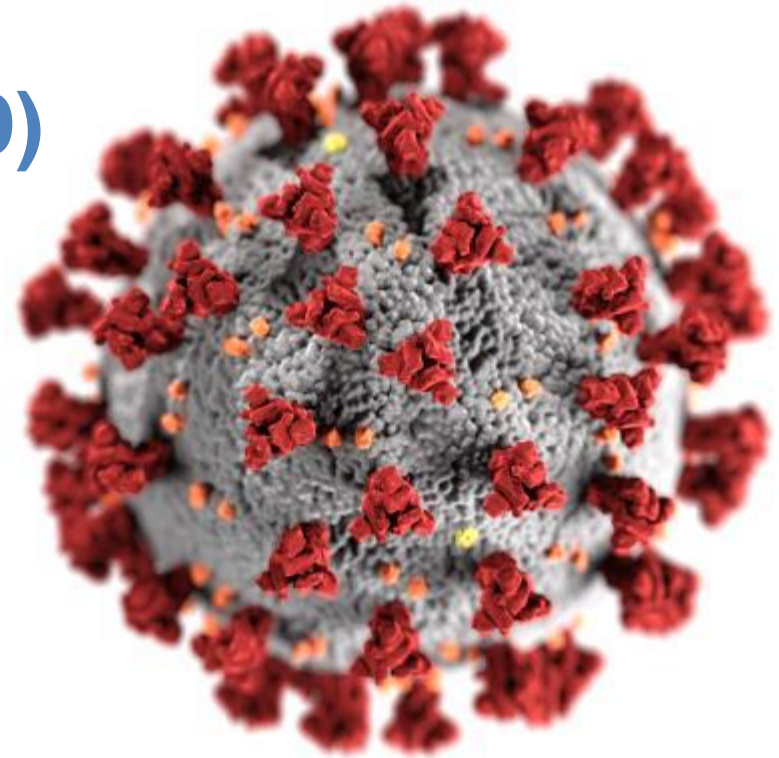


2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

April 30, 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 April 29, 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 Control
- Community Mitigation
- Supply Chain Management
- On-going Communications
- Q&A Session

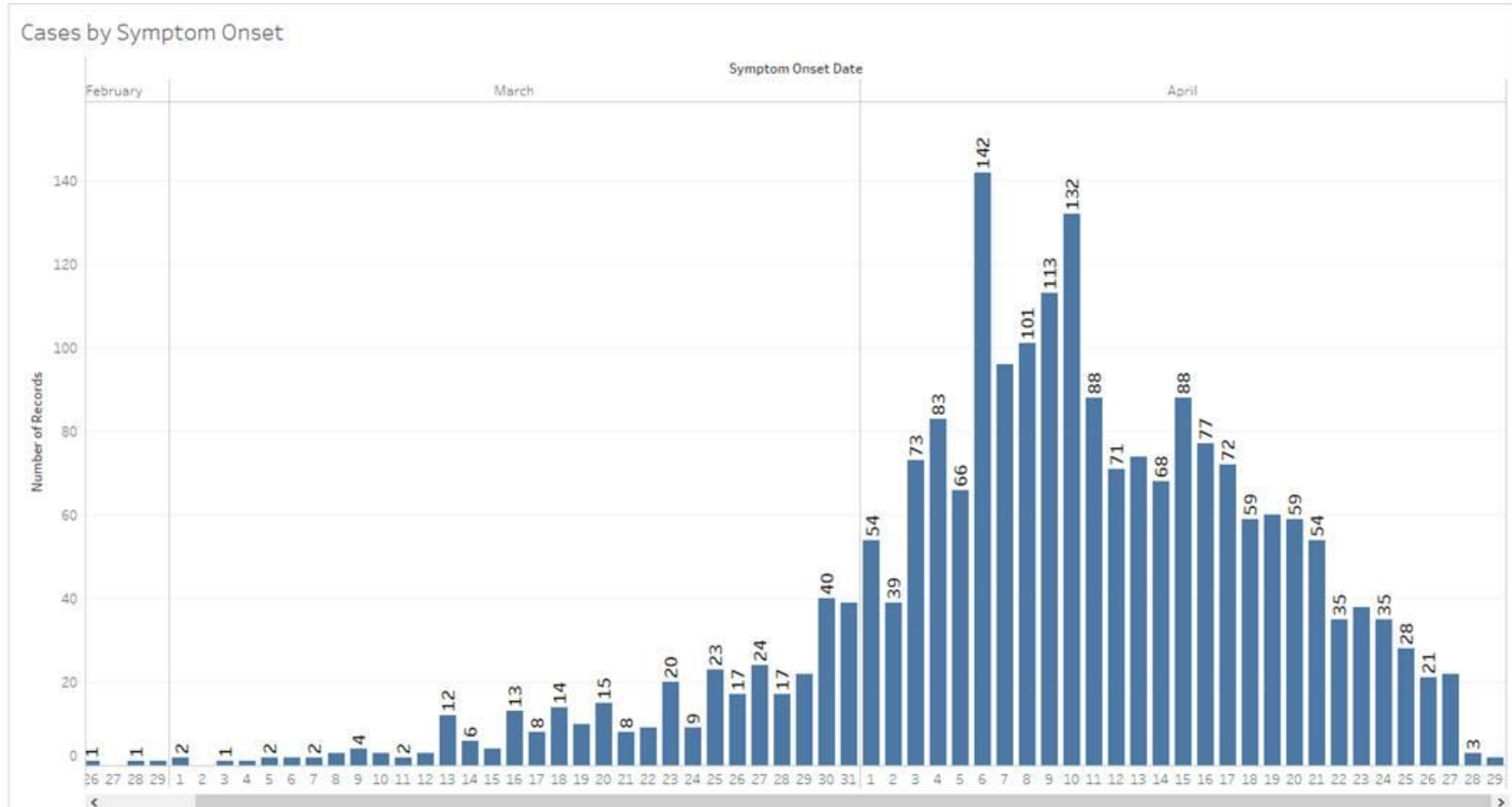
Note: Slides and a recording of the presentations will be posted to doh.sd.gov/news/COVID19/Calls.aspx following the webinar.

Situation Update

Coronavirus Situation (as of April 29, 2020)

- International
 - 3,018,952 confirmed cases
 - 207,973 deaths
- United States (50 states + DC)
 - 1,005,147 confirmed cases in U.S.
 - 57,505 deaths
 - Community transmission identified in all neighboring states
- South Dakota
 - 2,373 confirmed cases in South Dakota
 - 13 death
 - 1,492 recovered

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

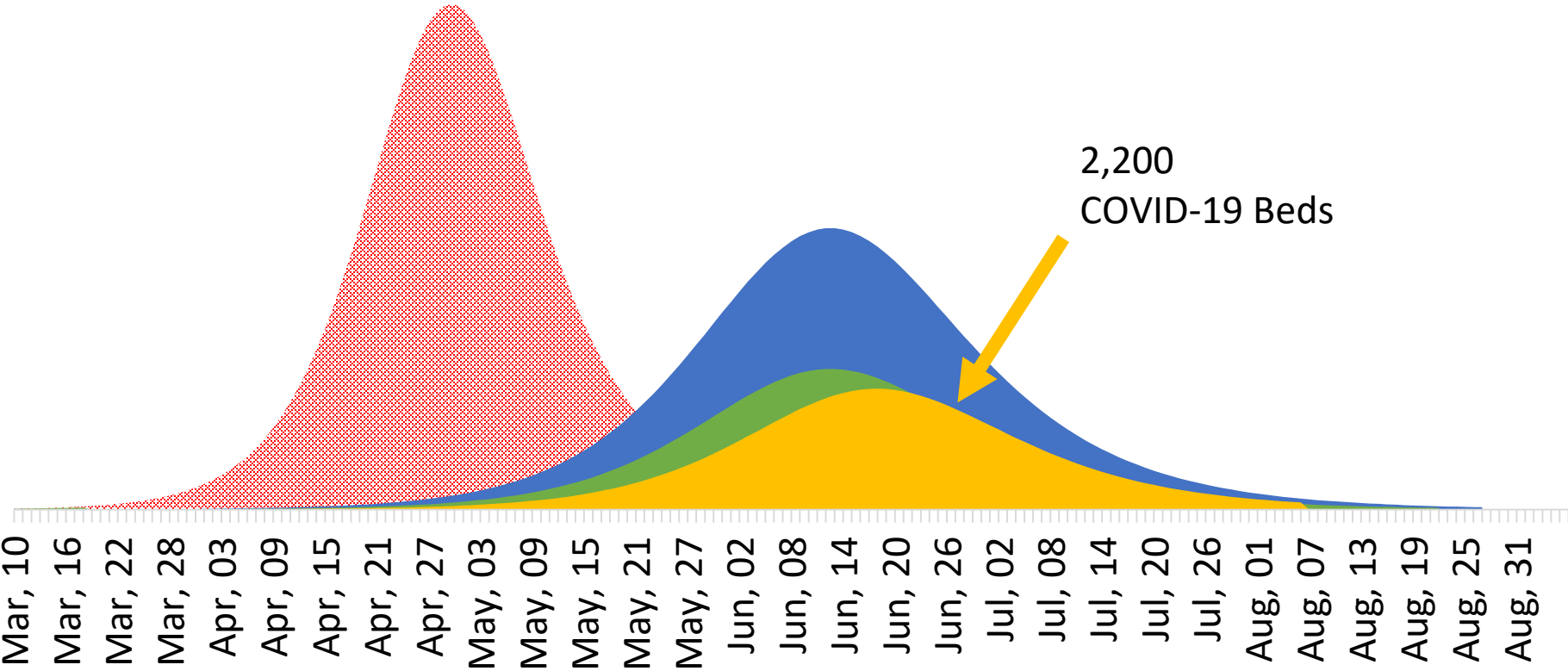


COVID-19 Cases, by County

As of April 30, 2020



© 2020 Mapbox © OpenStreetMap



- Projected Peak Hospitalizations with No Containment or Social Distancing
- Apr 3 Projected Peak Hospitalizations Based on Current Action/Strategy
- Apr 15 Projected Peak Hospitalizations Based on Current Action/Strategy
- Apr 28 Projected Peak Hospitalizations Based on Current Action/Strategy

Updated Projections for South Dakota

	Original Peak Need	Updated* Peak Need	Assumption Updates
Hospital Beds	5,000	2,500	Reduced rate from 5% down to 2.5%
Hospital Length of Stay	2,500	2,200	Reduced stay from 7 days down to 6 days
Ventilator need	1,300	600	Reduced ventilator needed

- As additional information is learned from other states, we are modifying the assumptions in our models.

* Based on Current Mitigation Measures

General Testing Recommendations

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

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

- 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.



Laboratory Guidance

Testing Plan to Combat COVID-19

Guiding Principles

- All persons with COVID symptoms can receive a test upon recommendation from their provider
- Persons with symptoms can receive a test without charge
- Testing plan will evolve as antibody and community-based testing becomes available (eg., pharmacies and small clinics)

Testing Plan to Combat COVID-19

3 Tiers

1. Develop diversified testing capabilities in public health and clinical labs; advocate for supplies; includes PCR and antibody testing
2. Support smaller facilities with Abbott ID Now instruments; leverage commercial laboratories to fill unmet needs or gaps
3. Support mass testing events that target at-risk, vulnerable populations including use of public health mobile laboratory

***Capacity=** 3000/day now to 5000/day

Laboratory Testing Updates (4/29)

Watch for symptoms

People with COVID-19 have had a wide range of symptoms reported – ranging from mild symptoms to severe illness.

Symptoms may appear **2-14 days after exposure to the virus**. People with these symptoms or combinations of symptoms may have COVID-19:

- Cough
- 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



Laboratory Testing Updates (4/29)

SDPHL Testing Priorities:

- Hospitalized individuals
- Healthcare workers, first responders, and active military
- 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

Laboratory Testing Updates (4/29)

Specimen Collection Supplies:

- Flocked swabs (limited availability at the SDPHL)
- Foam swabs (available at the SDPHL beginning immediately)
- Viral transport media (limited availability at the SDPHL)
- Sterile PBS and sterile saline (limited availability at the SDPHL)
- Sterile sputum cups (limited availability at the SDPHL)
- Category B shipping supplies (limited availability at the SDPHL)

Laboratory Testing Updates (4/29)

SDPHL strongly recommends that healthcare partners consider implementation of the following specimen collection materials:

- Foam Swabs
- Homemade transport medium
- Sterile saline
- Sterile PBS

Validation of additional specimen collection materials will likely help overcome limitations to testing resulting from shortages of flocked swabs and commercially prepared viral transport medium

Laboratory Testing Updates (4/29)

Specimens Accepted for SARS-CoV-2 Testing by the SDPHL:

- PREFERRED: Nasopharyngeal Swab (flocked) in VTM, Sterile Saline, or Sterile PBS
- ACCEPTABLE: Oropharyngeal Swab (flocked) in VTM, Sterile Saline, or Sterile PBS
- ACCEPTABLE: Oropharyngeal Swab (foam) in VTM, Sterile Saline, or Sterile PBS
- ACCEPTABLE: Midturbinate Swab (foam) in VTM, Sterile Saline, or Sterile PBS
- ACCEPTABLE: Nasal Swab (foam) in VTM, Sterile Saline, or Sterile PBS

Testing Performed by the SDPHL:

1. SARS-CoV-2 Testing
2. Respiratory Pathogen Panel Testing for severely ill hospitalized patients

Laboratory Testing Updates (4/29)

Information for providers interested in SARS-CoV-2 antibody tests:

<https://www.idsociety.org/globalassets/idsa/public-health/covid-19/idsa-covid-19-antibody-testing-primer.pdf>

Laboratories interested in antibody tests for SARS-CoV-2 should consult the FDA website:

<https://www.fda.gov/medical-devices/emergency-situations-medical-devices/emergency-use-authorizations#covid19ivd>

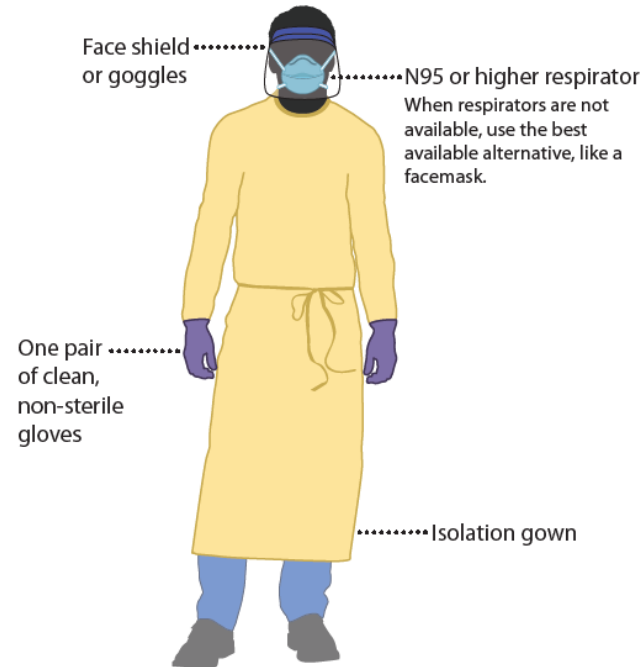
Antibody tests currently FDA-EUA approved are as follows:

- Chembio Diagnostic System, Inc, DPP COVID-19 IgM/IgG System (pending availability at SDPHL)
- Abbott Laboratories Inc., SARS-CoV-2 IgG assay (pending availability at SDPHL)
- Cellex Inc, qSARS-CoV-2 IgG/IgM Rapid Test
- Ortho Clinical Diagnostics, Inc, VITROS Immunodiagnostic Products Anti-SARS-CoV-2 Total Reagent Pack
- DiaSorin Inc., Liaison SARS-CoV-2 S1/S2 IgG
- Autobio Diagnostics Co. Ltd., Anti-SARS-CoV-2 Rapid Test

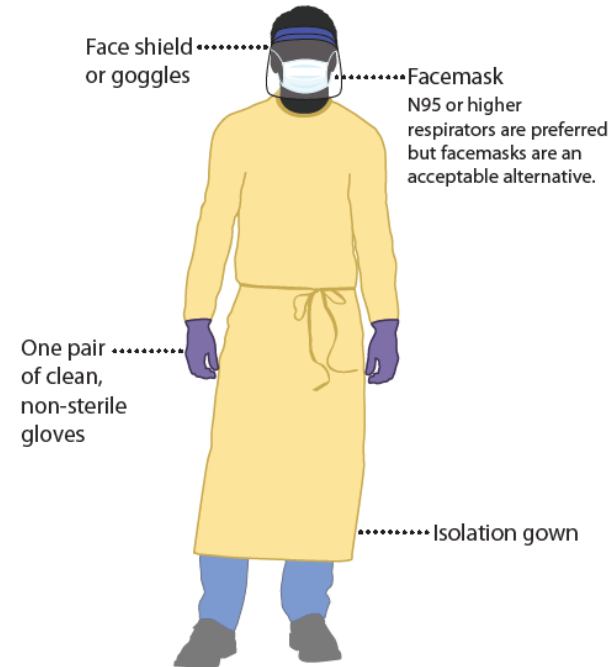
Infection Control

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

Preferred PPE – Use N95 or Higher Respirator



Acceptable Alternative PPE – Use Facemask



CS 31583B-C 03/23/2020

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



Key Strategies to Prepare for COVID-19 in Long-term Care Facilities (LTCFs)

Webinar Series - COVID-19 Prevention Messages for Long Term Care Staff:

- *Sparkling Surfaces* - <https://youtu.be/t7OH8ORr5lg>
- Clean Hands - <https://youtu.be/xmYMUly7qiE>
- Closely Monitor Residents - <https://youtu.be/1ZbT1Njv6xA>
- Keep COVID-19 Out! <https://youtu.be/7srwrF9MGdw>
- PPE Lessons - <https://youtu.be/YYTATw9yav4>



Environmental Infection Control

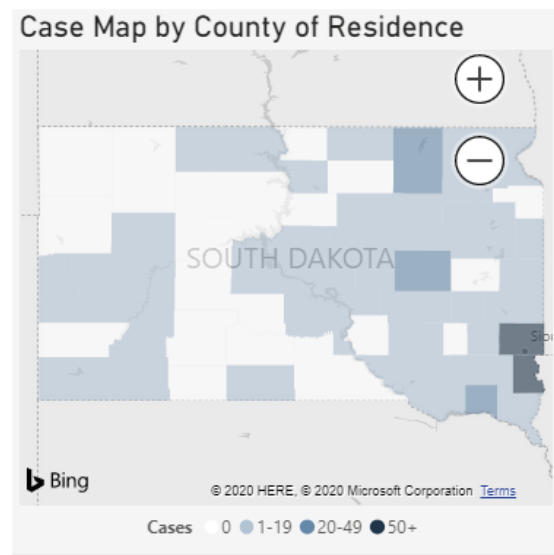
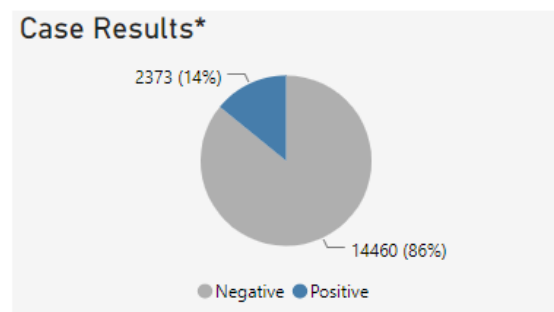
- Ensure that environmental cleaning and disinfection procedures are followed consistently and correctly.
- Follow Routine cleaning and disinfection procedures [EPA List N](#)
- Management of laundry, food service utensils, and medical waste should also be performed in accordance with routine procedures.
- Additional information about recommended practices for terminal cleaning of rooms and PPE to be worn by environmental services personnel is available in the [Healthcare Infection Prevention and Control FAQs for COVID-19](#)

Additional Infection Control Discussions

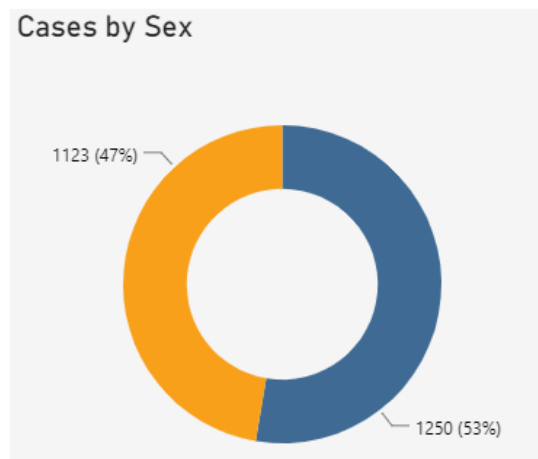
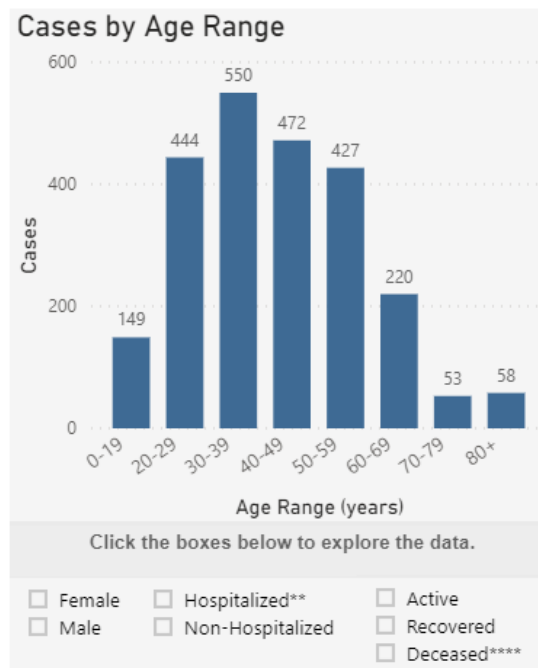
- EMS Provider Calls
- LTC Call
- LAB/IP Call

Community Mitigation

SD Overview	Demographics	Tables
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SD Overview	Demographics	Tables
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Updated Dashboard Community Spread

Community Impact Map

Step-down Criteria

Counties will be evaluated on a daily basis for the following steps down in level of community spread:

- Substantial to minimal/moderate: No active cases in a county
- Minimal/moderate to no community spread: 28 days have elapsed since the last active case

The following criteria are still in place to define new or ongoing community spread:

- None: COVID-19 cases may occur in the community, but there is NO community transmission
- Minimal to moderate: There are 1-4 cases of community-acquired COVID-19 in a county
- Substantial: There are 5+ cases of community-acquired COVID-19 in a county or a distinct group of cases in a single area (e.g., city or county)

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

[coronavirus.gov](https://www.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

