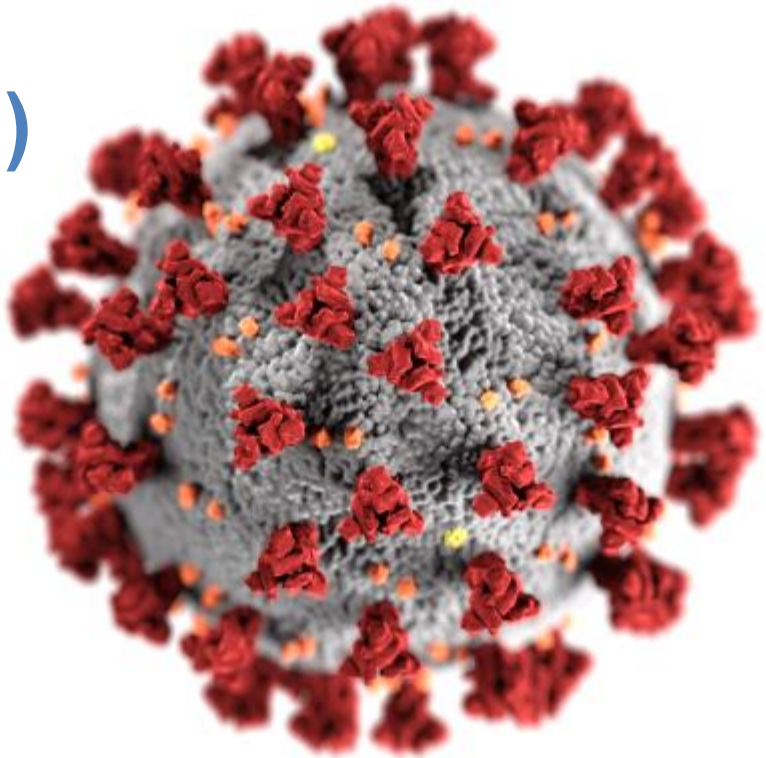
2019 Novel Coronavirus (COVID-19)

South Dakota Department of Health

April 16, 2020



We will begin in just a few moments. Thanks!

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This is an **emerging, rapidly evolving situation**. Information in this presentation is current as of April 15, 2020. Please check the South Dakota Department of Health website for the most current information and guidance.

covid.sd.gov

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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 covid.sd.gov following the webinar.

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Situation Update

Coronavirus Situation (as of April 15, 2020)

- International
  - 1,914,916 confirmed cases
  - 123,010 deaths

- United States (50 states + DC)
  - 605,390 confirmed cases in U.S.
  - 24,582 deaths
  - Community transmission identified in all neighboring states

- South Dakota
  - 1,168 confirmed cases in South Dakota
  - 6 deaths
  - 329 recovered

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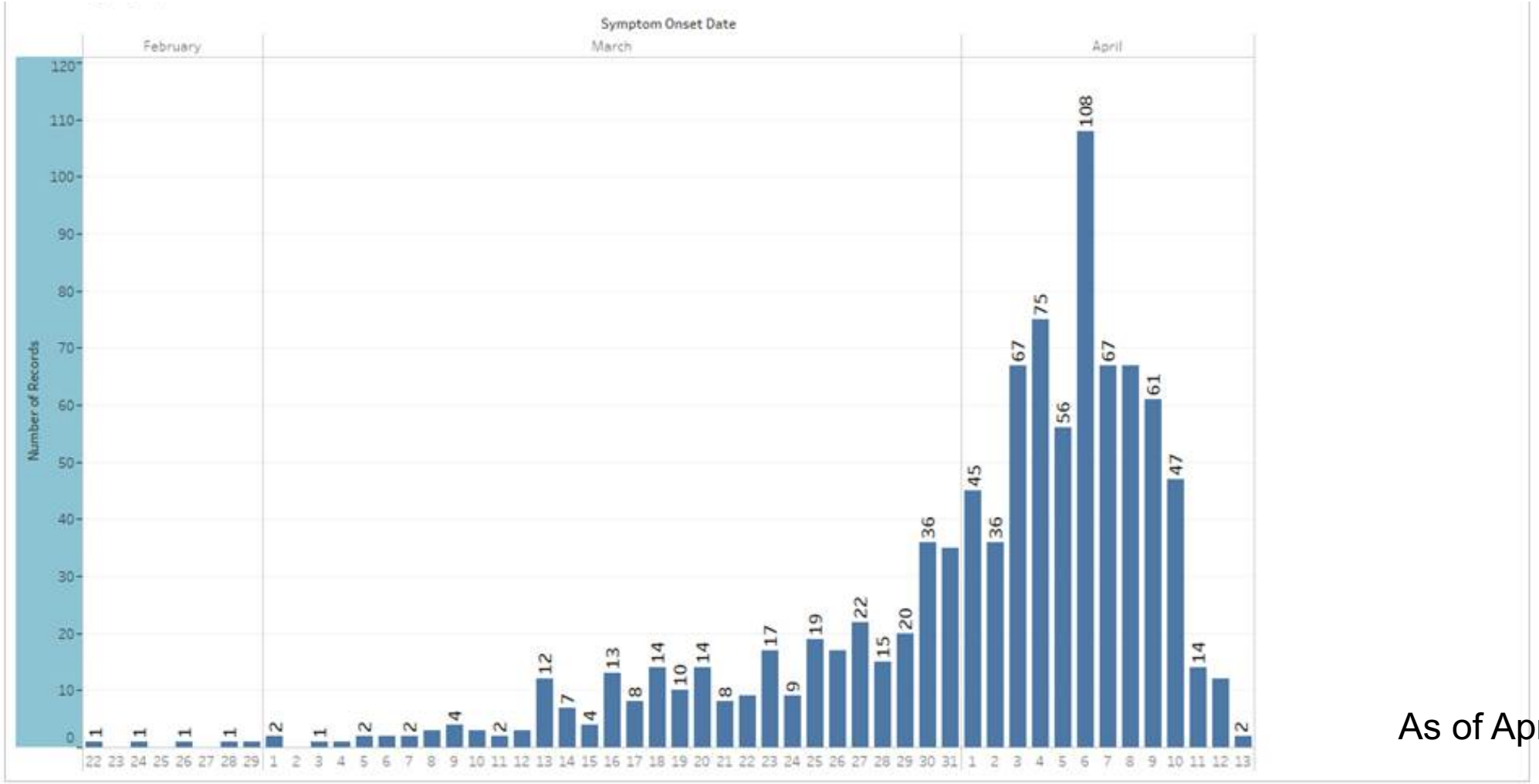
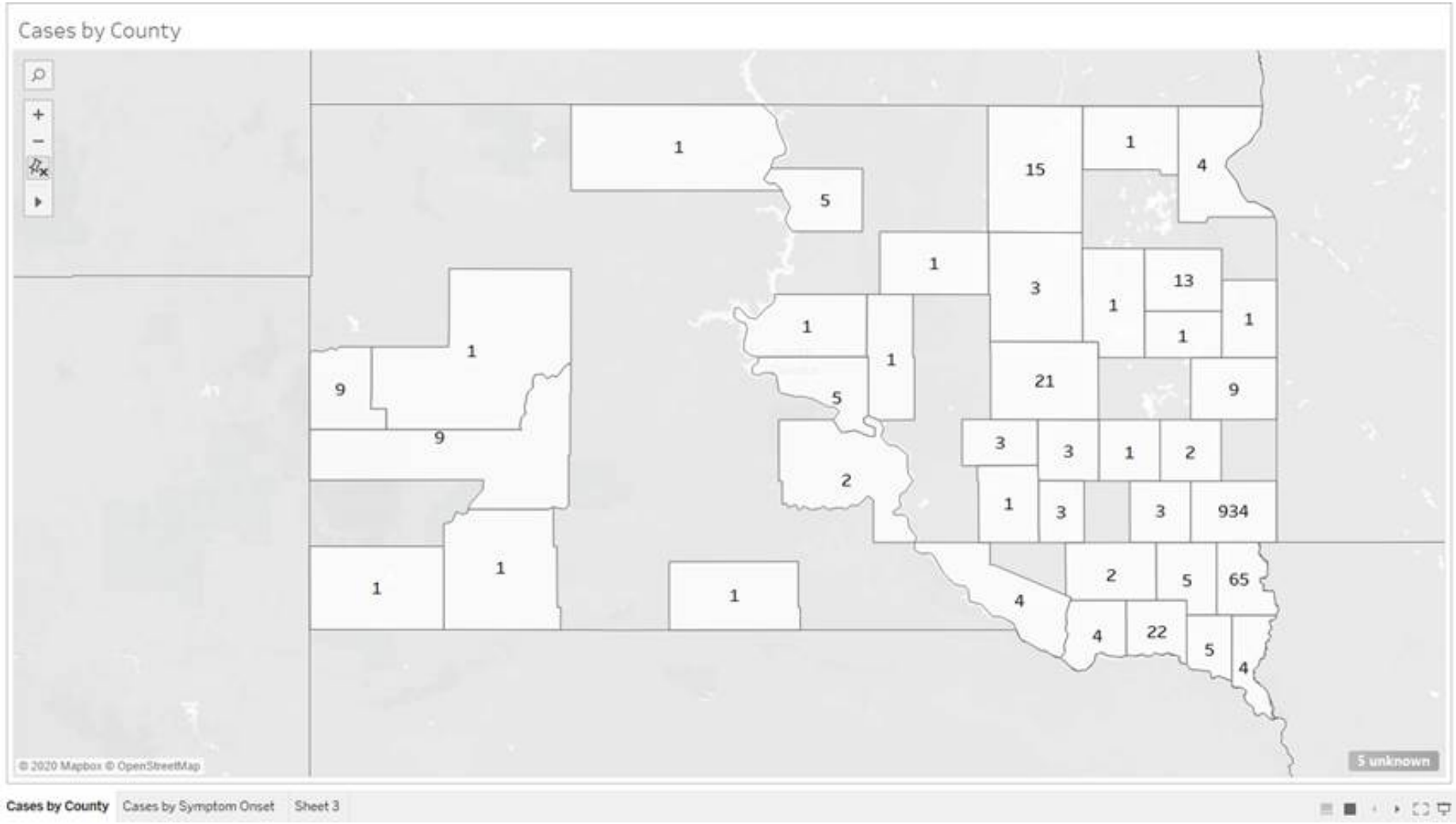
Epidemiologic “Epi” Curve of COVID-19 Cases, by Onset Date



As of April 15, 2020

COVID-19 Cases, by County



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Last Updated: March 19, 2020

Individuals Prioritized for Testing at the SD Public Health Laboratory

- Hospitalized patients
- Healthcare providers and first responders
- Living, or working in, institutional settings (e.g., long-term care facilities, assisted living centers, etc.)

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Laboratory Guidance

Laboratory Testing Updates (4/16)

Priority Populations for SDPHL Testing:

- Hospitalized individuals
- Healthcare workers, first responders, and active military
- Individuals living in communal settings like long-term care facilities
- Additional populations currently under review

Specimen Collection Supplies:

- Flocked swabs (federal disbursement pending)
- Foam swabs (anticipated arrival to SDPHL: mid-May)
- Viral transport media (no longer available at SDPHL due to nationwide shortage)
- Sterile PBS and sterile saline (in-production and available for shipping)
- Sterile sputum cups (limited availability at the SDPHL)
- Category B shipping supplies (limited availability at the SDPHL)

Laboratory Testing Updates (4/16)

Special Message About Transfers Between Long-Term Care and Other Healthcare Facilities

The South Dakota Public Health Laboratory continues to receive specimens from long term care facilities and hospitals for asymptomatic individuals prior to their admission to a long term care facility. Not only is this contrary to CMS guidance, it is not showing good stewardship of specimen collection supplies and tests. Any specimen collected from an asymptomatic individual that is submitted to the SDPHL **will not be tested.**

Laboratory Testing Updates (4/16)

CDC Interim Guidance: Current Specimen Collection Guidance

- PREFERRED: Nasopharyngeal Swab in Viral Transport Medium
- ACCEPTABLE: Oropharyngeal Swab in Viral Transport Medium
- ACCEPTABLE: Midturbinate Swab in Viral Transport Medium
- ACCEPTABLE: Nasal Swab in Viral Transport Medium

Additional Collection Options Following Verification at the SDPHL:

- ACCEPTABLE: Nasopharyngeal Swab in Sterile PBS or Sterile Saline
- ACCEPTABLE: Oropharyngeal Swab in Sterile PBS or Sterile Saline

Laboratory Testing Updates (4/16)

Recommended testing:

1. Facilities should screen PUIs for season agents like influenza and RSV
2. SARS-CoV-2 testing
   - Low and Medium Priority: clinical and/or commercial laboratories
   - High Priority: South Dakota Public Health Laboratory

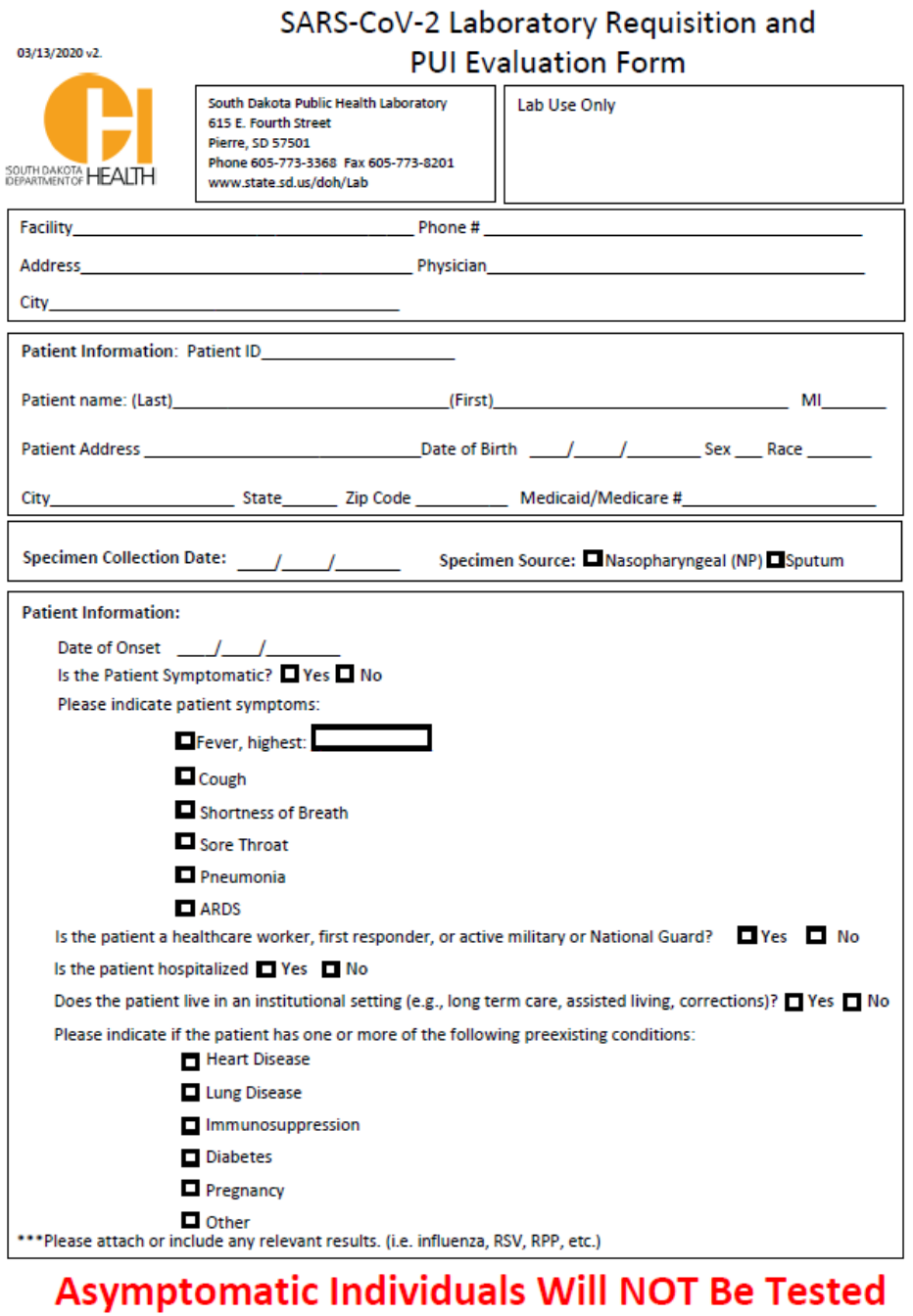
Testing offered by SDPHL

1. SARS-CoV-2 RT-PCR: CDC 2019-nCoV Test
2. Cepheid Xpert Xpress SARS-CoV-2 Test
3. Respiratory Pathogen Panel offered as reflex for severely ill hospitalized patients that are SARS-CoV-2 negative
4. Hologic Panther TMA RUO Assay: verification planned for early May

Laboratory Testing Updates (4/16)

Recommendations:

- Facility and patient information is required
- Symptoms must be indicated or the patient will be considered asymptomatic and testing will not be performed
- Please attach relevant test results (e.g., influenza, RSV rapid test results)



SARS-CoV-2 Laboratory Requisition and PUI Evaluation Form

03/13/2020 v2.

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South Dakota Public Health Laboratory
615 E. Fourth Street
Pierre, SD 57501
Phone 605-773-3368 Fax 605-773-8201
www.state.sd.us/doh/Lab

Lab Use Only

Facility_____ Phone # _____

Address_____ Physician_____

City_____

Patient Information: Patient ID_____

Patient name: (Last)_____(First)_____ MI_____

Patient Address _____Date of Birth ____/____/_____ Sex ___ Race _____

City_____ State_____ Zip Code _____ Medicaid/Medicare #_____

Specimen Collection Date: ____/____/_____ Specimen Source: ☐Nasopharyngeal (NP) ☐Sputum

Patient Information:

Date of Onset ____/____/_____

Is the Patient Symptomatic? ☐ Yes ☐ No

Please indicate patient symptoms:

☐Fever, highest: ☐

☐Cough

☐Shortness of Breath

☐Sore Throat

☐Pneumonia

☐ARDS

Is the patient a healthcare worker, first responder, or active military or National Guard? ☐ Yes ☐ No

Is the patient hospitalized ☐ Yes ☐ No

Does the patient live in an institutional setting (e.g., long term care, assisted living, corrections)? ☐ Yes ☐ No

Please indicate if the patient has one or more of the following preexisting conditions:

☐ Heart Disease

☐ Lung Disease

☐ Immunosuppression

☐ Diabetes

☐ Pregnancy

☐ Other

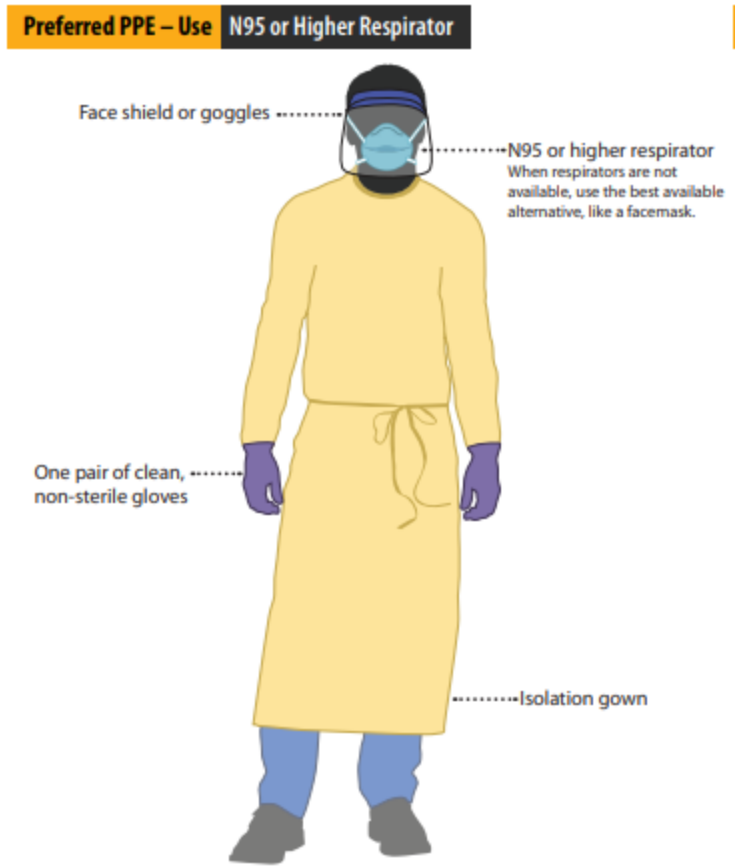
***Please attach or include any relevant results. (i.e. influenza, RSV, RPP, etc.)

Asymptomatic Individuals Will NOT Be Tested

Infection Control

Personal Protective Equipment

- Respirator or Facemask
- Eye Protection
- Gloves
- Gown



https://www.cdc.gov/coronavirus/2019-ncov/downloads/A_FS_HCP_COVID19_PPE.pdf

Interim Infection Prevention and Control Recommendations for Patients with Suspected or Confirmed Coronavirus Disease 2019 (COVID-19) in Healthcare Settings

Update April 13, 2020

- To address asymptomatic and pre-symptomatic transmission, implement source control for everyone entering a healthcare facility (e.g., healthcare personnel, patients, visitors), regardless of symptoms.
- Actively screen everyone for fever and symptoms of COVID-19 before they enter the healthcare facility.
- As community transmission intensifies within a region, healthcare facilities could consider foregoing contact tracing for exposures in a healthcare setting in favor of universal source control for HCP and screening for fever and symptoms before every shift.

https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html

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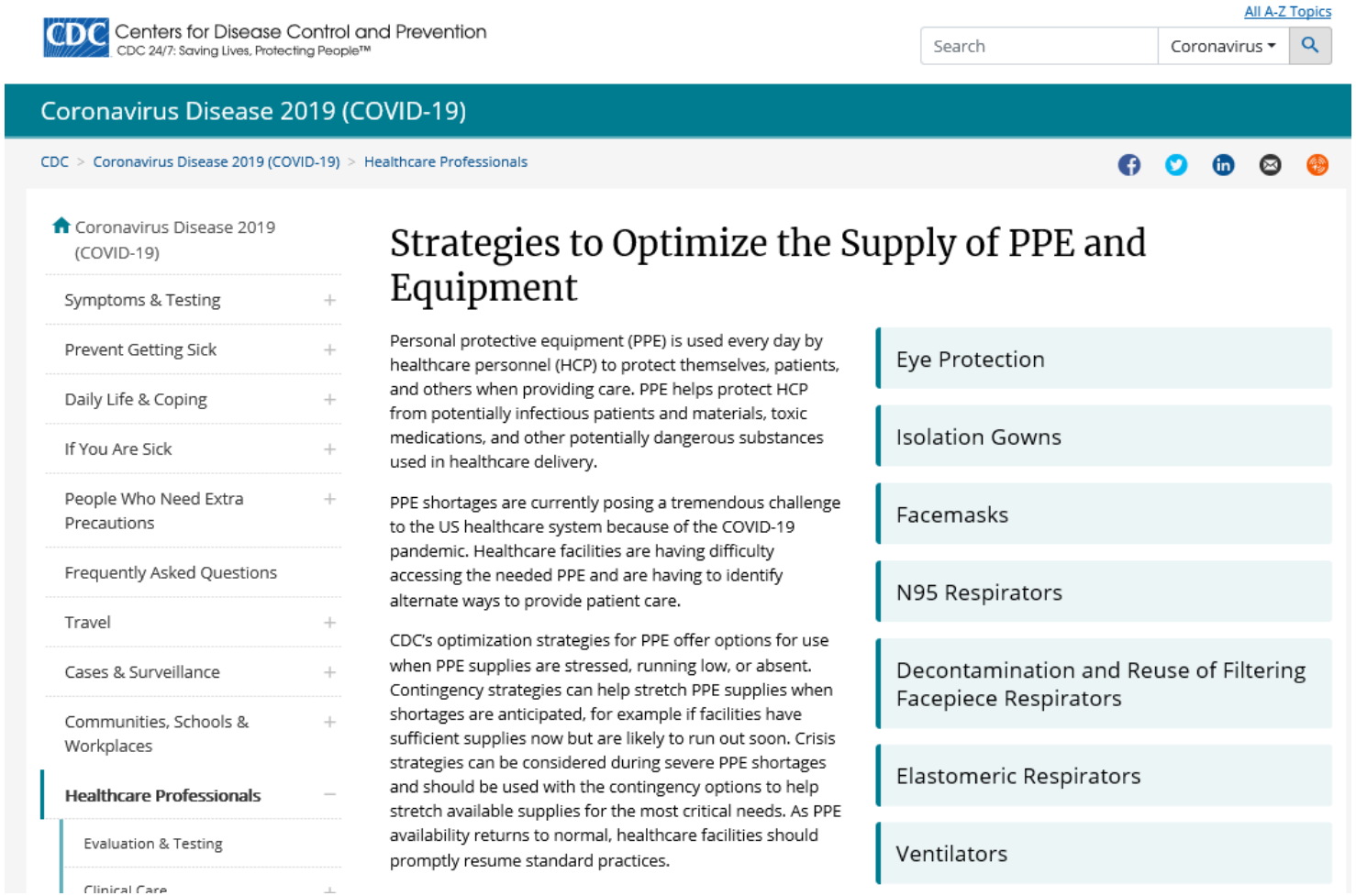
Strategies to Optimize the Supply of PPE and Equipment



CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

All A-Z Topics | Search | Coronavirus

Coronavirus Disease 2019 (COVID-19)

CDC > Coronavirus Disease 2019 (COVID-19) > Healthcare Professionals

Coronavirus Disease 2019 (COVID-19)
Symptoms & Testing
Prevent Getting Sick
Daily Life & Coping
If You Are Sick
People Who Need Extra Precautions
Frequently Asked Questions
Travel
Cases & Surveillance
Communities, Schools & Workplaces
Healthcare Professionals
Evaluation & Testing
Clinical Care

Strategies to Optimize the Supply of PPE and Equipment

Personal protective equipment (PPE) is used every day by healthcare personnel (HCP) to protect themselves, patients, and others when providing care. PPE helps protect HCP from potentially infectious patients and materials, toxic medications, and other potentially dangerous substances used in healthcare delivery.

PPE shortages are currently posing a tremendous challenge to the US healthcare system because of the COVID-19 pandemic. Healthcare facilities are having difficulty accessing the needed PPE and are having to identify alternate ways to provide patient care.

CDC's optimization strategies for PPE offer options for use when PPE supplies are stressed, running low, or absent. Contingency strategies can help stretch PPE supplies when shortages are anticipated, for example if facilities have sufficient supplies now but are likely to run out soon. Crisis strategies can be considered during severe PPE shortages and should be used with the contingency options to help stretch available supplies for the most critical needs. As PPE availability returns to normal, healthcare facilities should promptly resume standard practices.

Eye Protection
Isolation Gowns
Facemasks
N95 Respirators
Decontamination and Reuse of Filtering Facepiece Respirators
Elastomeric Respirators
Ventilators

https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html

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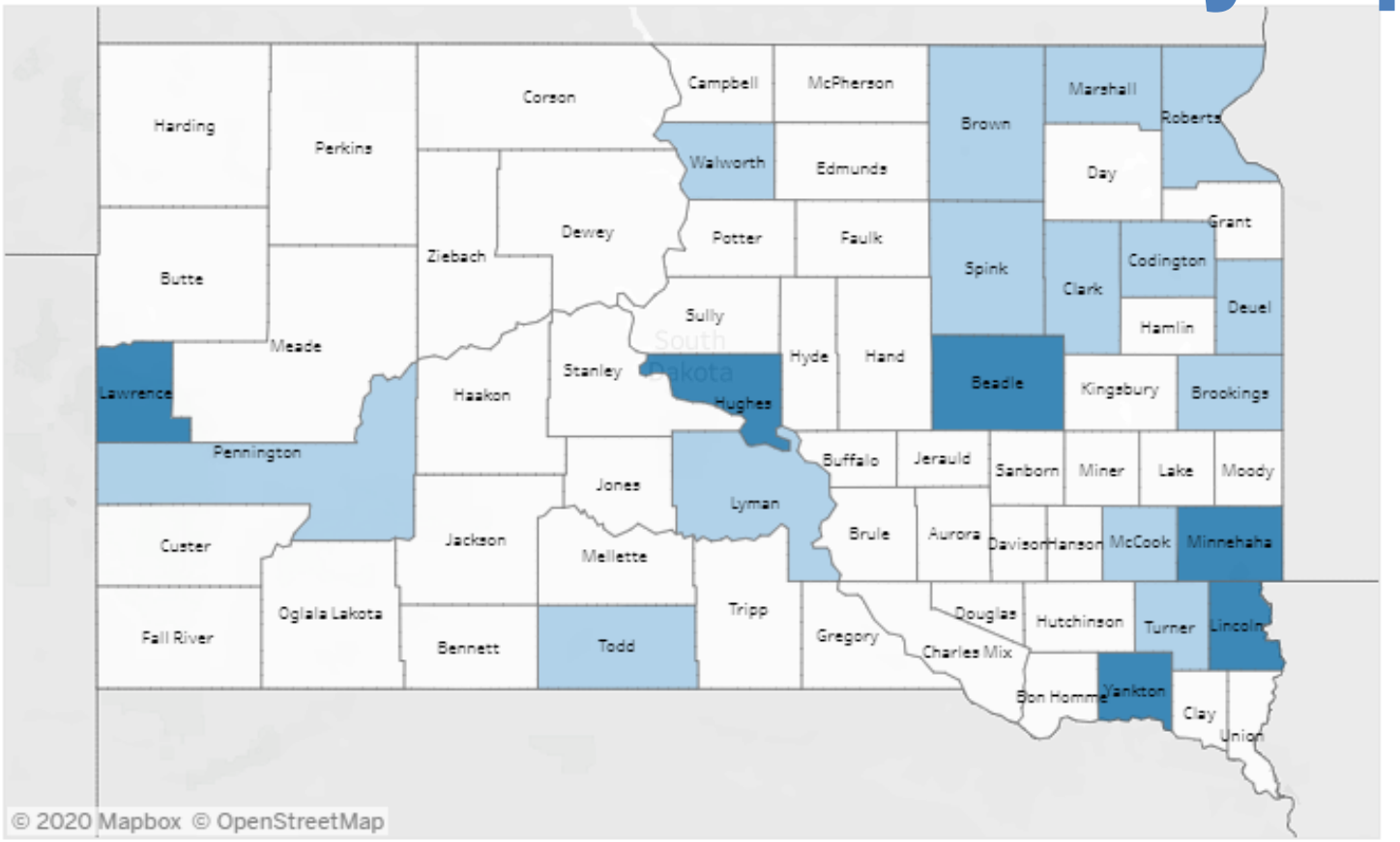
Additional Infection Control Discussions

Weekly

- Lab/Infection Control Call
- Long Term Care Call
- EMS Provider Call

Community Mitigation

20 Counties with Community Spread



Impact Level

- No Community Spread
- Minimal/Moderate Community Spread
- Substantial Community Spread

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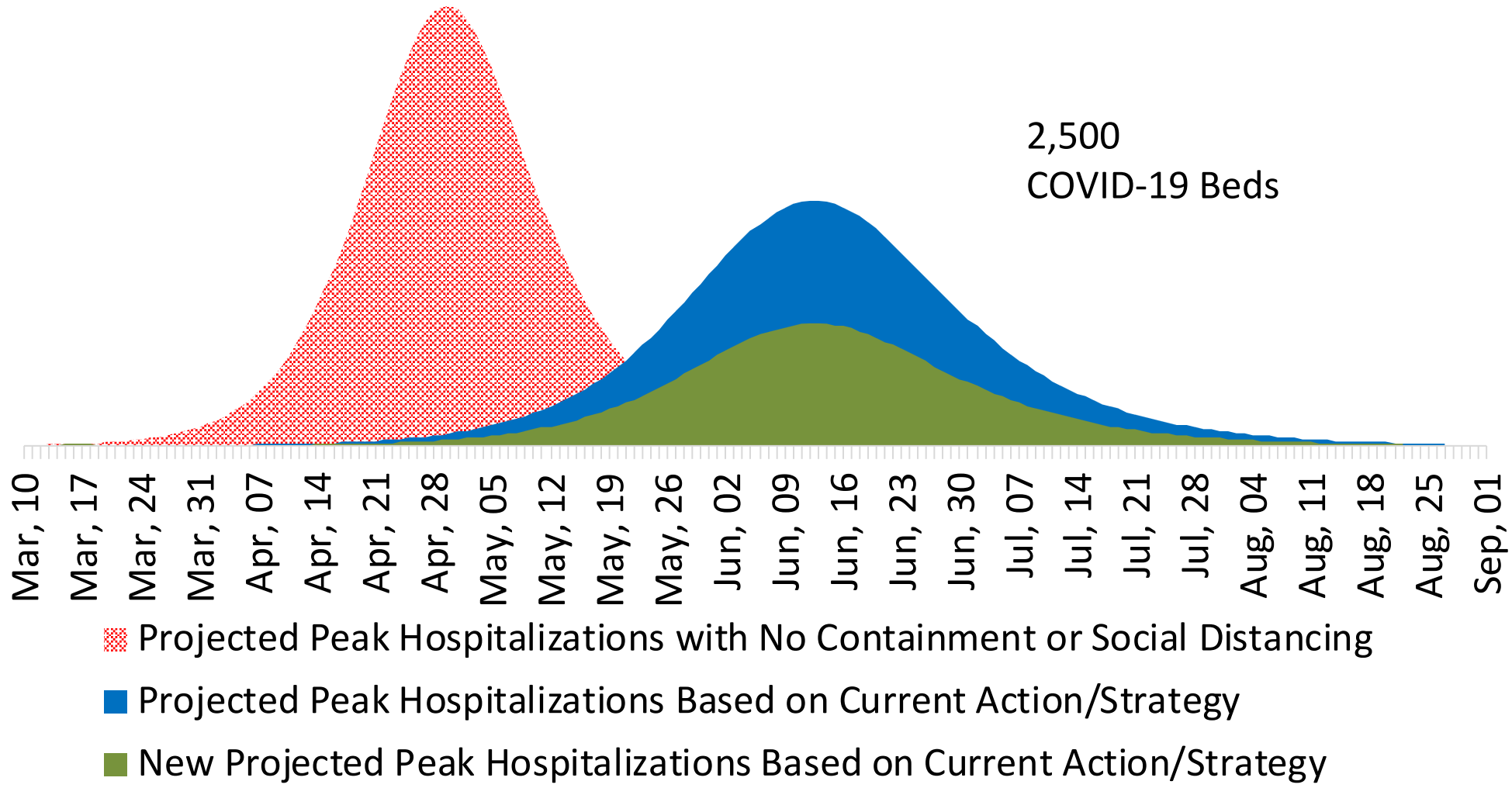
Release Date: April 15, 2020



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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.

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On-going Communication

Helpful Information Sources

covid.sd.gov

coronavirus.gov

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

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Communications

- SD-HAN: sdhan.sd.gov
- Epi Listserv
- Lab Listserv
- HAI Listserv
- OLC Listserv

Visit **covid.sd.gov** to subscribe

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Questions?

COVID Helpline: **800-997-2880**
Epidemiology: **605-773-3737**
Laboratory: **605-773-3368**

covid.sd.gov
COVIDSD@state.sd.us

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

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