



South Carolina Department of Health and Environmental Control

COVID-19

Coronavirus Disease 2019

Jonathan Knoche, MD, MPH, MSt

May 20, 2020

Disclaimer

Our understanding of this new disease and of the situation continues to *rapidly evolve* .

All of the information presented here is based on the most current available information and is *subject to change* as more becomes known.



Epidemiology

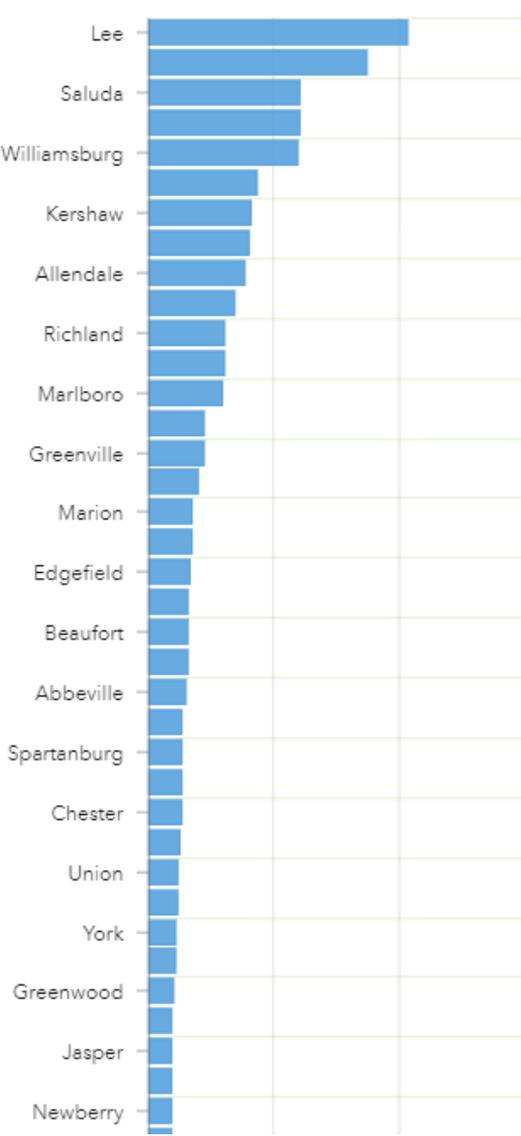
Monitoring & Testing in S.C.

As of May 18, 2020

There are currently 9,056 confirmed cases of COVID-19 in South Carolina.

Negative tests from DHEC Public Health Laboratory	24,677
Negative tests from private laboratories	101,330
Total negative tests	126,007
Total positive tests	9,056
Total number of tests performed in South Carolina	135,063

Rate per 100k population

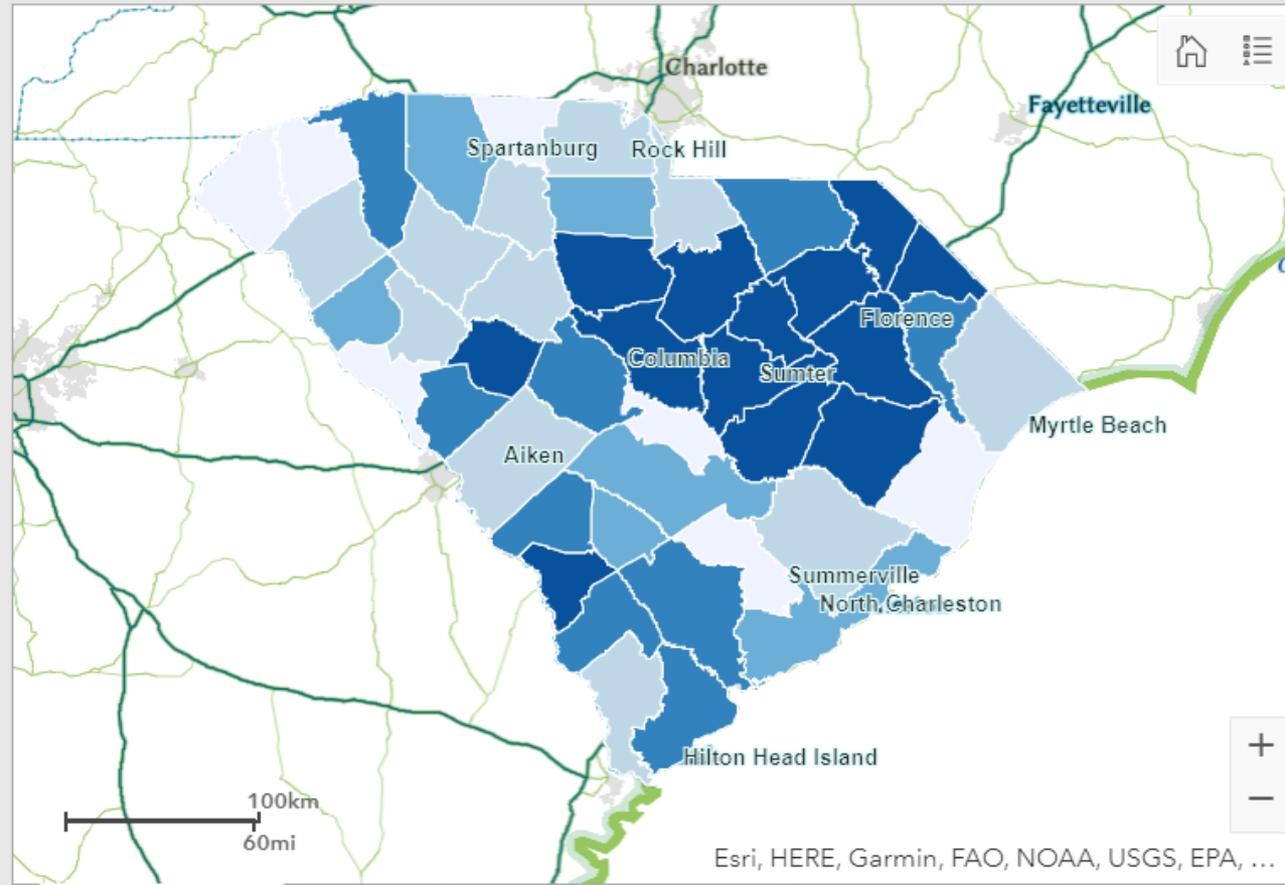


Deaths in Individuals with COVID-19 infection

399

Total Positive Cases

9,056



- Coronavirus Map
- Hospital
- Specimen Collection Site
- Alternate Care Site

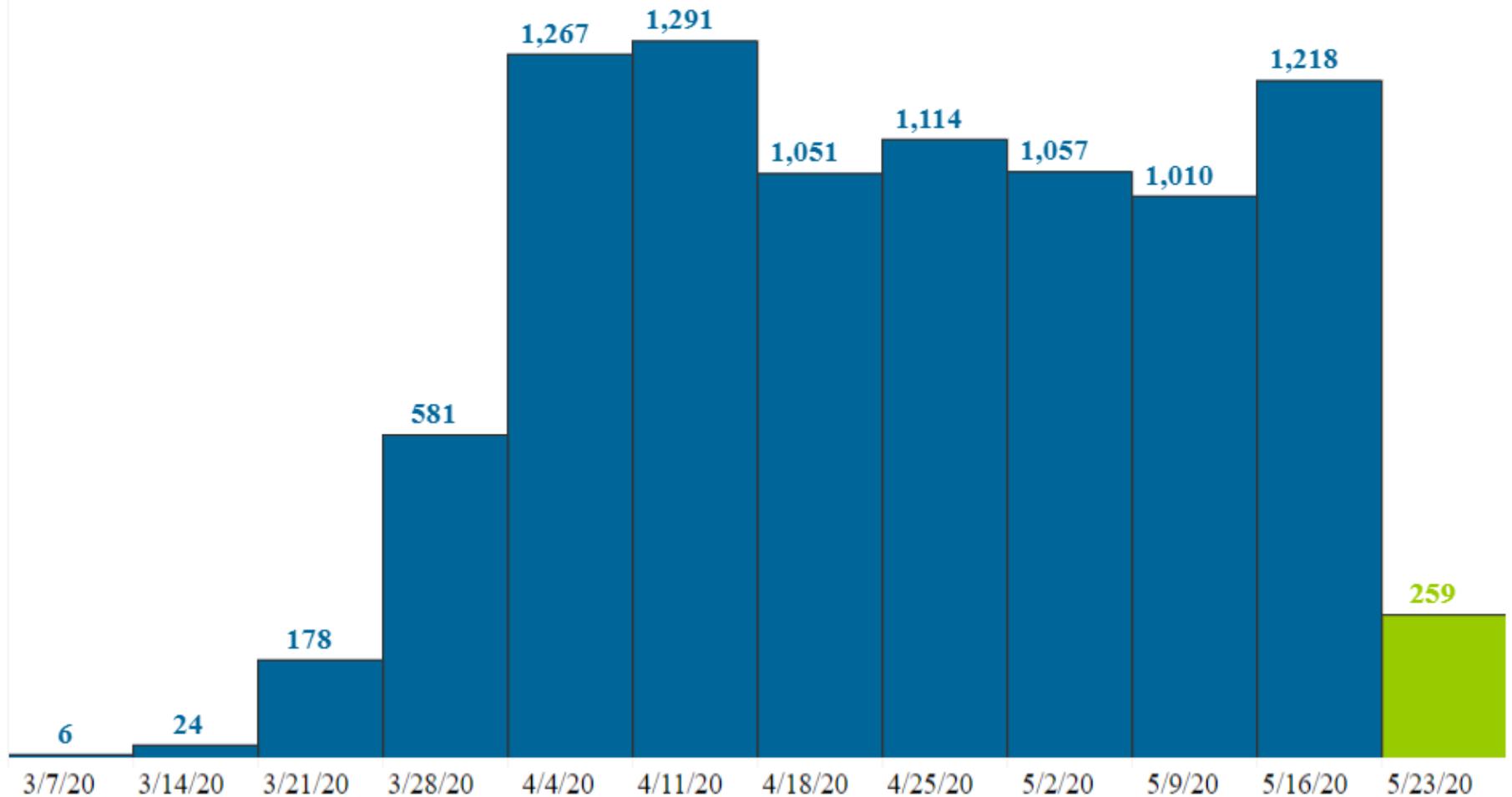
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, ...

Epidemiologic Data



Overview

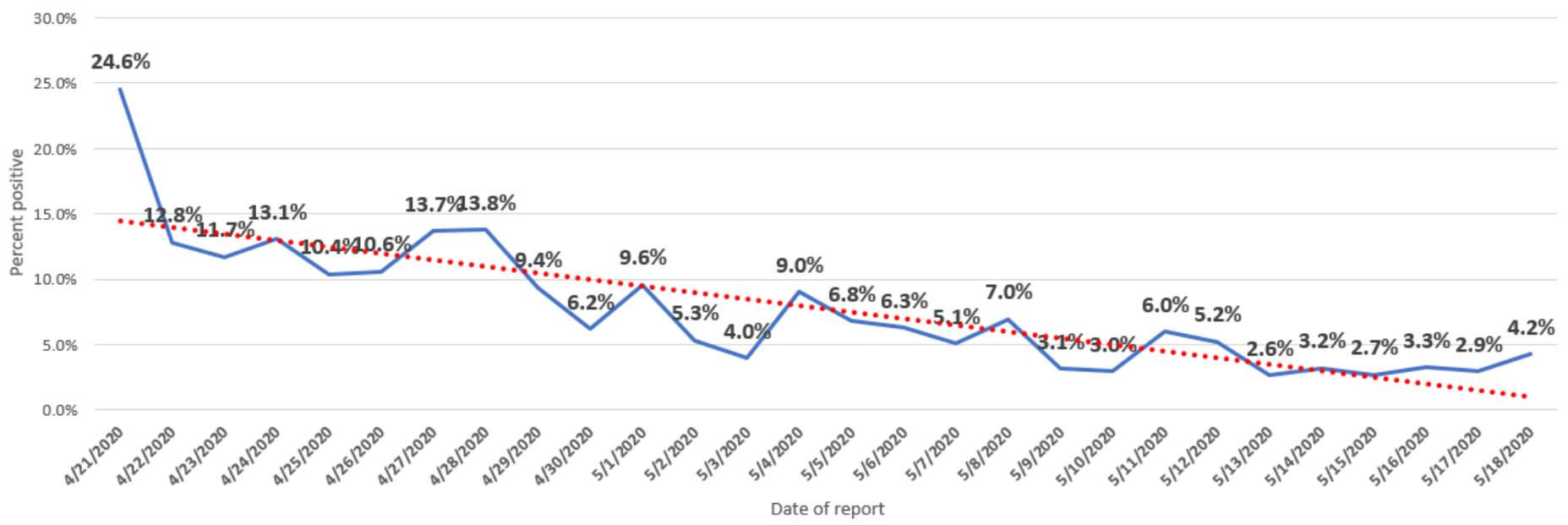
Reported COVID-19 Cases, by Week of Report (n=9,056)*



Note: Information presented are by week of report to DHEC. Data for the current week, highlighted in **green**, are not complete until the end of the identified reporting period. Comparison of disease activity by week should be made with caution.

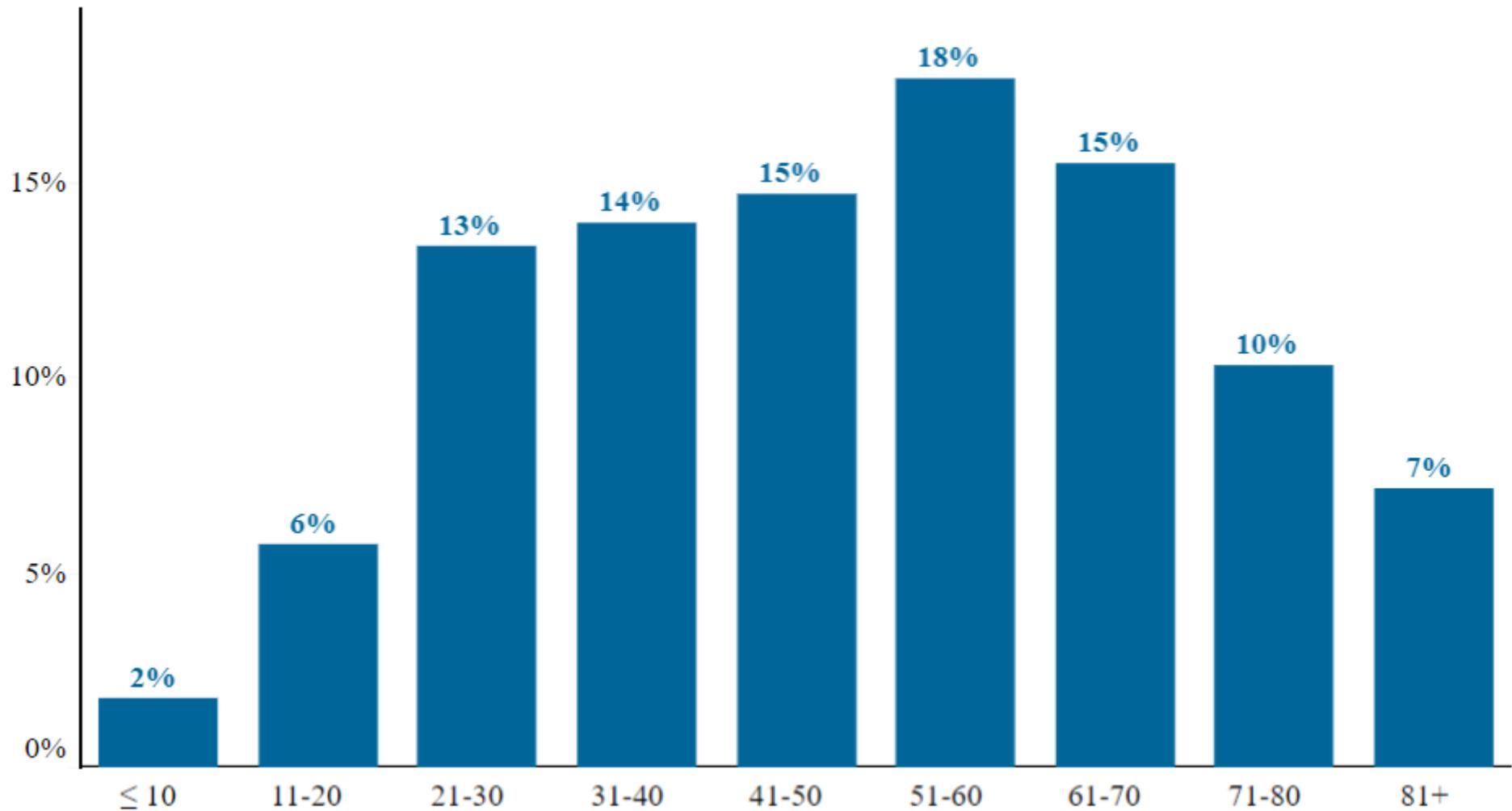
Increased testing= lower % +

Percent positive among reported COVID-19 tests, 28-day trend



* All data are provisional.

Reported COVID-19 Cases by Age Group (n=9,056)*





Projections

Week of	Cases	Cumulative Cases	Cumulative Case Rate / 100,000	Data Observed or Projected
Mar 1 – Mar 7	6	6	0.1	Observed
Mar 8 – Mar 14	24	30	1	Observed
Mar 15 – Mar 21	178	208	4	Observed
Mar 22 – Mar 28	581	789	15	Observed
Mar 29 – Apr 4	1267	2056	40	Observed
Apr 5 – Apr 11	1291	3347	64	Observed
Apr 12 – Apr 18	1053	4400	85	Observed
Apr 19 – Apr 25	1120	5520	106	Observed
Apr 26 – May 2	1064	6584	127	Observed
May 3 – May 9	1012	7596	146	Observed
May 10 – May 16	1220	8816	170	Observed
May 17 – May 23	1050	9866	190	Projected
May 24 – May 30	1024	10890	209	Projected
May 31 – June 6	1000	11890	229	Projected

Testing

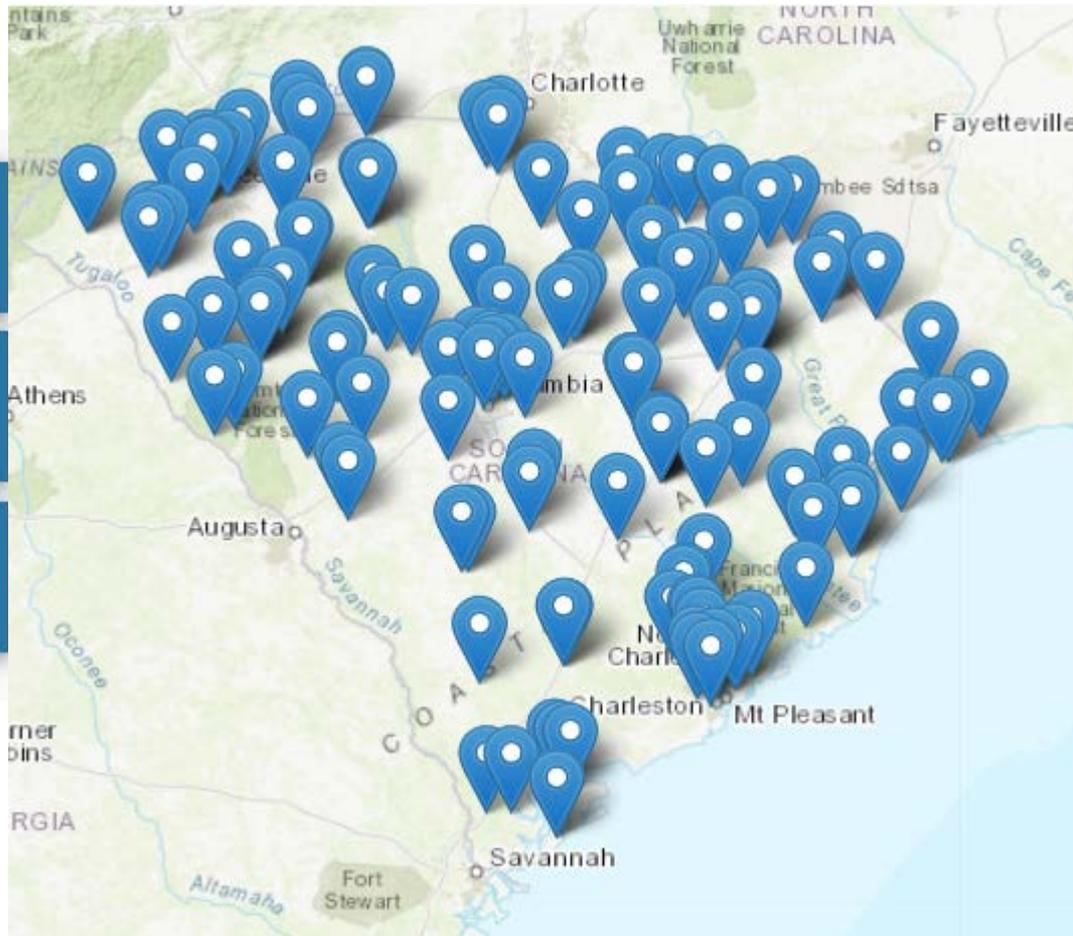
- PCR is still method of choice
 - PHL, Private labs (Quest and Labcorp largest)
 - Different turnaround times
- Nucleic acid tests; antigen tests
- Serology/antibody (FPs, FNs) —questionable quality

Testing Site Options

COVID-19

Mobile Testing Clinics

Telehealth Virtual Care Providers



Screening

- Screening/testing of all incoming students and staff is not recommended because the tests available at this time cannot provide assurance that someone will not become sick after the test is performed.
- If testing is done on campus for symptomatic individuals, health care staff should wear the appropriate PPE.

Strategies to Optimize the Supply of PPE and Equipment

Optimize PPE Supply

[PPE Burn Rate Calculator](#)

[Eye Protection](#)

[Gowns](#)

[Facemasks](#)

[N95 Respirators](#)

[Decontamination & Reuse of
Filtering Facepiece Respirators](#)

[Ventilators](#)

[FAQ About PPE](#)

How to Request PPE

- Hospitals, EMS and other medical providers that need to request resources or supplies during emergencies should:
 1. Ensure suppliers routinely used cannot meet request.
 2. Utilize any mutual aid agreements that are in place.
 3. Request assistance through the local healthcare coalition
 - Lowcountry: [RCGLowcountry -Supplies@dhec.sc.gov](mailto:RCGLowcountry-Supplies@dhec.sc.gov)
 - Pee Dee: WhitePM@dhec.sc.gov
 - Midlands: phillist@dhec.sc.gov
 - Upstate: RCGUpstate -PPE@dhec.sc.gov

How to Request PPE

- Once you have reached step 3 in this process, please provide:
 1. Contact person's email and cell phone,
 2. Asset type,
 3. Number requested,
 4. Burn rate,
 5. Current supply and
 6. Acknowledgement that steps 1&2 were complete by email

A confirmed student on campus

Confirmed Cases/Isolation

- Students in any type of housing diagnosed with COVID-19 should be immediately isolated and placed in temporary housing
- A positive COVID-19 case should not necessarily be sent to their permanent homes off-campus.
- Confirmed cases will need to identify all close contacts (individuals who were within 6 ft of the case for more than 15 minutes 48 hours before symptom onset to date of isolation)

Close Contacts/Quarantine

- Students residing on the same floor or wing and sharing a communal bathroom with a student diagnosed with COVID -19 may be considered “close contacts” and quarantined in place for a period of 14 days since last exposure to the confirmed case.
 - This recommendation to quarantine the close contacts on the entire floor or wing in place parallels recommendations for cohorting of exposed residents in nursing care facilities, as asymptomatic and pre -symptomatic spread has been documented and can accelerate COVID -19 spread in congregate living facilities.

General Prevention Strategies

- Recommendations and reminders for general COVID-19 prevention should be posted in numerous locations
- To the extent possible, students should be encouraged to practice social distancing (at least 6 feet apart from others) and wear cloth face coverings in shared residential facility spaces or in classrooms
 - If desks are used, increase the space between them .
 - Avoid assemblies or other congregate events.

General Prevention Strategies

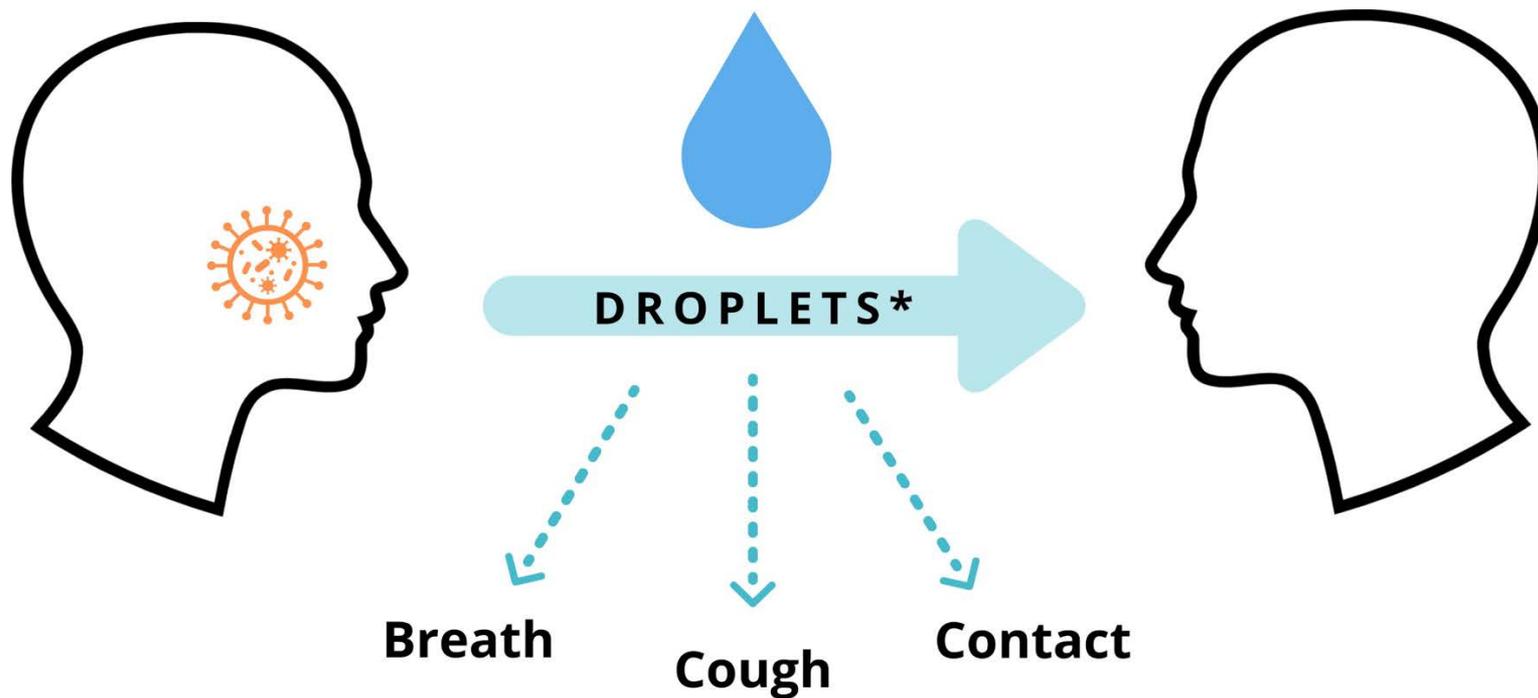
- Consider screening by asking students if they have any symptoms of COVID -19. This could be done on an individual basis by asking each student as they enter their classroom or on a group basis via announcements reminding students to excuse themselves if feeling ill.
 - Consider limiting large in -person didactics/seminars.
- Limit dining hall numbers (remove chairs), make to go options available, and encourage outdoor dining.

General Prevention Strategies

Cleaning and Disinfection

- Routinely clean and disinfect surfaces and objects that are frequently touched (e.g., doorknobs, light switches, classroom sink handles, countertops). Using an appropriate disinfectant, wipe down items (e.g., desks, chairs) and equipment before each use.
- The CDC provides additional information on [Cleaning and Disinfecting a Facility](#), including guidance on appropriate personal protective equipment to wear while cleaning and disinfecting.
- Increase the ventilation (air exchange) rate and the percent outdoor air in ventilation, if possible.

Transmission



** Droplets can land in the mouths or noses of people who are nearby or possibly be inhaled into the lungs.*

Thank you!

Questions?

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Resources

SCDHEC: Colleges & Universities (COVID19)

<https://www.scdhec.gov/infectious-diseases/viruses/coronavirus-disease-2019-covid-19/colleges-universities-covid-19>

CDC: COVID19 Guidance for Shared or Congregate Housing

<https://www.cdc.gov/coronavirus/2019-ncov/community/shared-congregate-house/guidance-shared-congregate-housing.html>

CDC: Interim Guidance for Administrators of US Institutions of Higher Education

<https://www.cdc.gov/coronavirus/2019-ncov/community/guidance-ihe-response.html>

CDC: Discontinuation of Isolation for Persons with COVID-19 Not in Healthcare Settings

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/disposition-in-home-patients.html>

Considerations for Reopening Institutions of Higher Education in the COVID-19 Era

https://www.acha.org/documents/resources/guidelines/ACHA_Considerations_for_Reopening_IHEs_in_the_COVID19_Era_May2020.pdf



Where to Report a Case

Regional Public Health Offices – 2020

Mail or call reports to the Epidemiology Office in each Public Health Region

MAIL TO:

<p><u>Lowcountry</u> 4050 Bridge View Drive, Suite 600 N. Charleston, SC 29405 Fax: (843) 953-0051</p>	<p><u>Midlands</u> 2000 Hampton Street Columbia, SC 29204 Fax: (803) 576-2993</p>	<p><u>Pee Dee</u> 1931 Industrial Park Road Conway, SC 29526 Fax: (843) 915-6502 Fax2: (843) 915-6506</p>	<p><u>Upstate</u> 200 University Ridge Greenville, SC 29602 Fax: (864) 282-4373</p>
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CALL TO:

<p><u>Lowcountry</u> Allendale, Bamberg, Beaufort, Berkeley, Calhoun, Charleston, Colleton, Dorchester, Hampton, Jasper, Orangeburg</p> <p>Office: (843) 441-1091 Nights/Weekends: (843) 441-1091</p>	<p><u>Midlands</u> Aiken, Barnwell, Chester, Edgefield, Fairfield, Kershaw, Lancaster, Lexington, Newberry, Richland, Saluda, York</p> <p>Office: (888) 801-1046 Nights/Weekends: (888) 801-1046</p>	<p><u>Pee Dee</u> Clarendon, Chesterfield, Darlington, Dillon, Florence, Georgetown, Horry, Lee, Marion, Marlboro, Sumter, Williamsburg</p> <p>Office: (843) 915-8886 Nights/Weekends: (843) 915-8845</p>	<p><u>Upstate</u> Abbeville, Anderson, Cherokee, Greenville, Greenwood, Laurens, McCormick, Oconee, Pickens, Spartanburg, Union</p> <p>Office: (864) 372-3133 Nights/Weekends: (864) 423-6648</p>
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**DHEC Bureau of Communicable
Disease Prevention & Control**

Division of Acute Disease Epidemiology
2100 Bull St • Columbia, SC 29201
Phone: (803) 898-0861 • Fax: (803) 898-0897
Nights / Weekends: 1-888-847-0902

For information on reportable conditions, see
<https://www.scdhec.gov/ReportableConditions>