2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

September 17, 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 September 16, 2020. Please check the South Dakota Department of Health website for the most current information and guidance.

[Covid.sd.gov](https://Covid.sd.gov)
Agenda

• Situation Update
• Laboratory Guidance
• Long Term Care
• Community Mitigation
• Supply Chain Management
• On-going Communications
• Q&A Session

Note: Slides and a recording of the presentations will be posted to the website following the webinar.
Coronavirus Situation  (as of September 16, 2020)

• International
  • 29,444,198 confirmed cases
  • 931,321 deaths

• United States  (50 states + DC)
  • 6,571,867 confirmed cases in U.S.
  • 195,053 deaths

• South Dakota
  • 17,291 confirmed cases in South Dakota
  • 192 deaths
  • 14,657 recovered
Epidemiologic “Epi” Curve of COVID-19 Cases, by Onset Date

Positive Cases by Date Reported to SD-DOH

As of September 16, 2020

COVID-19 Case Map, by County

As of September 16, 2020

**Substantial Community Spread**
- Beadle
- Bennett
- Brookings
- Brown
- Clay
- Codington
- Custer
- Deuel
- Dewey
- Douglas
- Edmunds
- Fall River
- Grant
- Gregory

- Lake
- Lincoln
- McCook
- Meade
- Minnehaha
- Pennington
- Roberts
- Spink
- Tripp
- Union
- Walworth
- Yankton

26 Counties

Medical providers are recommended to test individuals with signs and symptoms compatible with COVID-19 infection, including:

- Fever or chills
- Cough
- Shortness of breath or difficulty breathing
- Fatigue
- Muscle or body aches
- Headache
- New loss of taste or smell
- Sore throat
- Congestion or runny nose
- Nausea or vomiting
- Diarrhea

As of June 18, 2020

Reporting COVID-19 Tests to SD-DOH

• **Reminder**: Coronavirus respiratory syndromes are a Category I disease

• Report **immediately** on suspicion of disease

• Reporting mechanisms:
  • Electronic Laboratory Report (ELR) – HL7 message to SD Health Link (health information exchange)
  • Flat file (CSV) – Secure email
  • Disease reporting website – [sd.gov/diseasereport](http://sd.gov/diseasereport) ➔ Help your staff know what test should be entered
  • Fax – 605.773.5509
COVID-19 Hospitalizations by Month, South Dakota, 2020

*As of September 15
Selected CDC Updates


- Indicators for Dynamic School Decision Making:  

- Implementing Safety Practices for Critical Infrastructure Workers Who May Have Had Exposure to a Person with Suspected or Confirmed COVID-19 (updated September 11, 2020):  

- Running Essential Errands (updated September 11, 2020):  
Laboratory Guidance
Statewide Priority Populations for SARS-CoV-2 Testing

It is a statewide priority that ALL individuals with symptoms of COVID-19 be tested for SARS-CoV-2 with the recommendation from a health care provider.

- Hospitalized individuals
- Healthcare workers, first responders, and active military
- Critical infrastructure workers in food manufacturing and agriculture
- Individuals in communal living settings like long-term care facilities
- Underinsured or uninsured individuals
- Low-income individuals or individuals unable to pay for testing
- Homeless individuals
SDPHL COVID-19 Testing Priorities

- **Symptomatic** hospitalized patients
- **Symptomatic** healthcare workers, first responders, and active military
- **Symptomatic** individuals in congregate living settings like long-term care facilities
- **Symptomatic** individuals with no way to pay for testing
- **Asymptomatic** participants in state-sponsored sentinel surveillance:
  - Long-term care (staff and residents)
  - K-12 schools (adults)
  - Tribes (October 1, 2020)
FDA EUA Updates

- FDA has issued Emergency Use Authorization for the following:
  - 162 (2): Molecular Diagnostic Tests for SARS-CoV-2
  - 45 (2): Serological Tests
  - 35: Molecular-Based Laboratory Developed Tests for SARS-CoV-2
  - 4: Antigen Diagnostic Tests for SARS-CoV-2

- This week, DOH will review the recent request for information released by the Office of the Assistant Secretary of Health

- On 9/24, DOH will review the Abbott BinaxNow SARS-CoV-2 antigen test
The Office of the Assistant Secretary for Health released a Request for Information on September 10, 2020.

The intent of the Request is to obtain information about the ability of CLIA-approved laboratories to provide additional COVID-19 testing capability if supplementary testing instruments from Thermo Fisher Scientific were made available.
HHS Request for Information

The Office of the Assistant Secretary for Health released a Request for Information on September 10, 2020. The purpose of the RFI is to obtain information about the ability of CLIA-approved laboratories to provide additional COVID-19 testing capability if supplementary testing instruments from Thermo Fisher Scientific were made available.

Q: What laboratories should respond to the RFI?
A: CLIA-certified commercial, academic, medical center, and public health laboratories [with the capability to perform high-complexity diagnostic testing]
HHS Request for Information

Q: What instruments are offered for SARS-CoV-2 testing by Thermo Fisher Scientific?

A: Nucleic acid extraction and real-time PCR equipment such as:

**Nucleic acid extraction:**
- Automated extraction: KingFisher Flex Purification System
- Manual extraction: Invitrogen Magnetic Stand-96

**Real-time PCR:**
- Applied Biosystems 7500, 7500 Fast, 7500 Fast Dx
- QuantStudio 5 Flex or 7 Flex
Thermo Fisher Scientific Instrumentation

KingFisher Flex
Nucleic Acid Purification System

ABI 7500 Fast Dx
Real-Time PCR Instrument
HHS Request for Information

Q: What information should be included in the RFI?
A: HHS asks that you provide the following:

1. Do you represent a CLIA-certified or accredited laboratory?
2. What is your current laboratory testing capacity (e.g., installed base of platforms, throughput, level of personnel)?
3. What is your current ability to accession specimens and report out laboratory results in no less than 24-48 hours?
4. What level of additional capacity could your laboratory provide if additional testing instruments were made available?
5. What instruments and other equipment do you need?
6. What is your timeline for implementation of increased capacity if instrumentation is provided?
Q: When is the deadline for RFI submission?
A: September 21, 2020

Q: Where can I find more information about the RFI?
A: Additional information can be found on the Federal Register website including PDF
Long Term Care
Disease Impact – United States as of 08.30.20

Resident Cases and Deaths

- Total COVID-19 Confirmed Cases: 216,219
- Total COVID-19 Suspected Cases: 129,338
- Total COVID-19 Deaths: 53,196

Not on the slide presentation

Long Term Care in South Dakota

- Total Cases in LTC/Residential Living – 543 (+68)
- Total Active Cases – 112 (+20)
- Total Deaths in LTC/Residential – 99 (+8)
- Total NH/ALC with Case – 104 (+6)
- Total Case in Staff – 423 (+35)
- Total Active Cases in Staff – 52 (-11)
- Total Staff Hospitalized – 14 (+1)
This rule establishes Nursing Home testing requirements for staff and residents. Specifically,
- Facilities are required to test staff on a routine basis, during an outbreak, or if symptomatic.
- Facilities are to test residents during an outbreak or if they are symptomatic. Routine testing of asymptomatic residents is not recommended by regulation.
- Facility staff is defined as employees, consultants, contractors, volunteers, and caregivers who provide care and services to residents on behalf of the facility, and students in the facility’s nurse aide training programs or from affiliated academic institutions.
- Testing provides an opportunity to identify cases quickly and to prevent transmission to others.

Testing Frequency - based on the extent of the virus in the community (county)

- County positivity rate will be sent out through the OLC Listserv every Monday
  - **Community Activity Low** (<5%) test all staff once per month.
  - **Community Activity Medium** (5-10%) test all staff once per week.
  - **Community Activity High** (>10%) test all staff twice per week.
  - This frequency presumes availability of Point of Care testing on-site at the nursing home or where off-site lab testing is available.


CMS – Compliance – to meet the intent of the requirement

- Please keep in mind the intent of the regulation and how best to protect residents.
- Facilities can meet the testing requirements through the use of rapid Point-of-Care (POC) diagnostic testing devices or through an arrangement with an offsite laboratory.
  - The labs of choice may include Avera, LabCorp, Monument, or Sanford.
  - Use the federal funds through the CARES Act to help support your routine testing efforts.
  - The South Dakota Public Health Lab will not conduct routine testing in Nursing Homes.
CMS - Compliance

- Providers should have a testing plan for routine staff testing and outbreak testing of residents and staff.
- Continue Sentinel Testing if you do not have a POC device or arrangement with a lab for routine testing.
Documentation

- Symptomatic residents and staff.
- Identification of a new COVID case.
- Routine testing of staff.
- If you do not have access to a Point-of-Care testing device or a n arrangement laboratory to support the CMS testing.
- If no access to a lab for testing, you can revert to Sentinel testing or PPS testing when responding to positive cases in their facility (like the current practice).
Infection Prevention
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
- N95 or higher respirator

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

cdc.gov/COVID19

Community Mitigation
<table>
<thead>
<tr>
<th>SD Overview</th>
<th>Demographics</th>
<th>Hospital Capacity</th>
<th>Trends</th>
<th>Tables</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Cases Today</strong></td>
<td><strong>Total Cases</strong></td>
<td><strong>Active Cases</strong></td>
<td><strong>Recovered Cases</strong></td>
<td></td>
</tr>
<tr>
<td>297</td>
<td>17,291</td>
<td>2,442</td>
<td>14,657</td>
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</tr>
<tr>
<td><strong>Currently Hospitalized</strong></td>
<td><strong>Total Persons Tested</strong></td>
<td><strong>Ever Hospitalized</strong></td>
<td><strong>Deaths</strong></td>
<td></td>
</tr>
<tr>
<td>139</td>
<td>169,655</td>
<td>1,211</td>
<td>192</td>
<td></td>
</tr>
<tr>
<td>106%</td>
<td>122%</td>
<td>82%</td>
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</tbody>
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**Test Positivity Rate**:
- Last 1 Day: 10.1%
- Last 7 Days: 11.0%
- Last 14 Days: 11.4%
- Cumulative: 8.5%

*Test Positivity Rate: This rate is equal to the number of Positive Tests divided by Total Tests, within specified period of time.*

**14-Day Trend of Positive Cases by Date Reported to SD-DOH**

<table>
<thead>
<tr>
<th>Date Reported to SD-DOH</th>
<th>Positive Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sep 01</td>
<td>322</td>
</tr>
<tr>
<td>Sep 02</td>
<td>221</td>
</tr>
<tr>
<td>Sep 03</td>
<td>301</td>
</tr>
<tr>
<td>Sep 04</td>
<td>190</td>
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<td>Sep 05</td>
<td>124</td>
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<td>Sep 06</td>
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<tr>
<td>Sep 07</td>
<td>283</td>
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<tr>
<td>Sep 08</td>
<td>238</td>
</tr>
<tr>
<td>Sep 09</td>
<td>179</td>
</tr>
<tr>
<td>Sep 10</td>
<td>222</td>
</tr>
</tbody>
</table>

Updated September 16, 2020
Supply Chain Management
PPE Request Procedure

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.
On-going Communication
Helpful sources of information:

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?

Follow-up after the webinar
COVID Helpline: 800-997-2880
Epidemiology: 605-773-3737
Laboratory: 605-773-3368

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