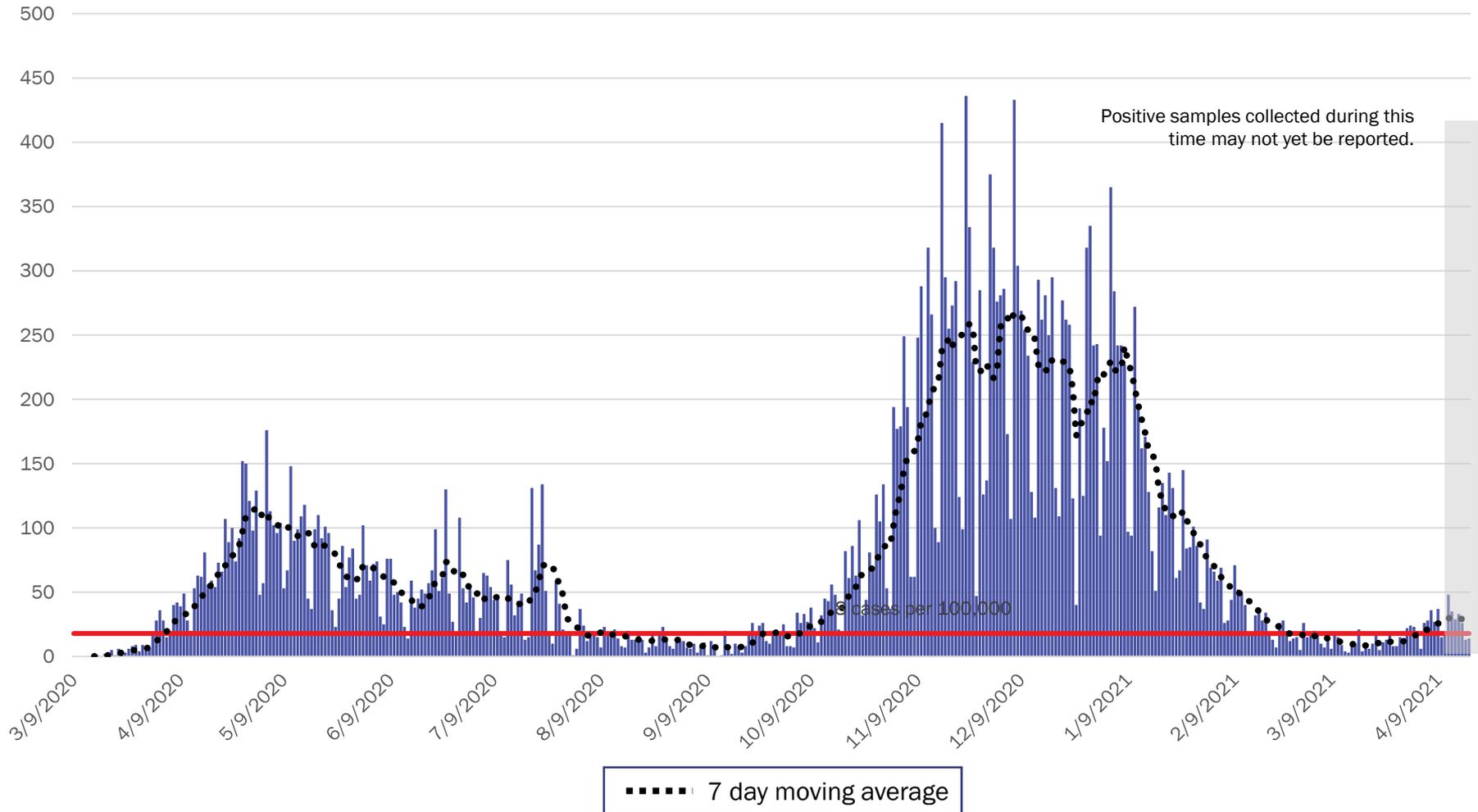
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.



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



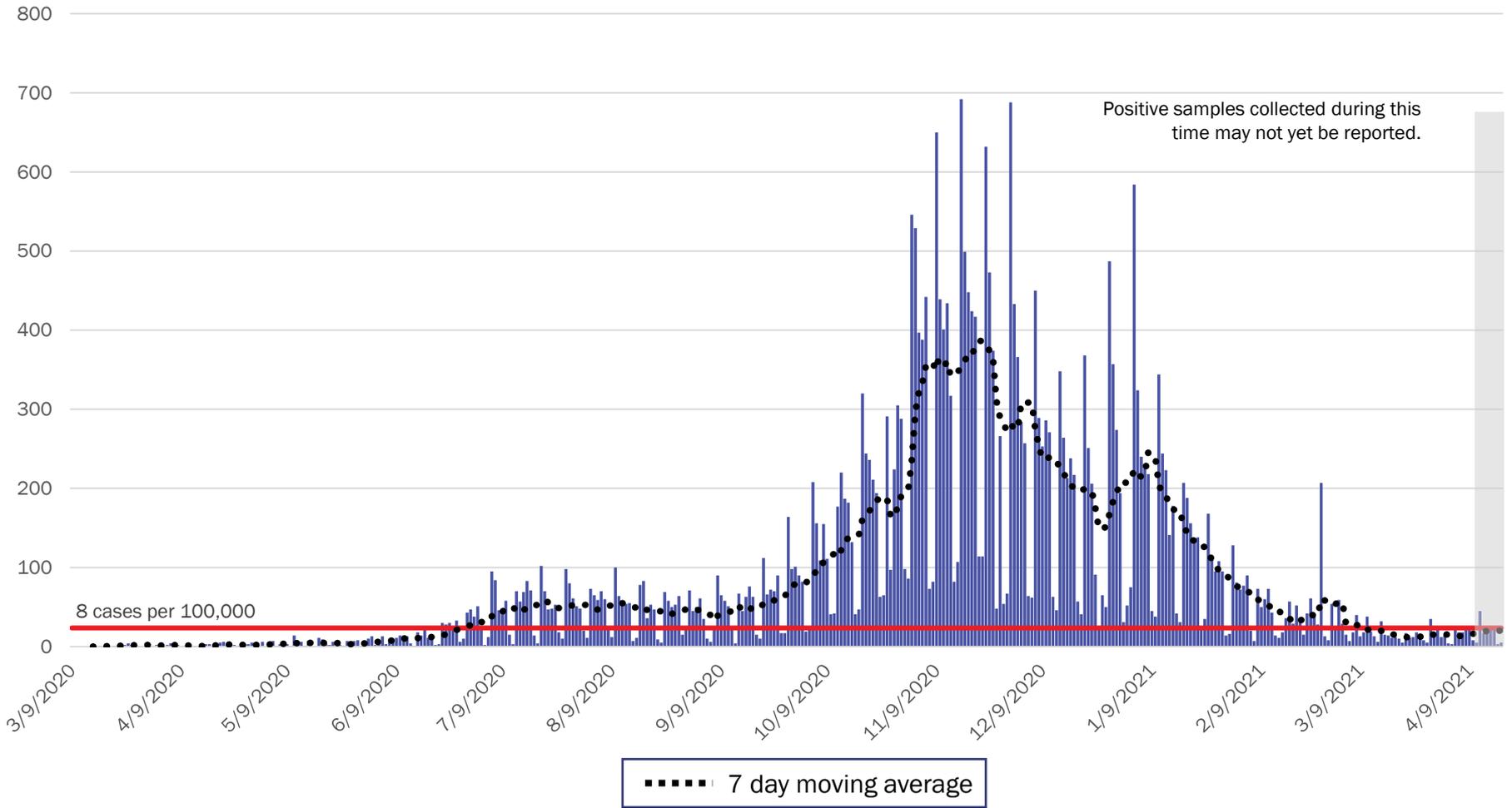
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.



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



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.

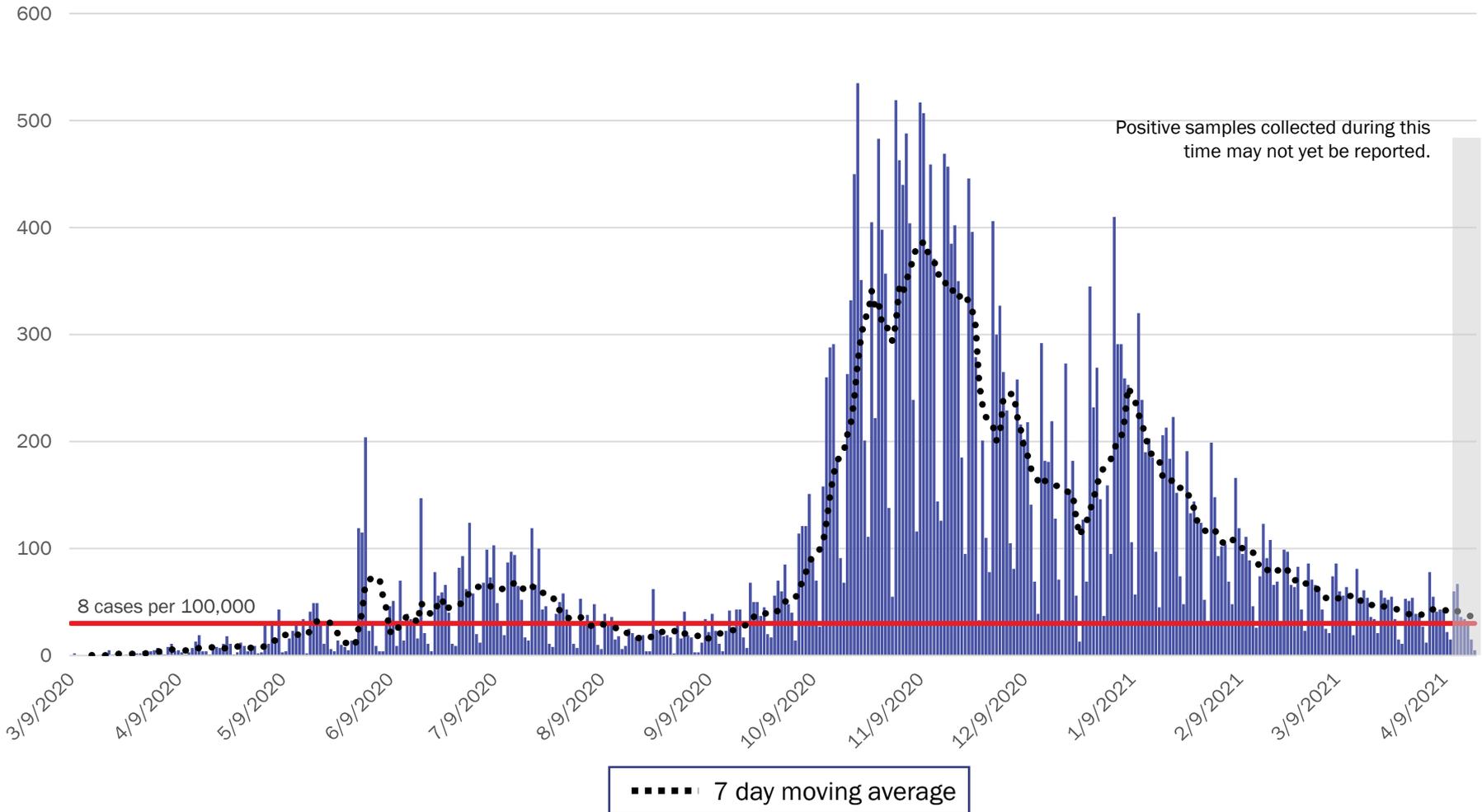


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Southwest Region Case Count by Collection Date with 7 Day Moving Average April 19, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.19.2021, New Mexico Department of Health.



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New Mexico Status Updates

- Case count: Statewide, daily case counts may have reached a plateau.
- Hospitalizations: The decline in hospitalizations may be slowing.
- Deaths: The decline in COVID-19 deaths may be slowing.

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 4.19.2021
R_Effective	Actual Measured Daily Value by key county Calculated by PHS	R_eff=1.1
Positive Test Multiplier	Calculated by PHS	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected Calculated by PHS	Medical 4.10% ICU 2.01% Vent Rate 52% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Assumed values	Medical 5 days ICU 14 days ICU on Vent 14 days