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

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.
Statewide R-effective remains at 0.8.
Average number (7-day rolling average) of cases, hospitalizations, and deaths over time

As of 2/15/21

Note: Cases, hospitalizations, and deaths may not yet be reported in 7 or more days.
As of February 8, 2021

<table>
<thead>
<tr>
<th>Region</th>
<th>R-effective</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>0.8</td>
<td>[0.5, 1.2]</td>
</tr>
<tr>
<td>Metro</td>
<td>0.8</td>
<td>[0.3, 1.2]</td>
</tr>
<tr>
<td>Northeast</td>
<td>0.6</td>
<td>[0.0, 2.0]</td>
</tr>
<tr>
<td>Northwest</td>
<td>0.8</td>
<td>[0.0, 1.7]</td>
</tr>
<tr>
<td>Southeast</td>
<td>0.8</td>
<td>[0.0, 1.6]</td>
</tr>
<tr>
<td>Southwest</td>
<td>0.9</td>
<td>[0.3, 1.6]</td>
</tr>
</tbody>
</table>

Key

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

Courtesy of Presbyterian Healthcare Services – February 16, 2021.
All five regions have growth below 0.
Epidemic Growth Acceleration

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021, New Mexico Department of Health.
Northeast Region Case Count by Collection Date with 7 Day Moving Average
February 16, 2021

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 2.16.2021 New Mexico Department of Health.
Northwest Region Case Count by Collection Date with 7 Day Moving Average
February 16, 2021

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

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

Positive samples collected during this time may not yet be reported.
Southwest Region Case Count by Collection Date with 7 Day Moving Average
February 16, 2021

Positive samples collected during this time may not yet be reported.
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/](https://cv.nmhealth.org/epidemiology-reports/)
Supplementary Slides
# Modeling Assumptions

<table>
<thead>
<tr>
<th>Variable</th>
<th>Measured Value</th>
<th>Value as of 2.16.2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>R_Effective</td>
<td>Actual Measured Daily Value by key county Calculated by PHS</td>
<td>R_eff=0.8</td>
</tr>
<tr>
<td>Positive Test Multiplier</td>
<td>Calculated by PHS</td>
<td>2.1</td>
</tr>
<tr>
<td>Hospitalization and Mortality</td>
<td>Actual rolling value / estimated number of total infected Calculated by PHS</td>
<td>Medical 0.15% ICU 0.07% Vent Rate 60% of ICU Crude Case Fatality Rate 2.1%</td>
</tr>
<tr>
<td>Length of Stay</td>
<td>Assumed values</td>
<td>Medical 5 days ICU 14 days ICU on Vent 14 days</td>
</tr>
</tbody>
</table>