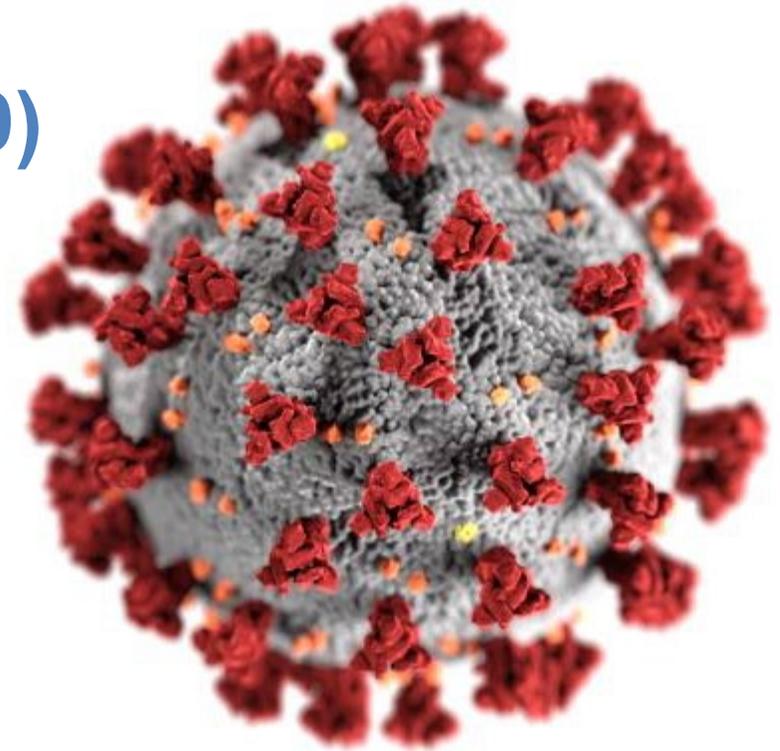


# 2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

June 4, 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 June 3, 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](https://doh.sd.gov/news/COVID19/Calls.aspx) following the webinar.**



SOUTH DAKOTA DEPARTMENT OF HEALTH



# Situation Update

# Coronavirus Situation (as of June 3, 2020)

- [International](#)
  - 6,287,771 confirmed cases
  - 379,941 deaths
- [United States](#) (50 states + DC)
  - 1,827,425 confirmed cases in U.S.
  - 106,202 deaths
- [South Dakota](#)
  - 5,162 confirmed cases in South Dakota
  - 62 deaths
  - 4,084 recovered

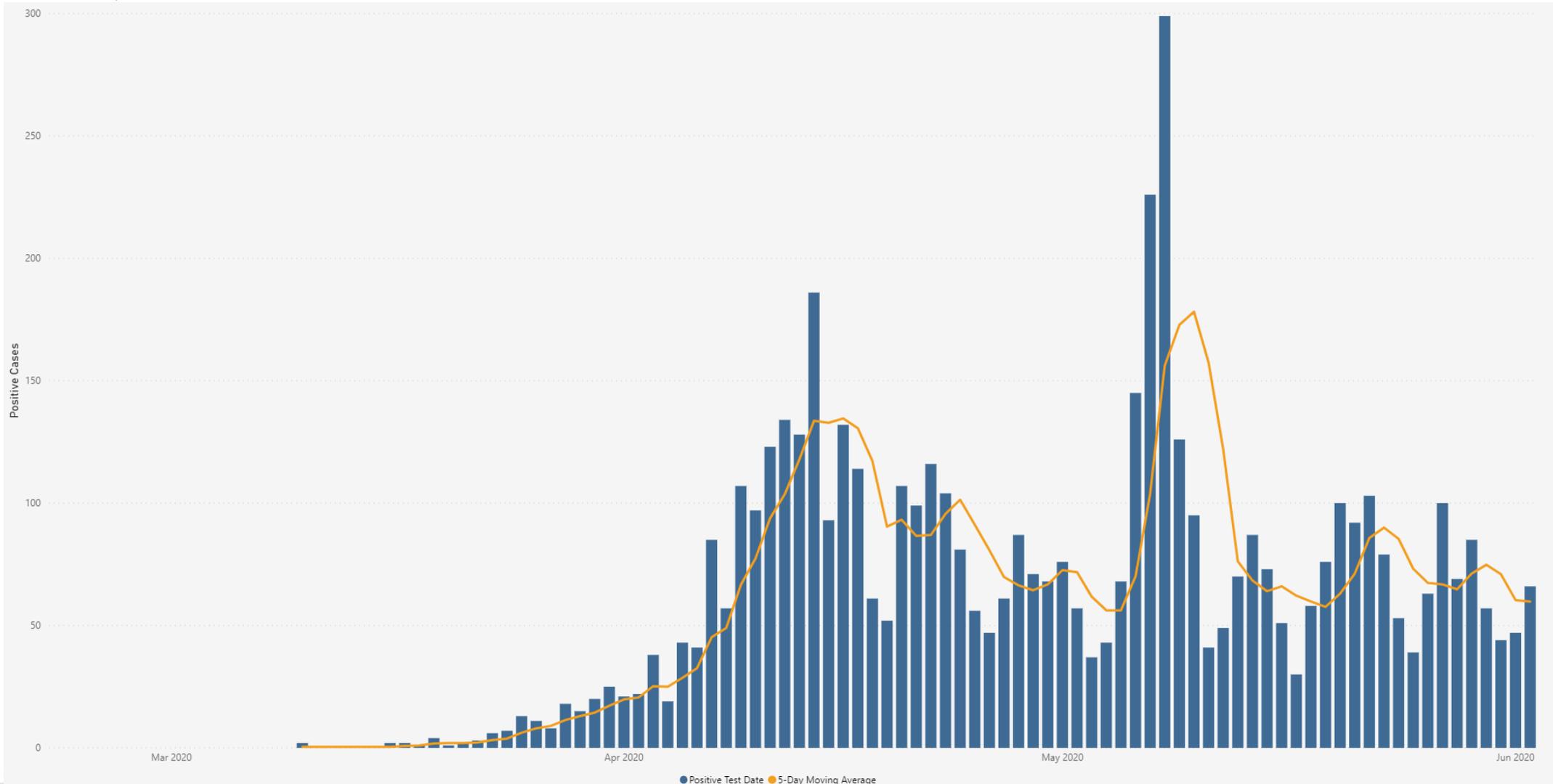
# Epidemiologic “Epi” Curve of COVID-19 Cases, by Onset Date

As of June 4, 2020

[Back to report](#)

POSITIVE CASES IN SOUTH DAKOTA BY DATE

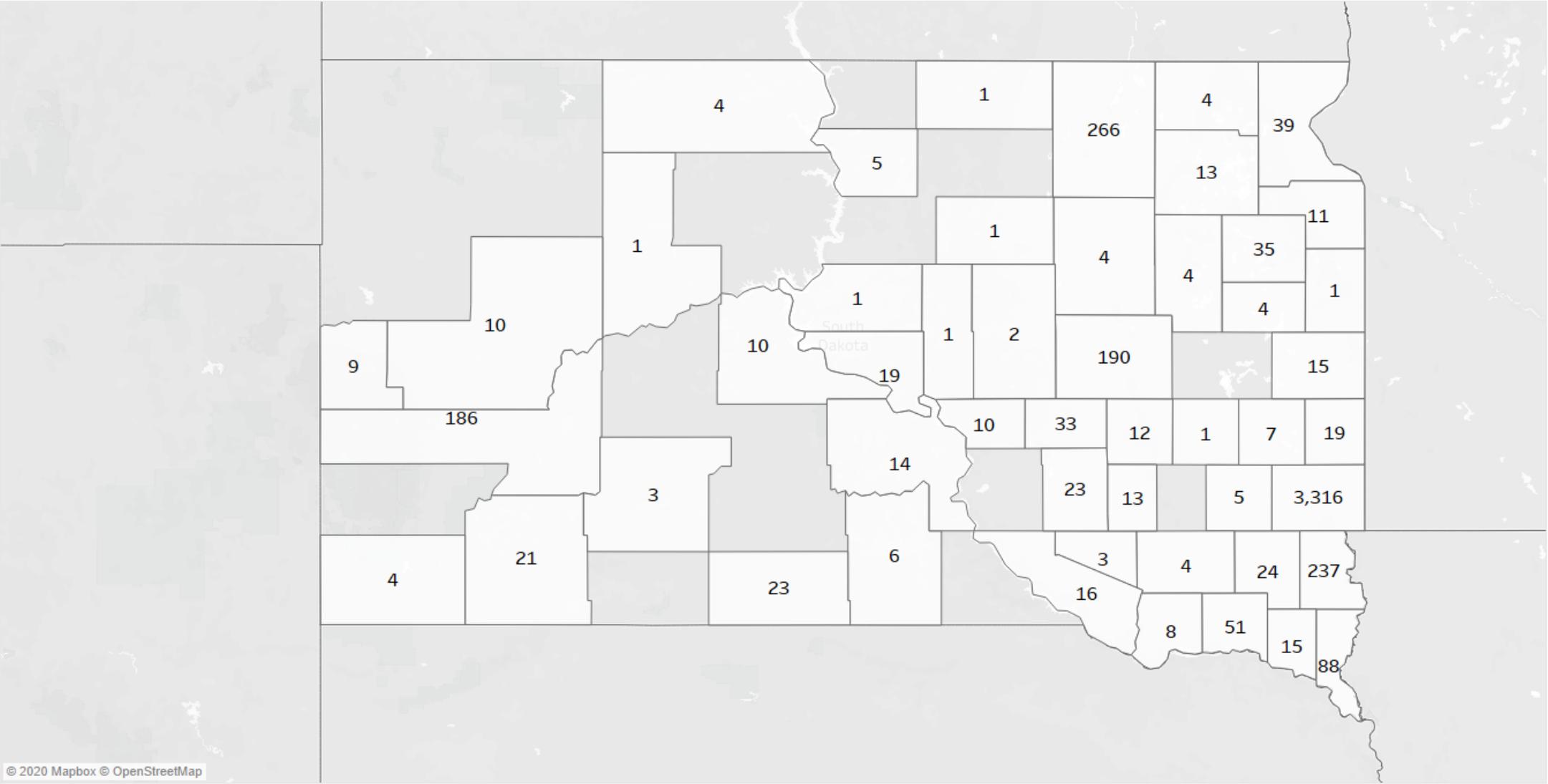
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# COVID-19 Cases, by County

As of June 4, 2020

Cases by County



# General Testing Recommendations

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

- 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

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



# Selected CDC Guidance Updates

- Revised the interview period for asymptomatic individuals from 10 days prior to specimen collection down to 2 days prior to specimen collection: <https://www.cdc.gov/coronavirus/2019-ncov/php/open-america/contact-tracing-resources.html>
- Created interim guidance for agricultural workers and employers: <https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-agricultural-workers.html>
- Basic information for parents and providers on multisystem inflammatory syndrome, including symptoms, available medical care, and knowledge gaps: <https://www.cdc.gov/coronavirus/2019-ncov/daily-life-coping/children/mis-c.html> and <https://www.cdc.gov/coronavirus/2019-ncov/hcp/pediatric-hcp.html>
- Created interim guidance for schools and childcare settings: <https://www.cdc.gov/coronavirus/2019-ncov/community/schools-childcare/index.html>

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





# Laboratory Guidance

# Priority Populations for SARS-CoV-2 Testing

- 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

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



# SDPHL Days of Operation and Courier Schedule

- SDPHL will provide SARS-CoV-2 testing and courier service six days a week, Monday through Saturday, beginning the week of June 8.
- Beginning the week of June 8, packages collected by the SDPHL courier each Saturday will be delivered to the SDPHL the following Monday.
- SDPHL courier service will continue to provide next-day delivery of specimens to the SDPHL all other days.

# Antibody Testing for SARS-CoV-2

- Target date for implementation of SARS-Cov-2 antibody testing at the SDPHL is June 29
- In accordance with federal recommendations, SDPHL will provide a dual-antibody testing algorithm for SARS-CoV-2
- SDPHL will implement tests that can detect both IgM and IgG antibodies
- SDPHL will only implement tests that are FDA EUA-approved



# Antibody Testing At The SDPHL Will Be Limited to:

- Population-level seroprevalence studies
- Evaluation of recovered individuals for convalescent plasma donations
- Clinical assessment of COVID-19 illness for individuals when combined with results from PCR testing in consultation with a skilled provider trained to interpret those results

# Antibody Test Results Should NOT Be Used To:

- Diagnose someone with an active SARS-CoV-2 infection
- Determine a person's immune status for SARS-CoV-2 infection
- Inform decisions to return to work
- Inform physical distancing decisions
- Provide “immunity certificates”



# LTC Testing for SARS-CoV-2

- South Dakota Department of Health constructed a tiered plan to test residents and staff in skilled nursing facilities and then assisted living centers over a one month period
- Specimens will be collected and tested in partnership with Sanford, Avera, and Monument healthcare systems in South Dakota, as well as the South Dakota Public Health Laboratory, Mayo Clinic Laboratory, and LabCorp

# LTC Testing Schedule

Tier 1: Skilled Nursing Facilities in areas of substantial COVID spread

- Week of May 18

Tier 2: All remaining Skilled Nursing Facilities in South Dakota

- Week of May 25

Tier 3: Assisted Living Centers in areas of substantial COVID spread

- Week of June 1

Tier 4: All remaining Assisted Living Centers in South Dakota

- Week of June 8



# Specimen Collection Support for LTC Testing

- LTC facilities are encouraged to reach out to healthcare partners such as Home Health, Rural Health Clinics, and local hospitals for assistance with specimen collection.
- Department of Health provides funding to assist with specimen collection. Grants will be provided to facilities that provide specimen collection services

# Laboratory Support for LTC Testing

Avera: Doug Ekeren, [Douglas.Ekeren@avera.org](mailto:Douglas.Ekeren@avera.org)  
Monument: Traci Stohrer, [TStohrer@monument.health](mailto:TStohrer@monument.health)  
Sanford: Rochelle Odenbrett, [Rochelle.Odenbrett@SanfordHealth.org](mailto:Rochelle.Odenbrett@SanfordHealth.org)  
LabCorp: Scott Huff, [Huffs@LabCorp.com](mailto:Huffs@LabCorp.com)  
Julie Copple, [Bellmaj@LabCorp.com](mailto:Bellmaj@LabCorp.com)  
SDPHL: Laurie Gregg, [Laurie.Gregg@state.sd.us](mailto:Laurie.Gregg@state.sd.us)  
Tim Southern, [Tim.Southern@state.sd.us](mailto:Tim.Southern@state.sd.us)



# Additional Support for LTC Testing

Non-laboratory questions about LTC testing can be directed to:

Department of Health:

Chris Qualm, [Chris.Qualm@state.sd.us](mailto:Chris.Qualm@state.sd.us)

Joan Adam, [Joan.Adam@state.sd.us](mailto:Joan.Adam@state.sd.us)



# PPE Support for LTC Testing

- Nasopharyngeal swab collection is an aerosol generating procedure
- PPE is needed for specimen collection
- DOH will provide PPE to support LTC testing

Please submit PPE requests to the following:  
[COVIDResourceRequests@state.sd.us](mailto:COVIDResourceRequests@state.sd.us)



# Information Reporting

LTC facilities should provide the following information to the DOH:

- Number of residents tested
- Number of staff tested
- Number of positive results
- Testing completion date

Data should be provided to:  
Jennifer Maeschen  
[Jennifer.Maeschen@state.sd.us](mailto:Jennifer.Maeschen@state.sd.us)





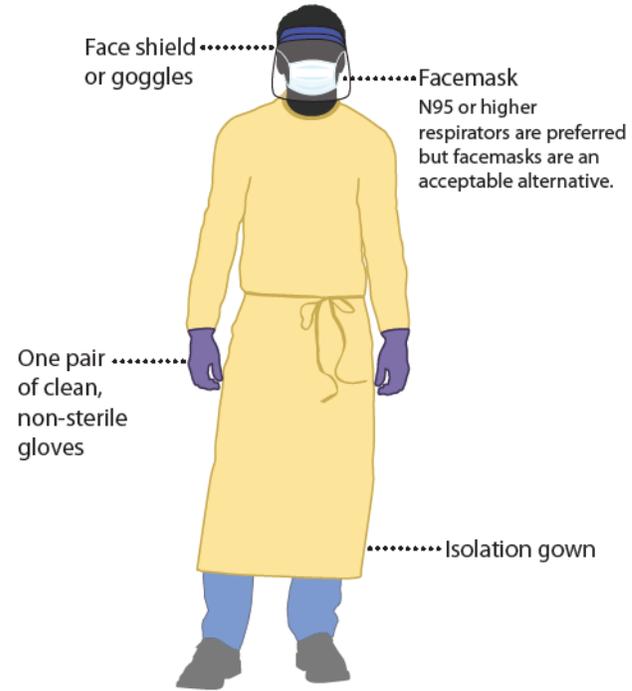
# Infection Control

# 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)



SOUTH DAKOTA DEPARTMENT OF HEALTH

# 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 prolonged<sup>1</sup> close contact<sup>2</sup> with a patient, visitor, or HCP with confirmed COVID-19<sup>3</sup></p>	<ul style="list-style-type: none"> <li>• HCP not wearing a respirator or facemask<sup>4</sup></li> <li>• HCP not wearing eye protection if the person with COVID-19 was not wearing a cloth face covering or facemask</li> <li>• HCP not wearing all recommended PPE (i.e., gown, gloves, eye protection, respirator) while performing an aerosol-generating procedure<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Exclude from work for 14 days after last exposure<sup>5</sup></li> <li>• Advise HCP to monitor themselves for fever or <a href="#">symptoms consistent with COVID-19</a><sup>6</sup></li> <li>• Any HCP who develop fever or <a href="#">symptoms consistent with COVID-19</a><sup>6</sup> should immediately contact their established point of contact (e.g., occupational health program) to arrange for medical evaluation and testing.</li> </ul>



Given the potential for asymptomatic transmission of SARS-CoV-2, what personal protective equipment (PPE) should be worn by healthcare personnel (HCP) providing care to patients who are not suspected to have COVID-19?

... To protect patients and co-workers, HCP should wear a facemask at all times while they are in a healthcare facility (i.e., practice source control).

•HCP working in facilities located in areas with moderate to substantial community transmission are more likely to encounter asymptomatic patients with COVID-19. If COVID-19 is not suspected in a patient presenting for care ... should also:

- Wear eye protection in addition to their facemask to ensure the eyes, nose, and mouth are all protected from splashes and sprays of infectious material from others.
- Wear an N95 or higher-level respirator, instead of a facemask, for:
  - Aerosol-generating procedures (See [Which procedures are considered aerosol generating procedures in healthcare settings FAQ](#)) and
  - Surgical procedures that might pose higher risk for transmission if the patient has COVID-19 (e.g., that generate potentially infectious aerosols or involving anatomic regions where viral loads might be higher, such as the nose and throat, oropharynx, respiratory tract) (see [Surgical FAQ](#) below).
- Respirators with exhalation valves are not recommended for source control and should not be used during surgical procedures as unfiltered exhaled breath would compromise the sterile field

# Make the Smart Choice!

Know your protection. Wear it consistently.  
Reduce your exposure risk.

## Procedure Mask



## N95 Respirator

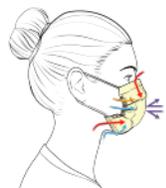


### PROTECTION

#### Resists and Protects Against Fluid Contaminants

- Resists fluid and **larger droplets**.
- Protects patients from your respiratory emissions.
- Does not protect you from patients' small particle aerosols.

**Why:** Masks are sufficient when contagion is not transmitted through aerosol. Conserves N95 inventory.



#### Provides a Higher Level of Protection Against Airborne and Fluid Contaminants

- Resists **small particle aerosol** and **large droplets**.
- Filters 95% or more of **small and large airborne particles** (as small as 0.3 microns).

**Why:** N95 respirators provide a higher level of protection when contagion is transmitted through air particles.



### FIT

#### Not Fit-Tested

- Loose-fitting.
- No seal check required.
- Leakage around mask during inhalation and exhalation.

**Why:** Fit is sufficient for protection level.



#### Fit-Tested

- Tight-fitting.
- Seal check required for every donning event.
- No leakage during inhalation or exhalation when properly fitted and donned.

**Why:** Fit is imperative for optimal protection level.



### USE

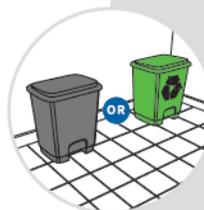
#### Disposable

- While normally discarded after a single use, masks may need to be reused during crisis events.

#### Dispose of when:

- Visibly wet, overly damp, torn, dirty or contaminated with respiratory or bodily secretions from patient.

**Why:** Reusing and recycling conserves procedure mask inventory.



#### Reusable If Clean

- Use for multiple patient encounters if clean.
- Recycle if facility has procedures in place to ensure adequate decontamination and preservation of function of respirators.

#### Dispose of when:

- Visibly wet, overly damp, torn, dirty or contaminated with respiratory or bodily secretions from patient.
- Unable to perform seal check.

**Why:** Reusing and recycling conserves N95 inventory.

# Additional Infection Control Discussions

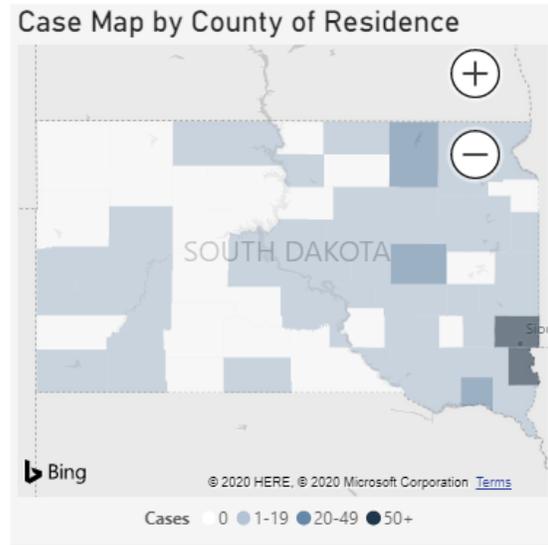
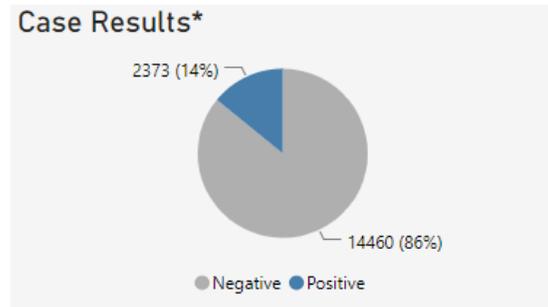
- EMS Provider Calls
- LTC Call
- LAB/IP Call



# Community Mitigation

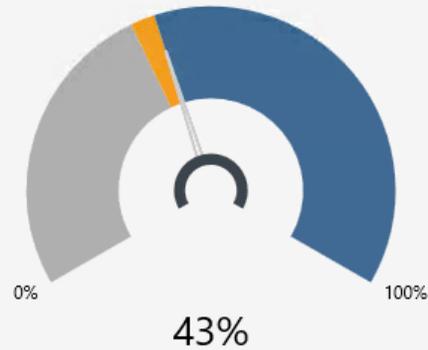
# Dashboard

SD Overview	Demographics	Tables
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SD Overview	Demographics	Hospital Capacity	Tables
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### Staffed Hospital Bed Occupancy

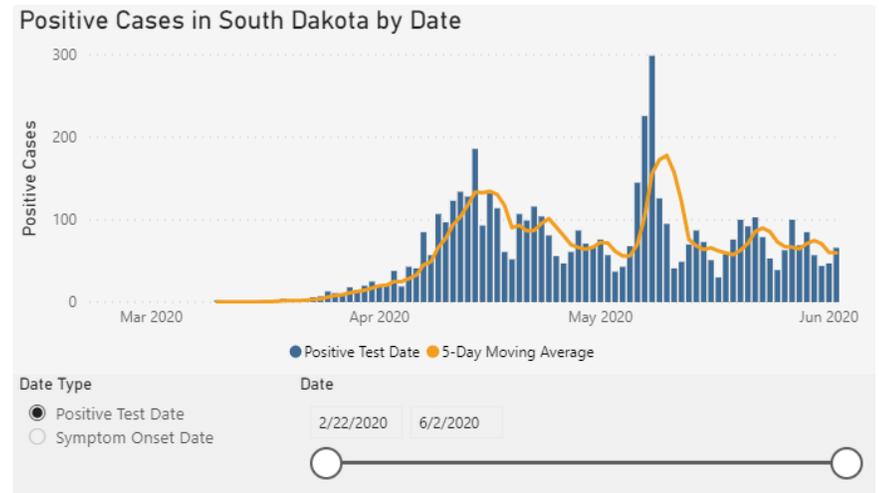
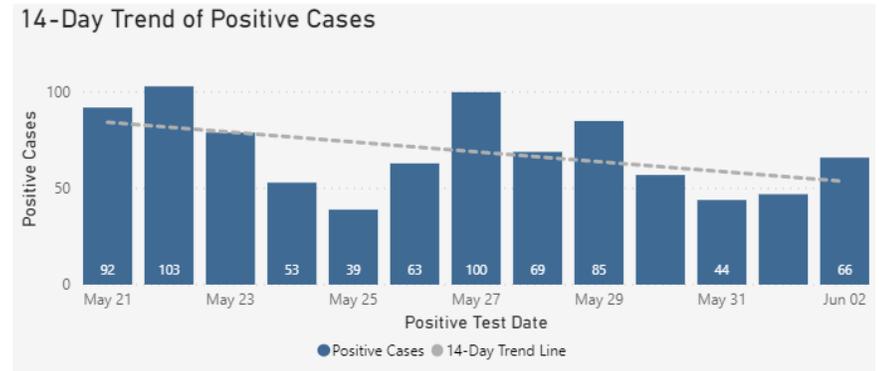


% Available Hospital Beds	% COVID-19 Occupied Hospital Beds	% Non-COVID-19 Occupied Hospital Beds
57%	3%	39%

### Staffed ICU Bed Occupancy



County:



# Supply Chain Management

# PPE Request Procedure

All requests for PPE from DOH must be:

- Emailed to [COVIDResourceRequests@state.sd.us](mailto: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](mailto: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](https://COVID.sd.gov)

[coronavirus.gov](https://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](http://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://COVID.sd.gov)

[COVIDSD@state.sd.us](mailto:COVIDSD@state.sd.us)

Slides: [doh.sd.gov/news/COVID19/Calls.aspx](https://doh.sd.gov/news/COVID19/Calls.aspx)

