Return To Campus - COVID-19 updates

08-17-21
Agenda:

Dr. Kara McCormick, COVID-19 Epidemiologist – Education Team
  COVID-19 Situation Update
  CDC Mitigation Recommendations

Dr. Tim Southern, Director, South Dakota Public Health Laboratory
  Testing & Screening Overview

Cassie Deffenbaugh, Administrator, Office of Disease Prevention Services
  Contact Tracing Updates

Tim Heath, Immunization Program Manager
  Vaccination Overview & Opportunities
Delta variant has rapidly become the predominant variant across our region.
Last Updated 8-16-21

### Community Spread

<table>
<thead>
<tr>
<th>Community Spread</th>
<th>Number of Counties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>12</td>
</tr>
<tr>
<td>Moderate</td>
<td>15</td>
</tr>
<tr>
<td>Substantial</td>
<td>6</td>
</tr>
<tr>
<td>High</td>
<td>33</td>
</tr>
</tbody>
</table>

**PCR Test Positive Rate by Date Reported to SD-DOH:** This graph shows % PCR Test Positivity Rate which is equal to the number of positive PCR tests divided by total PCR tests, within the specified period of time. Table view data also shows total positive tests and total tests which includes combined antigen and PCR test data.

**Cases by Date Reported to SD-DOH**

- **Case Count:** Number of cases reported over time.
- **7-Day Moving Average:** Smoothed case count to show trends.

**Indicators - If the two indicators suggest different transmission levels, the higher level is selected**

- **Total new cases per 100,000 persons in the past 7 days:**
  - Low Transmission Blue: 0-9.99
  - Moderate Transmission Yellow: 10-49.99
  - Substantial Transmission Orange: 50-99.99
  - High Transmission Red: ≥100

- **Percentage of NAATs1 that are positive during the past 7 days:**
  - Low Transmission Blue: 0-4.99%
  - Moderate Transmission Yellow: 5-7.99%
  - Substantial Transmission Orange: 8-9.99%
  - High Transmission Red: ≥10.0%

1. NAATs: Nucleic acid amplification tests.
COVID-19 Cases* Within South Dakota Colleges, Universities, and Technical Colleges

PROVISIONAL

4,171 Total Cases
4,164 Recovered
3,498 Students
673 Staff

Week Reported to SD-DOH

Cases by Date Reported to SD-DOH

* Includes cases reported to the South Dakota Department of Health (SD-DOH) starting August 9
** Includes accredited colleges, universities, and technical colleges
COVID-19 Prevention Strategies Most Important for Safe In-Person Learning

- Offering and promoting vaccination
- Consistent and correct use of masks
- Physical distancing
- Handwashing and respiratory etiquette
- Contact tracing in combination with isolation and quarantine
- Testing for COVID-19
- Maintaining healthy environments (increased ventilation and cleaning)
- Maintaining healthy operations (communications, supportive policies and health equity)

CDC recommends the following approaches be layered for greatest impact.

Decision-makers should consider which prevention strategies will be most effective in their locality.
COVID-19 Testing Updates for Higher Education
College and University COVID-19 Testing Summary

- Colleges and Universities in South Dakota have used a variety of SARS-CoV-2 tests over the past year.
- The South Dakota Department of Health provided Abbott ID NOW instruments and tests in August 2020 to support testing on-campus or by a healthcare partner in the community.
- SDDOH also provided Abbott BinaxNOW COVID-19 Antigen testing supplies and Vault Health saliva testing supplies during the 20-21 academic year.
- SDDOH will continue to support SARS-CoV-2 testing with both testing supplies and financial support for colleges and universities to purchase their own supplies.
- The following slides will summarize testing opportunities provided by SDDOH for South Dakota colleges and universities.
COVID-19 Testing Program Development

1. **Consent:** Establish a testing consent process in consultation with legal counsel; SDDOH has a written consent template for use.

2. **Location:** Identify a location in your facility to perform testing that is away from high-traffic areas, allows easy access, and can be sanitized between each test performed.

3. **Training:** Train staff to perform the SARS-CoV-2 test; training materials are available from each test manufacturer.

4. **Specimen Collection and Testing:** Provide testing to the appropriate patient group(s) using personal protective equipment (PPE) and with strict adherence to test instructions.

5. **Waste Management:** Dispose of infectious waste including PPE and used test materials safely and immediately.

6. **Data Reporting:** Report all data to the South Dakota Department of Health using the department’s [online disease reporting tool](https://www.sd.gov/health/).
## DOH-Sponsored COVID Testing Opportunities

<table>
<thead>
<tr>
<th>Test</th>
<th>Test Type</th>
<th>Instrument?</th>
<th>CLIA Cert?</th>
<th>Medical Order?</th>
<th>Telemed?</th>
<th>Supplies from DOH?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbott ID Now</td>
<td>Molecular</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No (Abbott)</td>
</tr>
<tr>
<td>Abbott BinaxNOW</td>
<td>Antigen</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Vault Health</td>
<td>Molecular</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>No (Vault)</td>
</tr>
<tr>
<td>Quidel QuickVue OTC</td>
<td>Antigen</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Abbott ID Now

Abbott BinaxNOW

Vault Health

Quidel QuickVue OTC
### DOH-Sponsored COVID Testing Opportunities

<table>
<thead>
<tr>
<th>Test</th>
<th>Who can be tested?</th>
<th>Specimen Type</th>
<th>Self Collect?</th>
<th>Perform On-site?</th>
<th>Send Home?</th>
<th>Immediate Results?</th>
<th>Report to DOH?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbott ID Now</td>
<td>Sym/Asym</td>
<td>Nasal</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Abbott BinaxNOW</td>
<td>Sym/Asym</td>
<td>Nasal</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Vault Health</td>
<td>Sym/Asym</td>
<td>Saliva</td>
<td>Yes</td>
<td>No</td>
<td>Yes/No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Quidel QuickVue OTC</td>
<td>Sym/Asym</td>
<td>Nasal</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Abbott ID Now**

**Abbott BinaxNOW**

**Vault Health**

**Quidel QuickVue OTC**
Abbott ID NOW Molecular Test
Open the ID Now instrument lid.

Insert the orange test base.

Insert the blue sample receiver.

Do not open the sample receiver before placing in the instrument.

Open the blue sample receiver and gently stir sample receiver buffer with patient swab.

Insert transfer cartridge into blue sample receiver. Transfer white sample transfer cartridge to the orange test base.
Abbott ID NOW Overview

6 Close the lid.

7 The ID Now will provide one of three results including: Positive, Negative, or Invalid.
Abbott ID NOW Overview

Remove the white sample transfer cartridge that is attached to the orange test base.

Insert into the blue sample receiver.

Discard entire assembly.
Abbott BinaxNOW Antigen Test
Abbott BinaxNOW Overview

1. Add the extraction reagent
2. Insert the sample nasal swab
3. Rotate the nasal swab shaft three times
4. Close the test card; wait 15 minutes
5. Results are read visually

- Positive result: Pink/purple control line, pink/purple sample line
- Negative result: Only pink/purple control line
Quidel QuickVue OTC Antigen Test
New Testing Opportunity: Quidel QuickVue OTC Test

- For the 21-22 academic year, SDDOH is introducing the Quidel QuickVue over-the-counter (OTC) test.

- Quidel QuickVue OTC COVID Test:
  - Can be performed on symptomatic and asymptomatic individuals.
  - Does not require a CLIA Certificate of Waiver to perform the test.
  - Does not require a prescription or medical order.
  - Does not require an instrument, meter, or smart device to perform the test.
  - Takes approximately 10 minutes to complete.
  - Specimens can be self-collected by individuals ≥14 years of age.
  - With adult guidance, the test can be performed on individuals ≥2 years of age.
Quidel QuickView OTC Overview
Contact Information and Supply Requests
Testing Supplies for Colleges and Universities

• Testing supplies outlined in this presentation can be requested from the following:
  – Abbott BinaxNOW Test Kits: Laurie.Gregg@state.sd.us
  – Vault Health Specimen Collection Kits: Joan.Adam@state.sd.us
  – Abbott ID NOW Test Kits: Dorothy.Ahten@abbott.com
Testing Supplies for Colleges and Universities

• Higher education institutions that want to receive Quidel QuickVue OTC kits are asked to provide the following:
  – Point-of-Contact Name
  – POC Email Address
  – POC Phone Number (daytime; after-hours)
  – Estimated Kits Required
  – Anticipate Scenarios for OTC Test Kit Use

• Institutions are asked to send Quidel QuickVue requests to the following:
  – Colleges and Universities: Janelle.Toman@sdbor.edu
  – Technical Colleges: Scott.DesLauriers@state.sd.us
Important Contact Information

Program Points-of-Contact:
• Colleges and Universities:  Janelle.Toman@sdbor.edu
• Technical Colleges:  Scott.DesLauriers@state.sd.us
• Department of Health:  Joan.Adam@state.sd.us
• Public Health Laboratory:  Tim.Southern@state.sd.us

Supply Chain Points-of Contact:
• Abbott BinaxNOW Supply Request:  Laurie.Gregg@state.sd.us
• Quidel QuickVue OTC Supply Request:  Laurie.Gregg@state.sd.us
• Vault Health Supply Request:  Joan.Adam@state.sd.us
• Abbott ID NOW Supply Request:  Dorothy.Ahten@abbott.com
Contact Tracing, 2021-2022

Criteria for release from isolation (Positive Patient):

- At least 10 days have passed since symptoms first appeared AND
- At 24 hours have passed since resolution of fever without the use of fever-reducing medications AND
- Symptoms have improved

*If an individual tests positive for COVID-19 but does not have symptoms, the individual should isolate until after 10 days have passed since the date tested resulting in positive test

Quarantine Guidance (Close Contact):

- Stay home for 10 days after last contact with person who has COVID-19
- Monitor for fever (100.4 F), cough, shortness of breath, or other symptoms of COVID-19
- If possible, stay away from household members, especially people who are at higher risk for getting very sick from COVID-19
- If at any point during quarantine, the close contact begins experiencing symptoms, they should consult with their healthcare provider and test

*This quarantine guidance is not applicable to individuals as outlined in the "Contact Tracing Reminder" slide under “Additional Quarantine Exceptions”.
Contact Tracing, 2021-2022

- **Close Contact Definition**
  - Someone who was within 6 feet of an infected person for a cumulative total of 15 minutes or more over a 24-hour period, unless the individual has been fully vaccinated and remain without symptoms.
  - An infected person can spread SARS-CoV-2 starting from 2 days before they have any symptoms (or, for asymptomatic patients, 2 days before the positive specimen collection date), until they meet criteria for discontinuing home isolation.
Contact Tracing Reminders

Testing out of Quarantine:
- A close contact who remains without symptoms following exposure to COVID-19, may test on day 5 or later from date of last exposure. If test is negative and the close contact remains without symptoms, the close contact can resume normal activities after day 7 and continue monitoring for symptoms.
- If at any point during quarantine, the close contact begins experiencing symptoms, they should consult with their healthcare provider and test.

Additional Quarantine Exceptions:
Anyone who has had close contact with someone with COVID-19 and who meets the following criteria does NOT need to stay home.
- Someone who has been fully vaccinated and shows no symptoms of COVID-19
  - NEW GUIDANCE as of 7/27/21: Recommendation added for fully vaccinated people who have a known exposure to someone with suspected or confirmed COVID-19 to be tested 3-5 days after exposure, and to wear a mask in public indoor settings for 14 days or until they receive a negative test result.
- OR
  - Someone who has COVID-19 illness within the previous 3 months AND
  - Has recovered AND
  - Remains without COVID-19 symptoms (for example, cough, shortness of breath)
- OR
  - Someone who has had a positive COVID-19 antibody test within the 3 months before or immediately following an exposure to someone with suspected or confirmed COVID-19 AND
  - Remains without COVID-19 symptoms (for example, cough, shortness of breath)
Contact Tracing Process

The process will remain the same as 20-21 school year

- Informing of and confirming positive cases
- Workbooks for close contacts
- Technical assistance, guidance and consultation
- POCs and Strike Leads – These POCs may have changed from last year. POCs will reach out to the designated POC in the upcoming weeks prior to school
- Changes to guidance remain ongoing
- As guidance is released, SD-DOH will review and evaluate implementation
### Doses Administered/Vaccine Coverage

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th># of Doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janssen</td>
<td>26,002</td>
</tr>
<tr>
<td>Moderna</td>
<td>307,807</td>
</tr>
<tr>
<td>Pfizer</td>
<td>398,826</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Doses</th>
<th># of Recipients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janssen - Series Complete</td>
<td>26,002</td>
</tr>
<tr>
<td>Moderna - 1 dose</td>
<td>10,635</td>
</tr>
<tr>
<td>Moderna - Series Complete</td>
<td>148,582</td>
</tr>
<tr>
<td>Pfizer - 1 dose</td>
<td>18,591</td>
</tr>
<tr>
<td>Pfizer - Series Complete</td>
<td>190,116</td>
</tr>
</tbody>
</table>

Percent of State Population with at least 1 Dose: **60%**

Based on 2019 Census Estimate for those aged 12+ years.
Doses Administered by Vaccine

- Pfizer: 465,309
- Moderna: 368,627
- Janssen: 28,819
- Vaccine Unknown: 37
Campus/School Vaccination

- DOH working on process to request on site vaccination
- DOH will have three hospital systems and two pharmacy systems available to provide vaccination services
- Vaccines, administration supplies, and ancillary supplies provided
- Vaccine is free
- Persons under 18 would need parental/guardian consent
Quidel QuickVue OTC Antigen Test
Detailed Instructions
Quidel QuickView OTC Overview

**STEP 1:** Check Your Test Kit

Locate the kit components:
- It is recommended gloves (not provided) also be used during testing.

- Tubes
- Tube Holder
- Swabs (not included)
- Watch or Timer (not included)
- Test Strips
Quidel QuickView OTC Overview

**STEP 2:**
Place Tube in the Tube Holder

Remove cap from one TUBE and place it in the TUBE HOLDER.

**NOTE:** Use of gloves is recommended.
**Quidel QuickView OTC Overview**

**STEP 3: Swab the Nostrils**

A. Remove the **SWAB** from its wrapper, being careful not to touch the **SWAB** head.

B. Gently insert the **SWAB** ⅛ to ⅜ of an inch into the nostril, depending on the size of the person’s nose. Firmly rub the **SWAB** in a circular motion around the inside wall of **EACH NOSTRIL** at least 4 times.

Be sure to rub BOTH nostrils with the SAME SWAB.

**NOTE:** If you are swabbing others, please wear a face mask. With children, you may not need to insert the swab as far into the nostril. For very young children, you may need another person to steady the child’s head while swabbing.

**NOTE:** Failure to swab properly may cause false negative results.
QUIDEL QuickView OTC Overview

STEP 4: Place Swab in the Tube

A. Immediately place the **SWAB** into the liquid inside the **TUBE**, and ensure it is touching the bottom. Stir 3-4 times.

B. Leave the swab in the solution for **ONE MINUTE**.

**NOTE:** If the swab is in the solution for more than 10-minutes it should not be used.

Leave swab in at least 1 minute!
Quidel QuickView OTC Overview

**STEP 5:** Remove Swab from the Tube

**A** After **ONE MINUTE**, remove the swab from the TUBE by rubbing the swab head against the inside wall of the tube to squeeze out as much liquid as possible.

**B** Dispose of swab in the trash.
Quidel QuickView OTC Overview

STEP 6: Open the Test Strip

Open the TEST STRIP pouch carefully at the slit and hold the TEST STRIP as indicated.
**Quidel QuickView OTC Overview**

**STEP 7:**
Place Test Strip in the Tube

Place the **TEST STRIP** into the **TUBE** with the arrows pointing down. Leave the strip in the **TUBE** for a **FULL TEN MINUTES**—do not handle or remove.

**10**

Leave strip in at least 10 minutes!
STEP 8: Remove Test Strip from the Tube

At TEN MINUTES, remove the TEST STRIP from the TUBE and place on the test strip outline in Steps 10-12. Ensure the TEST STRIP is on a flat surface in good lighting.

NOTE: The test is intended to be read at 10 minutes. If the test is read before this or is read more than 5 minutes after the indicated read time, results may be inaccurate (false negative, false positive, or invalid) and the test should be repeated.
Quidel QuickView OTC Overview

**STEP 9: Check Your Results**

There are three types of results possible.

1. Check for a Positive Result
2. Check for a Negative Result
3. Check for an Invalid Result

**Positive Result**
A POSITIVE result must show BOTH a BLUE line and a PINK line near the BLUE line.
Look closely! Even a very faint, pink Test Line and a blue Control Line is a POSITIVE result.
The intensity of the lines may vary.

**Negative Result**
A NEGATIVE result will show a BLUE line but NO PINK line.

**Invalid Result**
If there is NO LINE, or if there is ONLY a PINK line, the test is INVALID and you should repeat the steps starting at the beginning using a new TUBE, SWAB, and TEST STRIP.
Quidel QuickView OTC Overview

**STEP 13:**
Dispose Used Test in the Trash

All used test components should be disposed of in your household waste.