2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

May 14, 2020

We will begin in just a few moments. Thanks!
This is an **emerging, rapidly evolving situation**. Information in this presentation is current as of May 13, 2020. Please check the South Dakota Department of Health website for the most current information and guidance.

[COVID.sd.gov](https://www.COVID.sd.gov)
Agenda

• Situation Update
• Laboratory Guidance
• Infection Control
• Community Mitigation
• Supply Chain Management
• On-going Communications
• Q&A Session

Note: Slides and a recording of the presentations will be posted to doh.sd.gov/news/COVID19/Calls.aspx following the webinar.
Situation Update
Coronavirus Situation  (as of May 13, 2020)

- **International**
  - 4,170,424 confirmed cases
  - 287,399 deaths

- **United States** (50 states + DC)
  - 1,364,061 confirmed cases in U.S.
  - 82,246 deaths
  - Community transmission identified in all neighboring states

- **South Dakota**
  - 3,732 confirmed cases in South Dakota
  - 39 death
  - 2,367 recovered
Epidemiologic “Epi” Curve of

As of May 13, 2020
General Testing Recommendations

Medical providers should consider testing individuals, using a viral test, with the following signs and symptoms of COVID-19:

- Cough or
- Shortness of breath or difficulty breathing

Or at least two of these symptoms:
- Fever
- Chills
- Repeated shaking with chills
- Muscle pain
- Headache
- Sore throat
- New loss of taste or smell

Please note that not everyone may need a test because most people have mild illness and can recover at home without medical care.
Diagnostic Stewardship and Test of Cure

- Virus has not been recovered after Day 9 in several small studies

Upper respiratory specimens show detectable virus well past Day 9

Due to duration of viral RNA in specimens, PCR should not be used as a test of cure

Take-away: Asymptomatic individuals who previously tested positive should not be tested for COVID-19. Presence of new onset or worsening symptoms should guide diagnostic tests
Laboratory Guidance
Testing Plan to Combat COVID-19

**Strategies**

1. Provide access to testing for all symptomatic individuals
2. Provide enhanced access for at-risk and vulnerable populations
3. Leverage community resources for testing and follow-up care
4. Ensure testing plan is flexible and adapts to South Dakota needs
Provide Enhanced Access to At-Risk and Vulnerable Populations

- State of South Dakota is initiating a campaign to test all LTC residents over the next month

- This initiative is supported by healthcare systems in South Dakota and the Department of Health

- This initiative will consist of two testing phases over the next four weeks
Mass Testing: Long-Term Care Residents

Week 1: Nursing home residents in areas of substantial COVID spread
  • 46 facilities

Week 2: All remaining nursing home residents in South Dakota
  • 106 facilities

Week 3: Assisted living center residents in areas of substantial COVID spread
  • 68 facilities

Week 4: All remaining assisted living center residents in South Dakota
  • 51 facilities
Mass Testing: Long-Term Care Residents

In support of the LTC testing initiative, facilities should evaluate the following:

- Collection of upper respiratory specimens such as nasopharyngeal swabs
- Personal protective equipment needs for specimen collection
- Fit testing status for staff that will collect specimens
- Packaging and shipping specimens to your clinical or commercial laboratory

*A survey was distributed on 5/13 to collect this information; surveys will be completed before end-of-day on Thursday 5/14 and results will be used to inform specimen collection and testing*
Testing Plan to Combat COVID-19

**Strategies**

1. Provide access to testing for all symptomatic individuals
2. Provide enhanced access for at-risk and vulnerable populations
3. Leverage community resources for testing and follow-up care
4. Ensure testing plan is flexible and adapts to South Dakota needs
Leverage Community Resources for Testing and Follow-Up Care

- Provide direct laboratory support for long-term care facilities
- Specimen collection supplies
  - Swabs and transport media
  - Packaging and shipping supplies and support
- Provide local clinical laboratory testing capability
- Facilitate connections between long-term care facilities and clinical or commercial laboratory support
Infection Control
COVID-19 Personal Protective Equipment (PPE) for Healthcare Personnel

**Preferred PPE – Use**  
N95 or Higher Respirator

- Face shield or goggles
- One pair of clean, non-sterile gloves
- Isolation gown

**Acceptable Alternative PPE – Use**  
Facemask

- Face shield or goggles
- One pair of clean, non-sterile gloves
- Isolation gown

When respirators are not available, use the best available alternative, like a facemask.

N95 or higher respirators are preferred but facemasks are an acceptable alternative.

[cdc.gov/COVID19](https://www.cdc.gov/COVID19)
## Healthcare Personnel with Potential Exposure

<table>
<thead>
<tr>
<th>Epidemiologic risk factors</th>
<th>Exposure category</th>
<th>Recommended Monitoring for COVID-19 (until 14 days after last potential exposure)</th>
<th>Work Restrictions for Asymptomatic HCP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prolonged close contact with a patient with COVID-19 (beginning 48 hours before symptom onset) who was wearing a cloth face covering or facemask (i.e., source control)</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
</tr>
<tr>
<td>HCP PPE: None</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
</tr>
<tr>
<td>HCP PPE: Not wearing a facemask or respirator</td>
<td>Medium</td>
<td>Active</td>
<td>Exclude from work for 14 days after last exposure</td>
</tr>
<tr>
<td>HCP PPE: Not wearing eye protection</td>
<td>Low</td>
<td>Self with delegated supervision</td>
<td>None</td>
</tr>
<tr>
<td>HCP PPE: Not wearing gown or gloves</td>
<td>Low</td>
<td>Self with delegated supervision</td>
<td>None</td>
</tr>
<tr>
<td>HCP PPE: Wearing all recommended PPE (except wearing a facemask instead of a respirator)</td>
<td>Low</td>
<td>Self with delegated supervision</td>
<td>None</td>
</tr>
</tbody>
</table>

# Healthcare Personnel with Potential Exposure

Prolonged close contact with a patient with COVID-19 (beginning 48 hours before symptom onset) who was not wearing a cloth face covering or facemask (i.e., no source control)

<table>
<thead>
<tr>
<th>HCP PPE: None</th>
<th>High</th>
<th>Active</th>
<th>Exclude from work for 14 days after last exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCP PPE: Not wearing a facemask or respirator</td>
<td>High</td>
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</tbody>
</table>

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<sup>a</sup> Eye protection is defined as goggles or a face shield. Complete PPE: mask, gloves, gown, eye protection.

<sup>b</sup> Gown is defined as a single-use, fluid-resistant, disposable barrier gown, or one use only.

<sup>c</sup> Facemask is defined as a surgical mask, a procedure mask, or a medical mask.
Additional Infection Control Discussions

- EMS Provider Calls
- LTC Call
- LAB/IP Call
Community Mitigation
Dashboard

**Case Results**
- Positive: 2373 (85%)
- Negative: 14460 (55%)

**Case Map by County of Residence**

**Cases by Age Range**

<table>
<thead>
<tr>
<th>Age Range (years)</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19</td>
<td>149</td>
</tr>
<tr>
<td>20-29</td>
<td>444</td>
</tr>
<tr>
<td>30-39</td>
<td>550</td>
</tr>
<tr>
<td>40-49</td>
<td>472</td>
</tr>
<tr>
<td>50-59</td>
<td>427</td>
</tr>
<tr>
<td>60-69</td>
<td>220</td>
</tr>
<tr>
<td>70-79</td>
<td>53</td>
</tr>
<tr>
<td>80+</td>
<td>38</td>
</tr>
</tbody>
</table>

**Cases by Sex**

- Female: 1123 (47%)
- Male: 1250 (53%)

**Total Positive Cases**: 2373
**Currently Hospitalized**: 69
**Recovered**: 1492
**Deaths**: 13
Supply Chain Management
All requests for PPE from DOH must be:

• Emailed to COVIDResourceRequests@state.sd.us
• Faxed to 605.773.5942, or
• Called in to 605.773.3048 to ensure prioritization and coordination of requests.

• **Do not** duplicate your request by using all three means of communication.

• Any requests received through any other email or number will all be directed to email COVIDResourceRequests@state.sd.us OR call 605.773.3048 and requesting entities must provide information regarding their current facility status.
Current Status:

- 5119 Total Registered Volunteers
- 1,628 Volunteers have registered since March 1st, 2020

Request Process:

- Facilities should provide a detailed request to SERV SD Coordinator Adam Frerichs by phone at 605.280.9412 or email at adam.frerichs@state.sd.us.
- Based on the request the SD Dept. of Health will query the SERV SD site to identify appropriate registered volunteers based on skill set. A mass notification message will then be sent to the volunteers notifying them of the volunteer opportunity. Once a list of volunteers willing to accept this opportunity is gathered, the SD Dept. of Health will provide the information to the requesting facility.
- Once the available volunteers information has been passed on the requesting facility will then be responsible for the remainder coordination effort with the volunteer.

**It is important to remember that SERV SD is a just in time resource and the ability to fill requests for volunteers is dependent on the availability of registered volunteers.**

For further information please visit [volunteers.sd.gov](http://volunteers.sd.gov) and view the frequently asked questions or contact Adam Frerichs.
On-going Communication
Helpful Information Sources

COVID.sd.gov

coronavirus.gov

SD COVID-19 Help Line: 800-997-2880
Communications

- SD-HAN: sdhan.sd.gov
- Epi Listserv
- Lab Listserv
- HAI Listserv
- OLC Listserv

Visit COVID.sd.gov to subscribe
Questions?

COVID Helpline: 800-997-2880
Epidemiology: 605-773-3737
Laboratory: 605-773-3368

COVID.sd.gov
COVIDSD@state.sd.us