COVID-19 in New Mexico: Epidemiologic and Modeling Update

April 6, 2021
New Mexico COVID-19 Cases by Date of Specimen Collection
April 5, 2021

Positive samples collected during this time may not yet be reported.
Statewide R-effective increased to 1.1.
Average number (7-day rolling average) of cases, hospitalizations, and deaths over time

Cases

Hospitalizations

Deaths

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

As of 4/5/21
As of March 29, 2021

Northeast
R_effective 1.0 ▲

Northwest
R_effective 1.2 ▼

Metro
R_effective 1.2 ▲

Southwest
R_effective 1.0 ▲

Southeast
R_effective 1.1 ▼

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

Due to the holiday weekend, metrics are based on data from Friday April 2, 2021.

<table>
<thead>
<tr>
<th>Region</th>
<th>R-effective</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>1.1</td>
<td>[0.7, 1.6]</td>
</tr>
<tr>
<td>Metro</td>
<td>1.2</td>
<td>[0.6, 1.4]</td>
</tr>
<tr>
<td>Northeast</td>
<td>1.0</td>
<td>[0.0, 3.0]</td>
</tr>
<tr>
<td>Northwest</td>
<td>1.2</td>
<td>[0.0, 2.9]</td>
</tr>
<tr>
<td>Southeast</td>
<td>1.1</td>
<td>[0.0, 2.8]</td>
</tr>
<tr>
<td>Southwest</td>
<td>1.0</td>
<td>[0.2, 1.8]</td>
</tr>
</tbody>
</table>

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 Courtesy of Presbyterian Healthcare Services – April 2, 2021.
All regions except the Southeast have growth rates above 0.

 Courtesy of Presbyterian Healthcare Services – April 2, 2021. Due to the holiday weekend, metrics are based on data from Friday April 2, 2021.

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Epidemic Growth Acceleration

Daily Change in New COVID-19 Cases, by New Mexico Region, as of April 05, 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 4.5.2021, New Mexico Department of Health.
Metro Region Case Count by Collection Date with 7 Day Moving Average
April 5, 2021

Positive samples collected during this time may not yet be reported.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.5.2021, New Mexico Department of Health.
Northeast Region Case Count by Collection Date with 7 Day Moving Average
April 5, 2021

Positive samples collected during this time may not yet be reported.
Northwest Region Case Count by Collection Date with 7 Day Moving Average
April 5, 2021

Positive samples collected during this time may not yet be reported.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.5.2021, New Mexico Department of Health.
Southeast Region Case Count by Collection Date with 7 Day Moving Average

April 5, 2021

Positive samples collected during this time may not yet be reported.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.5.2021, New Mexico Department of Health.
Southwest Region Case Count by Collection Date with 7 Day Moving Average
April 5, 2021

Positive samples collected during this time may not yet be reported.

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 4.5.2021, New Mexico Department of Health.

7 day moving average
8 cases per 100,000

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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/](https://cv.nmhealth.org/epidemiology-reports/)
Supplementary Slides
## Modeling Assumptions

<table>
<thead>
<tr>
<th>Variable</th>
<th>Measured Value</th>
<th>Value as of 4.2.2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>R_Effective</td>
<td>Actual Measured Daily Value by key county Calculated by PHS</td>
<td>R_eff=1.1</td>
</tr>
<tr>
<td>Positive Test Multiplier</td>
<td>Calculated by PHS</td>
<td>2.1</td>
</tr>
</tbody>
</table>
| 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                  |