I. Introductions
II. Situation Report
III. Planning: Nevada’s State-Specific Reopening Framework
IV. Phase I
V. Next steps
VI. Q&A
INTRODUCTIONS

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Adjutant General, Nevada National Guard

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Executive Director of Community Resilience, Nevada Hospital Association

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Superintendent of Public Instruction, Nevada Department of Education

Michael Brown
Executive Director, Governor’s Office of Economic Development
II. Situation Report
MODELING BACKGROUND
Kyra Morgan, State Biostatistician

Most models being used to predict COVID-19 are SEIR-like models:

• Susceptible
• Exposed but not infectious
• Infectious
• Recovered

• Largely dependent on an accurate estimate of R0, the basic reproduction number, and Rt, the effective reproduction number.

• R0 and Rt can be interpreted as the expected number of new infections created on average by a single infectious individual in a purely susceptible population, where Rt considers the length of time since the start of the pandemic.

\[ R_t = \text{reduce contacts} \times \text{PPE} \times \text{contact tracing, isolation} \times \text{Susceptible population} \]

A decrease in the number of infected people is proportional to the decrease in person-to-person contact, appropriate PPE, and the ability to conduct contact tracing.
WHERE WE WERE
Kyra Morgan, State Biostatistician

Projections as of March 27 (COVID ACT NOW)

<table>
<thead>
<tr>
<th>Social Distancing Assumptions</th>
<th>Estimated Date of Peak Hospitalizations</th>
<th>Estimated Number of Hospitalizations at Peak</th>
<th>Estimated Date of Hospital Capacity Overload</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limited action</td>
<td>4/28/2020</td>
<td>&gt; 65,000</td>
<td>4/10/2020</td>
</tr>
<tr>
<td>3 months of social distancing</td>
<td>5/14/2020</td>
<td>&gt; 25,000</td>
<td>4/20/2020</td>
</tr>
<tr>
<td>3 months of shelter-in-place</td>
<td>5/26/2020</td>
<td>~ 1,300</td>
<td>never</td>
</tr>
</tbody>
</table>

In late March, models were predicting high peaks related to COVID-19 hospitalizations and death tolls potentially in the tens of thousands in Nevada.
WHAT WE’VE DONE
Kyra Morgan, State Biostatistician

- NV gets 1st Confirmed COVID-19 Case 5 March
- National Guard activated
- Battle Born Medical Corps directive issued
- $6.25 million in state funding approved to access FEMA monies & support healthcare workers 1 April
- Social Distancing strengthened. Directive closes basketball courts, golf courses, skate parks, etc. 8 April
- Face mask use encouraged 3 April
- Stay at Home directive strengthened 2 April
- Government permit and license extensions 31 March
- Updated Social Distancing, No Public Gatherings in groups >10, Access to public recreation resources limited 24 March
- Updated Essential/Non-essential Business Guidance 27 March
- K-12 closed 16 March
- Housing stability measures 29 March
- Risk Mitigation Initiative: Stay at Home guidance issued, social distancing implemented, nonessential business closure recommended 18 March
- NV Governor issues Declaration of Emergency 12 March
- Non-essential business closure directive 20 March
- Mar 01 Mar 07 Mar 14 Mar 21 Mar 28 Apr 04 Apr 11
WHERE WE ARE NOW
Kyra Morgan, State Biostatistician

3,937
Total Cases

163
Total Deaths

All measures indicate that Nevada has started to plateau. There is not sufficient data to indicate a decline in new cases.

Based on Data as of 2020-04-19, Have New Daily Confirmed Cases Peaked in Nevada On or Before 2020-04-19?

There’s an 82% chance that Nevada has reached our peak of daily new cases.

Peaks related to hospitalizations and deaths are expected to lag.

This data comes from Los Alamos National Lab.
SITUATION REPORT: ACUTE CARE INFRASTRUCTURE DEMAND
Dr. Christopher Lake, Nevada Hospital Association

HOSPITALIZATIONS
• All-cause hospitalization trends have decreased over the last three weeks
• Confirmed and suspected COVID-19 hospitalization trends have decreased over the last 10 to 14 days, respectively

ICU
• All-cause ICU occupancy trends have increased slightly over the last week
• Confirmed or suspected COVID ICU admission trends have decreased over the last two weeks

VENTILATORS
• All-cause ventilator use trends have decreased over the last two weeks
• Confirmed or suspected COVID-19 ventilators use trends have decreased over the last two weeks
SUMMARY:

The acute care infrastructure is maintaining capacity despite ongoing slow but continuous demand due to COVID-19. Because of social distancing, the state continues to avert overwhelming acute care infrastructure demand.
SITUATION REPORT: LABORATORY TESTING
Melissa Peek-Bullock, State Epidemiologist

• Key to understanding the current situation in Nevada

• Models are currently subject testing limitations that we had early in the pandemic.

• Nevada’s testing capacity has increased tremendously from when the COVID-19 pandemic began.

• In response, DHHS has released updated criteria to assist clinicians in testing decisions.
  • Shift from testing only severely ill and symptomatic health care workers to testing of anyone that presents with symptoms consistent with COVID-19
“Learning history is easy; learning its lessons seems almost impossibly difficult.”
– Nicolas Bentley

• We learned over 100 years ago during the influenza pandemic of 1918 that social distancing measures are extremely effective, especially when human behavior is the only intervention.

• We are currently battling, yet again, an invisible enemy and social distancing measures flattened our curve. When social distancing measures are loosened too soon and without a layered approach resurgence is eminent.
SITUATION REPORT: POWER OF SOCIAL DISTANCING
Melissa Peek-Bullock, State Epidemiologist

<table>
<thead>
<tr>
<th></th>
<th>NOW</th>
<th>5 Days</th>
<th>30 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business as Usual</td>
<td>1 person</td>
<td>2.5 people</td>
<td>406 people</td>
</tr>
<tr>
<td>50% Less Exposure</td>
<td>1 person</td>
<td>1.5 people</td>
<td>15 people</td>
</tr>
</tbody>
</table>

Now vs. 30 Days:
- Business as Usual: 1 person increases to 406 people
- 50% Less Exposure: 1 person increases to 15 people

50% less exposure due to social distancing.
• Models being used to identify likelihood that we have reached a peak assume continuation of current control measures.

• A second surge of cases would be likely if current control measures were lifted
"The lower numbers of infected people and deaths than predicted should not be seen as an indication that our actions were unnecessary, but as a strong indicator that our aggressive control measures were both necessary and effective.”

- Nevada Medical Advisory Team
SITUATION REPORT: WHERE WE ARE GOING

• Together, we have done an amazing job of flattening the curve and we are all so proud and grateful.

• This has taken unimaginable sacrifice and we acknowledge that. The hard work is not yet over. We are just beginning to see the fruits of our labor.

• Lifting social distancing measures too soon and without a strategy can be compared to a parachute which slows the rate of descent, but if removed too early still ends in tragedy.
SITUATION REPORT: ECONOMIC IMPACTS

GOAL:
Ensure Nevada’s economic reopening is sustainable

- The reopening of Nevada businesses is highly dependent upon expanded testing and tracing capacity in excess of what its currently possible.

- Economic activity and recovery will require close collaboration between the state's employers and state and local government to ensure that the gradual lifting of pandemic restrictions does not lead to an uncontrolled increase in COVID-19 cases.

- State of Nevada must support, coordinate and ensure that reopening is sustainable.
SITUATION REPORT: ECONOMIC IMPACTS

• There are fewer cases and deaths than what was predicted by many of the models early in the outbreak

• This means that social distancing and other measures are working

• Despite Nevada's success, the virus has not been eradicated: COVID-19 transmission will continue for the foreseeable future

• There is currently no vaccination

• We have protected ourselves and our health care infrastructure through sustained social distancing measures

• The emergency is not over but has entered a new phase
III. Planning:  
Nevada’s State-Specific Reopening Framework
Once the outbreak has sufficiently declined, the goal is to progressively open up different types of facilities and industries in a way that allows people to gradually return to their normal lives while continuing to prevent the spread of the disease.
## Nevada Reopening Criteria

<table>
<thead>
<tr>
<th></th>
<th>Consistent and sustainable downward trajectory of COVID-19 cases and hospitalizations over a 14-day period measured by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>• Decrease in the trend of COVID-19 hospitalizations; and</td>
</tr>
<tr>
<td></td>
<td>• Decline in percentage of people testing positive.</td>
</tr>
<tr>
<td></td>
<td>Healthcare and Public Health Systems should be able to adequately respond:</td>
</tr>
<tr>
<td>2</td>
<td>• Ability to maintain hospital capacity without crisis standards of care</td>
</tr>
<tr>
<td></td>
<td>• Sufficient public health workforce capacity local and state health departments to conduct case contact tracing (detect, test, trace, isolate)</td>
</tr>
<tr>
<td></td>
<td>• Expanded ability for healthcare providers to administer tests for symptomatic patients</td>
</tr>
<tr>
<td></td>
<td>• Sufficient laboratory testing capacity to process COVID-19 testing samples</td>
</tr>
<tr>
<td>3</td>
<td>Sustained ability to protect vulnerable populations (e.g. outbreaks are successfully contained and closed in special settings like health facilities and nursing homes.)</td>
</tr>
<tr>
<td>4</td>
<td>Phased approach: Protective Measures are in place.</td>
</tr>
</tbody>
</table>
IV. Phase 1: Federal Criteria & Recommendations
## PHASE 1: INDIVIDUALS

<table>
<thead>
<tr>
<th>White House Recommendations</th>
<th>Nevada Medical Advisory Team Recommendation</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vulnerable populations should continue to shelter in place</td>
<td>Vulnerable populations (older residents &amp; those with underlying immunocompromising conditions) should remain home until the outbreak has subsided</td>
<td>APPROVED</td>
</tr>
<tr>
<td>Avoid socializing in groups of 10 or more</td>
<td>Extend Nevada Emergency Directive restricting large in-person gatherings of 10 or more people</td>
<td>APPROVED</td>
</tr>
<tr>
<td>Minimize non-essential travel</td>
<td>Maintain Governor's Travel Advisory</td>
<td>APPROVED</td>
</tr>
<tr>
<td>Strongly consider using face coverings while in public</td>
<td>Extend Governor's guidance on face coverings for public use AND review strengthening current guidelines</td>
<td>Guidance extension - APPROVED. Strengthening guidelines - UNDER REVIEW</td>
</tr>
</tbody>
</table>
PHASE 1: EMPLOYERS

White House Recommendations

- Encourage telework
- Return to work in phases
- Close common areas
- Minimize non-essential business travel
- Special accommodation for vulnerable populations

STATE ECONOMIC RECOVERY LEAD:

Michael Brown
Executive Director, Governor's Office of Economic Development

IMMEDIATE RECOVERY

Help provide strategic reopening guidance to businesses on the protocols and practices required to operate under these new conditions

Develop and share a standard set of science-based protocols for all businesses, adapted to the needs of different sectors

LONGER-TERM RESILIENCE

Support businesses once reopening has occurred by working together to design and pursue strong economic recovery strategies
**PHASE 1: SPECIFIC EMPLOYERS**

<table>
<thead>
<tr>
<th>White House Recommendations</th>
<th>Nevada Medical Advisory Team Recommendation</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-person visitors to senior living facilities and hospitals should be prohibited</td>
<td>In-person visitors to senior living facilities and hospitals should be prohibited with strong encouragement of video conferencing capabilities</td>
<td>APPROVED</td>
</tr>
<tr>
<td>Bars should remain closed</td>
<td>Bars remain closed</td>
<td>APPROVED</td>
</tr>
<tr>
<td>Elective surgeries can resume on an outpatient basis</td>
<td></td>
<td>UNDER REVIEW*</td>
</tr>
<tr>
<td>Gyms can open if they adhere to strict protocols</td>
<td></td>
<td>UNDER REVIEW</td>
</tr>
<tr>
<td>Large venues (dining, movies, sporting, places of worship) can operate under strict physical distancing protocols</td>
<td></td>
<td>UNDER REVIEW</td>
</tr>
</tbody>
</table>

*No directive was issued regarding elective surgeries*
## PHASE 1: SPECIFIC EMPLOYERS

<table>
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<th>White House Recommendations</th>
<th>Nevada Medical Advisory Team Recommendation</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schools that are currently closed should remain closed</td>
<td>Close school buildings for the remainder of the academic year</td>
<td>APPROVED</td>
</tr>
</tbody>
</table>
SCHOOLS
Jhone Ebert, Nevada State Superintendent

• At this time, in accordance with federal and state guidance, schools will continue distance education through the end of this academic year.

• We will continue our efforts to support teachers, staff, students and families throughout the rest of this academic year.

• We will continue to collaborate with Superintendents, School Leaders, educators, staff, and families to develop thoughtful processes and plans so we can make a smooth transition back to classrooms when the time comes.
V. Next Steps
NEXT STEPS

- Continue to develop guidance for Phase 1 implementation
- Continue reviewing Phase 2 and Phase 3 recommendations from The White House
- Begin sector-specific discussions on reopening plans (Director Brown)
- Complete details of planning framework, including regional reopening
- Continued coordination with Western States
QUESTIONS AND ANSWERS