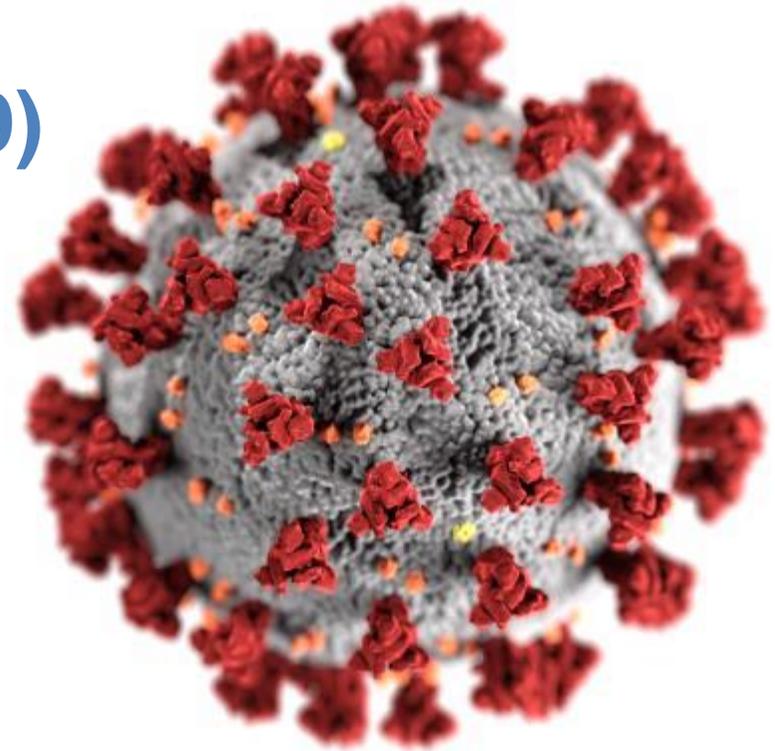


2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

July 2, 2020



We will begin in just a few moments. Thanks!



SOUTH DAKOTA DEPARTMENT OF HEALTH

This is an **emerging, rapidly evolving situation**. Information in this presentation is current as of July 2, 2020. Please check the South Dakota Department of Health website for the most current information and guidance.

[COVID.sd.gov](https://www.southdakota.gov/covid-19)

Agenda

- Situation Update
- Laboratory Guidance
- Infection Prevention
- 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.



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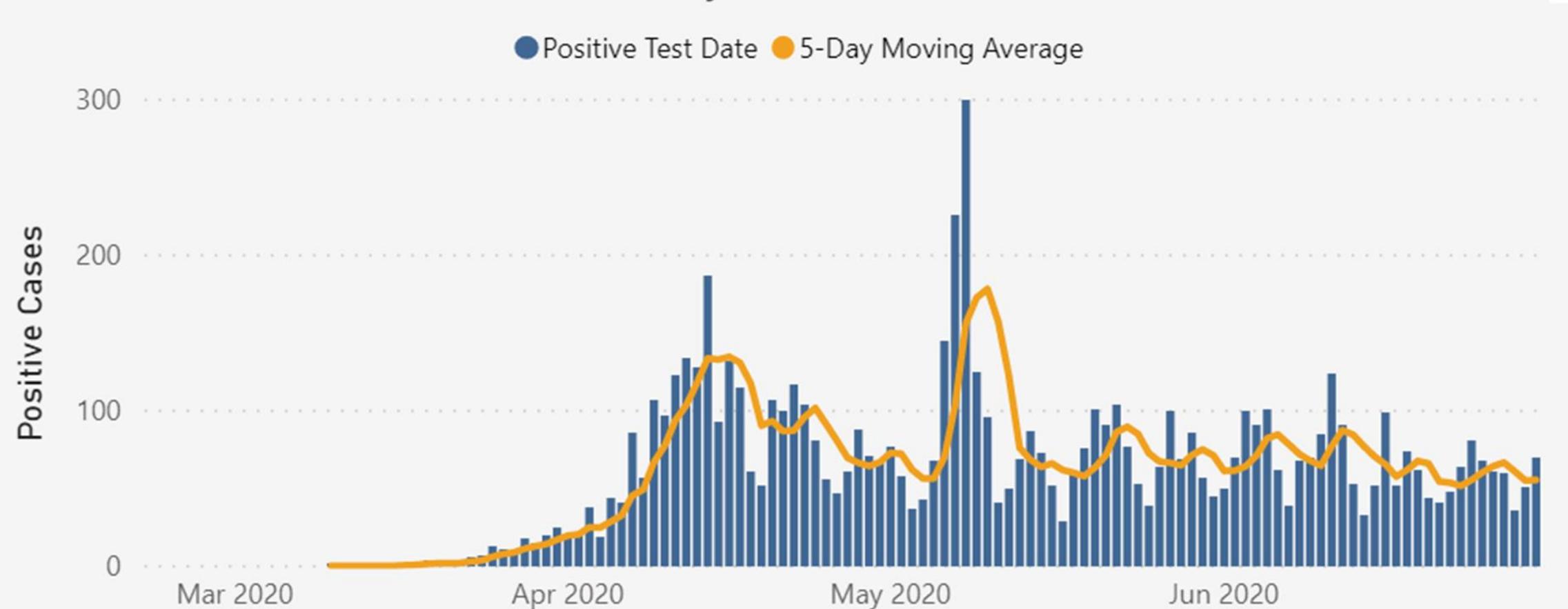
Situation Update

Coronavirus Situation (as of July 2, 2020)

- International
 - 10,357,662 confirmed cases - N & S America account for 50% of cases and deaths
 - 508,055 deaths
- United States (50 states + DC)
 - 2,624,873 confirmed cases in U.S.
 - 127,299 deaths
- South Dakota
 - 6,826 confirmed cases in South Dakota
 - 93 deaths
 - 5,933 recovered

Epidemiologic “Epi” Curve of COVID-19 Cases, by Onset Date

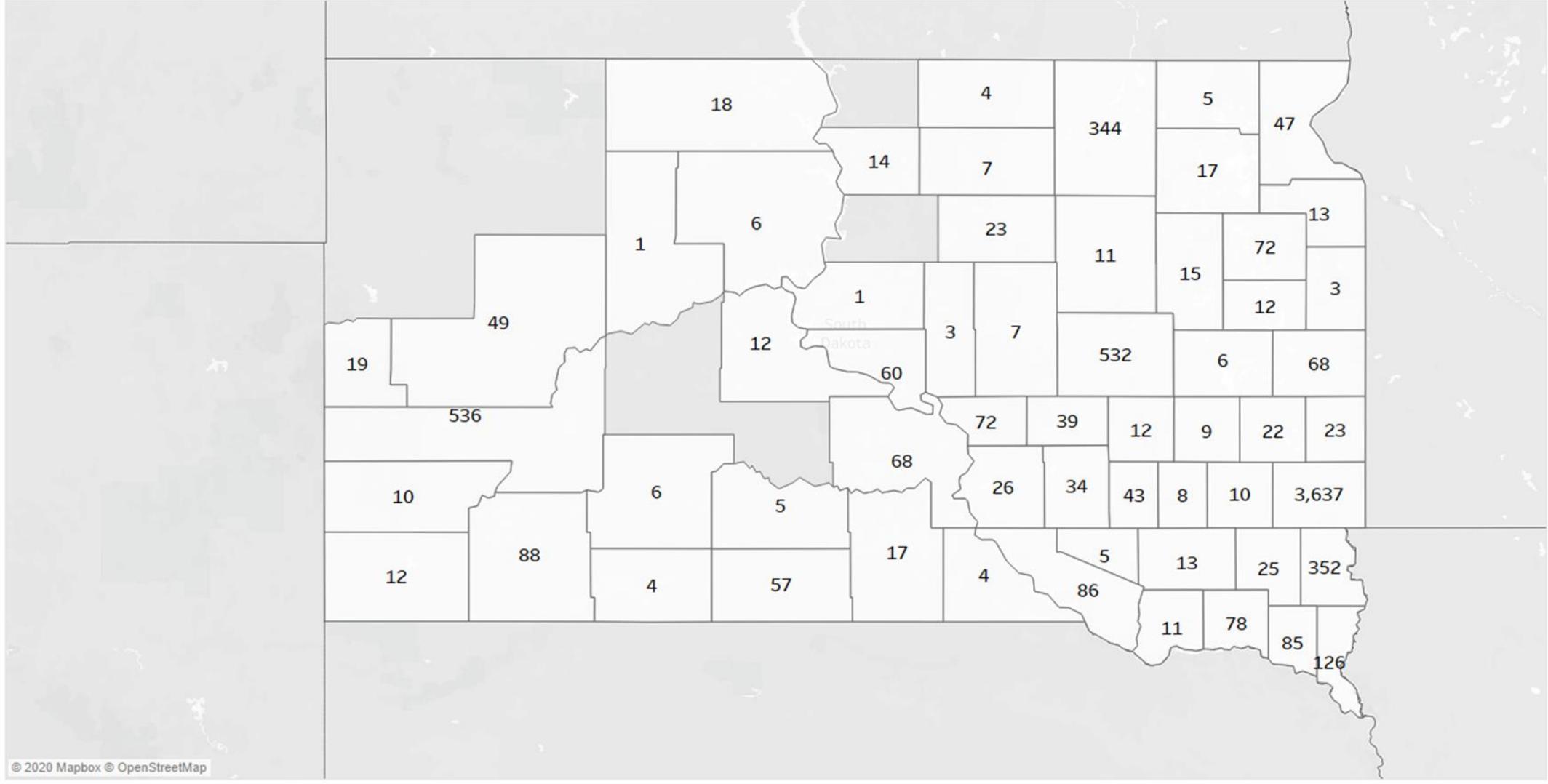
Positive Cases in South Dakota by Date



COVID-19 Cases, by County

As of July 2, 2020

Cases by County



© 2020 Mapbox © OpenStreetMap

June 2020 Testing Goal

GOAL: 5% of SD Population **per Month**

Total SD population (2019 Estimate): 884,659

Number Needed to Achieve Monthly Goal: 44,233

Daily Average Needed to Achieve Monthly Goal: 1,475



General Testing Recommendations

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

<https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html>



Testing of Close Contacts to Cases

- Symptomatic close contacts to a COVID-19 case: **Seek medical evaluation and, if appropriate, testing**
- Asymptomatic close contacts to a COVID-19 case: **Seek medical evaluation and, if appropriate, test Priority 1 close contacts** (*SD-DOH can help support testing of Priority 1*)

<https://www.cdc.gov/coronavirus/2019-ncov/downloads/case-investigation-contact-tracing.pdf>

Priority Testing for Asymptomatic Close Contacts

- **Priority 1**

- Hospitalized patients
- Healthcare personnel
- First responders (e.g., EMS, law enforcement, firefighters)
- Individuals living or working in acute care, skilled nursing, mental health, and long-term care facilities
- Individuals living or working in community congregate settings (e.g., correctional facilities, homeless shelters, educational institutions, mass gatherings, and workplaces)
- Members of a large household living in close quarters
- Individuals who live in or provide care in a household with a higher risk individual

- **Priority 2**

- Critical infrastructure workers
- Individuals 65 years of age and older
- Individuals at higher risk of severe disease
- Pregnant women



Selected CDC Guidance Update

- Testing in Homeless Shelters

<https://www.cdc.gov/coronavirus/2019-ncov/community/homeless-shelters/testing.html>

- Multi-system Inflammatory Syndrome Infographic

<https://www.cdc.gov/coronavirus/2019-ncov/covid-data/infographic-mis-c.html>

- Framework for Providing non-COVID-19 Clinical Care

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/framework-non-COVID-care.html>

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/non-us-settings/hcf-visitors.html>

- Considerations for Restaurants and Bars

<https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/business-employers/bars-restaurants.html>

- Considerations for K-12 School Administrators & Higher Education Administrators

<https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/k-12-testing.html>

<https://www.cdc.gov/coronavirus/2019-ncov/community/colleges-universities/ihe-testing.html>

- Considerations for Retirement Communities and Independent Living

<https://www.cdc.gov/coronavirus/2019-ncov/community/retirement/index.html>

<https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>

	None to Minimal	Minimal to Moderate	Moderate to Substantial
Community Transmission Description	Isolated cases or limited community transmission; case investigations under way; no evidence of exposure in large communal setting	Sustained transmission that is not large-scale but with high likelihood or confirmed exposure in communal settings and with the potential for rapid increase in cases	Large-scale, uncontrolled or controlled community transmission, including in communal settings
Baseline Activities	Conduct regular case identification and investigation*	Increase access to testing at the site according to designated criteria**	Consider initial and regular facility-wide testing
When to Conduct Facility-wide Testing	A laboratory-confirmed case is identified at the site, or A laboratory-confirmed case is identified in a sentinel site***, or A cluster of probable cases at the site exceeds a pre-determined threshold, or A site is identified in location-based contact tracing		No trigger needed; follow-up testing triggered if cases are identified

Selected CDC Guidance Update

- Considerations for Wearing Cloth Face Coverings

<https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/cloth-face-cover-guidance.html>

- Considerations for Travelers in the US

<https://www.cdc.gov/coronavirus/2019-ncov/travelers/travel-in-the-us.html>

- Guidance for Direct Services Providers

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/direct-service-providers.html>

<https://www.cdc.gov/coronavirus/2019-ncov/whats-new-all.html>





GUIDANCE ON INTERPRETING COVID-19 TEST RESULTS

Interpreting Test Results

	RESULT	INTERPRETATION	RECOMMENDED ACTION
VIRAL TESTING: (testing for current infection)	Positive	<i>Most likely*</i> you DO currently have an active COVID-19 infection and can give the virus to others.	<u>Stay home*</u> and follow <u>CDC guidance</u> on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.
	Negative	<i>Most likely*</i> you DO NOT currently have an active COVID-19 infection.	If you have symptoms, you should keep monitoring symptoms and seek medical advice about staying home and if you need to get tested again. If you don't have symptoms, you should get tested again only if your medical provider and/or workplace tells you to. <u>Take steps to protect yourself and others.</u>
ANTIBODY TESTING: (testing for past infection with the virus)	Positive:	You <i>likely*</i> have HAD a COVID-19 infection.	You may be protected from re-infection (have immunity), but this cannot be said with certainty. Scientists are conducting studies now to provide more information. <u>Take steps to protect yourself and others.</u>
	Negative	You <i>likely*</i> NEVER HAD (or have not yet developed antibodies to) COVID-19 infection.	You could still get COVID-19. <u>Take steps to protect yourself and others.</u>
BOTH (antibody and viral testing)	Viral Positive, Antibody Positive:	<i>Most likely*</i> you DO currently have an active COVID-19 infection and can give the virus to others.	<u>Stay home*</u> and follow <u>CDC guidance</u> on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.
	Viral Positive, Antibody Negative	<i>Most likely*</i> you DO currently have an active COVID-19 infection and can give the virus to others.	<u>Stay home*</u> and follow <u>CDC guidance</u> on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.
	Viral Negative, Antibody Positive	You <i>likely*</i> have HAD and RECOVERED FROM a COVID-19 infection.	You may be protected from re-infection (have immunity), but this cannot be said with certainty. Scientists are conducting studies now to provide more information. You should get tested again only if your medical provider and/or workplace tells you to. <u>Take steps to protect yourself and others.</u>
	Viral Negative, Antibody Negative	You <i>likely*</i> have NEVER HAD a COVID-19 infection.	You could still get COVID-19. You should get tested again only if your medical provider and/or workplace tells you to. <u>Take steps to protect yourself and others.</u>

**No test is ever perfect. All tests occasionally result in false positive results (the test result should be negative because you DO NOT have COVID-19 but comes back positive) or false negative results (the test result should be positive because you DO have COVID-19, but comes back negative). Sometimes the results are not definitive (the result is unclear, and you don't know if it is positive or negative). For this and other reasons, results should always be reviewed by a healthcare professional.*

†Viral tests are typically performed on respiratory specimens such as nasal swabs or throat swabs. They test for the presence of the virus, usually by testing for the virus's RNA or sometimes by testing for the virus's proteins ("antigen testing"). Antigen testing may be less sensitive than tests for the virus's RNA. If your antigen test is negative, please ask your healthcare provider if additional testing with an RNA test is needed and how long you should stay home.

‡Antibody testing, also called "serologic testing" or "serology", is typically performed on a blood sample. Ideally, the results show whether you have ever been infected with the virus in the past or may be currently infected. Antibody tests check for antibodies that appear in the blood between about one and three weeks after symptom onset and may remain as long as a lifetime. Antibody tests may be positive while a person is infected. It is not yet known whether these antibodies protect against reinfection with the COVID-19 virus. For many other similar viruses, antibodies are protective for years or longer, but we do not yet have adequate data to know for COVID-19.

[https://www.whitehouse.gov/wp-](https://www.whitehouse.gov/wp-content/uploads/2020/05/Testing-Guidance.pdf)

[content/uploads/2020/05/Testing-Guidance.pdf](https://www.whitehouse.gov/wp-content/uploads/2020/05/Testing-Guidance.pdf)

Face Mask Use and Aerosol Generation



<https://www.fau.edu/newsdesk/articles/efficacy-facemasks-coronavirus.php>



SOUTH DAKOTA DEPARTMENT OF HEALTH



Laboratory Guidance

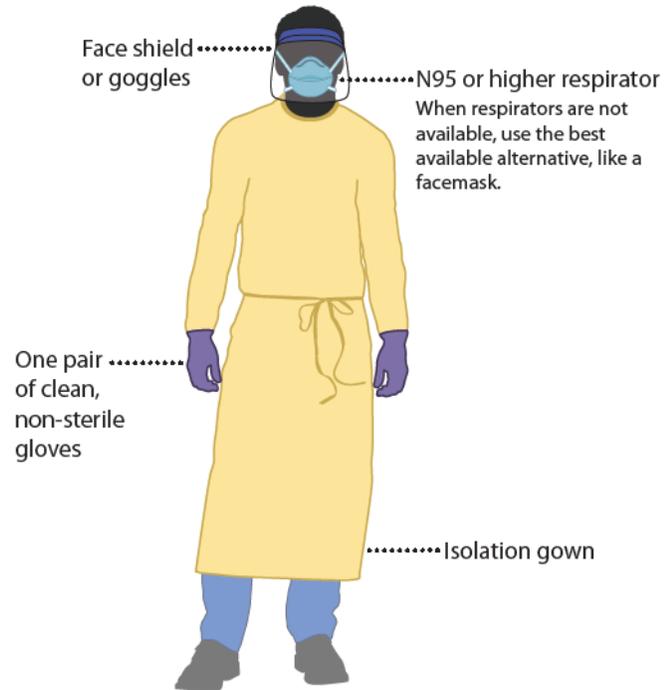
SDPHL Days of Operation and Courier Schedule

- SDPHL will not provide courier service or testing Saturday, July 4 or Sunday, July 5
- Courier service and testing will resume Monday-Saturday beginning Monday, July 6

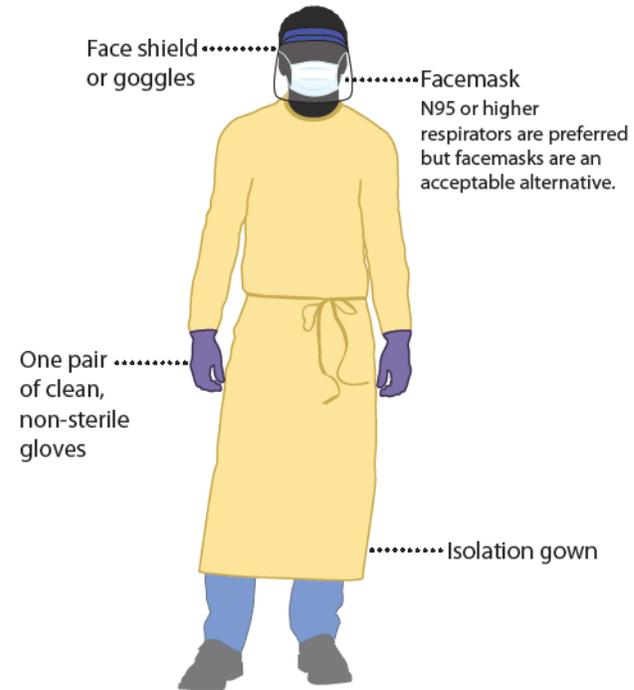
Infection Control

COVID-19 Personal Protective Equipment (PPE) for Healthcare Personnel

Preferred PPE – Use N95 or Higher Respirator



Acceptable Alternative PPE – Use Facemask



CS 315836-C 03/23/2020

[cdc.gov/COVID19](https://www.cdc.gov/COVID19)



Interim U.S. Guidance for Risk Assessment and Work Restrictions for Healthcare Personnel with Potential Exposure to COVID-19 (Update 5/23 & 5/29)

Exposure	Personal Protective Equipment Used	Work Restrictions
<p>HCP who had prolonged¹ close contact² with a patient, visitor, or HCP with confirmed COVID-19³</p>	<ul style="list-style-type: none"> • HCP not wearing a respirator or facemask⁴ • HCP not wearing eye protection if the person with COVID-19 was not wearing a cloth face covering or facemask • HCP not wearing all recommended PPE (i.e., gown, gloves, eye protection, respirator) while performing an aerosol-generating procedure¹ 	<ul style="list-style-type: none"> • Exclude from work for 14 days after last exposure⁵ • Advise HCP to monitor themselves for fever or symptoms consistent with COVID-19⁶ • Any HCP who develop fever or symptoms consistent with COVID-19⁶ should immediately contact their established point of contact (e.g., occupational health program) to arrange for medical evaluation and testing.

South Dakota Confidential Disease Report

South Dakota Department of Health

Office of Disease Prevention

[SDCL 34-22-12](#) and [ARSD 44:20](#) [Reportable Disease List](#)

Confidential Outbreak Report

*Outbreak:

Person Reporting

Report Type: New Update

Report Date: 7/1/2020

*First Name:

*Last Name:

Suffix:

*Phone:

Ext:

Email:

Outbreak Facility

*Facility Name:

If your facility name is not in the list above, please spell out the name (no abbreviations) in the text box below before submitting this form.

Other Facility Name:

Address:

Zip:

City:

State:

Phone:

Outbreak Profile

(Note - if the outbreak is in a non-institutional setting, enter total ill in 1st question as well as how many people were potentially exposed in 2nd. Then skip questions 3-4.)

- | | | | |
|--|----------------------|---|----------------------|
| 1. How many RESIDENTS have been ill? | <input type="text"/> | 8. What was the onset date of the first case? | <input type="text"/> |
| 2. How many RESIDENTS are there in this facility? | <input type="text"/> | 9. What was the onset date of the last case? | <input type="text"/> |
| 3. How many STAFF have been ill? | <input type="text"/> | 10. How many specimens are being tested? | <input type="text"/> |
| 4. How many STAFF are there in this facility? | <input type="text"/> | 11. What causative agent is suspected? | <input type="text"/> |
| 5. What is the average/estimated duration of symptoms? (hrs) | <input type="text"/> | 12. Has this agent been laboratory confirmed? | <input type="text"/> |
| 6. How many people were hospitalized? | <input type="text"/> | 13. Is the Outbreak ongoing? | <input type="text"/> |
| 7. How many people died? | <input type="text"/> | | |

Comments:

(0 of 2000 max)

This aggregate report is intended to fulfill disease notification requirements for outbreaks only. It does not fulfill individual case reporting requirements for South Dakota notifiable disease conditions.

SUBMIT REPORT



SOUTH DAKOTA DEPARTMENT OF HEALTH

Additional Infection Control Discussions

- EMS Provider Calls
- LTC Call
- LAB/IP Call

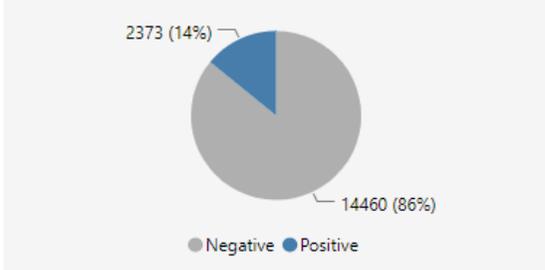


Community Mitigation

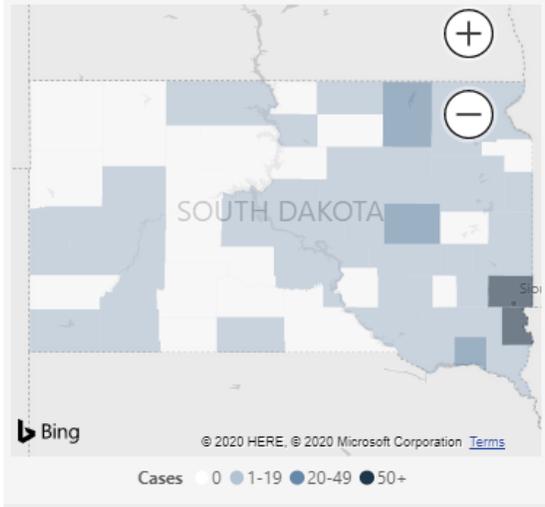
SD Overview	Demographics	Tables
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Active Cases 868	Currently Hospitalized 69	Recovered 1492
Total Positive Cases* 2373	Ever Hospitalized** 165	Deaths*** 13

Case Results*

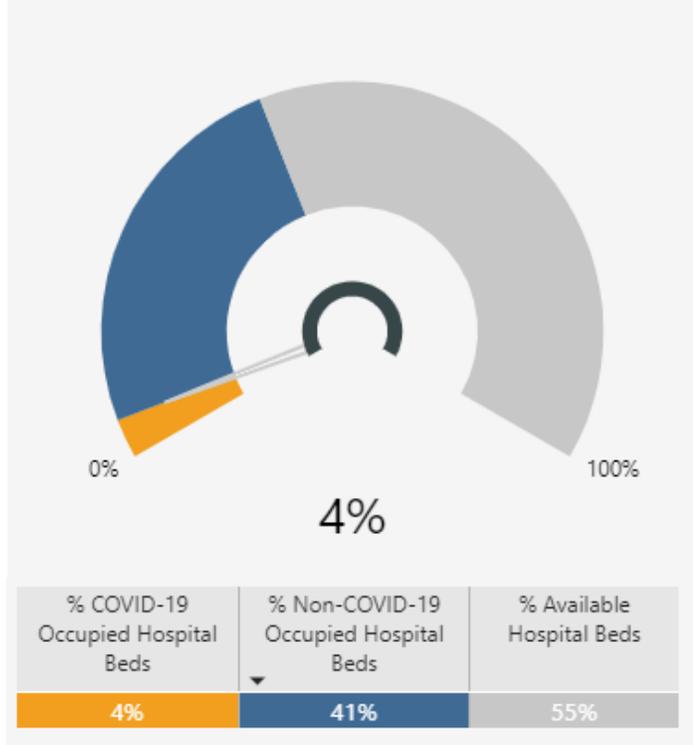


Case Map by County of Residence



SD Overview	Demographics	Hospital Capacity	Tables
-------------	--------------	-------------------	--------

Staffed Hospital Bed Capacity



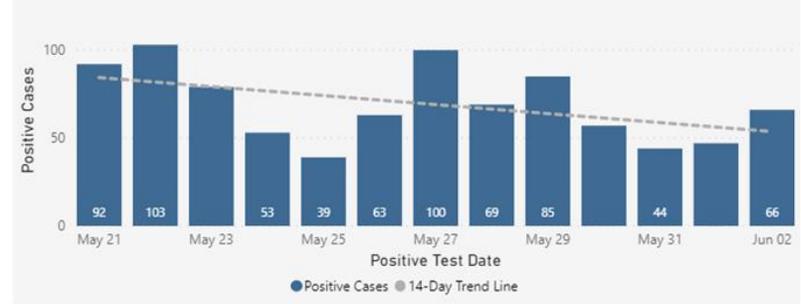
Staffed ICU Bed Capacity

Dashboard

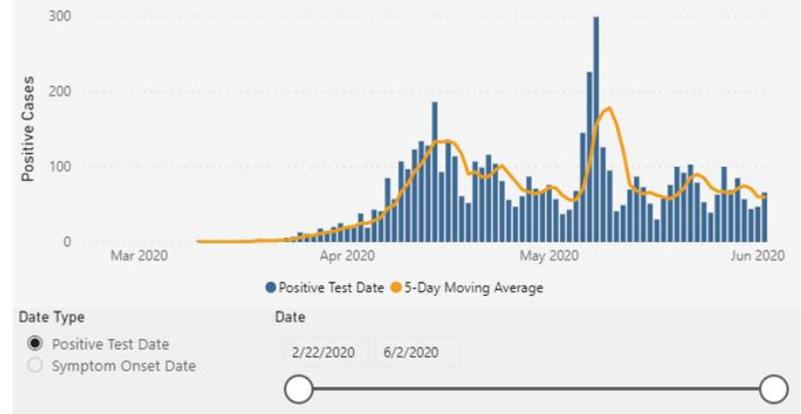
County
All

Rate of Cases, Last 14 Days 90 (per 100,000)	Rate of Cases, Cumulative 586 (per 100,000)
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14-Day Trend of Positive Cases



Positive Cases in South Dakota by Date



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 Information Sources

COVID.sd.gov

coronavirus.gov

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

SOUTH DAKOTA
COVID-19 INFORMATION LINE

Questions about COVID-19? We're here to help.

PLEASE CALL **1-800-997-2880**



Communications

- SD-HAN: sdhan.sd.gov
- [Epi Listserv](#)
- [Lab Listserv](#)
- [HAI Listserv](#)
- [OLC Listserv](#)

Visit **COVID.sd.gov** to subscribe

SOUTH DAKOTA
COVID-19 INFORMATION LINE

Questions about COVID-19? We're here to help.

PLEASE CALL **1-800-997-2880**



Questions?

COVID Helpline: **800-997-2880**

Epidemiology: **605-773-3737**

Laboratory: **605-773-3368**

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

COVIDSD@state.sd.us

Slides: doh.sd.gov/news/COVID19/Calls.aspx

