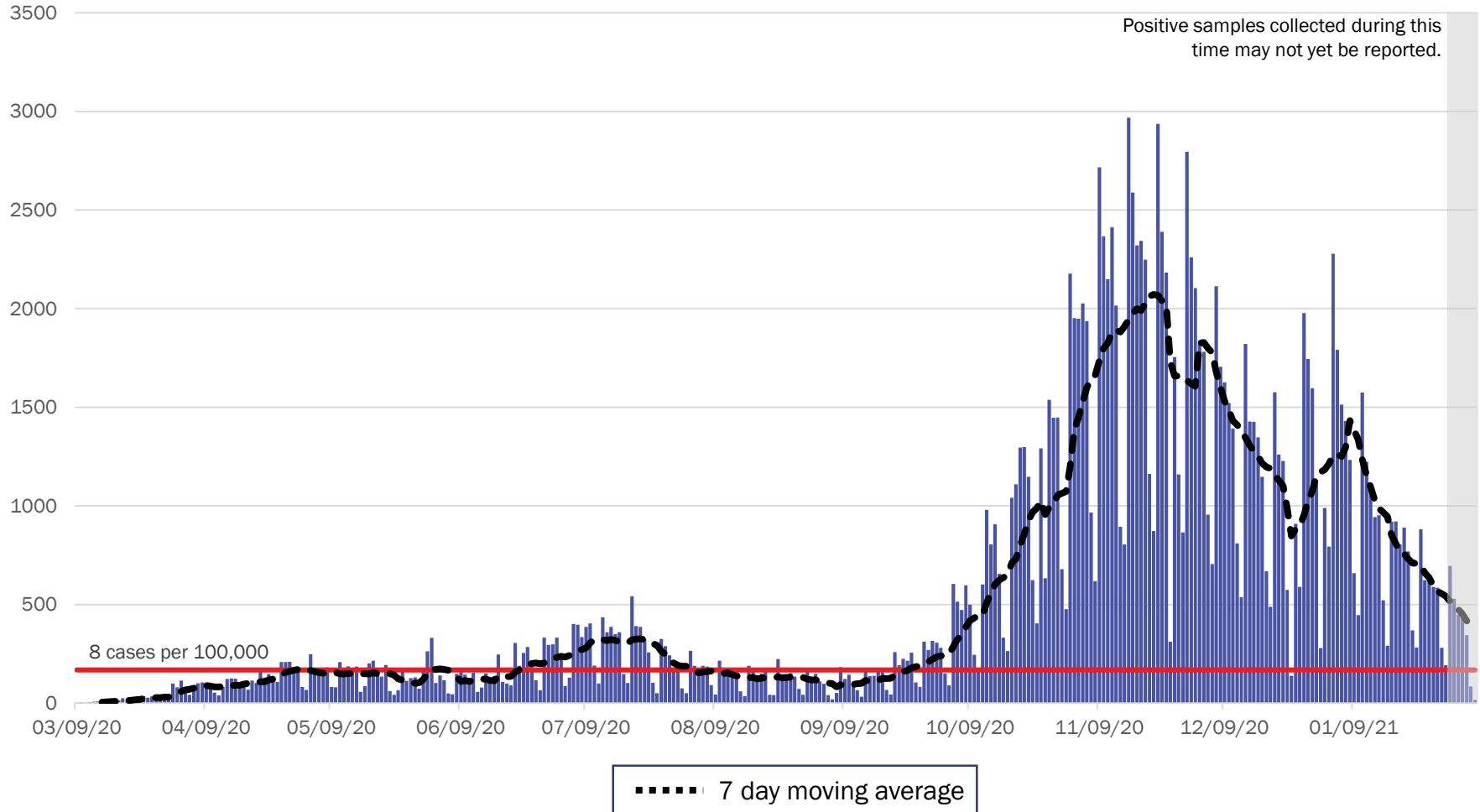


COVID-19 in New Mexico: Epidemiologic and Modeling Update

February 9, 2021

New Mexico COVID-19 Cases by Date of Specimen Collection February 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021, New Mexico Department of Health.

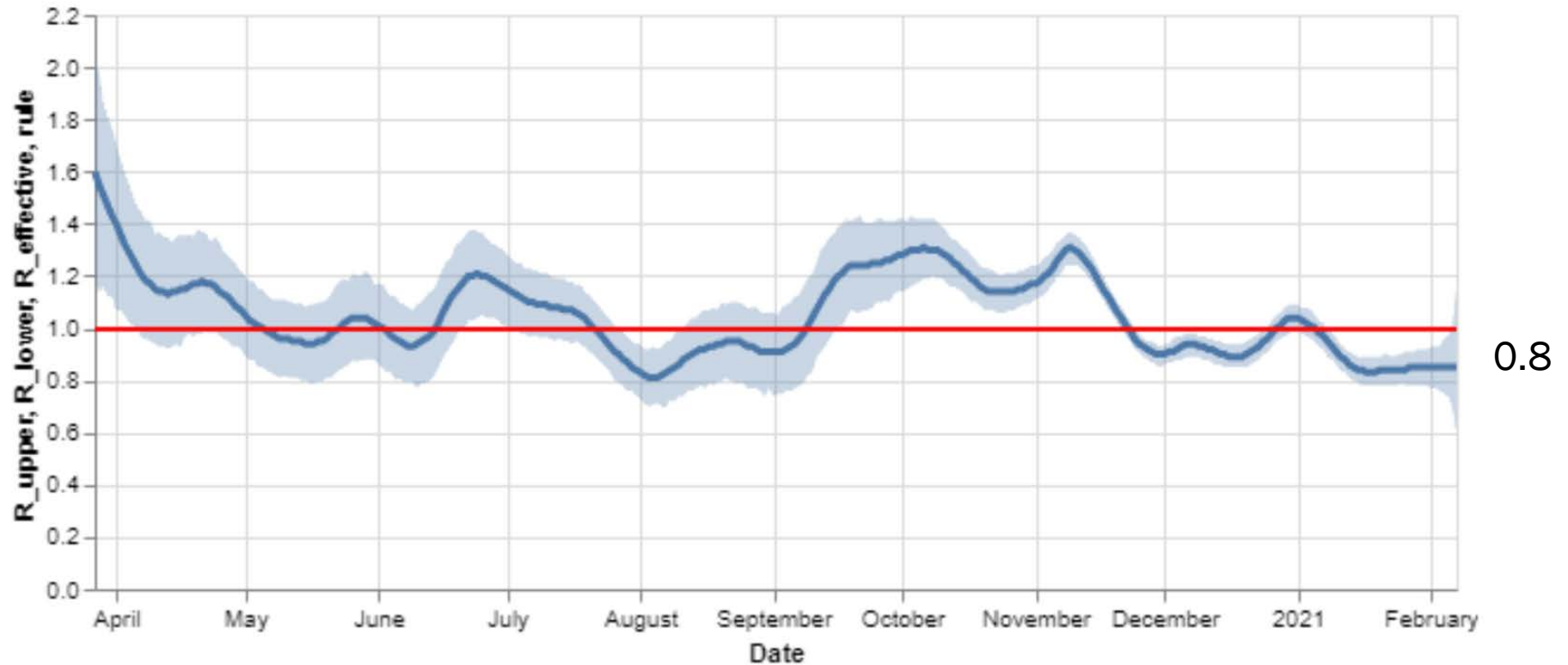


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Statewide R-effective remains at 0.8.

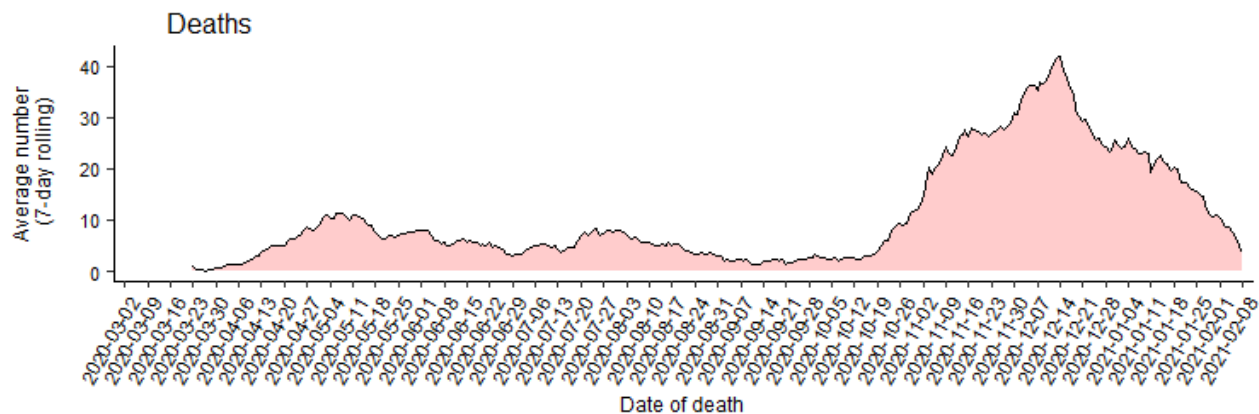
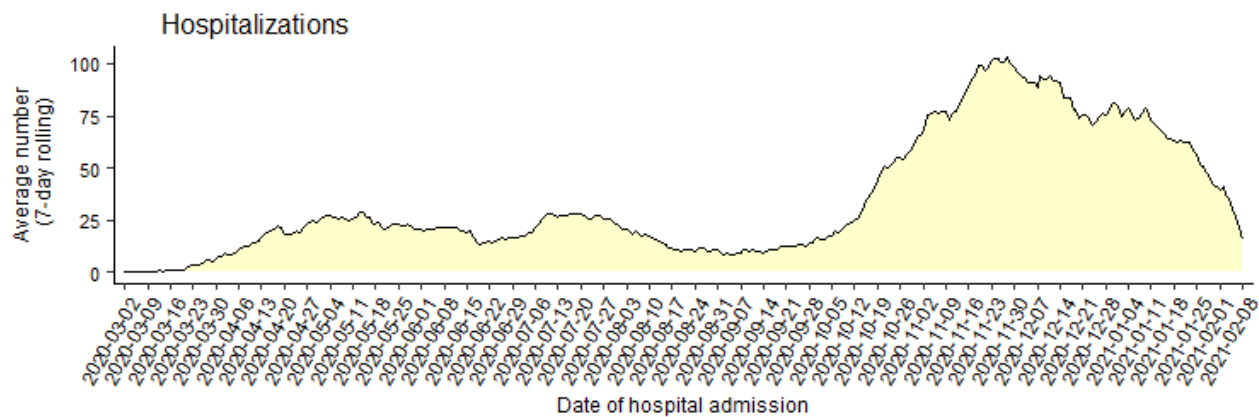
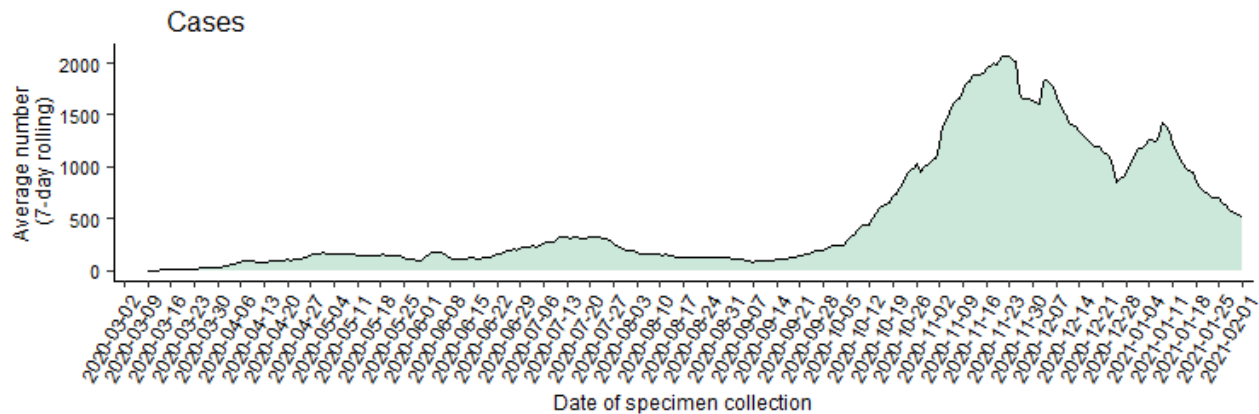
R_effective over time, STATE



0.8

Courtesy of Presbyterian Healthcare Services – February 8, 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 2/8/21



Key

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

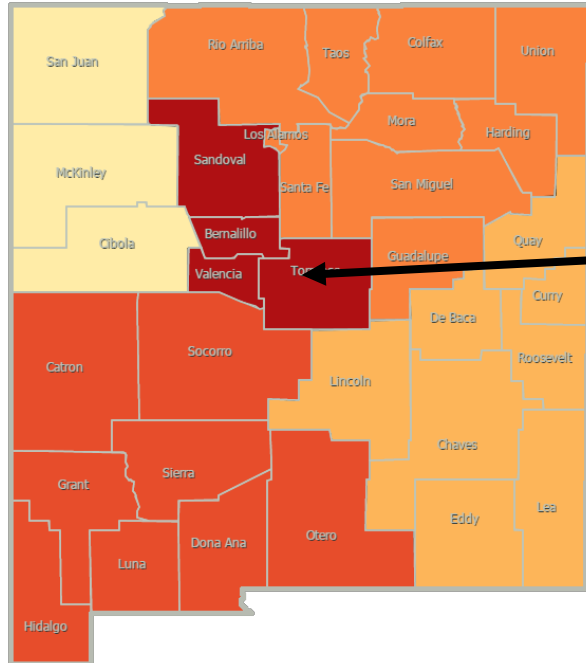
Northwest
R_effective 0.8 =

Northeast
R_effective 0.8 =

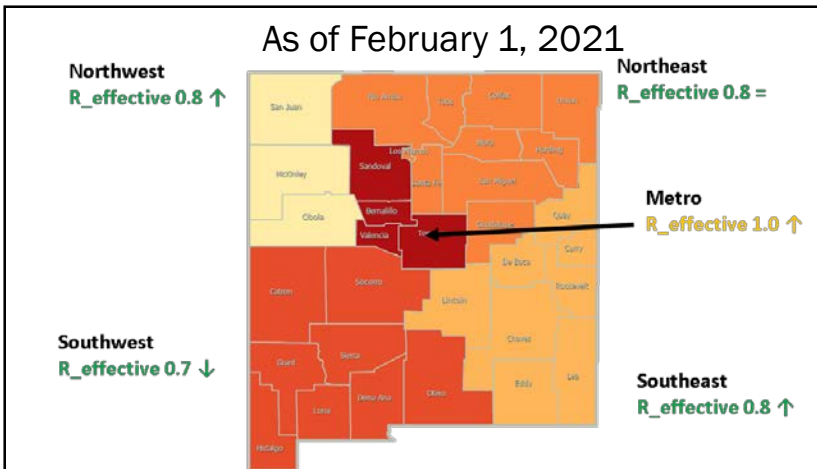
Southwest
R_effective 0.9 ↑

Metro
R_effective 0.9 ↓

Southeast
R_effective 0.8 =



As of February 1, 2021



Region	R-effective	95% Confidence Interval
State	0.8	[0.6, 1.2]
Metro	0.9	[0.5, 1.4]
Northeast	0.8	[0.2, 1.6]
Northwest	0.8	[0.2, 1.6]
Southeast	0.8	[0.2, 1.6]
Southwest	0.9	[0.3, 1.5]

Courtesy of Presbyterian Healthcare Services – February 8, 2021.

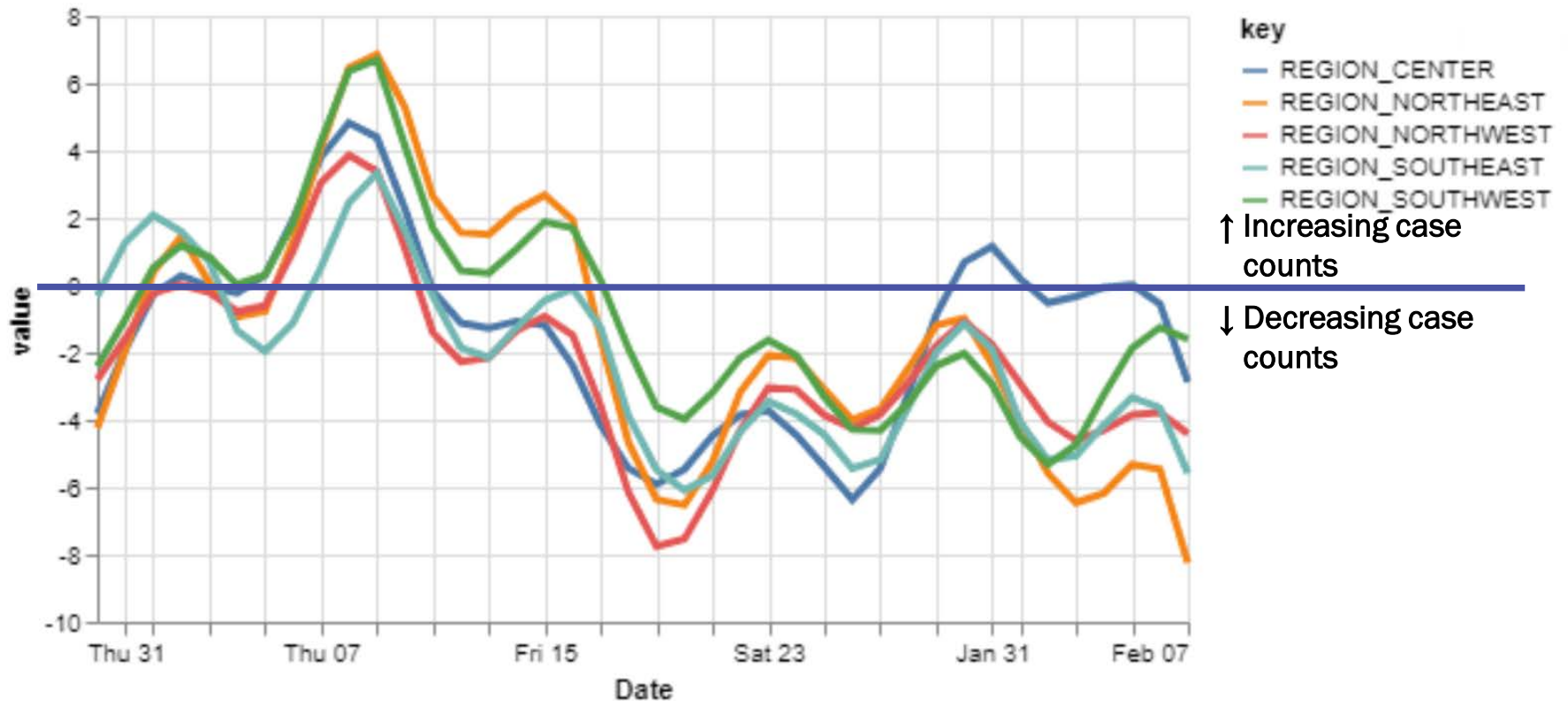


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All five regions have growth below 0.

14-day relative growth rate (%), Regions



key

- REGION_CENTER
- REGION_NORTHEAST
- REGION_NORTHWEST
- REGION_SOUTHEAST
- REGION_SOUTHWEST

↑ Increasing case counts

↓ Decreasing case counts

Courtesy of Presbyterian Healthcare Services – February 8, 2021.

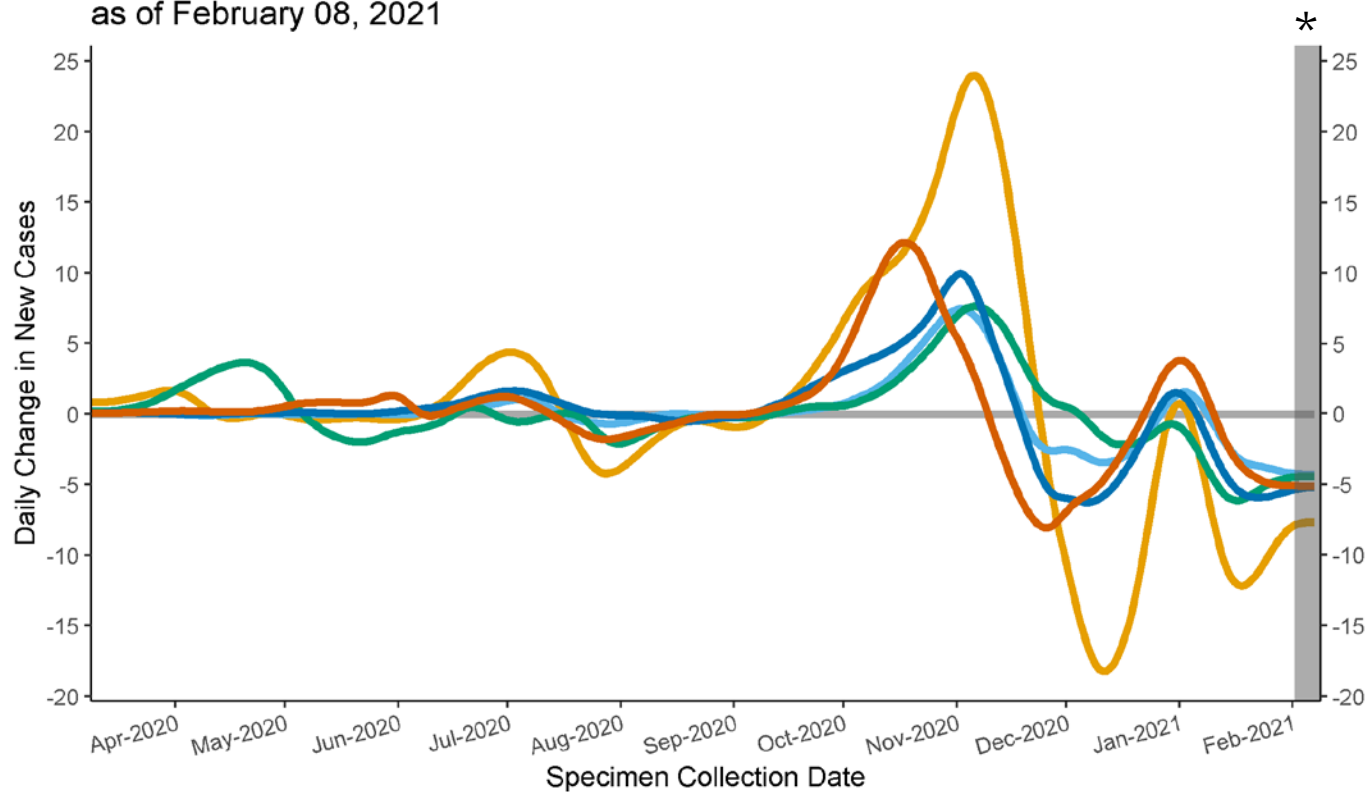


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Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of February 08, 2021



Region	Growth Acceleration February 01, 2021
Metro	-8.0
Northeast	-4.2
Northwest	-4.5
Southeast	-5.4
Southwest	-5.1

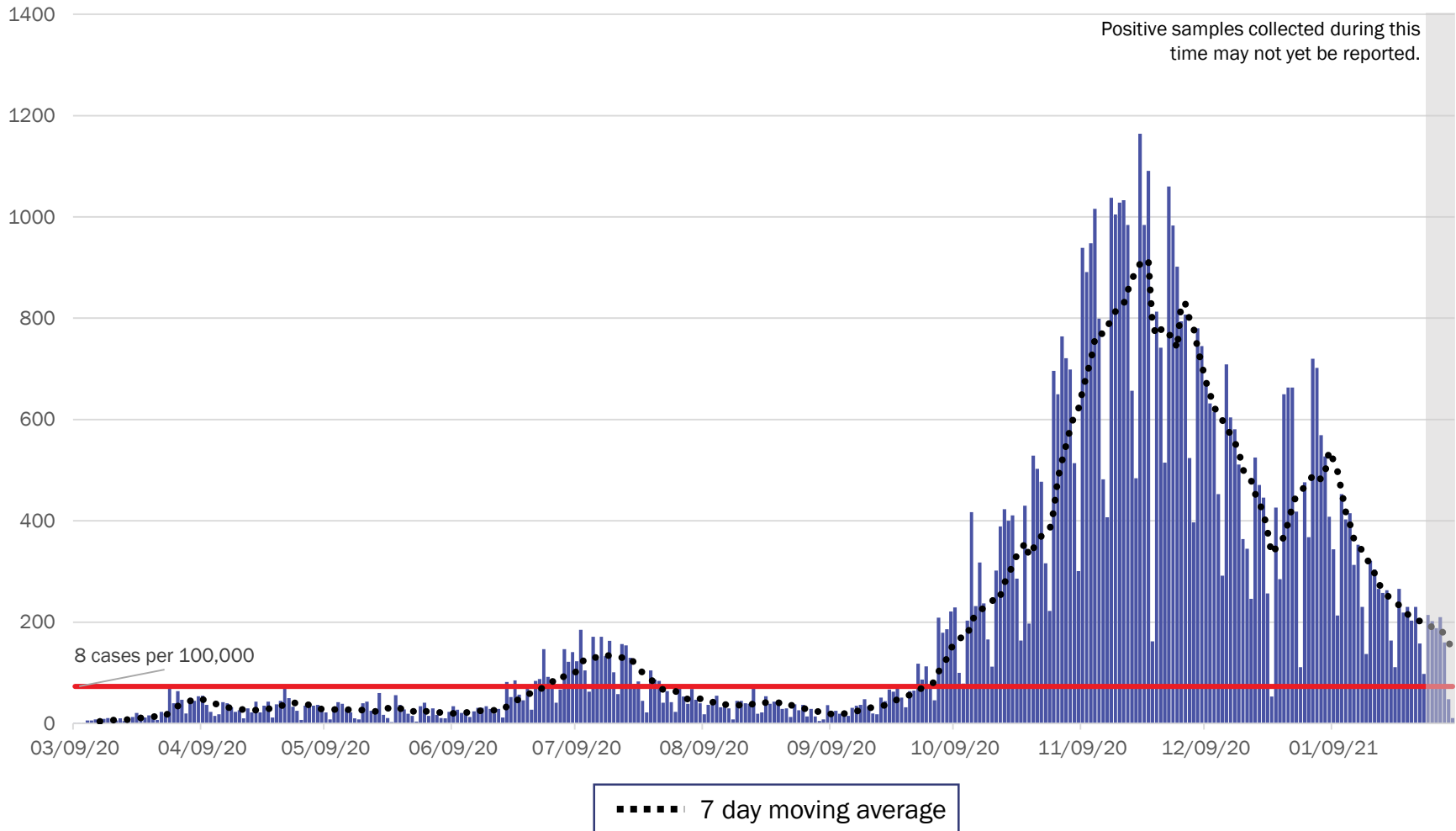
Regions — Metro — Northeast — Northwest — Southeast — Southwest

*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 2.8.2021, New Mexico Department of Health.

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

February 8, 2021



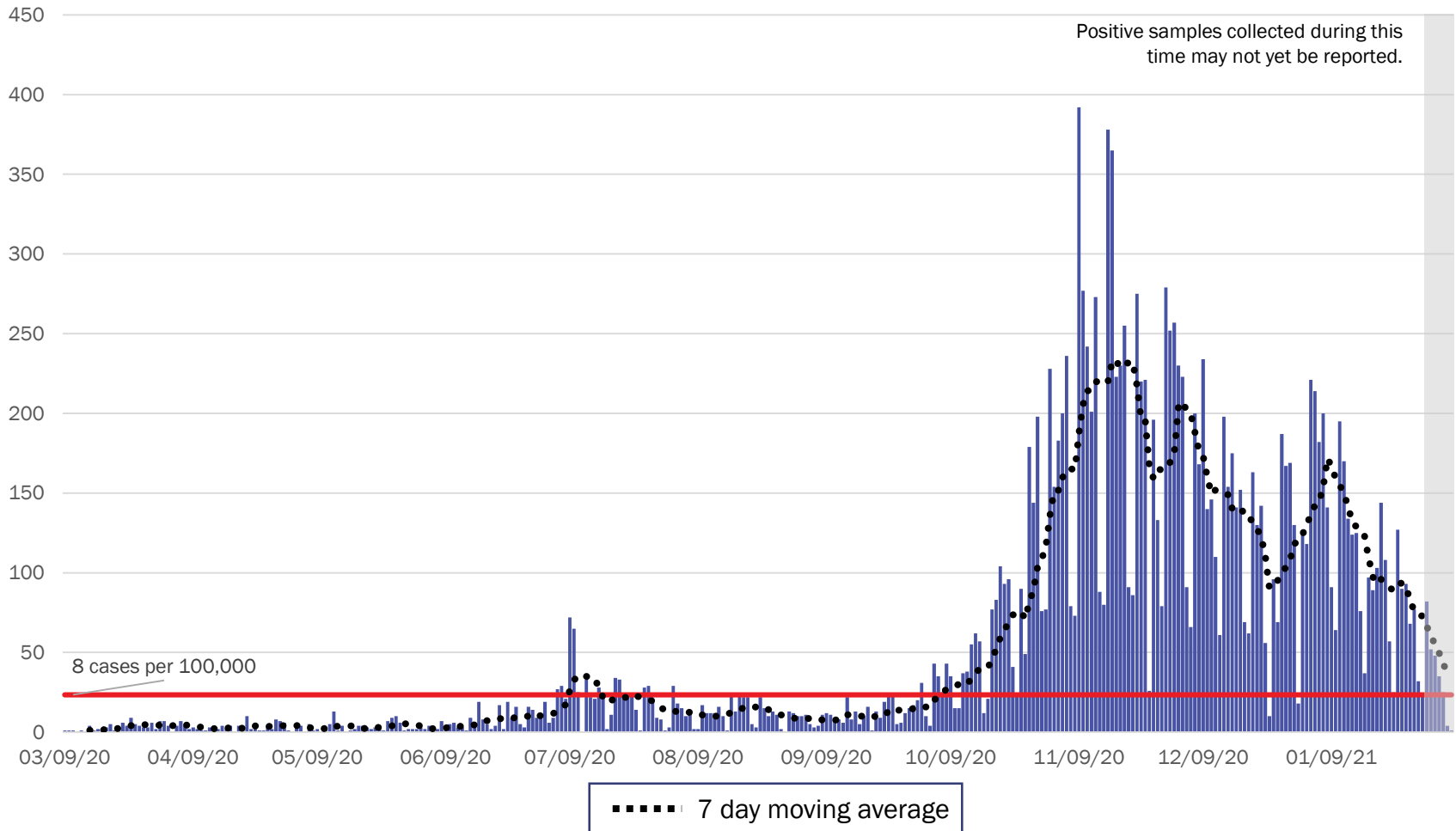
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021, New Mexico Department of Health.



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Northeast Region Case Count by Collection Date with 7 Day Moving Average February 8, 2021



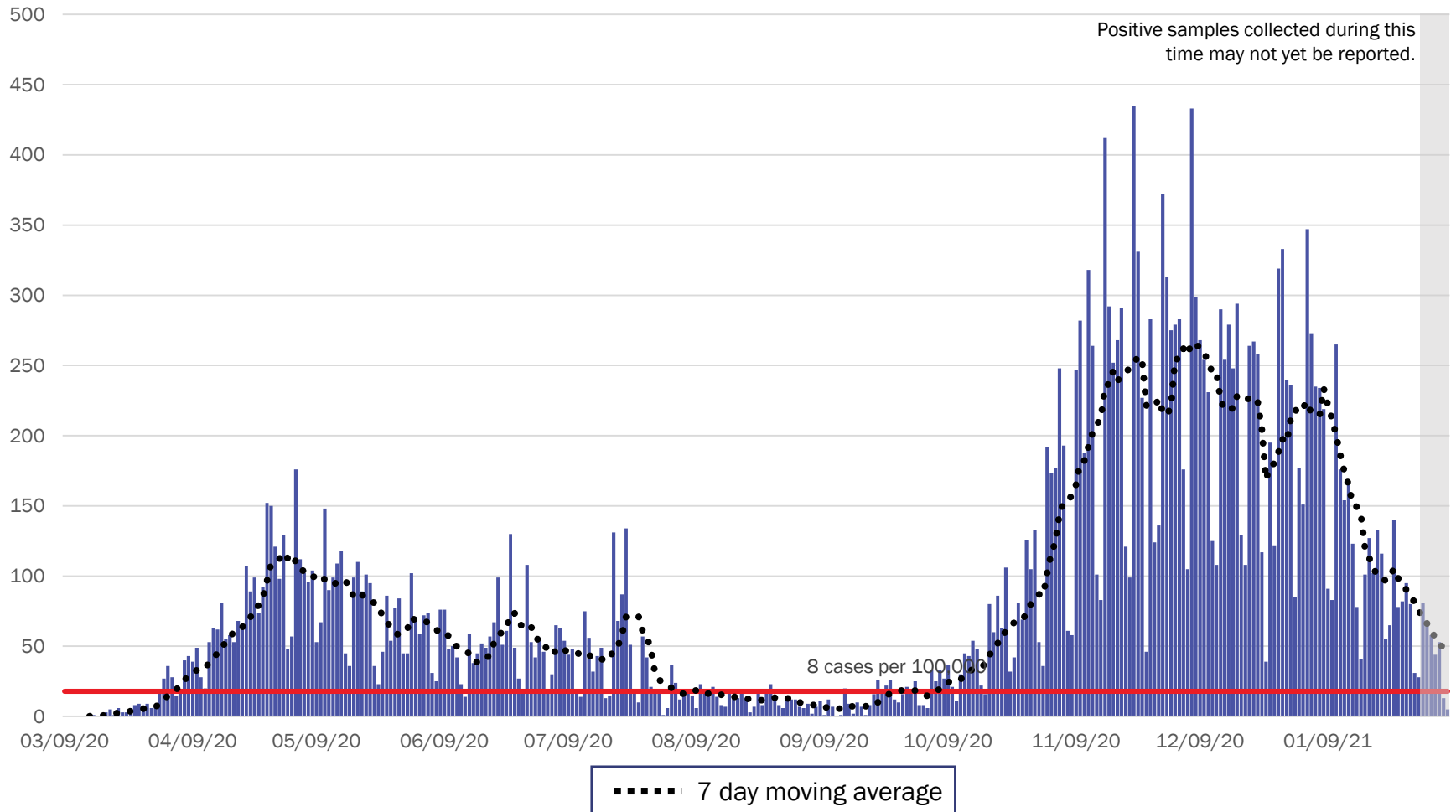
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021 New Mexico Department of Health.



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Northwest Region Case Count by Collection Date with 7 Day Moving Average February 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021, New Mexico Department of Health.

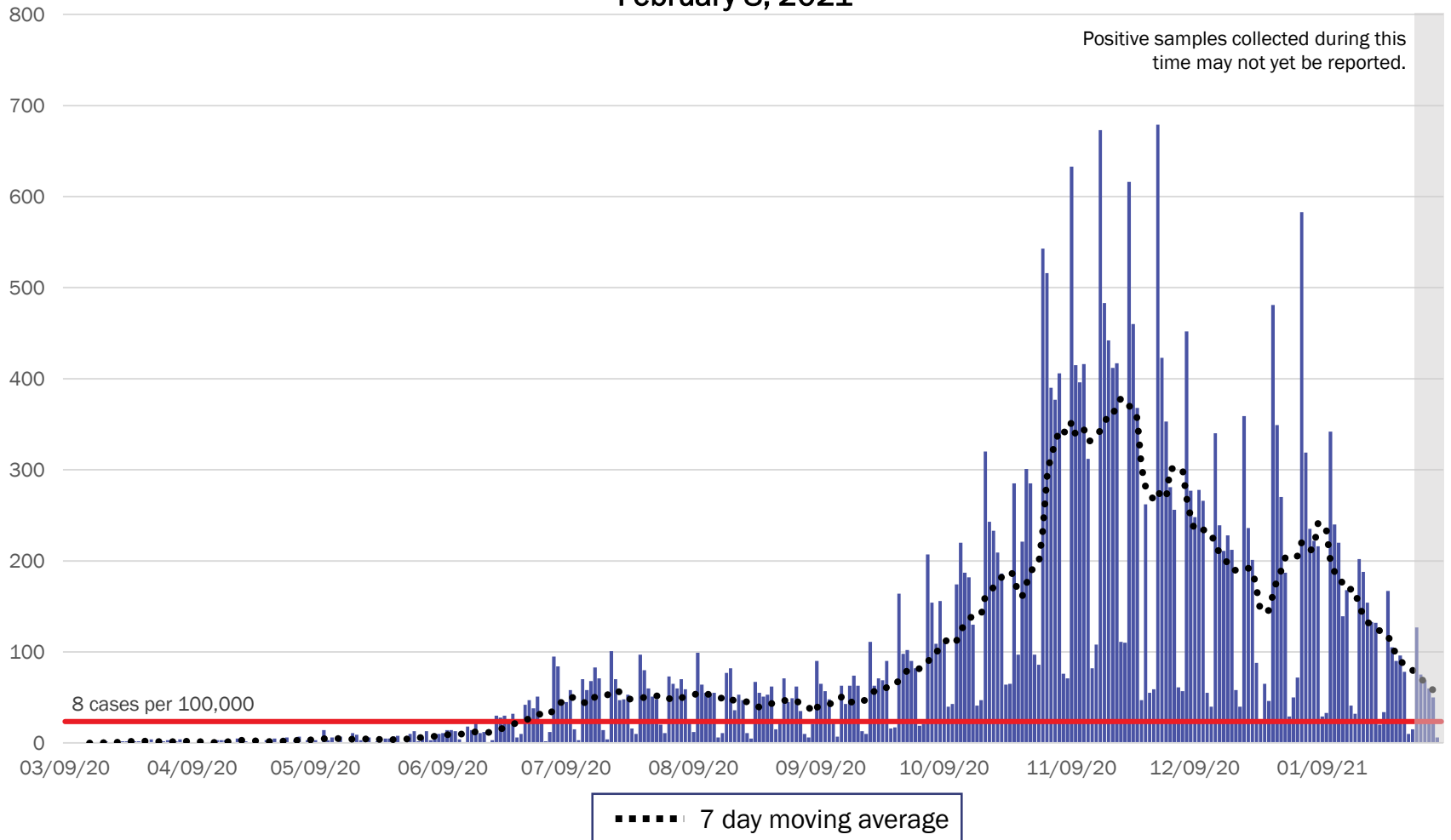


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Southeast Region Case Count by Collection Date with 7 Day Moving Average

February 8, 2021



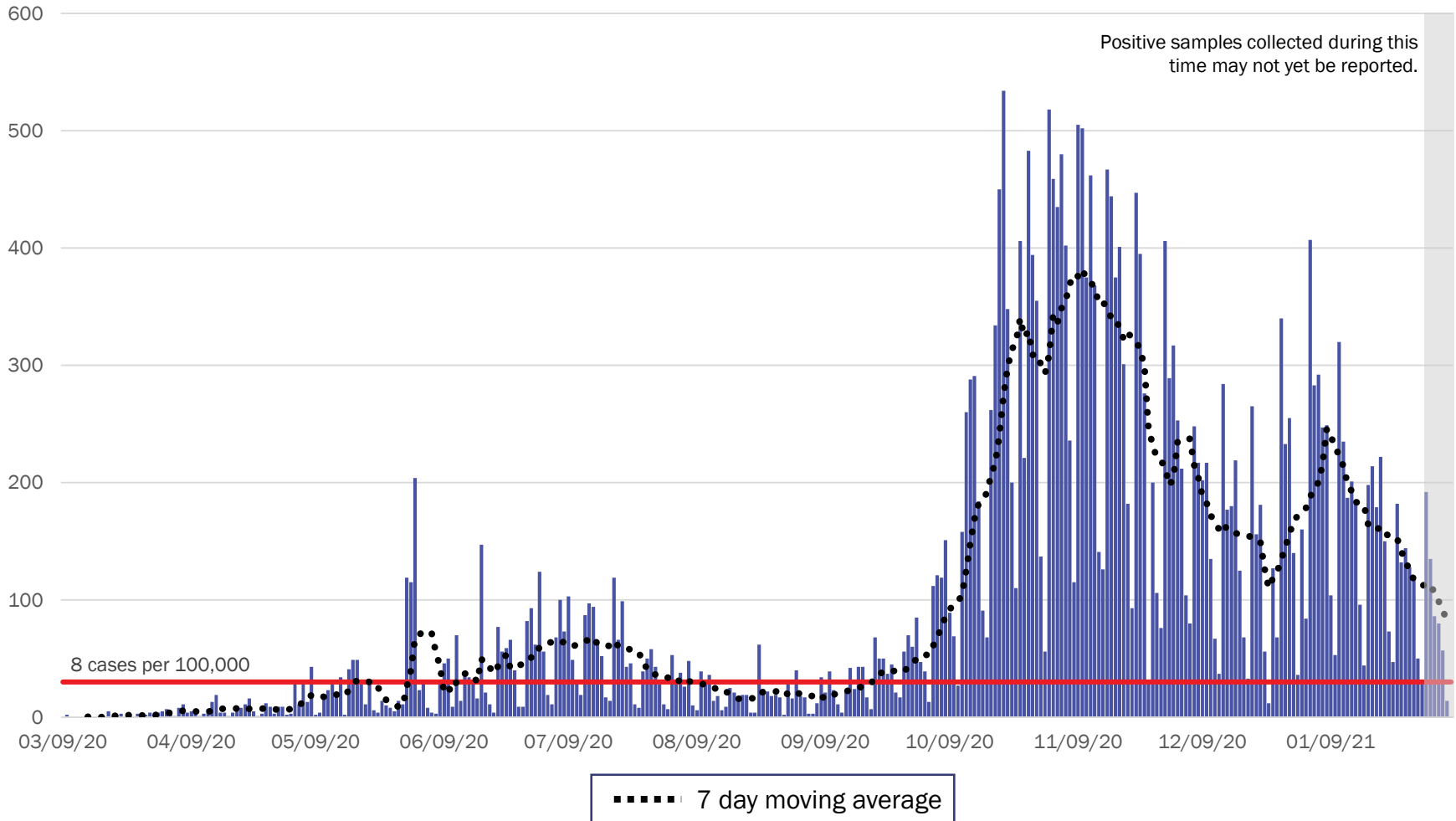
Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021, New Mexico Department of Health.



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Southwest Region Case Count by Collection Date with 7 Day Moving Average February 8, 2021



Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.8.2021, 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 2.8.2021
R_Effective	Actual Measured Daily Value by key county	R_eff=0.8
Positive Test Multiplier	Calculated by LANL	2.1
Hospitalization and Mortality	Actual rolling value / estimated number of total infected	Medical 0.18% ICU 0.09% Vent Rate 61% 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