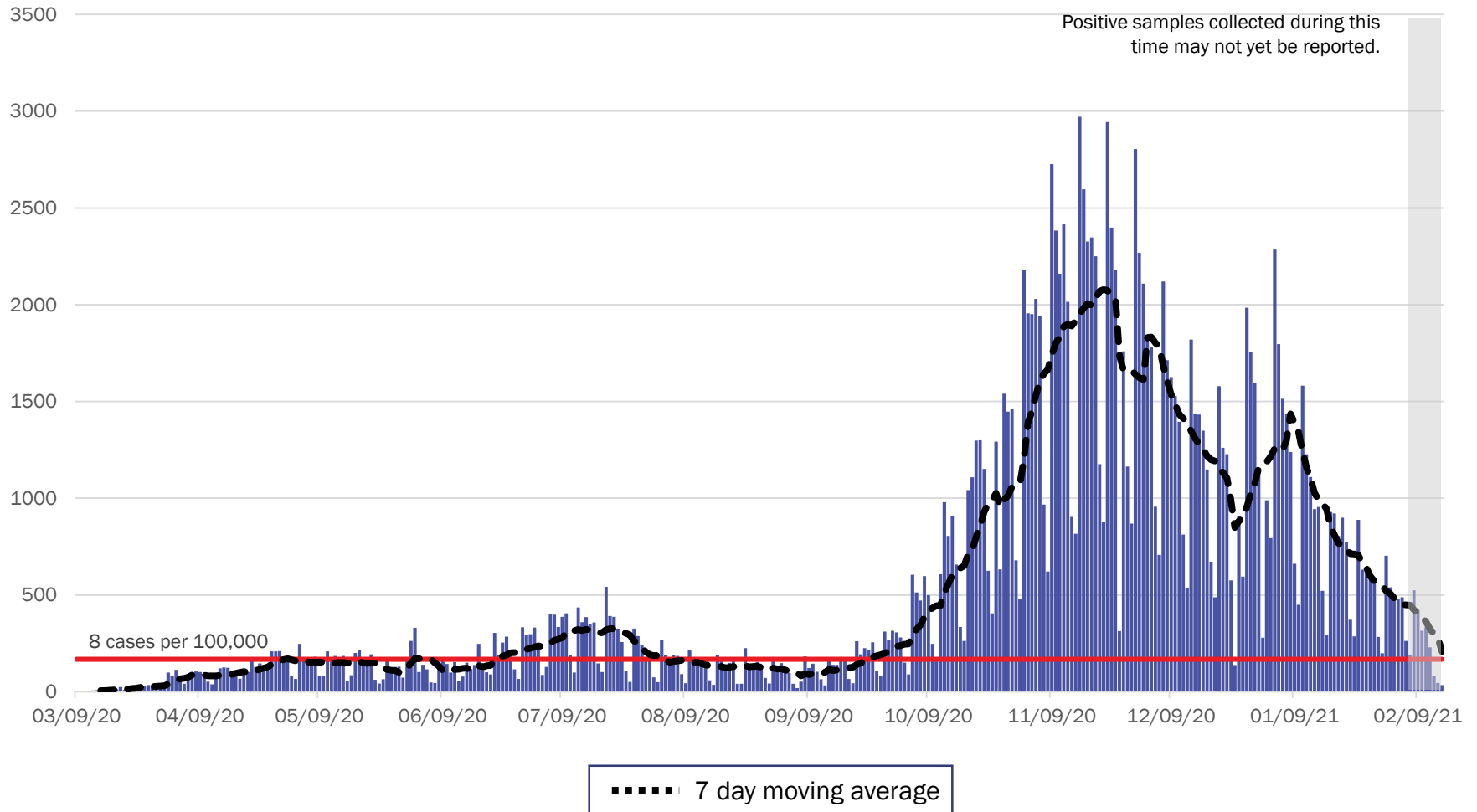


COVID-19 in New Mexico: Epidemiologic and Modeling Update

February 16, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection February 16, 2021



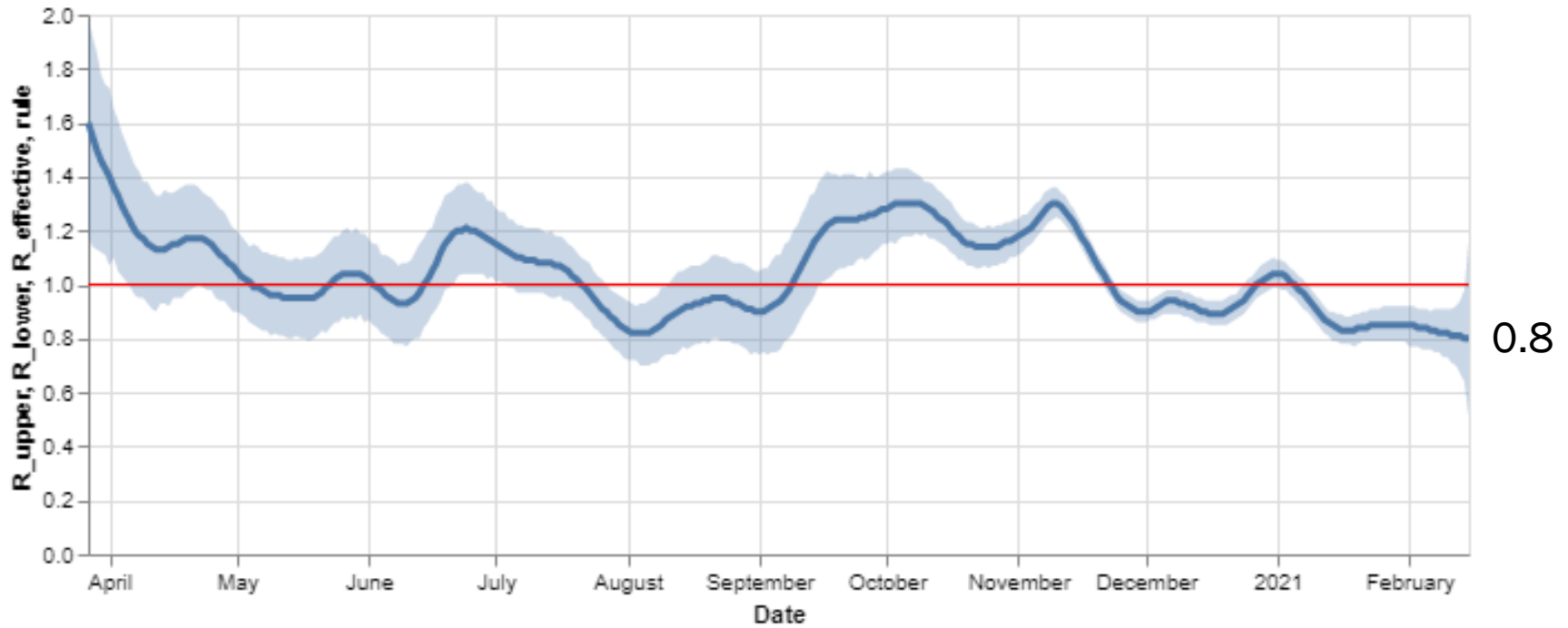
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.



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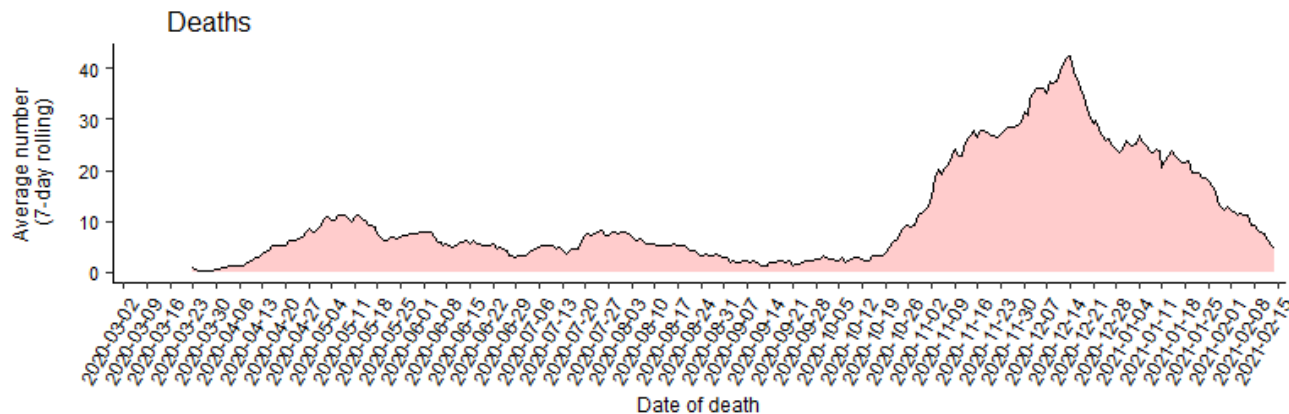
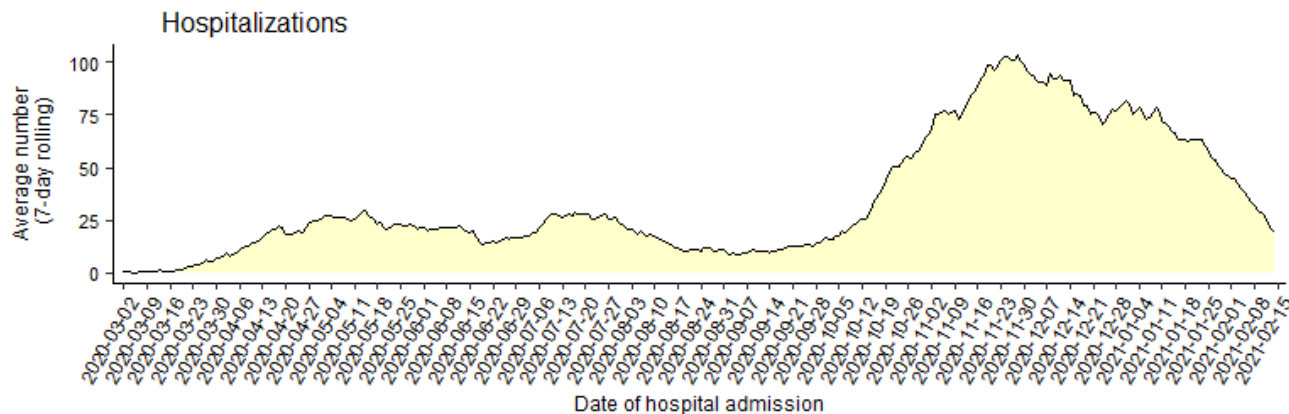
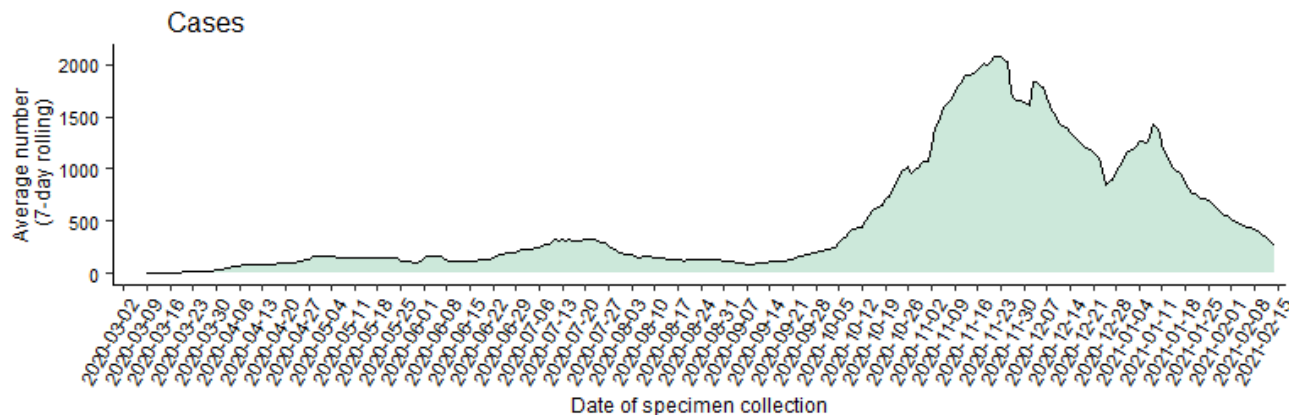
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Statewide R-effective remains at 0.8.



Courtesy of Presbyterian Healthcare Services – February 16, 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 2/15/21



Key

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

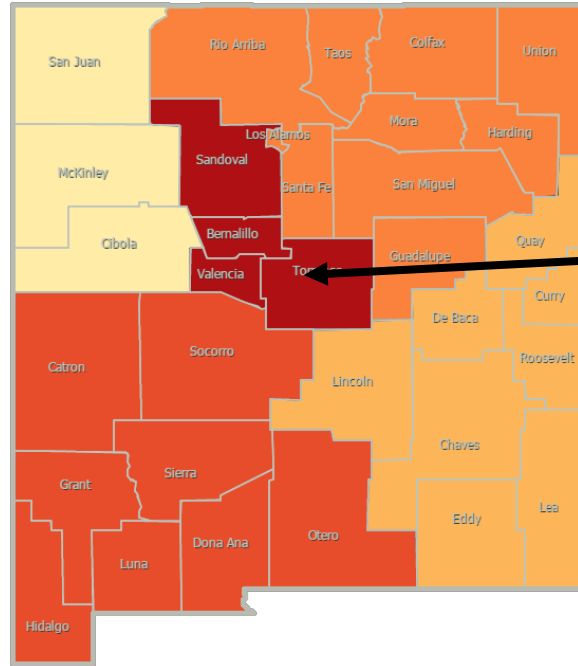
Northwest
R_effective 0.8 =

Northeast
R_effective 0.6 ↓

Metro
R_effective 0.8 ↓

Southwest
R_effective 0.9 =

Southeast
R_effective 0.8 =



As of February 8, 2021

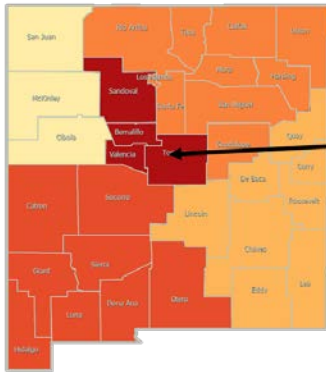
Northwest
R_effective 0.8 =

Northeast
R_effective 0.8 =

Metro
R_effective 0.9 ↓

Southwest
R_effective 0.9 ↑

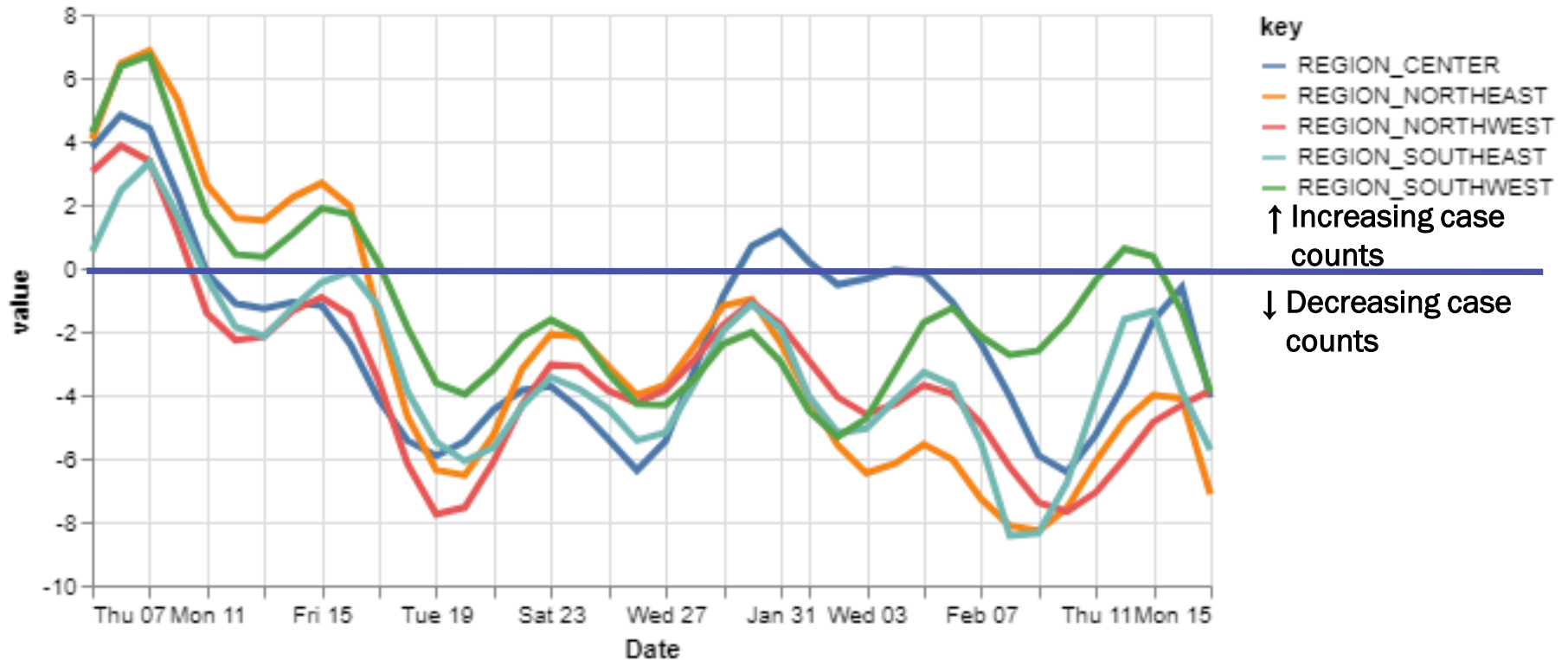
Southeast
R_effective 0.8 =



Region	R-effective	95% Confidence Interval
State	0.8	[0.5, 1.2]
Metro	0.8	[0.3, 1.2]
Northeast	0.6	[0.0, 2.0]
Northwest	0.8	[0.0, 1.7]
Southeast	0.8	[0.0, 1.6]
Southwest	0.9	[0.3, 1.6]

Courtesy of Presbyterian Healthcare Services – February 16, 2021.

All five regions have growth below 0.



key
— REGION_CENTER
— REGION_NORTHEAST
— REGION_NORTHWEST
— REGION_SOUTHWEST
— REGION_SOUTHWEST
↑ Increasing case counts
↓ Decreasing case counts

Courtesy of Presbyterian Healthcare Services – February 16, 2021.

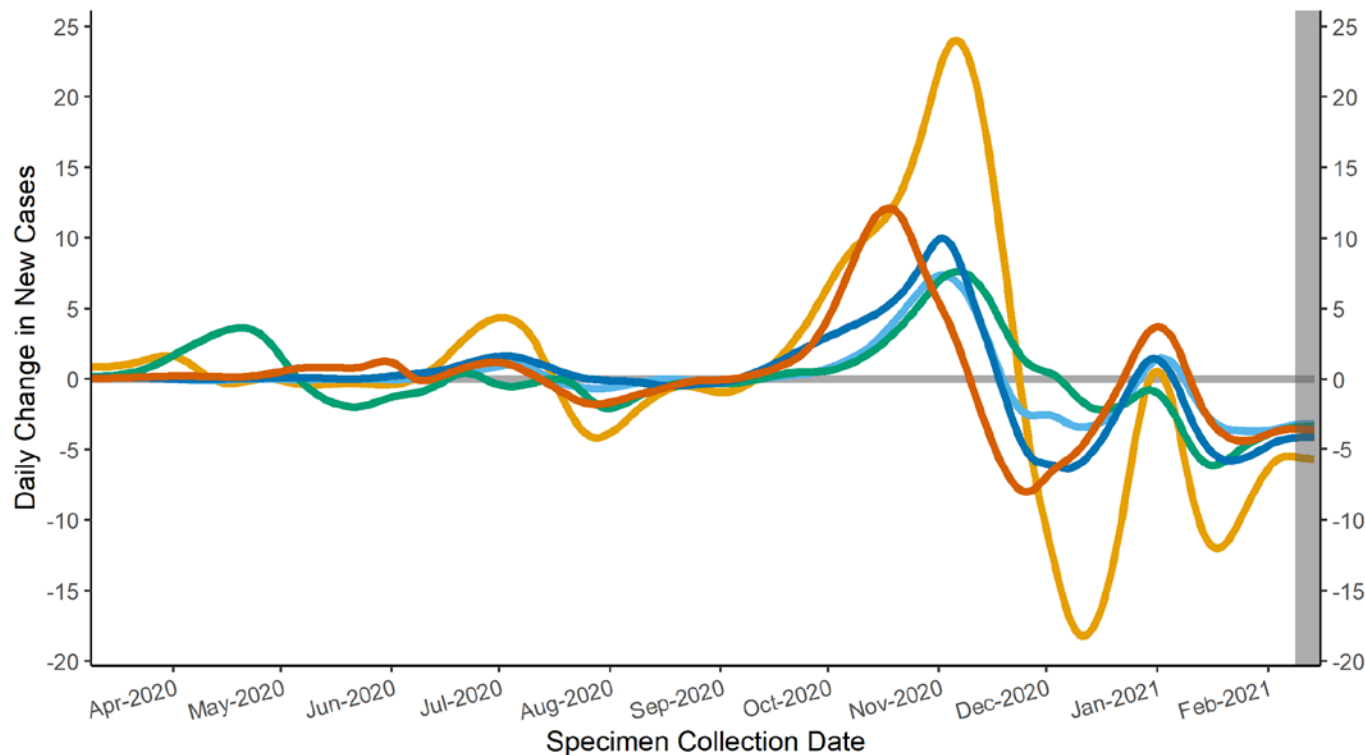


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Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of February 15, 2021



Regions — Metro — Northeast — Northwest — Southeast — Southwest

Region	Growth Acceleration February 08, 2021
Metro	-5.5
Northeast	-3.3
Northwest	-3.4
Southeast	-4.2
Southwest	-3.5

*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.

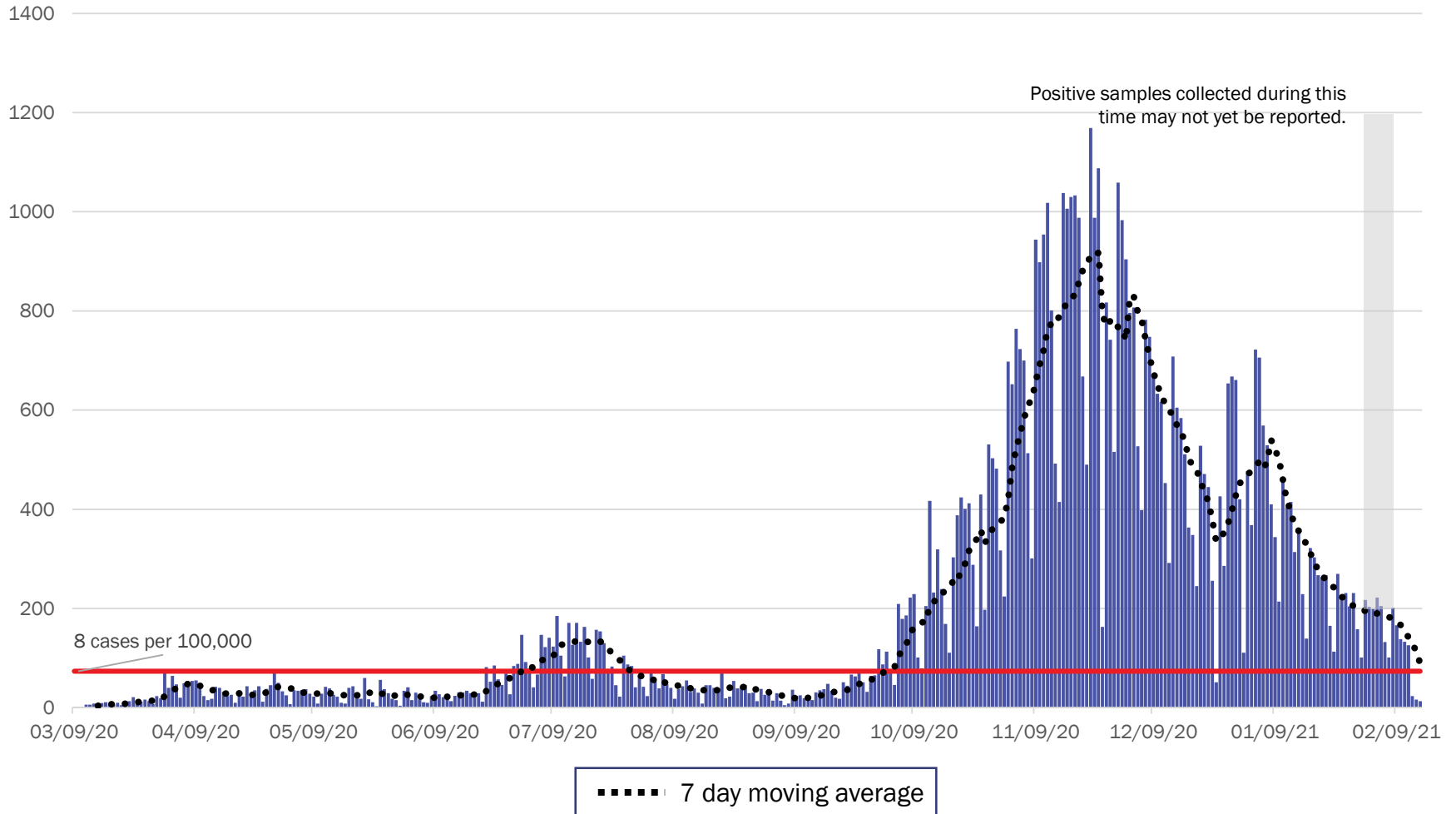
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.15.2021, New Mexico Department of Health.



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Metro Region Case Count by Collection Date with 7 Day Moving Average February 16, 2021



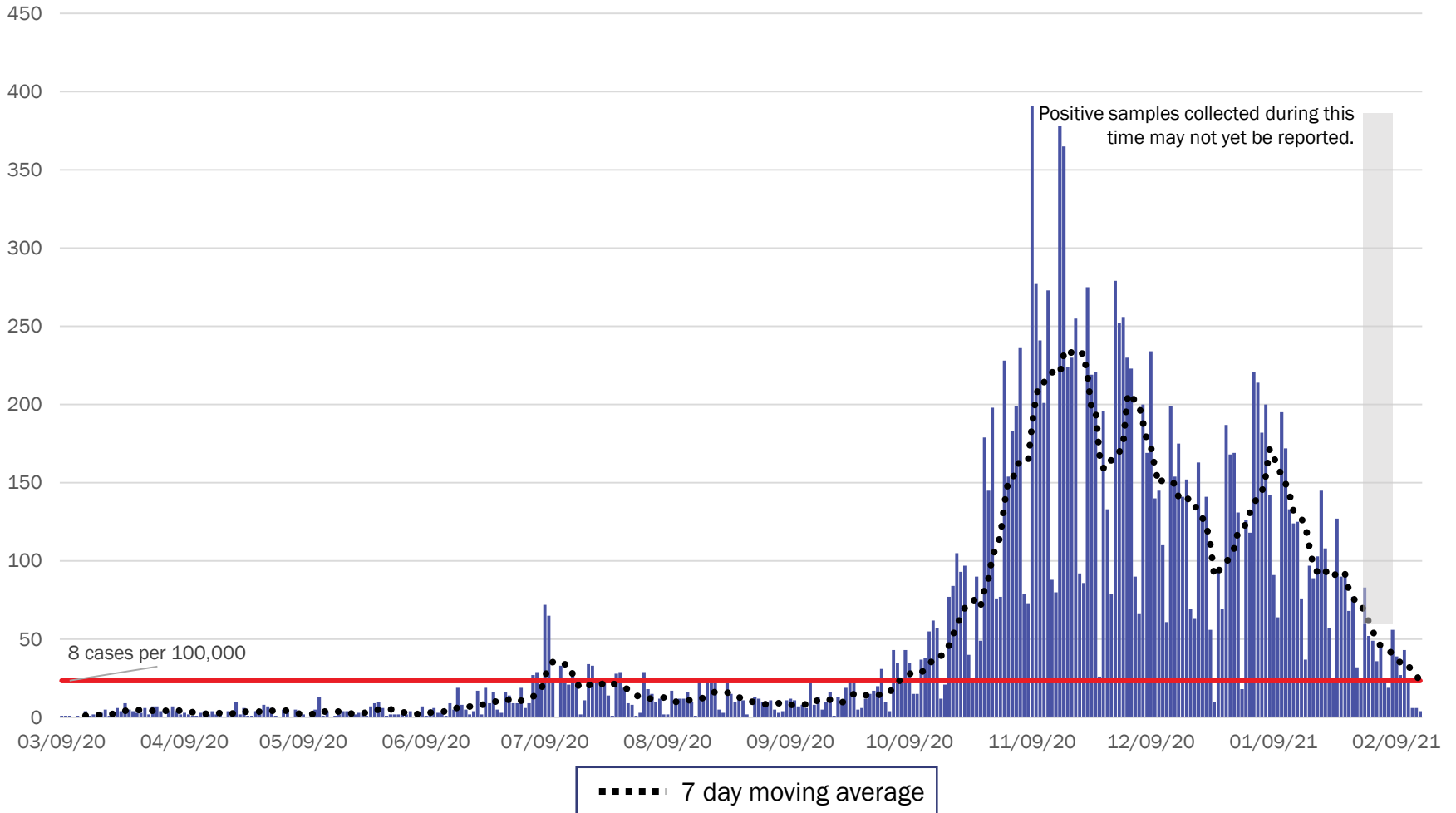
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average February 16, 2021



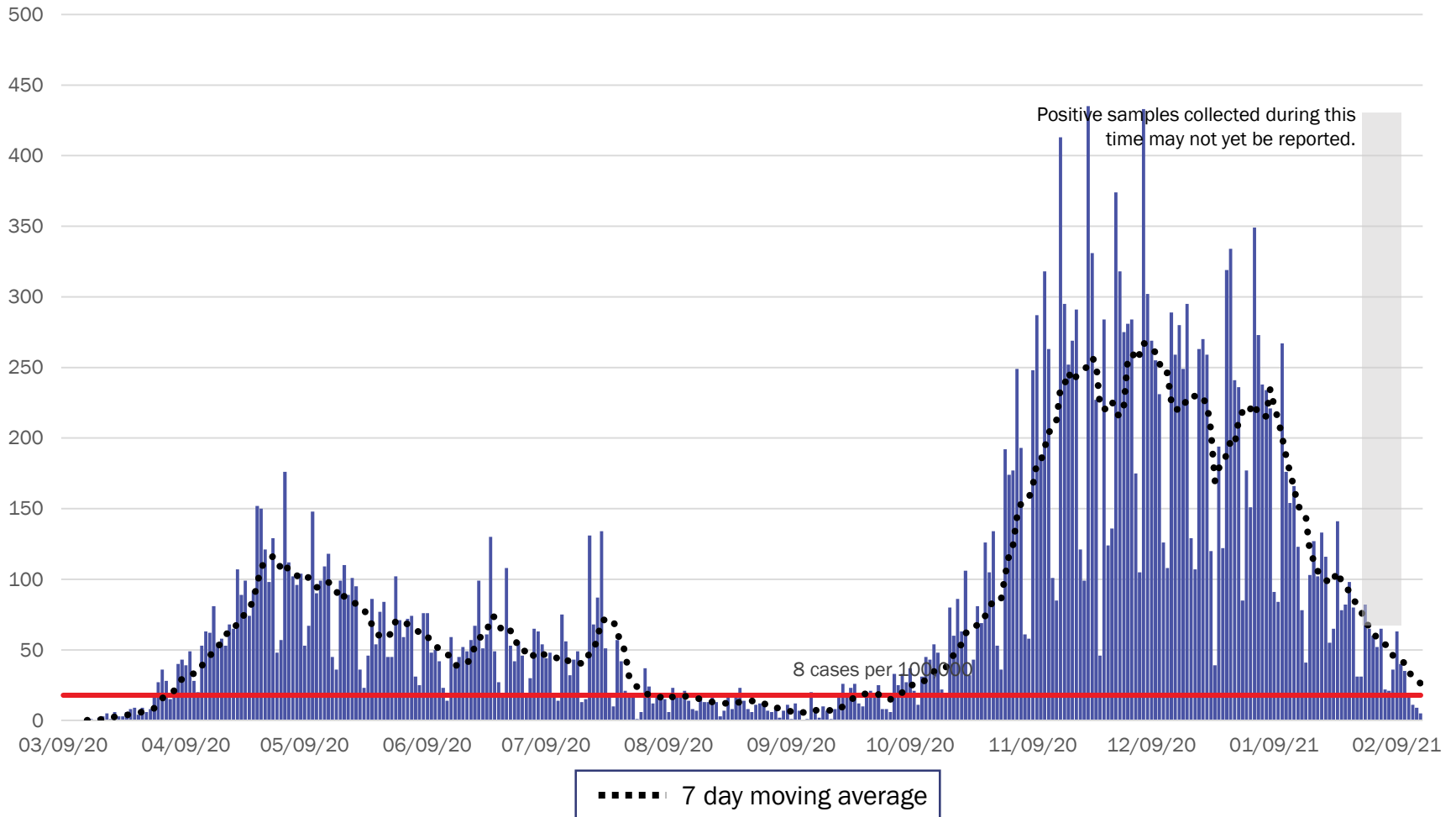
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021 New Mexico Department of Health.



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Northwest Region Case Count by Collection Date with 7 Day Moving Average February 16, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.



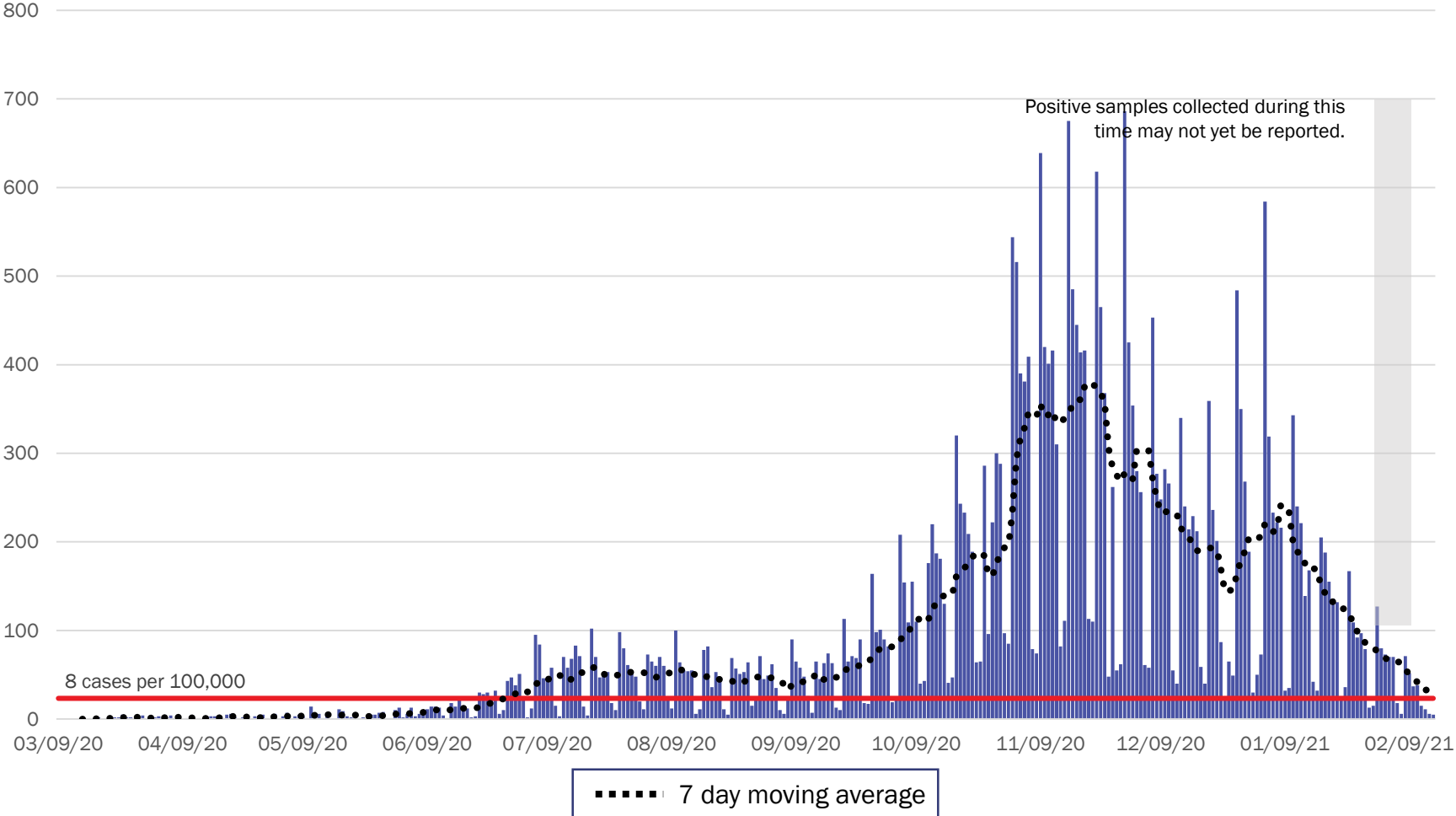
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Southeast Region Case Count by Collection Date with 7 Day Moving Average

February 16, 2021



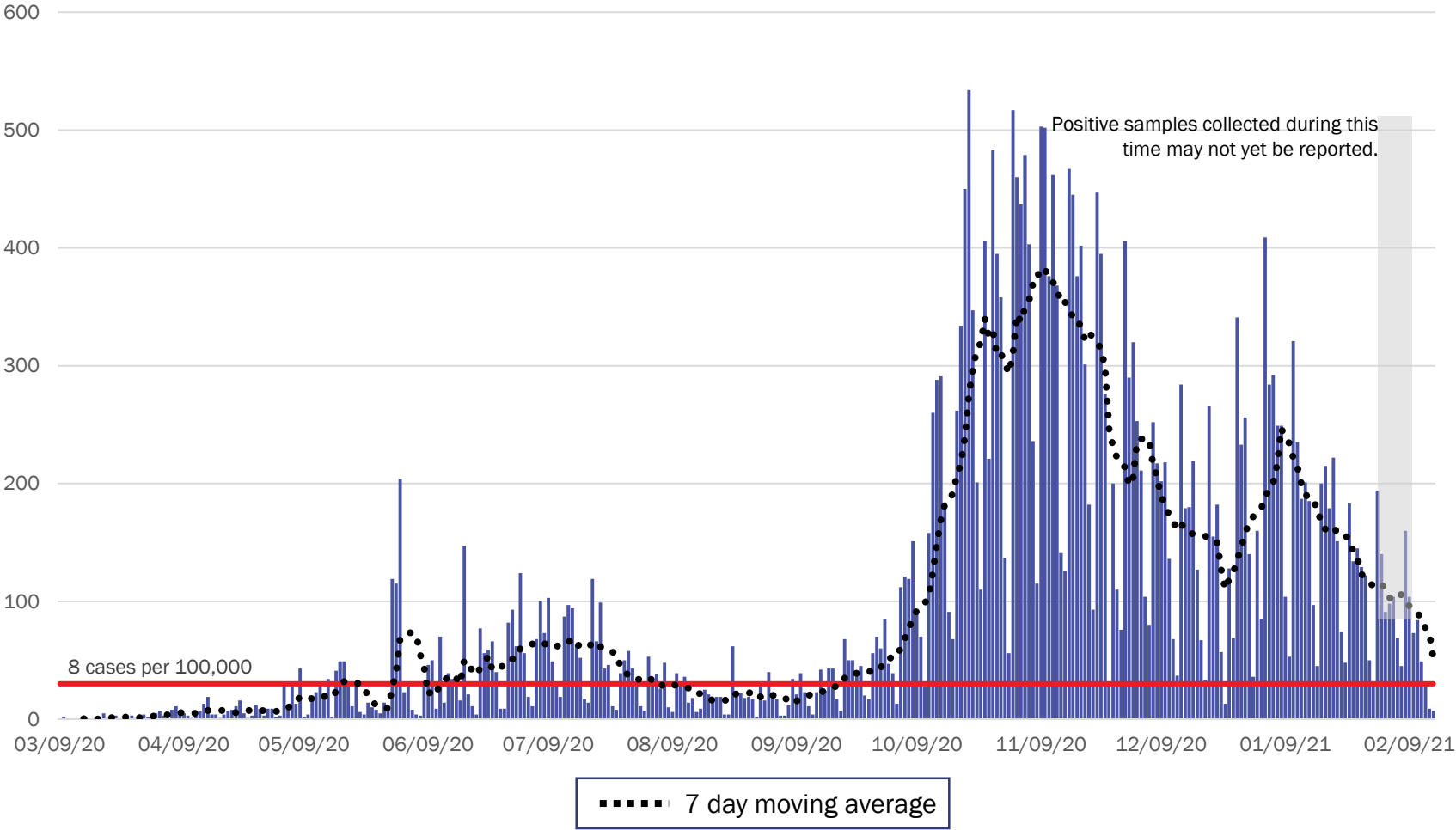
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.



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Southwest Region Case Count by Collection Date with 7 Day Moving Average February 16, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.



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New Mexico Status Updates

- Case count: Statewide, daily case counts are declining.
- Hospitalizations: Hospitalizations are declining.
- Deaths: Weekly COVID-19 deaths are 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 2.16.2021
R_Effective	Actual Measured Daily Value by key county Calculated by PHS	R_eff=0.8
Positive Test Multiplier	Calculated by PHS	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected Calculated by PHS	Medical 0.15% ICU 0.07% Vent Rate 60% of ICU Crude Case Fatality Rate 2.1%
Length of Stay	Assumed values	Medical 5 days ICU 14 days ICU on Vent 14 days