

**The Corona Virus Tidal
Wave that is Coming**

COVID-19: Coosaw Creek Country Club Community Ramifications

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General Overview

- White House COVID-19 Team Briefing at 4PM EST, 16 March, driven by receipt of **new** Modeling Sets and Statistical Reports – updated Guidelines (e.g. 10 people, Message to Millennials)
- SC Governor Brief 4PM, 17 March. State Taxes deferred till 1 June; Closing of Dine-In- Service, 47 Cases of COVID-19 in State, 1 death.
- Dorchester County declared “State of Emergency,” effective 6PM 16 March 2020 – Continuity of Government, Provided Guidelines.
- Latest Models that are driving US Government Guidelines are driven by “flattening the curve” and to mitigate the **potential of 2.2 Million deaths in USA**
- Critical to “Flattening the Curve” are self quarantine, smart hygiene, social distancing
- Sharp spike of COVID-19 cases across the nation is expected in April/May.
- US Government focused on dramatically improving testing, availability of Masks and protective garments for Health Care workers, ICU capacity, and Respirators and Ventilators for the anticipated deluge of patients.

US GOVERNMENT URGENCY IS EVIDENT

COVID-19 FACTS

- Current US COVID Status: 5,700 Cases in 49 States, three hotspots (NY; WA; CA), 95 Deaths as of 17 March; (Globally 197, 000cases, 8,000 deaths)
- Ratio of Identified versus actual COVID-19 cases: 1 to 6-10.
- COVID 19 Incubation Period (Includes Silent Spread) 2-21 days
- COVID 19 Spread from Person to Person Factor: Ratio is 1-3.5
- Severity of Disease Statistics: 81% Mild; 13.8% Severe;4.7% Critical. Approximate Death Rate 1.5%. (based on data from China)
- Hospitalization Rate 5%, ICU 2%, Respirators 1%: (See U of PA CHIME Model)
- Death Rate Statistics by Age Group: **80+ years old 14.8%** **70-79 years old 8.0%** **60-69 years old 3.6%** 50-59 years old 1.3% (based on Chinese data)
- Key Mitigation Approaches from Singapore, Hong Kong, Taiwan: Testing, quarantine, social distancing



Coosaw Creek Country Club Community Data (Estimates)

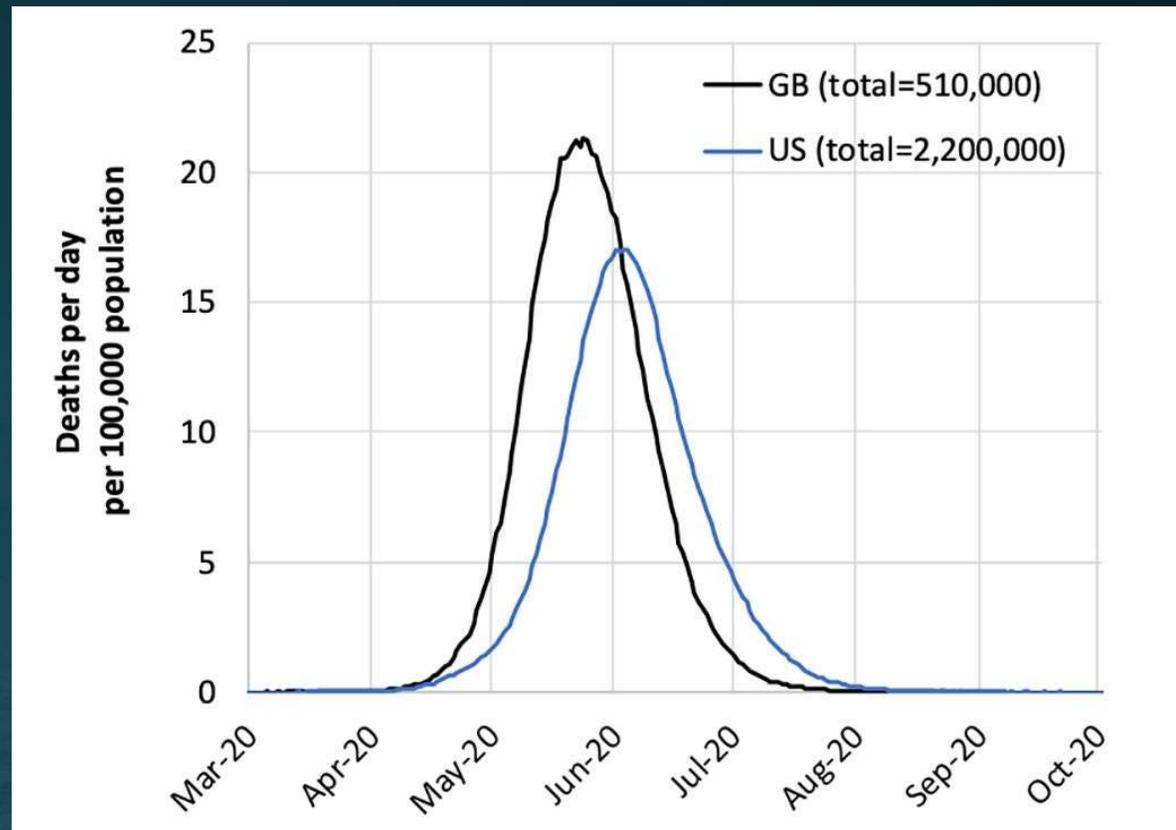
- 600 Homes
- Approximately 2000 Residents
- 1/3 of the Property Owners and Spouses are Age 60 and above (Estimate is 400 Residents +/-)
- 50-75 Residents have traveled business wise, globally, been on cruise ships, or came back from college – or semesters abroad during the past 45 -60 days.
- 25 Residents are in the Health Care Industry: Doctors, Nurses, Dentists, Health Care Workers (Active and Retired)
- 50+ Residents have compromised Immune Systems due to Cancer, Lung Disease, Multiple Sclerosis/Lupus, Diabetes et.al



Key Observation from UK Imperial College Report

- “What had the biggest impact in the COVID-19 model is social distancing, small groups, not going in public in large groups,” Dr. Birx said. “The most important thing was if one person in the household became infected, the whole household self-quarantined for 14 days. Because that stops 100 percent of the transmission outside of the household.”
 - Note: Dr. Deborah Birx is the White House COVID-19 Task Force Coordinator
 - Source: <https://www.nytimes.com/2020/03/16/us/coronavirus-fatality-rate-white-house.html>

Imperial College, London England Research Report on COVID-19 Model





US GOVN 16 March Guidance: Taking action now to keep America ahead of the COVID -19 curve

- Listen to and follow the directions of your **state and local authorities**.
- **If you feel sick, stay home**. Do not go to work. Contact your medical provider.
- **If your children are sick**, keep them at home. Contact your medical provider.
- If someone in your household **has tested positive for the Coronavirus**, keep the entire household at home.
- **If you are an older American**, stay home and away from other people.
- If you are a person with a **serious underlying health condition**—such as a significant heart or lung disease—stay home and away from other people.
- 16 March 2020 **guidelines** build on the CDC's recommendations to help prevent spread of the virus. Americans should continue practicing strict personal hygiene, including washing hands regularly for at least 20 seconds at a time and wiping down surfaces in the home regularly.

Key Notes from Discussions with EMDs, MEOC

- Within South Carolina, DHEC in Charge with SCEMD in Support. There is no Public Health Department at Dorchester County level. Dorchester County Leadership engaged.
- Anticipatory Tri-County and Cities (Charleston, N Charleston, Mt Pleasant, Summerville) Collaboration ongoing – sponsored by EMDs and MEOCs
- Dorchester County EMD at OPCON 2 with virtual Staffing
 - Assessed vulnerable, at-risk population
 - Developed Continuity of Government and Mitigation Strategies (e.g. Closed Senior Centers, Meals on Wheels)
- Working out details of:
 - Implementing specific protocols for calls for service in which the individual has traveled outside of the country, been in contact with a traveler, been in contact with someone exposed, or has symptoms of the virus.
 - staffing of COVID-19 Quick Response Vehicles Reconnaissance
 - Designation and Pickup of Serious COVID 19 patients by selected ambulances
 - Backup support from SC Civil Support Team (USAR, 243rd Chem BDE)
- Recommendations:
 - Utilize Social Media Channels and Website, sign up for Updates (Dorchester County)
 - Call doctor first to describe symptoms – if you use 911, or Telehealth Services – see Slides 15-17
Ensure 7 days of Food supplies to lessen trips to Stores
 - Reach out to Neighbors
 - Follow CDC SCDEHEC Guidelines



Detailed CDC Guidelines

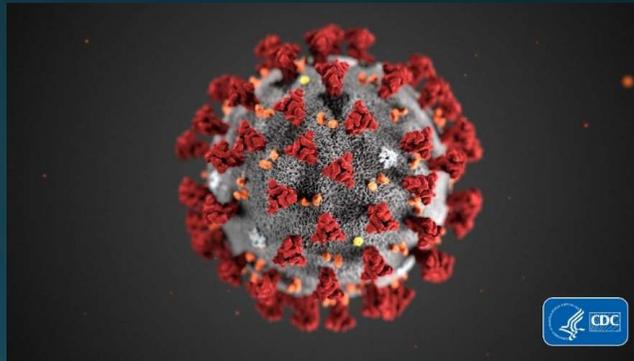
- If you feel sick, stay home. Don't go to work. Contact your doctor.
- If your children are sick, keep them home.
- If someone in your house has tested positive for the coronavirus, keep the entire household at home. Don't go to work.
- If you are older, stay home and away from people.
- If you have underlying health conditions, stay home and away from others.
- If you work in infrastructure, follow CDC guidelines to protect health.
- Work or engage in schooling from home when you can.
- Avoid social gatherings.
- Avoid eating or drinking at bars, restaurants or food courts. Use drive-through, pickup or delivery options for food.
- Avoid shopping trips, social visits and discretionary travel.
- Do not visit nursing homes or retirement homes.
- **Practice good hygiene.**



Practice Good Hygiene to Prevent COVID-19 Spread

- *Avoid close contact with sick people.*
- *While sick, limit contact with others as much as possible.*
- *Stay home if you are sick.*
- *Cover your nose and mouth when you cough or sneeze.*
- *Avoid touching your eyes, nose and mouth with unwashed hands; germs spread this way.*
- ***Wash your hands often with soap and water for at least 20 seconds. If soap and water are not available, use an alcohol based hand rub with at least 60% alcohol.***
- ***Clean and disinfect surfaces and objects that may be contaminated with germs.***

Persistence of Coronavirus on Surfaces



The analysis of 22 studies revealed that human coronaviruses can persist on inanimate surfaces like metal, glass or plastic for up to 9 days. On average, they survive between 4 and 5 days. "Low temperature and high air humidity further increase their lifespan," Professor Kampf said. Tests with various disinfection solutions showed that human coronaviruses can be efficiently inactivated by surface disinfection procedures with 62-71% ethanol, 0.5% hydrogen peroxide or 0.1% sodium hypochlorite within one minute.



Cleaning products that kill COVID-19, if used properly

- Disinfect high-touch areas such as faucet handles, doorknobs, stair rails and countertops.
- Best practice is to disinfect these surfaces several times a day.
 - Soap and water works. The soap removes the viral particles that have attached themselves to surfaces — whether it's your hands, face or countertops — and suspends them in the water, so they can be washed away
 - Bleach is very effective at killing the coronavirus, as well as virtually every other germ on the face of the planet. The CDC formula for making a diluted bleach solution: Use 5 tablespoons (1/3 cup) of bleach in one gallon of water or 4 teaspoons of bleach in one quart of water.
 - Hydrogen peroxide is not as strong as bleach, use it straight. Hydrogen peroxide decomposes into water and oxygen.
 - Rubbing alcohol products that are at least 70 percent alcohol will kill the coronavirus with less potential for damage than bleach.
 - Distilled white vinegar or vodka - no evidence that they are effective against coronavirus."

Source: <https://www.nbcnews.com/better/lifestyle/many-common-household-cleaning-products-can-kill-coronavirus-if-you-ncna1160271>



Conclusion and Recommendations for the Disaster Preparedness Committee

- **Key Conclusion:** USA and South Carolina in early phase of the COVID 19 Pandemic. Numbers will Change. Restriction will get tighter to contain spread of COVID-19. **We will experience Coronavirus cases in our community.**
- **Recommendations:**
 - Conduct Outreach via Block Captains to define our At-Risk Population and who might need help
 - Issue a Community Flyer on Guidelines to each Resident via Mailbox (Leverage Guidelines from this Briefing and CDC)
 - Issue This Slide Set to all Block Captains, Committee Members , CERT Team Members and provide periodic updates
 - Get POA Board Leadership on board with supporting the Individual Resident Guidelines and issuing a formal letter to the community.
 - Conduct Continuity of Operations Planning – ie. Key personnel get hit with virus, Preparation for Hurricane Season while concurrent Virus cases increase, Back-up for restarting radio repeater, food distribution to high at-risk residents that should not go out of their homes.



Coosaw Creek Community Resident Recommendations:

- Secure Medical Prescriptions for 60-90 days
- If High Risk Resident (Age 65+, compromised immune system) Cancel Non-essential Doctors Visits
- Advocate and Practice Social Distancing
- Wash Hands Religiously
- Stay in touch with Neighbors (by phone) - do they need help?
- Reach out to Elderly and Reassure them via Facetime, or Phone Calls
- Advocate to Millennials to adhere to CDC Guidelines
- Follow CDC Guidelines if symptoms appear:
 - Call Doctors Office for Guidance
 - If in the High-Risk Group: STAY HOME – Self Quarantine!!!
 - **Leverage local Telehealth Resources (See Slides 15-17)**

Telehealth in Low Country

- MUSC: If you are concerned about coronavirus (COVID-19) or experiencing respiratory or flulike symptoms such as fever and/or cough, MUSC recommends you speak to an online virtual care provider (24/7). Virtual COVID-19 screenings are free. Just use the code COVID19 when you **log in** to the MUSC Health Virtual Urgent Care Platform. <https://campaigns.muschealth.org/virtual-care/index.html>
- Roper St. Francis Free Virtual Care Screenings for COVID-19
- This Hospital is offering free virtual care screenings to anyone experiencing COVID-19 symptoms. Patients who have fever, coughing and shortness of breath can speak with a provider between 8 a.m. to 8 p.m. Use the promo code COVID19. Virtual visits outside of this timeframe will be charged the standard flat rate of \$59. See: <https://www.rsfh.com/virtualcare/faqs>

MUSC Respiratory Collection Site

As an extension of the [MUSC Health Virtual Urgent Care](#) online platform, patients who need specimen collection for possible respiratory illness or "COVID-19-like" symptom testing will now have access to a drive-through MUSC Health respiratory specimen collection site. This drive-through site is in the parking lot of the Citadel Mall campus, outside the MUSC Health West Ashley Medical Pavilion.

The MUSC Health West Ashley Medical Pavilion is not a specimen collection site for this purpose. Signage will direct patients with testing orders and scheduled appointments to the entrance of the secure site in the parking lot. Providers within the site, wearing the appropriate CDC-recommended personal protective equipment, will quickly collect specimens from only those patients who have screened into the system as "high risk" for respiratory illness, including possible exposure to COVID-19.

A major concern for health care providers remains exposing vulnerable or non-infected patients to those patients who do have the virus and arrive to seek care in clinics, waiting rooms, hospitals and other such areas. To date, [most patients](#) will experience mild to moderate illness while treating viral symptoms and recover within a week from the onset of symptoms. These patients can be triaged through the online platform, receive lab orders and scheduled appointments to report to the site; they then can complete specimen collection without having to leave their vehicles and possibly exposing others to the virus.

On March 7, MUSC Health launched access to free respiratory illness screenings using its virtual urgent care telehealth platform. Currently, using a promo code (COVID19), patients can engage in a free online health care screening. There are no age restrictions on who can be screened, meaning both adult and pediatric patients can be screened through the online platform.

Although online screening is free, it is important to note that specimen collection available at the drive-through site and subsequent laboratory processing will be billed to patients' insurance providers or considered self-pay. As always, patients can access the MUSC Health financial assistance team if they encounter difficulties or barriers to payment. Patients will receive information about collection and testing procedures when they schedule their appointment, prior to their arrival at the collection site.

The combined effort to provide direct, timely, online access to screening plus drive-through specimen collection for patients with possible COVID-19 exposure, identified through the MUSC virtual urgent care platform, is unique nationwide. For example, while other health systems are offering drive-through specimen collection, "tent-style" walk-up sites or telehealth to help mitigate the spread of COVID-19, this is the first known combination of telehealth screening and drive-through specimen collection to address and mitigate the potential exposure to and spread of the virus.

It is important to note: This is not a self-select drive-through or walk-up service for anyone in the community who has a health concern; individuals who report to the site for specimen collection, but do not have a testing order and scheduled appointment through the MUSC Health Virtual Urgent Care platform, will not be allowed to enter the secure site.



IF All Else Fails

- In an emergency, If you dial 911 (you're calling Charleston area Consolidated Dispatch) you will be asked a set of screening questions to ensure the most appropriate level of response. This special screening is standard now at all 911 centers in the Tri-County area.
- **Call your Block Captain for Assistance**

Websites and Resource Information

- **Dorchester County:** DorchesterCountySC.gov/covid19 will serve as the central information hub for Dorchester County. Dorchester County recommends saving this link and following Dorchester County Government on Facebook and Twitter for updates.
- **City of North Charleston:** <https://www.northcharleston.org/>
- **MUSC:** <https://web.musc.edu/>
- **Charleston County:** <https://www.charlestoncounty.org/>
- **SCDHEC:** <https://scdhec.gov/infectious-diseases/viruses/coronavirus-disease-2019-covid-19> **Note: SCDHEC has organized Telehealth Services:**
 - Several South Carolina health systems are offering telehealth options to the public. These options are available to anyone experiencing COVID-19 symptoms in South Carolina. In order to access the free consult, **use the promo code COVID19.**
 - **[MUSC Health Virtual Urgent Care](#); [McLeod Telehealth](#); [Prisma Health Virtual Visit](#); [Roper St. Francis Healthcare Virtual Care](#)**
 - Also, **[Self Regional Healthcare](#)** is offering telephone screening. Call the COVID-19 Screening Line at **[\(864\) 725-4500](tel:8647254500).**
- **CDC:** <https://www.cdc.gov/coronavirus/2019-ncov/index.html>
- **NIH:** <https://www.nih.gov/>
- **FEMA:** <https://www.fema.gov/>

Websites and Information Sources

- New York Times COVID-19 Tracking:
<https://www.nytimes.com/interactive/2020/us/coronavirus-us-cases.html>
- NY Times Article on UK Imperial College Report and White House Press Brief on 16 March 2020:
<https://www.nytimes.com/2020/03/16/us/coronavirus-fatality-rate-white-house.html>
- University of Pennsylvania CHIME Model Article:
<https://www.statnews.com/2020/03/16/coronavirus-model-shows-hospitals-what-to-expect/>
- COVID-19 Death Rate:
<https://www.democraticunderground.com/100213014772>
- **Persistence of Coronavirus:** <http://www.sci-news.com/medicine/human-coronaviruses-disinfection-08112.html>