COVID-19 in New Mexico: Epidemiologic and Modeling Update
March 30, 2021
New Mexico COVID-19 Cases by Date of Specimen Collection
March 29, 2021

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.
Statewide R-effective remains at 1.0.
Average number (7-day rolling average) of cases, hospitalizations, and deaths over time

As of 3/29/21

Note: Cases, hospitalizations, and deaths may not yet be reported in 7 or more days.
As of March 22, 2021

<table>
<thead>
<tr>
<th>Region</th>
<th>R_effective</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>1.0</td>
<td>[0.6, 1.5]</td>
</tr>
<tr>
<td>Metro</td>
<td>1.0</td>
<td>[0.4, 1.7]</td>
</tr>
<tr>
<td>Northeast</td>
<td>0.9</td>
<td>[0.0, 2.3]</td>
</tr>
<tr>
<td>Northwest</td>
<td>1.4</td>
<td>[0.0, 3.2]</td>
</tr>
<tr>
<td>Southeast</td>
<td>1.3</td>
<td>[0.0, 3.0]</td>
</tr>
<tr>
<td>Southwest</td>
<td>0.9</td>
<td>[0.0, 2.0]</td>
</tr>
</tbody>
</table>

Key

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


Northeast
R_effective 0.9 =  

Metro
R_effective 1.0 =  

Southeast
R_effective 1.3 ↑

Southwest
R_effective 0.9 ↓

Northwest
R_effective 1.4 ↑

While the Northwest region has the highest 14-day relative growth rate, the rolling average of daily case counts in the region remains below 8 cases per 100,000.

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 3.29.2021, New Mexico Department of Health.
Metro Region Case Count by Collection Date with 7 Day Moving Average
March 29, 2021

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

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

8 cases per 100,000

7 day moving average

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.
Northeast Region Case Count by Collection Date with 7 Day Moving Average
March 29, 2021

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

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Northwest Region Case Count by Collection Date with 7 Day Moving Average
March 29, 2021

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.
Southeast Region Case Count by Collection Date with 7 Day Moving Average
March 29, 2021

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.

*Large spike in cases on February 26, 2021 is the result of a testing event in response to a correctional/detention facility outbreak.
Southwest Region Case Count by Collection Date with 7 Day Moving Average

March 29, 2021

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

Source: Infectious Disease Epidemiology Bureau, Epidemiology and Response Division 3.29.2021, New Mexico Department of Health.
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:
Supplementary Slides
Modeling Assumptions

<table>
<thead>
<tr>
<th>Variable</th>
<th>Measured Value</th>
<th>Value as of 3.29.2021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R_Effective</strong></td>
<td>Actual Measured Daily Value by key county Calculated by PHS</td>
<td>R_eff=1.0</td>
</tr>
<tr>
<td><strong>Positive Test Multiplier</strong></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 4.29%  
ICU 2.42%  
Vent Rate 51% of ICU  
Crude Case Fatality Rate 2.1% |
| **Length of Stay**             | Assumed values                                                                                     | Medical 5 days  
ICU 14 days  
ICU on Vent 14 days |