



Recreation Committee

5:00 p.m., Monday, June 1, 2020
1207 Palm Boulevard, Isle of Palms, South Carolina

Virtual Meeting Due to COVID-19 Pandemic:

The public may join the virtual meeting by clicking here: <https://www.youtube.com/user/cityofisleofpalms>

Public Comment:

Citizens may provide public comment here:
<https://www.iop.net/public-comment-form>

Agenda

1. **Call to order** and acknowledgment that the press and the public have been duly notified of the meeting in accordance with the Freedom of Information Act.
2. **Approval of previous meeting's minutes** – May 13, 2020
3. **Citizens' Comments** – Citizens may submit written comments here: <https://www.iop.net/public-comment-form>. Comments received prior to the meeting will be entered into the record.
4. **Departmental Report** – Director Page
5. **Old Business**
Discussion of phased reopening plan for the Recreation Center
6. **New Business**
7. **Miscellaneous Business**
Next meeting date: 5:00 p.m., Monday, July 6, 2020
8. **Adjournment**



Recreation Committee Meeting

5:00pm, Wednesday, May 13, 2020

Virtual Meeting via Zoom call due to COVID-19 Pandemic:

Broadcasted live on YouTube: <https://www.youtube.com/user/cityofisleofpalms>

MINUTES

1. Call to order

Present: Council members Smith and Moye

Absent: Council Member Popson

Staff Present: Administrator Fragoso, Director Page, Asst. Director Farrell

2. Approval of the previous meeting's minutes – March 2, 2020

MOTION: Council Member Moye made a motion to approve and Council Member Smith seconded the motion. The motion passed unanimously.

3. Citizens' Comments

Administrator Fragoso read a comment submitted to the Recreation Committee via the City's website. It is attached to these minutes.

4. Departmental Reports – Director Page

Director Page reviewed the list of activities and events that have been cancelled due to the COVID-19 pandemic. She also gave a lengthy list of projects completed by Recreation Department staff during the shutdown including many cleaning and organizing tasks in the Recreation Center in anticipation of a full reopening.

She reported on upcoming activities including the Beach Run on July 25, the Half-Rubber Tournament in August, the Farmer's Market (starting on Wednesdays in July), and Camp Summer Shine starting on June 15.

According to Director Page, the soft reopening of the Recreation Center started on May 4 has been successful.

She reminded Committee members of her research into online registration software. She reported that the companies she had been speaking with prior to the shutdown are honoring those same prices.

5. Old Business

Update on the Swimming Pool Citizen Advisory Board

Committee members and staff agreed that it is appropriate to delay further pursuit of determining community interest in a pool. Administrator Fragoso said she would contact all those who expressed interest in being on the Citizen Advisory Board to let them know of the project status.

6. New Business

Discussion of phased reopening plan for the Recreation Center

Director Page reviewed a revised reopening plan for the Recreation Center, which is attached to these minutes. Highlights of the plan include limited use of the basketball courts, use of the cardio room limited to 3 people at a time, the restarting of certain yoga and exercise classes, and extending the days and hours for outside grounds, courts, picnic tables, and the Bark Park. Director Page noted the fluidity of the situation which could be affected by further orders from Governor McMaster and participants' ability to follow the rules.

7. Miscellaneous Business

The next meeting of the Recreation Committee will be on Monday, June 1, 2020 at 5pm.

8. Adjournment

Council Member Moye made a motion to adjourn, and Council Member Smith seconded the motion. The meeting was adjourned at 5:41pm.

Respectfully submitted,

Nicole DeNeane
City Clerk



RECREATION DEPARTMENT

MONTHLY REPORT

MAY 2020

STAFF: Norma Jean Page, Recreation Director
Karrie Ferrell, Assistant Director (programs)
Aaron Sweet, Recreation Supervisor (athletics)
Christopher Bako, Parks & Grounds Supervisor
Andrea Harrison, Recreation Supervisor (special events)
Holly Norton, Community Specialist
Joshua Key, Parks & Facilities Specialist

PROGRAMS AND CLASSES

Cardio Room

The Cardio Room will open Monday, June 1 from 8:00 a.m. – 5:00 p.m. Only two (2) or three (3) participants will be allowed in the room at one time. Equipment is limited and every other machine has been labeled Do Not Use to allow for adequate social distancing. Equipment will be cleaned by staff every hour on the hour. Disinfectant spray, wipes and hand sanitizer are available for all participants.

Isle of Palms Farmer's Market

The City of Isle of Palms and the Recreation Department are planning to hold the Farmer's Market this summer. The market is scheduled for Wednesdays 3:00 p.m. – 6:30 p.m. on July 8 through August 26. The Farmer's Market webpage and Facebook page have been updated with information for vendors and food truck participants. All previous participants have been notified about the upcoming market. The Recreation Department continues to follow other area markets to see how they are controlling crowds during the COVID-19 pandemic. Vendors are slowly starting to submit applications.

Saturday Yoga

Jen DeGoyler, Yoga Instructor has been contacted about starting classes Saturday, June 6. Classes may be held outside or inside. Waiting on feedback from the participants. We are also in discussions about evening yoga under the oaks on Wednesdays during the Farmer's Market. Information to be confirmed soon.

Tae Kwon Do

Youth and adult Tae Kwon Do classes will start Saturday, June 6. The youth class will be held from 9:00 a.m. – 10:00 a.m. and the adult class 9:00 a.m. – 10:30 a.m. The first class will be held outdoors. The gymnasium will accommodate both classes with the recommended 5 people per 1000sq feet. Due to the stress of the pandemic instructor Jack Emmel would like to offer free classes through the month of June to participants.

Tennis Camps

Orange Ball Tennis Camps will be held Monday, June 8 – Thursday, June 11 from 9:00 a.m. – 12:00 p.m. There are six (6) people registered for the camp. Red Ball Tennis Camp is scheduled for Monday, June 22 – Thursday, June 25 from 9:00 a.m. – 12:00 p.m.. Currently three (3) people are registered for camp. Tennis camp participants will meet at the tennis courts Monday morning of camp. Campers will bring water bottles, sunscreen, bug spray and a healthy snack. A hand sanitizing station is available at the courts and disinfectant wipes will be available through the tennis instructor if needed. Guidelines will be emailed to parents before the start of camp. All camp payments will be received before the start of camp.

Rising Stars Basketball Camp

Basketball Camp is scheduled for Monday, August 3 – Friday, August 7 from 9:00 a.m. – 4:00 p.m. Currently forty (40) children are registered for basketball camp.

Virtual Recreation

Angela Reinhardt, Pat Boyd and Judy Fischer have been contacted about the possibilities of teaching classes through Zoom. Instructors would like to hold classes a variety of different ways, looking at online, in house and outside.

Community Yard Sale

The Annual Community Yard Sale has been re-scheduled to Saturday, September 19.

Music in the Park

This event was cancelled due to COVID-19

Sand Sculpting Competition

Piccolo Spoleto Sand Sculpting Competition was cancelled due to COVID-19

IOP Beach Run

The IOP Beach Run will be held on Saturday, July 25, 2020 at 8:00 a.m.

Half Rubber Tournament

The Annual Half Rubber Tournament is scheduled for Saturday, August 22, 2020.

Summer Camp

Camp will begin June 15, 2020 and will follow SCRPA, NRPA, CDC, SCDHEC and the Governor's guidelines. This camp will offer island children seven weeks of camp activities in a small group environment. Staff will adhere to the proper wearing of PPE's, Large group games will not be included this year, and field trips will not be a part of the 2020 camp schedule. Along with the distancing plan, summer camp groups will maximize use of the recreation ground space outside as well as indoors for game and activities.

Fall Athletics: Adult Leagues

Registration and team captain meetings will be held in August for All adult athletic leagues that consisted of 3 on 3 Basketball, 6v6 Soccer and Softball.

Employee Safety Training

Recreation staff continue to participate online safety training provided by the Municipal Association of South Carolina.

MUSC Wellness

Staff submitted all the requested documents to MUSC Wellness and walked around the facility during the evaluation. We received the MUSC Back to Business Playbook on Tuesday, May 26 and the facility is ready to re-open.

Building Maintenance, operations and re-opening phases during May

Recreation staff continue to monitor and supervise all open fields, bark park and tennis courts, basketball courts and picnic shelter area with appropriate signage.

Hand Sanitizer is available outside in three (3) locations.

Water fountains continued to be turned off

The playground opened May 31 with appropriate signage.

Monday, June 1 the Recreation Building will open and is available for small exercise classes, cardio room with limited use and Volleyball will be permitted in the gymnasium using the (5 per 1,000 sq. ft.)

Staff have gone through the facility and properly cleaned and disinfected all equipment and furniture for the soft opening on Monday, June 1.

Appropriate disinfectants and cleaning materials are in obvious and available locations for participants using the Cardio room and participating in fitness classes.

Staff is working with Instructors regarding class formats and changes that have taken place, to make sure we are following CDC and DHEC guidelines.

Staff continue to participate in Zoom Meetings with SCRPA Directors and staff, Regional and District Recreation Directors. Staff continue to observe City Council meetings.

Karrie Ferrell is working with the Emergency Management Committee to edit and prepare a citywide Emergency Management Plan that is executable and informative to all departments.

Social Media notification were created and posted on Facebook to indicate the new opening phases, health care reminders and upcoming event notifications.

Phone calls have been received regarding status of Summer Camp, the reopening of the Recreation Center, Cardio room and normal programs and activities.

Staff assisted the Police Department with placing white lines on Palm Boulevard and also marked highly visible 15' buffers around fire hydrants.

Recreation Staff assisted with supervision of Municipal Parking lot two (2) weekends in May.

Isle of Palms Recreation Re-opening update
Friday, May 22, 2020

The Governor's office and Accelerate South Carolina have offered some clarifications to Parks and Recreation operations. In conjunction with these clarifications the Isle of Palms Recreation Department is prepared to:

Open the playground on May 31. Signage will be placed around the playground area advising participants they are using the playground at their own risk.
Playground Mulch will be purchased next week to comply with Playground standards.
NOTE: Without the mulch we cannot open the playground.

Recreation Agencies that rent their buildings are restricted to a capacity of 50. These limitations do not include recreation programming. However we do not anticipate more than fifty (50) participants in the building at any given time until Summer Camp begins in June.

Inside Pickle Ball and Volleyball are permitted if we can handle (5 per 1,000 sq. ft.)
Outdoors Pickle Ball was never shut down by Executive Order so we will continue to allow on the outside courts.

Currently there is NO BASKETBALL. Governor may be loosening up on Indoor Basketball restrictions later in the summer.

Fall Sports – We were told “don't even ask”. Let's see how we do in next month and a half

Summer Day camps there are no ratio/capacity restrictions. SCRPA AND NRPA highly recommend small size groups (approx. 1 to 10), However on Isle of Palms we have always kept a 1:8 ratio between counselor and camper. Next week, after Memorial Day staff will begin purchasing supplies for Summer camp that is scheduled to begin June 15.

Staff will adhere to the proper wearing of PPE's,

Back2Business

PLAYBOOK



Index

Intro to Playbook	4
Workforce Preparation:	5
Education for staff	5
General COVID19 information.....	5
COVID19 Testing	9
PPE information.....	12
Medical screening, access to care, emotional and mental health	19
Employee risk of infection assessment and return to work guidelines	28
Return to work guidelines	29
Travel policies	33
Commuting, transportation and vehicles	33
Risk of exposure assessment and PPE recommendations	34
Environmental Preparation:	35
Environmental Assessment and recommendations	35
Capacity calculations	
Access control recommendations	
Physical plant modifications for workflow and behavioral adjustments	
Cleaning recommendations	
Client and Employee workflow assessment and recommendations	
Appendices.....	48
A. EPA approved cleaning products	
B. Educational posters and signs	

Intro to Playbook

This playbook has been prepared for your business to assist you in keeping your employees and customers safe during the COVID19 pandemic. We recognize that returning to business safely requires a delicate balance. As social distancing measures are adjusted and businesses re-open this has the potential to increase exposure to COVID19 in the community. We recommend that you continue communication with your MUSC Public Health liaison and check state and local health department notices daily about transmission in the area to adjust operations. In South Carolina, information is updated daily on the South Carolina Department of Health and Environmental Control (DHEC) website (<https://www.scdhec.gov/infectious-diseases/viruses/coronavirus-disease-2019-covid-19/sc-testing-data-projections-covid-19>). If there are positive improvements in the number of cases in a community, some precautions may be removed. Also, be prepared to reduce services if the community mitigation level increases in the local area.

The MUSC Health Back2Business Standards are based on guidance from the CDC, infection control protocols, hospital cleaning standards and other evidence-based findings. The Standards are not intended to replace existing requirements, but rather to supplement those requirements in light of the challenges posed by COVID-19. Employers are responsible for compliance with all applicable laws, rules, and regulations, including but not limited to requirements of the Occupational Safety & Health Administration and the Employee Retirement Income Security Act. We suggest that employers consult their legal or regulatory counsel for additional information. We recognize that there is a lot of information in this handbook and that is why we are here as a resource throughout this process to help you make the right decisions to help your business succeed, while keeping your community safe.

Section 1: Workforce Preparation

Section 1 Part A: Education for staff

This section includes some basic information and educational material for staff. We recommend distributing this to all employees as well as providing to human resources.

General COVID19 information

What is COVID19?

Coronavirus disease or “COVID19” is a viral syndrome caused by infection with a type of novel Coronavirus named “SARS-2-CoV”. Some types of Coronaviruses are common in humans, other mammals and birds. SARS-2-CoV is considered a “novel” coronavirus because it is a new infection in humans. “SARS-2-CoV,” was named because it is very similar to the SARS virus that is well known for causing infections around the world in 2003. Other coronaviruses include common colds that regularly circulate in humans. As opposed to common coronaviruses, the SARS-2-CoV virus that causes COVID19 leads to severe illness in some of the population.

What are the symptoms of COVID19?

COVID-19 can cause a wide range of symptoms. Some people may not even notice that they have symptoms. Others may become extremely ill with difficulty breathing. People with the following 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

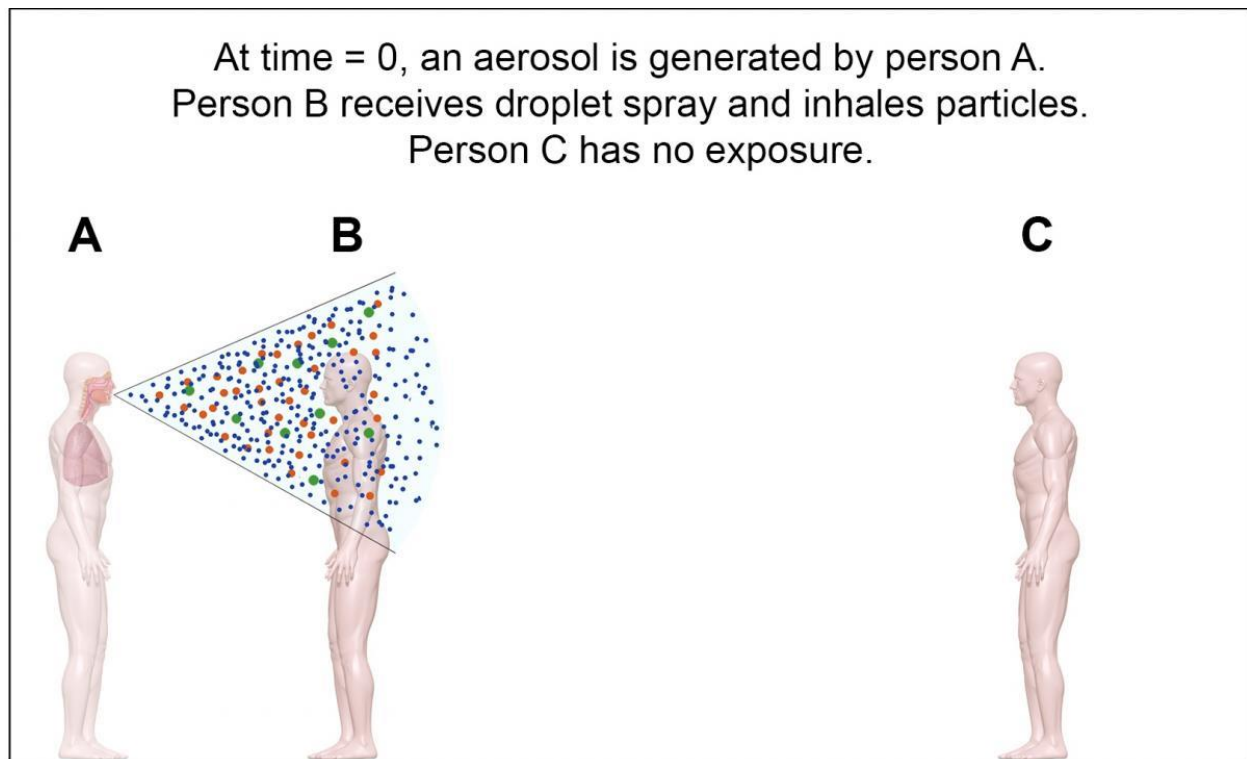
How is COVID19 Spread?

The virus that causes COVID-19 is thought to spread mainly from person to person.

Reports suggest person-to-person transmission most commonly happens during close exposure to a person infected with COVID-19, primarily via large respiratory droplets produced when the infected person coughs or sneezes. These droplets can land in the mouths, noses, or eyes (mucous membranes) or possibly inhaled into the lungs of people who are nearby, typically within 6 feet of the source. When those droplets settle on surfaces that are touched, COVID-19

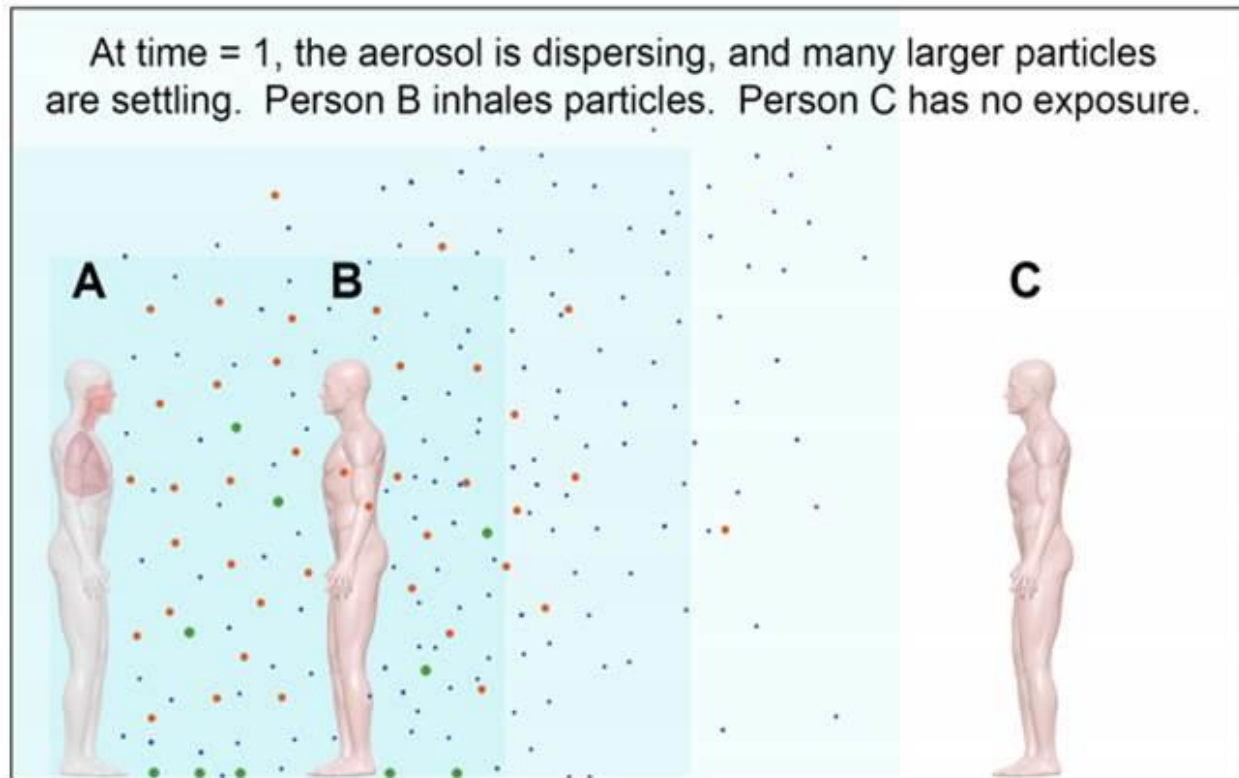
also may be transferred by hands to mouth, nose, or eyes from the contaminated surfaces, although contaminated surfaces likely contribute less than person-to-person spread. This is why it is so important to try to maintain social distancing (staying 6 feet apart) and to practice good respiratory hygiene, like covering your mouth when you cough or sneeze and washing your hand often.

Large droplets that contain the virus can be expelled by an infected person who coughs or sneezes and can then land in the mouths, noses, or eyes of someone nearby



Images from Brosseau (2020) Commentary: COVID-19 transmission messages should hinge on science. Center for Infectious Disease Research and Policy. Available from: <https://www.cidrap.umn.edu/news-perspective/2020/03/commentary-covid-19-transmission-messages-should-hinge-science>. Accessed May 8, 2020

Larger particles will settle on surfaces in the area. Smaller droplets that contain the virus can be expelled by an infected person can remain in the air and be inhaled by others within close range, typically less than 6 feet.

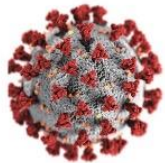


Some ways to protect yourself and others from COVID19 include:

1. Wash your hands often with soap and water for at least 20 seconds, especially after blowing your nose, coughing, or sneezing; going to the restroom; and before eating or preparing food.
2. Use an alcohol-based hand sanitizer that contains at least 60 percent alcohol if soap and water are not available.
3. Avoid touching your eyes, nose and mouth with unwashed hands.
4. Avoid close contact with people who are sick.
5. Stay home when you are sick.
6. Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
7. Clean and disinfect frequently touched objects and surfaces.

For more information on COVID19 visit the CDC FAQ page at <https://www.cdc.gov/coronavirus/2019-ncov/faq.html#Coronavirus-Disease-2019-Basics>

What you should know about COVID-19 to protect yourself and others



Know about COVID-19

- Coronavirus (COVID-19) is an illness caused by a virus that can spread from person to person.
- The virus that causes COVID-19 is a new coronavirus that has spread throughout the world.
- COVID-19 symptoms can range from mild (or no symptoms) to severe illness.



Know how COVID-19 is spread

- You can become infected by coming into close contact (about 6 feet or two arm lengths) with a person who has COVID-19. COVID-19 is primarily spread from person to person.
- You can become infected from respiratory droplets when an infected person coughs, sneezes, or talks.
- You may also be able to get it by touching a surface or object that has the virus on it, and then by touching your mouth, nose, or eyes.



Protect yourself and others from COVID-19

- There is currently no vaccine to protect against COVID-19. The best way to protect yourself is to avoid being exposed to the virus that causes COVID-19.
- Stay home as much as possible and avoid close contact with others.
- Wear a cloth face covering that covers your nose and mouth in public settings.
- Clean and disinfect frequently touched surfaces.
- Wash your hands often with soap and water for at least 20 seconds, or use an alcohol-based hand sanitizer that contains at least 60% alcohol.



Practice social distancing

- Buy groceries and medicine, go to the doctor, and complete banking activities online when possible.
- If you must go in person, stay at least 6 feet away from others and disinfect items you must touch.
- Get deliveries and takeout, and limit in-person contact as much as possible.



Prevent the spread of COVID-19 if you are sick

- Stay home if you are sick, except to get medical care.
- Avoid public transportation, ride-sharing, or taxis.
- Separate yourself from other people and pets in your home.
- There is no specific treatment for COVID-19, but you can seek medical care to help relieve your symptoms.
- If you need medical attention, call ahead.



Know your risk for severe illness

- Everyone is at risk of getting COVID-19.
- Older adults and people of any age who have serious underlying medical conditions may be at higher risk for more severe illness.



CS 314937A 04/15/2020

cdc.gov/coronavirus

COVID-19 Testing Frequently Asked Questions (FAQs)

What are the types of tests for COVID-19?

There are two types of testing for COVID-19:

1. **Diagnostic Testing** (via nose swab). This is often referred to as “COVID-19 PCR” test or “PCR” for short. This test should be done in anyone who has symptoms of COVID-19. At the present time, all diagnostic tests are done by a medical professional by taking a small amount of nasal aspirate with a nose swab. Testing criteria are constantly changing and so it is important to medically evaluate all potential symptoms for COVID-19 before testing. MUSC Health recommends doing this through the MUSC Health [Virtual Urgent Care](#) (VUC) telehealth platform; this is a safe at-home method of obtaining information to determine if testing is needed.
2. **Antibody Testing** (currently via a blood sample, ultimately saliva and urine testing should be possible). This is often referred to as a serology test, immunity test, or immune test. It determines whether you have developed antibodies as a result of exposure to Sars-CoV2, which is the virus that causes COVID-19.

I have been given the option to get an antibody (blood) test for COVID-19? Should I do this?

Antibody testing for COVID-19 is in its early phases. Over 75 companies have developed these tests and more are coming on the market every day. There is no perfect test, but MUSC Health is committed to offering the best available tests for our staff and community. As MUSC Health validates and makes COVID-19 antibody testing available, it is important to make sure you understand what the test results mean.

MUSC Health is offering antibody tests in order to help you better understand your current status as it relates to COVID-19, and gain insight into the prevalence of this virus in our community. Antibody tests will continue to improve in the next several months however we do recommend that knowing your current status is helpful in the COVID-19 recovery process as long as you fully understand the current limitations of the currently available tests. MUSC Health currently recommends the Abbott ARCHITECT SARS-CoV-2 IgG Antibody Test.

Science has not fully established the relationship between presence of COVID-19 antibodies and the timing, depth, and duration of COVID19 immunity. This will be better known in the next 6-12 months; however, we do have knowledge based on some small studies of similar viruses that we can make some early determinations.

The currently available antibody tests have these limitations:

- ☐ *The Abbott ARCHITECT SARS-CoV-2 IgG Antibody Test has been validated by MUSC labs to have a 96% sensitivity and 99% specificity. A positive result means that there is a 99% chance that you have had a previous COVID-19 infection.*
- ☐ *Positive results do not establish proof of long-lasting immunity for any future COVID-19 infection. It is likely that you have some immunity. We do not yet know the level of immunity given the presence of antibodies. We also do not know how individual characteristics might influence this immunity.*
- ☐ *Therefore, positive results should **NOT** be considered as a way to know that you are perfectly safe without protecting yourself from COVID-19 (at work or home)*

I had a negative test for COVID-19 while I was sick. Can an antibody test help show if this was a false-negative?

It depends. If the MUSC Health approved antibody test is negative, then you probably did not have COVID-19 illness. The timing of the antibody test is important, and you should discuss this with your primary care provider.

If the antibody test has all these limitations, why do it at all?

For populations, the test is very useful to measure how much COVID-19 is occurring locally by comparing how many people have antibodies now versus later, as COVID-19 becomes more common in South Carolina. For individuals, it is difficult to make firm conclusions and work-home decisions, based on a single antibody test. However, it is important to start testing now, knowing that tests will improve over time. In addition, our knowledge will improve on which antibodies protect people from getting COVID-19, and how long these antibodies are likely to last in the body. Additionally, as we are able to document who has had prior exposure to COVID-19 we will be able to understand whether individuals are at risk for developing a second infection and its severity.

I had a positive diagnostic (PCR) test for COVID-19 earlier this year. Am I immune to COVID-19?

Probably, at least for some period of time. This is based on prior studies of common cold viruses where volunteers are deliberately infected with coronavirus cold viruses, producing symptoms of a common cold. In past studies, the same volunteers would be “re-challenged” with the same viruses. In some studies, the volunteers who were re- challenged one year after infection did not develop colds, but in others mild symptoms of varying degrees still developed. However, we do not have any good data about the length of immunity to the COVID-19 will last.

I had a positive diagnostic (PCR) test for COVID-19 earlier this year, and now I have a positive antibody test. Am I immune to COVID-19?

If you obtained the most current MUSC Health recommended test, you are probably immune to some degree. However, we do not know the exact time, depth, and duration of this immunity.

How can you have a positive antibody to an infectious disease and still get that disease?

Antibodies that the body makes against an infection do not always protect you from that infection. A good example of this is HIV infection. In some infectious diseases, antibodies that bind the virus, but do not neutralize it, can actually make the infection worse.

If I didn't have a known/documented COVID-19 infection, does a positive antibody test mean that I had an asymptomatic case of COVID-19 earlier?

Possibly, however asymptomatic COVID-19 infections are uncommon (1-4% of all infections). People often underestimate their symptoms. If you obtained the most current MUSC Health recommended test, the chance of a positive test being related to other coronaviruses is unlikely. A positive test is likely indicative of a minimally symptomatic COVID-19 infection.

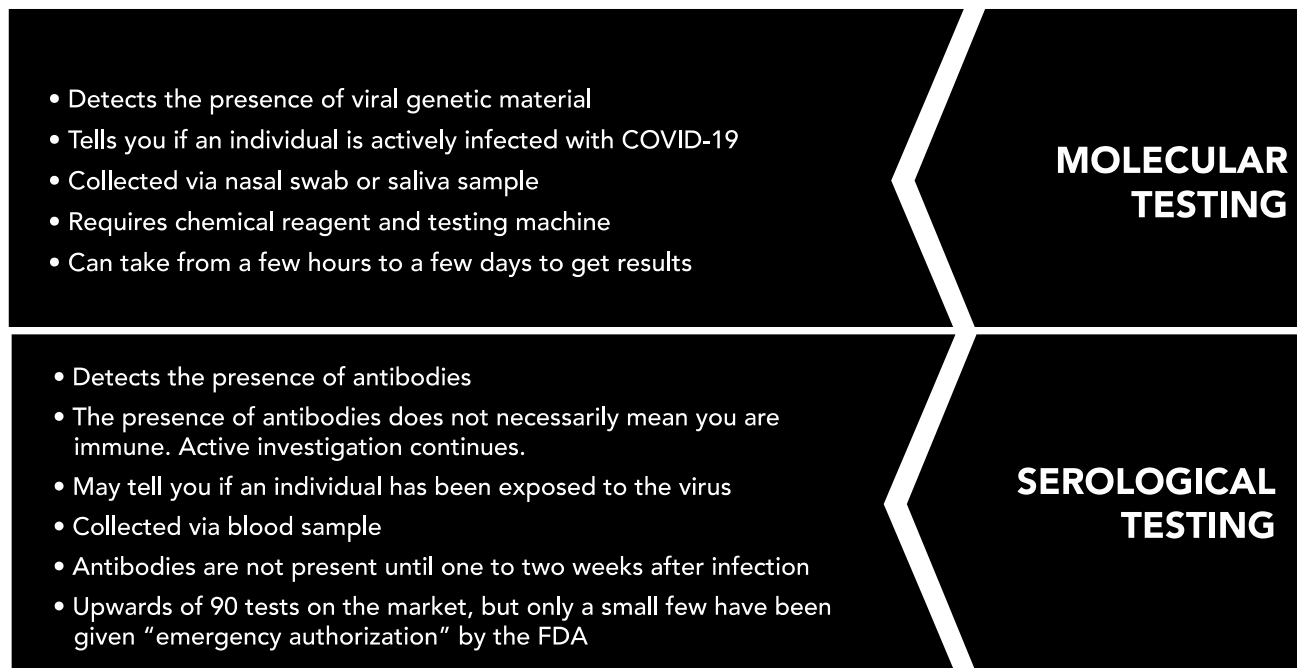
Are there better antibody tests in development?

Yes, and MUSC Health will continue to monitor the development and release of these tests. We will continue to only recommend the best available tests. Future tests will be more specific to COVID-19, indicate the amount of antibody present, and better correlate protection from infection. This will increase confidence in the test results and better inform individual decisions about work and home life.

What if I need additional help understanding my results?

If you need help interpreting the results of the test and would like to speak to a primary care provider, you can schedule an appointment by calling MUSC Health Primary Care at (843) 792-7000.

Last updated May 6, 2020



What should I do if I have been around someone who tests positive?

If you were around someone while they had symptoms, like fever, cough, shortness of breath or difficulty breathing, chills, repeated shaking with chills, muscle pain, headache, sore throat, or new loss of taste or smell; you may have been exposed to the COVID-19 virus or another respiratory virus that causes similar symptoms, like the flu or the common cold. You should continue to practice social distancing, wash your hands often and monitor for symptoms. If the person tested positive for COVID19, then you can contact your doctor as there may be benefit to getting tested even if you are not experiencing symptoms. If you develop any symptoms, you should isolate at home and avoid contact with other people. Call your doctor or other healthcare provider to discuss the need to be tested for COVID-19.

Section 1 Part B: Personal Protective Equipment

PPE General Information

Personal protective equipment (PPE) is equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses. PPE can help reduce the risk of transmission of COVID-19 when used appropriately. Most people will be adequately protected and help protect each other with good hand hygiene (washing your hands) and a surgical face mask with social distancing. More extensive PPE like gloves or "N95 masks" (masks that filter small particles) may be recommended in specific situations for particular individuals, however it is not generally recommended at all times at this moment. Later in your playbook, we will make recommendations about what types of PPE we recommend your employees use, based on their

risks of exposure. These recommendations are not meant to replace existing requirements of the Occupational Safety & Health Administration and the Employee Retirement Income Security Act..

General information on masks

Scientific research demonstrates that masks filter the respiratory droplets that are responsible for the spread of infection. An infected person wearing a mask is less likely to spread the infection to those around them. For most employees a cloth mask or a standard medical “surgical mask” can be used. Studies show that surgical masks filter particles better than cloth masks.

If an employee works in an environment where they may be exposed to aerosolized virus the type of mask they should use is a filtering facepiece respirator. The most commonly known type of filtering facepiece respirator is the N95 mask, but acceptable N95 equivalents include KN95 masks and NIOSH approved elastomeric respirators (such as half face-mask respirators). N95 masks filter at least 95% of airborne particles but are not resistant to oil. Aerosol-generating procedures may occur during dental or medical procedures or in occupations where individuals are exposed to human body fluids that might spray into the air. There are also occasions where certain cleaning staff may benefit from using an N95 mask. We will specifically recommend N95 or equivalent use in individuals with these risk factors.

A list of NIOSH approved N95s is available here:

https://www.cdc.gov/niosh/npptl/topics/respirators/disp_part/n95list1.html



N95 Mask

Cloth Mask

Surgical Mask

General information on gloves

There are certain times when we may recommend that staff wear gloves, but it is important that everyone understand that even when wearing gloves, performing hand hygiene is necessary. This means washing hands before putting on gloves and again after taking them off. Also, if gloves are going to be used for multiple interactions, we recommend performing hand hygiene over the gloved hand using alcohol-based hand sanitizer.

Additional information on PPE can be found on the OSHA website
<https://www.osha.gov/SLTC/personalprotectiveequipment/>

PPE Donning and Doffing Guidance

Included in this section are some training materials and resources regarding how to properly put on (don) and take off (doff) different type of PPE. More than one donning or doffing method may be acceptable. Training and practice using your facility's procedure is critical.

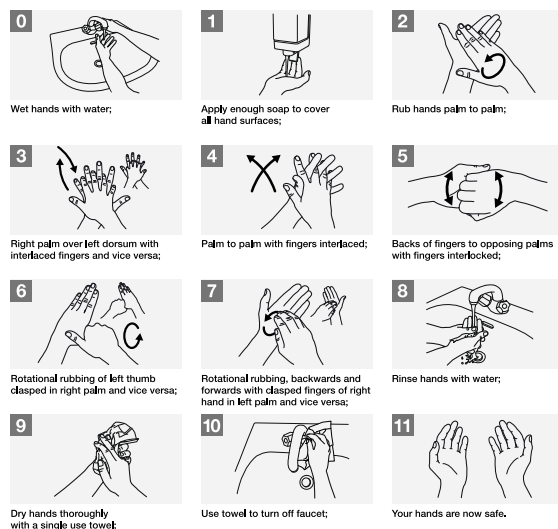
Hand Hygiene

Washing hands with soap and water or alcohol-based hand sanitizer is an extremely important way of protecting yourself and preventing the spread of disease. See the below diagrams of how to Properly perform Hand Hygiene

How to Handwash?

WASH HANDS WHEN VISIBLY SOILED! OTHERWISE, USE HANDRUB

Duration of the entire procedure: 40-60 seconds



How to Handrub?

RUB HANDS FOR HAND HYGIENE! WASH HANDS WHEN VISIBLY SOILED

Duration of the entire procedure: 20-30 seconds



- Here is a video of how to perform hand hygiene:
<https://www.youtube.com/watch?v=8VmmaWWa0AQ&list=PLNpwg7vtZuB2unTBTpRMWnZ4e-aVjY13Z&index=8>

Regular, “surgical” or cloth facemask

How to Put On (Don) facemask

1. **Perform hand hygiene using hand sanitizer or washing hands.**
2. **Put on facemask:** Mask ties if present should be secured on crown of head (top tie) and base of neck (bottom tie). If mask has loops, hook them appropriately around your ears. Both your mouth and nose should be protected. Do not wear respirator/facemask under your chin or store in pocket

How to Take Off (Doff) facemasks

1. **Perform hand hygiene.**
2. **Remove and discard facemask** Do not touch the front of the facemask.*
3. **Facemask:** Carefully untie (or unhook from the ears) and pull away from face without touching the front.
4. **Perform hand hygiene after removing the facemask**

A video is available here. Please note this video was made for healthcare workers however the techniques for donning and doffing are applicable in any setting where this type of PPE is being used:

- <https://www.youtube.com/watch?v=z-5RYKLYvaw> demonstrates how to don and doff a facemask

Gloves

How to Put On (Don) gloves

1. **Perform hand hygiene using hand sanitizer or washing hands.**
2. **Put on gloves:**

How to Take Off (Doff) gloves

1. **Perform hand hygiene.**
2. **Remove gloves using these steps**
 - a. *Grasp outside of one glove using the other gloved hand. Do not touch the hand from which you are removing the glove. Do not touch your bare skin*
 - b. *Peel glove away from body turning it outside in*

- c. *Dispose of removed glove*
 - d. *Peel off second glove by placing fingers inside of cuff of glove at the wrist*
 - e. *Turn the second glove inside out while pulling it away from your body*
 - f. *Dispose of second glove*
3. **Perform hand hygiene after removing gloves**

A video is available here. Please note this video was made for healthcare workers however the techniques for donning and doffing are applicable in any setting where this type of PPE is being used:

- <https://www.youtube.com/watch?v=KHR5do-b7zY>

Full PPE including: gown or coverall, eye covering, N95 (or equivalent) mask and gloves

How to Put On (Don) PPE Gear

1. **Identify and gather the proper PPE to don.** Ensure choice of gown size is correct (based on training).
2. **Perform hand hygiene using hand sanitizer or washing hands.**
3. **Put on gown or coverall.** Tie all of the ties on the gown. Assistance may be needed by other healthcare personnel.
4. **Put on NIOSH-approved N95 filtering facemask** Both your mouth and nose should be protected. Do not wear facemask under your chin or store in pockets. If the N95 mask has a nosepiece, it should be fitted to the nose with both hands, not bent or tented. Do not pinch the nosepiece with one hand. Mask should be extended under chin. Both your mouth and nose should be protected. Do not wear respirator/facemask under your chin or store in pocket
5. **Perform a mask seal check** It is important to user seal check the respirator every time you wear it. Forcefully inhale and exhale several times. The respirator should collapse slightly when you inhale and expand when you exhale. You should not feel any air leaking between your face and the respirator. If the respirator does not collapse and expand OR if air is leaking out between your face and the respirator, then you have **not** achieved a good facial fit. Adjust the respirator until the leakage is corrected or obtain a different size mask that you are able to successfully user seal check.
6. **Put on eye covering (face shield or goggles).** Face shields provide full face coverage. Goggles also provide excellent protection for eyes, but fogging is common.
7. **Perform hand hygiene before putting on gloves.** Gloves should cover the cuff (wrist) of gown.

How to Take Off (Doff) PPE Gear

1. **Remove gloves.** Ensure glove removal does not cause additional contamination of hands.
2. **Remove gown or coverall.** Untie all ties, unzip (or unsnap all buttons). Some gown ties can be broken rather than untied. Do so in gentle manner, avoiding a forceful movement. Reach up to the shoulders and carefully pull gown or coveralls down and away from the body. Rolling the gown/coveralls down is an acceptable approach. Dispose in trash receptacle. *
3. **Perform hand hygiene.**
4. **Remove face shield or goggles.** Carefully remove face shield or goggles by grabbing the strap and pulling upwards and away from head. Do not touch the front of face shield or goggles.
5. **Remove and discard facemask** Do not touch the front of the facemask.*
 - **Facemask:** Carefully untie (or unhook from the ears) and pull away from face without touching the front.
6. **Perform hand hygiene after removing the facemask**

Resources available:

Some videos are available here. Please note these videos were made for healthcare workers however the techniques for donning and doffing are applicable in any setting where this type of PPE is being used:

MUSC videos:

- https://www.youtube.com/watch?v=p_Irlo37sik&list=PLNpwq7vtZuB2unTBTpRMWnZ4e-aVjY13Z&index=17 demonstrates how to don PPE with a gown
- <https://www.youtube.com/watch?v=x7QyBEDZafo&list=PLNpwq7vtZuB2unTBTpRMWnZ4e-aVjY13Z&index=16> demonstrates how to doff PPE with a gown
- <https://www.youtube.com/watch?v=Fgtxr13jOrw&list=PLNpwq7vtZuB2unTBTpRMWnZ4e-aVjY13Z&index=19> Demonstrates how to don coverall with N95
- <https://www.youtube.com/watch?v=nBVYc-N29Cs&list=PLNpwq7vtZuB2unTBTpRMWnZ4e-aVjY13Z&index=20> Demonstrates how to doff a coverall with N95

CDC videos

- <https://youtu.be/of73FN086E8> demonstrates how to don PPE with a gown
- <https://www.youtube.com/watch?v=PQxOc13DxvQ#action=share> demonstrates how to doff PPE with a gown

NETEC videos

- <https://www.youtube.com/watch?v=bG6zISnenPg&feature=youtu.be> (begin at 5:07)
demonstrates how to don and doff PPE with a gown

How to don and doff N95 respirator

- <https://www.youtube.com/watch?v=BnXN1OD6VRw&t=20s>

Mental Health

Stress during an infectious disease outbreak, like COVID19 is not uncommon and can consist of the following symptoms according to the CDC:

- Fear and worry about your own health and the health of your loved ones
- Changes in sleep or eating patterns
- Difficulty sleeping or concentrating
- Worsening of chronic health problems
- Worsening of mental health conditions
- Increased use of alcohol, tobacco or drug use

Ways to cope with stress

If you are experiencing stress related to COVID19 it may help to talk to a clergy member, counselor, or doctor or contact the SAMHSA Disaster Distress helpline at 1-800- 985-5990 or text TalkWithUs to 66746. Below are some additional resources that may help with coping with anxiety and stress related to COVID19.



Top 12 tips to relieve COVID-19 stress

Staff Report (<mailto:adamshel@musc.edu>) March 25, 2020



During this uncertain and rapidly evolving situation, it is important for cancer patients and caregivers to use healthy strategies to help relieve stress caused by COVID-19. iStock

The worst part of any crisis is how it disrupts life and leaves people feeling out of control. That's why therapist Wendy Balliet, Ph.D. (<https://education.musc.edu/MUSCApps/FacultyDirectory/Balliet-Wendy>), offers these tips to help people affected by COVID-19 to adjust and adapt to a rapidly evolving situation.

Balliet, who counsels patients at Hollings Cancer Center at the Medical University of South Carolina and is associate professor in MUSC's Division of Bio-behavioral Medicine, said it's especially hard for cancer patients and others with chronic conditions to navigate this new terrain. Here are her tips to help patients and caregivers find healthier ways of coping and to regain their footing.

1. First, rest assured you are not alone.

It is natural to feel stress, anxiety and worry as we face this time of uncertainty. If you are someone with cancer or other chronic illness, COVID-19 is likely only amplifying already existing feelings of worry and ambiguity. Anxiety

typically occurs when we believe we are unable to predict what will happen or control stress. Many of us have been comparing COVID-19 to preparing for a hurricane, which most of us as South Carolinians are quite familiar with. We watch the news, look for trajectories, load up on groceries (and toilet paper) and wait. However, unlike a hurricane, we have no real road map or evacuation route to help guide us. This can lead to feeling panicky, irritable and anxious.

If you are a patient at MUSC and are continuing to come to medical visits, you know this is a scary time. It's scary even for us, seeing the campus so quiet, having exits closed and answering questions to enter a building. Remember you are not alone. Smile when you pass someone. Make small talk in the elevator. You will be amazed what these small acts can do to lift your spirits (and those around you).

2. Set time aside to breathe.

It may seem silly, but when we face anxiety, our body activates our sympathetic nervous system, which prepares us to fight, flee or freeze. This can be helpful in the short term when there is a clear and present danger, such as being diagnosed with cancer or facing a novel pandemic. A healthy “burst” of the sympathetic nervous system may help you prepare a cancer treatment plan, such as surgery, radiation, or chemotherapy and/or improve health behaviors like hand washing and social distancing. However, feeling constantly overwhelmed can lead to negative physical consequences like hypertension and increased pain and mental consequences such as anxiety and depression. We expect that this is even worse for those trying to manage chronic illnesses.

Setting aside time to practice deep breathing—slow breaths in through the nose counting to four and exhaling for 4 counts—can be the easiest way to reduce what we call a “sympathetic burst” and physically activate a self-soothing response by inducing the parasympathetic nervous symptom. Think of it as a way to recharge your batteries so you can have more “emotional bandwidth” to manage the inevitable stress ahead. It also allows you time to be in the present moment, taking a break from what might happen in the future or thinking too much about the past. I would suggest doing this for 10 minutes at least three times throughout the day.

Apps to try that offer guidance on breathing:

- Prana Breath: Calm & Meditate
- Breathe2Relax
- Universal Breathing: Pranayama

3. Know it is OK to ask for help.

Asking for help is difficult for many people, especially for those who already have been using social support to navigate the cancer experience. Typically, it is not the act of asking others for help but the fear that hides beneath it—fear of being a burden, of being vulnerable, fear of rejection. The reality is most people not only want to help, but it brings them joy, meaning and purpose during these uncertain times, knowing their actions are helping others. Let your neighbor pick up some groceries. Allow your daughter to fill your car with gas. Accept rides from healthy support people to medical appointments. It makes them feel good, too. Don't steal peoples' blessing of helping you.

4. Focus on the good and provide acts of kindness.

Now this may seem difficult in a time of social distancing or isolation, but it's possible if you get creative. Email someone you know who may be alone and scared just to let them know you are thinking of them. Write thank you notes to the people who have helped you. Write positive messages on social media if you use it.

Be intentional about paying attention to the good. It is easy to get wrapped up in news stories about basketball players acting recklessly, toilet paper running out at stores and people hoarding antibacterial soap for a profit. But there is a lot of goodness happening, too. Neighbors checking on one another, restaurants and schools offering free food to children and strangers offering to grocery shop for vulnerable people. It can feel like the universe is against you when faced with the dual stress of dealing with chronic illness and the worry of catching COVID-19. So, each time you look at the news, search for a "tell me something good" story to help balance the narrative.

5. Find a mantra.

This is a short and powerful phrase that you relate to that you can easily think or say when anxiety spikes. Some of my personal favorites are:

- This is a marathon, not a sprint.
- Be where your feet are.
- I have endured (insert here... chemotherapy, brain surgery); I can weather this storm.
- Just for today—I'll take things one day at a time.

And replace "but" with "and"... to shift negative self-statements:

- "But this is a terrible time" changes to "This is a terrible time, and we'll get through it."
- "But I'm so lonely" changes to "I am lonely, and I'm grateful for the connections I do have."

6. Know timing is everything.

Avoid news on your TV and phone, etc., first thing in the morning and last thing at night. Do your normal routine in the morning, whether that is showering, coffee, brushing your teeth, etc. Next, write down three things you are grateful for—keep a gratitude journal. This helps to set the tone for the day. For example, you may be grateful for something simple like the rain finally stopping, the unconditional love of your dog or something bigger like good news from your doctor. Purposefully engaging in an "unplugged" morning routine and practicing gratitude before turning on the news will help to start your day in a positive direction and allow you better emotional resources to cope with the inevitable stress you'll watch on or read in the news.

While it is important to stay informed about this evolving scenario, it is critical to take breaks from the news as well. I would suggest setting aside time twice a day to update yourself on latest developments and avoid reading about or watching the news one to two hours before bed. Sleep is critical, and it is unlikely that anything late breaking will change your actual behavior before morning—except for losing sleep!

7. Stay informed by using reliable sources.

This includes such sources as the Centers for Disease Control and Prevention, the World Health Organization and other reliable well-established news outlets. For example, the New York Times is providing all their COVID-



Therapist Wendy Balliet, Ph.D., counsels patients about finding healthy ways to cope with stress. Photo by Dawn Brazell

9. Find ways to stay socially connected and engaged.

Social distancing doesn't mean a lack of connectedness. For those of you who are trying to manage your own illnesses in conjunction with the stress that COVID-19 is generating, this is critical to remember. Isolation can increase anxiety and depression, especially for more vulnerable people.

Use this time to stay virtually connected. Use text messages, video chat and social media to access social support networks. Talk about your concerns and fears. I promise, you aren't alone, and sharing helps to feel connected at a time when you need it most. Meaningful and fun connection and emotional support is vital to your well-being. If you belong to a cancer support group, inquire about teleconferencing instead of face-to-face meetings.

Call or text friends and family you haven't talked to in awhile. Check in on others more than you normally would; we are all feeling isolated. If you have internet access, utilize video connections to spend time with others. If you aren't sure how to use some of these technologies, ask someone who can help. Platforms to consider include Facetime, Zoom, Google Duo and Skype.

10. Set daily routines that include being creative.

It's important to try to create and maintain a daily routine regardless of the disruption of unfamiliarity and isolation. This helps us to maintain a sense of order and purpose in our lives. If you are able to exercise—do it. If it is OK to walk outside—do that. Try to get fresh air, even if its standing in your driveway for five minutes each day. Read new books. Watch uplifting and humorous television shows. Pull out those puzzles you've been saving for a rainy day. Color! If you are able to garden—do it! Learn and practice meditation. This will help both your mental and physical state. Try new recipes and share old ones with friends. Start a journal.

Other activities to consider:

- Start a virtual book club with friends. You can read a chapter a day and then discuss it over Facetime, phone or other platforms. This keeps you both stimulated and connected.
- Play “Words with Friends,” “Yahtzee,” “Connect 4” or other app games with people you know across the country.
- Set coffee dates with friends or family. Each morning call a friend or family member while you both have your morning coffee... or tea.
- Watch movies “with” friends on [Netflix Party \(https://www.netflixparty.com/\)](https://www.netflixparty.com/).

11. Explore apps that benefit mental health.

[Simple Habit \(https://www.simplehabit.com/\)](https://www.simplehabit.com/) is a meditation app that recently announced free premium memberships for those who cannot afford to pay. Other apps that teach ways to meditate, breathe and manage anxiety that have a free trial period include:

- [Calm \(https://www.calm.com/\)](https://www.calm.com/)
- [Insight Timer \(https://insighttimer.com/\)](https://insighttimer.com/)
- [Headspace \(https://www.headspace.com/headspace-meditation-app\)](https://www.headspace.com/headspace-meditation-app)

12. Write it out.

Multiple studies demonstrate the effectiveness that journaling can have on one's health, happiness and ability to manage stress. It is one way to work through anxious or sad thoughts and feelings. When anxiety is left unchecked, it often manifests into rumination, and the problem that has you “stuck” becomes bigger than it is in reality. Writing helps to get your concerns and fears out of your head and into the open. It is also helpful in looking back to have perspective on the many hardships you have overcome. It builds resilience.

Recommended Resources

[Keeping Your Distance to Stay Safe \(https://www.apa.org/practice/programs/dmhi/research-information/social-distancing\)](https://www.apa.org/practice/programs/dmhi/research-information/social-distancing)

[Mental Health and Coping During COVID-19 \(https://www.cdc.gov/coronavirus/2019-ncov/prepare/managing-stress-anxiety.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fabout%2Fcoping.html\)](https://www.cdc.gov/coronavirus/2019-ncov/prepare/managing-stress-anxiety.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fabout%2Fcoping.html)



Managing anxiety related to COVID-19

Staff Report (<mailto:adamshel@musc.edu>) March 18, 2020



Many people are dealing with at least some fear and anxiety during the coronavirus pandemic. Pixabay

During this stressful time of dealing with COVID-19 as well as the impact of social distancing on one's well-being, experts within MUSC's Department of Psychiatry and Behavioral Sciences provide several helpful tips below.

Anxiety is understandable and a normal feeling during situations of uncertainty. The health, financial, and psychological impact of COVID-19 is unprecedented and at this point, includes a lot of unknowns. It is a different kind of threat that South Carolinians are not used to. We are accustomed to being able to track the direct path of a hurricane and plan accordingly. However, COVID-19 is a threat that it more difficult to directly track. This can increase anxiety and worry.

Some anxiety is adaptive. It can help us prepare. We do need to prepare, but not panic. When feelings of anxiety, worry and panic are overwhelming, they can interfere with our ability to cope. Therefore, practicing ways to manage overall anxiety and worry may be helpful during this time of preparation and response to COVID-19.

Below are several concrete suggestions to cope with anxiety during the next several weeks.

If you or your loved one is feeling overwhelmed with feelings of anxiety and worry related to COVID-19, we recommend seeking professional help. The National Disaster Distress Hotline at 1-800-846-8517 available 24/7 to provide crisis and support. If you feel that you are in immediate crisis please call 911 or go to your nearest emergency room.

Follow guidelines from CDC for effective strategies for preparation.

Engaging in activities to become better prepared can also help improve our sense of control and reduce anxiety. Washing hands, keeping hands away from face, keeping physical distance from others are behaviors that individuals can do to do their part to prevent spread of the virus and that can help individuals feel a greater sense of purpose. Limit exposure to social media, especially social media sites that instill a sense of panic. Identify one or two reputable information sources to follow updates and check only once or twice a day. We suggest the Centers for Disease Control and Prevention (<https://www.cdc.gov/coronavirus/2019-ncov/index.html>), as well as MUSC's website (<https://muschealth.org/patients-visitors/coronavirus-information>) with updated local information.

Limit children's exposure to media.

Children can be exposed to highly distressing information about COVID-19 via the Internet, radio and television news outlets, and rumors among peers. Caregivers should provide information to children in a developmentally appropriate manner. The National Child Traumatic Stress Network (https://www.nctsn.org/sites/default/files/resources/fact-sheet/outbreak_factsheet_1.pdf) provides useful information on how to have discussions with children about COVID-19.

Balance.

Given the inundation of news feeds, social media feeds, and daily discussions about COVID-19, try to intentionally balance these stories with positive ones that are occurring across the world.

Limit isolation.

Although health officials are encouraging the limitation of physical contact, this does not mean we should limit being social. Isolation can increase anxiety and depression. Maintaining connections to others to combat feelings of isolation is important. The specific ways we engage in social behaviors may need to be altered given the current need for social distancing. Regular texting, phone calls, and video calls with family and friends, especially elderly friends and family are especially important.

Practice self-care activities.

This includes good sleep hygiene, daily exercise, and eating healthy. Social distancing does not mean we have to be "shut in." Try to get outdoors in unpopulated areas as much as possible.

Limit unhealthy coping strategies.

Limit unhealthy coping strategies such as alcohol and drug use as this may inadvertently exacerbate anxiety.

Practice relaxation techniques.

Deep breathing exercises, progressive muscle relaxation, and imagery relaxation techniques may help take the edge off of anxiety. There are a number of apps and websites that can guide individuals through these types of coping strategies.

Be present.

Learning to be present in the current moment can help calm one's body if feeling overwhelmed with emotions.

Mindfulness is about acknowledging emotions and thoughts, but not necessarily "getting caught up in them." It is how to be present with the here and now without judgment of the experience and learning to take action with intention. Mindfulness is a skill that requires practice. There are a number of apps, readings, and resources that can assist someone in learning and practicing such skills.

Information gathered by Alyssa Rheingold, Ph.D.

(<https://muschealth.org/MUSCApps/ProviderDirectory/Rheingold-Alyssa>), professor and associate director, Sleep and Anxiety Treatment and Research Program, Department of Psychiatry and Behavioral Sciences.

About the Author

Staff Report (<mailto:adamshel@musc.edu>)

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RISK OF ASSESSMENT AND RETURN TO WORK GUIDELINES



Section 1 Part C: Employee Risk of Infection and Return to Work

All individuals should be conscientious of infection prevention practices and appropriate PPE utilization (refer to risk of exposure and PPE recommendations in Section 1, Part B). However, certain individuals are at a higher risk of being sick if infected with COVID19. High risk workers should be encouraged to self-identify, and employers should avoid making unnecessary medical inquiries. Employers should take particular care to reduce vulnerable workers' risk of exposure to COVID-19, while making sure to be compliant with relevant ADA and ADEA regulations. Employees at high risk of infection should attempt to continue to work remotely whenever possible. If not possible to work remotely, attempts should be made to give high-risk workers duties that minimize their contact with customers and other employees

Those at high-risk for severe illness from COVID-19 are:

- People 65 years and older
- People of all ages with underlying medical conditions, particularly if not well controlled, including:
 - People with chronic lung disease or moderate to severe asthma
 - People who have serious heart conditions
 - People who are immunocompromised
 - Many conditions can cause a person to be immunocompromised, including cancer treatment, smoking, bone marrow or organ transplantation, immune deficiencies, poorly controlled HIV or AIDS, and prolonged use of corticosteroids and other immune weakening medications
 - People with severe obesity (body mass index [BMI] of 40 or higher)
 - People with diabetes
 - People with chronic kidney disease undergoing dialysis
 - People with liver disease

Return to work guidelines

Per the South Carolina Department of Health, people who have symptoms of COVID19 should stay at home until symptoms resolve. Be sure your leave policies reinforce this as well as encourage self-isolation when symptoms are present.

- a. Employees should be considered sick if they have symptoms of acute respiratory illness like shortness of breath, coughing and/or fever of 100.0 °F or greater.

Return to work criteria for employees who test positive for COVID19:

- 1) Employers should not require sick employees to provide a COVID-19 test result or a healthcare provider's note to validate their illness, qualify for sick leave, or to return to work.
- 2) Negative COVID-19 testing is **not** recommended or required for people to return to work. Even workers who were confirmed to have COVID-19 do **not** have to have negative testing to return to work.

- 3) Instead, DHEC recommends that employees not come to work until:
 - (1) 10 days have passed since their symptoms began
 - (2) **AND** they are free of fever (100.0° F [37.8° C] or greater using an oral thermometer) for 3 days without the use of fever-reducing medicines
 - (3) **AND** their other symptoms have improved.
- 4) If an individual with no symptoms (“asymptomatic”) tests COVID19 positive they may return to work 10 days after their positive test as long as they remain symptoms free

If Symptoms Present at Work

1. Continue to wear a mask and isolate from other individuals
2. Notify your supervisor and leave work immediately
3. Contact your doctor or MUSC Virtual Urgent Care (musc.care)

If Symptoms Present at Home

1. Continue to wear a mask and isolate from other individuals
2. Contact your doctor or do an MUSC Virtual Urgent Care visit (musc.care)
3. Call to notify your supervisor

For employers: If an employee leaves work sick with signs and symptoms of COVID19

1. If possible close off the area occupied by the sick employee
2. Wait 24 hours or as long as possible before cleaning and disinfecting that area. During waiting period open any doors or windows to the outside to increase airflow. Refer to cleaning recommendations section of playbook.

Self-monitoring instructions

1. Fever can be an important sign of COVID-19, but is not always present. During allergy season, early signs of COVID-19 may be indistinguishable from allergies. It is important to consider COVID-19 testing whenever your customary seasonal allergy symptoms worsen, change, or are new compared to your baseline. Testing more than once weekly is discouraged for persistent symptoms that have not changed.
2. Complete a temperature check twice daily and complete the Self-Monitoring Log or Web Application.
3. Temperature should be taken just prior to your work shift and just prior to going to bed.
 - a. Wait 30 minutes after eating, drinking, bathing, or exercising before taking your temperature. These activities can transiently elevate your temperature.
 - b. Wait 6 hours after taking medicines that can lower your temperature, such as: Tylenol (acetaminophen), aspirin, ibuprofen, or naproxen.
 - c. Fever is defined as: Measured oral temperature $\geq 100^{\circ}\text{F}/37.8^{\circ}\text{C}$ or subjective fever (you feel like you have a fever, but you do not or cannot measure a fever otherwise). This is lower than the normal fever threshold, but a conservative approach reduces the risk of unintentional exposure.
4. If you develop a fever, cough, difficulty breathing, or even mild symptoms consistent with COVID-19, you should leave work/remain at home and call your physician or

complete an MUSC Virtual Care visit at muschealth.org/virtual-care for a medical evaluation and to determine if testing is needed.

5. Notify your supervisor of your status and that you are leaving work/will not be at work. Follow the instructions provided by your doctor or the MUSC Virtual Health Provider.

The following page includes an example of a self-monitoring sheet that can be used to track symptoms

Novel Coronavirus Daily Temperature and Symptom Monitoring Worksheet

Date of departure: _____ Date of last exposure: _____ Last date of monitoring: _____

Instructions: Persons who are being monitored for symptoms of novel coronavirus must take their temperatures twice daily, once in the morning and once in the evening, and report any symptoms they are experiencing. For each day, document the morning and evening temperature and place an X in the box next to each symptom that the person is experiencing. If the person is experiencing a symptom that is not listed, it can be written into the row labeled as 'Other' for the corresponding date and time. If the person is not experiencing any symptoms, place an X in the box labeled "No symptoms". **If the person reports a fever or any of the symptoms listed, call your healthcare provider.**

Day:	Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7	
Date:														
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Time of check:														
Directly Observed (Y/N)														
Temperature & Symptoms														
Temperature	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F	___°F
Fever														
Cough														
Shortness of breath/Difficulty breathing														
Chest pain														
Other (specify)														
No symptoms														

Section 1 Part D: Travel and Transportation

Travel and Transportation:

1. Limit travel and modify commuting practices
2. Avoid all travel to areas where the virus is spreading
3. Employees who use public transportation should consider using teleworking to promote social distancing
 - a. If they cannot avoid using public transportation, wear a mask at all times and practice social distancing (6 feet distancing) whenever possible

Vehicle Assessment and Recommendations

1. Limit employees traveling in one vehicle together
2. Vehicles should be assigned to one individual and reused by that same individual as frequently as possible to limit the frequency of need for disinfecting
3. We recommend: only one employee should travel per vehicle. If this is not possible employees traveling in the same vehicle should utilize the following social distancing precautions:
 - a. All employees must wear a mask
 - b. Maintain > 6 feet between individuals in the vehicle
 - c. Stagger individuals such that one individual is not seated directly behind another
 - d. Do not turn on the vehicle internal air circulation while traveling together
 - e. Consider creating barriers (mesh separators, plexiglass, etc) between seats to prevent vehicle passengers from touching the same arm rests, electronic controls, air vents etc.
 - b. Clean high touch surfaces, using cleaning protocols prior to exiting the vehicle before another individual occupies the same vehicle
4. Disinfect high contact surfaces after each shift: steering wheel, dashboard, door handles, gear stick

Section 1 Part E: Employee risk of infection assessment and PPE recommendations

Job Roles	Exposure Risk Stratification	• PPE RECOMMENDATIONS
<p>Maintenance/Cleaning</p> <p>Joshua Key, Parks & Facilities Specialist (responsible for cleaning and disinfecting the facility as well as inside maintenance)</p>	High	<ul style="list-style-type: none"> • Regular facemask (cloth mask or “surgical mask”) at all times when cleaning, indoors and likely to interact within 6 feet of another person • Gloves should be used for disinfecting and cleaning • Eye covering (face shield or goggles), for cleaning whenever splashing likely to occur • Long-sleeved disposable or launderable outer layer over clothing such as a gown or coveralls can be used to offer additional protection • Consider replacing a regular facemask with an N95 mask or equivalent, when cleaning bathrooms which can be used to offer an additional level of protection from aerosolized virus
<p>Office Staff (Property Assistants, Managers, Directors)</p> <p>Norma Jean Page, Director (programs and instructors)</p> <p>Andrea Harrison, Special Events (summer camp, festivals and events)</p> <p>Christopher Bako, Parks & Ground Supervisor (responsible for outside maintenance)</p>	Medium	<ul style="list-style-type: none"> • Regular facemask (cloth mask or “surgical mask”) indoors with all face-to-face interactions. • Use hand hygiene when receiving payments, or packages from delivery services. <ul style="list-style-type: none"> ○ Alternatively, use gloves and remove after each encounter or perform hand hygiene over gloves after each encounter.

Holly Norton, community Specialist (responsible for front desk, registration and security camera monitoring)		<ul style="list-style-type: none"> Wear gloves when disinfecting high touch services and in between each interaction with guests.
Exercise Class Instructor	Medium	<ul style="list-style-type: none"> Regular facemask (cloth mask or “surgical mask”) must be worn indoors and with all face to face interaction if 6 feet distance cannot be maintained.

Section 2: Environmental Preparation

Section 2 Part A: Environmental Assessment and Recommendations

IOP RECREATION CENTER

The IOP Recreation Center provides both indoor and outdoor recreation offerings. Outdoor activities are currently permitted on a limited basis with indoor activities anticipated to begin Monday, May 25th. Members will be welcomed back gradually, and reservations will be utilized to maintain a decreased volume. Hours of operation will be from 8am – 5pm, Monday through Friday for indoor activities and Monday through Sunday for outdoor activities.

- Indoor Offerings are provided in a recreation center that houses a gym, cardio room, several multi-purpose rooms that hold exercise classes, kitchen, breakroom, shared offices and shared restrooms.
- Outdoor Offerings consist of tennis and basketball courts, multi-purpose fields and dog park.

CAPACITY

- As of 5/13/20 the South Carolina governor orders that businesses should limit the number of guests allowed to enter and simultaneously occupy the premises so as not to exceed:
 - Five (5) people (staff and members) per 1,000 square feet of retail or gym space (1 person per 200ft²)
 - OR twenty percent (20%) of the occupancy limit as determined by the fire marshal, whichever is less
 - We recommend that you continue to monitor the governor’s orders and check with your liaison regarding changes to occupancy limits (<https://governor.sc.gov/executive-branch/executive-orders>)

3. As the governor's orders change we continue to recommend that in order to ensure the safety of employees and guests, it is important to be able to maintain a minimum of 6 feet distance between each person
 - a. In rooms where individuals are moving frequently you should allow a maximum of 1 person per 114ft²
 - b. In rooms where individuals are stationary you should allow a maximum of 1 person per 36ft²

Entrance/Lobby, Hallway and Guest Check-In

Access Control and Physical Plant Modifications

1. The entrance to the recreation center has a separate entrance and egress to access the building and allow for one-way traffic. Directional arrows are noted on the floor and two-way traffic is physically divided by benches all along the hallway. You may wish to place signs on the benches discouraging their use. If it is desired to use them as seating, they should be included in your cleaning protocol and demarcation should be placed for 6 feet separation between seating.
2. 6 feet demarcations are currently placed on the floor of the lobby to assist guests in maintaining social distance. You may wish to place additional demarcations along the hallway (in addition to the directional arrows) if you feel that social distance cannot be maintained as guests travel throughout the hallway.
3. Minimal communal seating was noted. Consider closing (rope off) or removal of the communal seating in the lobby.
 - a. If you choose to keep this area open, remove chairs such that remaining chairs are spaced at least 6 feet apart and should be cleaned regularly. It appears that all furnishings have a wipeable plastic, leather or painted wood surface making them easy to clean.
4. Remove all extra furnishings, decorative items, and items that are difficult to disinfect so it is easier to clean surfaces.
 - a. No rugs were noted in the area that would require removal or frequent cleaning.
5. Hand sanitizer was noted on the wall closest to the entrance and exit and at the Guest Check-In desk.
 - a. It is recommended that hand sanitizer stations should also be placed at all points of entrance and egress and outside the public restrooms.
6. Holly Norton, the Community Specialist is responsible for guest check-in. The check-in process does not appear to require physical contact with the guest and can be conducted in a touchless manner. Holly has a close relationship with most guests and is confident that very little interaction will occur that is closer than 6 feet, thus maintaining good social distance.
7. A translucent barrier has been installed separating all face-to-face interaction.
8. It is recommended that staff should wear masks with all face to face interaction.

9. Gloves may be worn for any guest interaction, but emphasis must be placed on performing hand hygiene over gloves with each guest interaction. Soiled gloves must be replaced.
10. Reduce touch points by inserting the following when possible:
 - a. Motion sensors for lights and switches
 - b. Use automatic, no touch devices whenever possible (e.g. doors, sanitizer, hand towels, etc.)
11. Recommendations for communal bathrooms
 - a. Remove extra furnishings, decorative items, toiletries and items that are difficult to disinfect so it is easier to clean surfaces regularly.
 - b. We recommend that if toilets have lids, a sign be placed to advise they are closed prior to flushing.
 - c. Place signage near sinks to remind guest and staff of proper hand hygiene.
 - d. Staff has already placed signage indicating that hand air dryers are not in use. Automated paper towel dispensers are accessible. Hand dryers may be used so long as they are only used on hands that have been washed using appropriate technique.
12. Continue to utilize the following signage to help remind customers of best practice to limit the spread of disease between customers/employees. For the lobby we recommend the following educational signage in the locations listed as follows:
 - a. Respiratory etiquette reminders
 - i. Entrance/egress
 - ii. Check-In desk
 - b. Social distancing reminders (6-feet separation)
 - i. Entrance/egress
 - ii. Check-In desk
 - iii. Any place where a que might form

Employee Workflow

- 1) The Community Specialist representative should continue to be the only employee working at the check-in area and utilizing the workstation and office supplies.
- 2) Select one chair to be used and remove all other chairs.
- 3) Sanitize entire workstation including computer, countertop, chair, drawer pulls and handles, calculators, file folders, receipt printers, phones etc.) at beginning and end of shift and in between use if sharing occurs. Plastic, leather, or other wipeable surfaces are recommended where possible.
- 4) Use hand hygiene after handling shared items, money, personal checks, credit cards, writing instruments (e.g. whiteboard markers), or other potentially contaminated items.
- 5) Whenever possible, do not share writing instruments with coworkers.
- 6) Remove unnecessary items from desktop and customer side of countertop including business cards and pamphlets. Hand these to customers as needed.
- 7) Ensure a trash can is readily available in areas where doffing of contaminated PPE (gloves and disposable masks) is likely to occur.

- 8) Consider motion sensors for light-switches. Alternatively, consider having a sign above frequently used light-switches to leave on until a designated hour.
- 9) Replace air filters with high efficiency air filters as supported by the facility's HVAC.
- 10) Place hand hygiene stations or hand sanitizer bottles at the employee side of the reception desk and the entrance and egress.

Behavior Modification

1. Encourage guests and staff to use remote/automated services when possible.
 - a. Minimize face-to-face contact.
 - b. Utilize a face mask for interactions when 6 feet distance cannot be maintained.
 - c. Identify opportunities for delivering services remotely/remote communication if possible.
 - d. Leave all non-essential belongings in a single specific location, such as a personal locker or the drawer of a desk. If lockers are used by more than one individual, they should be disinfected in between users.
 - e. Use only designated locations for eating (ex. Breakrooms) and stagger shifts for eating
 - f. Staff should wash hands thoroughly:
 - i. Before and after applying/removing face mask
 - ii. After every contact with another individual
 - iii. Before and after eating
 - iv. After using the restroom
 - v. After handling garbage
 - vi. As needed based on CDC regulations

Private and Shared Office Space

1. Private office space: At present, most staff have a private office and can safely maintain recommended social distancing. It is recommended that staff be permitted to work remotely if their job allows. Additional Recommendations:
 - a. Implement staggered start times.
 - b. Remove clutter and unnecessary items from office space to reduce need for cleaning and disinfecting.
2. Chris Bako and Joshua Key work in a shared office with a shared computer. It does not appear that both gentlemen are in the office together much if at all. The following recommendations should be considered to maintain adequate social distancing and protection for each staff member:
 - a. Implement staggered start times or alternate work days if possible.
 - b. Insert hand hygiene stations at doorway and bottles of hand sanitizer at desks/workstations.
 - c. Rearrange furniture to promote social distancing if possible.
 - d. Remove any unnecessary seating or décor that cannot be easily cleaned. Use seating that is plastic, leather, or another easily wipeable material.

- e. Encourage scheduled appointments. If customers or non-occupant employees can schedule appointments, ensure adequate time between appointments to sanitize space.
- f. Place hand hygiene stations or hand sanitizer at the following locations:
 - i. Entrance/egress
 - ii. Desks near work station
- g. Utilize the following signage as best practice reminders for hygiene
 - i. Doorways
 - 1. Hand hygiene
 - 2. Respiratory etiquette
 - 3. Social distancing reminder (6-foot separation)
 - ii. Shared office equipment (printers etc.)
 - 1. Hand hygiene

Employee Workflow

1. Encourage employees to handle all business interactions remotely when possible.
2. Consider keeping daily huddles or staff meetings outdoors or in large conference spaces and assigning 1-2 people to collect necessary items to begin workday if primary work is not done in the shared office space.
3. Consider staggering shift start times by 1 hr. if high traffic flow tends to occur during specific times. Designate someone to clean before and after each shift start time.
4. Each employee should use one chair and one workstation in office space for the duration of shift if possible. These should be cleaned upon arrival and at departure.
5. If primary workstation is a shared, perform hand hygiene before and after use and clean the keyboard between use by different staff members.
6. If taking a personal laptop home, disinfect before entry into home and upon return to work. Disinfect before exchanging from one user to another.
7. Do not share writing instruments when possible. Perform hand hygiene before and after using writing instruments that are shared out of necessity. Avoid touching face until hand hygiene is completed.
8. Remove desk pads, calendars, or other difficult to disinfect items from desktop.
9. Remove any items that are unnecessary or difficult to disinfect such as rugs, curtains, throw pillows, or throw blankets.
10. Any cardboard boxes used to store items in offices should be replaced with plastic storage containers or containers made of another easily wipeable material.
11. When possible, leave doors open to minimize contact with high touch door handle.
12. Consider motion sensors for light-switches. Alternatively, consider having a sign above frequently used light-switches to leave on until a designated hour.
13. Replace air filters with high efficiency air filters as supported by the facility's HVAC.
14. Place hand hygiene stations or hand sanitizer at the following locations:
 - a. Entrance/egress
 - b. Desks/workstations
 - c. Printers
 - d. Copiers

- e. Other multi-use shared office supplies

Behavior modification

1. Encourage guests and office staff to use remote services when possible.
2. Consider keeping daily huddles outdoors or in large conference spaces and assigning 1-2 people to collect necessary items to begin workday if primary work is not done in the shared office space/cubicles.
3. Consider staggering shift start times by 1 hr. if high traffic flow tends to occur during specific times. Designate someone to clean before and after each shift start time.
4. Designate places for eating and do not eat at other sites. Perform hand hygiene before leaving and when returning to workstation.
5. Leave all non-essential belongings in a single specific location, such as a locker or the drawer of a desk. Remember that whatever you bring in from your home could be contaminated with your germs and could return to your home contaminated with someone else's germs. If lockers are used by more than one individual, they should be disinfected in between users.

Breakrooms

Access control and Physical Plant Modifications

The Recreation Center has a kitchen and breakroom. The kitchen is used for events and has been closed at this time. We recommend keeping the kitchen closed as long as possible. In the breakroom, we recommend the following:

1. Encourage employees to spend break time out of doors if possible. Discourage unnecessary use of breakroom.
2. If possible, use separate doors for entrance and egress. Clearly delineate one-way traffic with arrows on the floor or signs on the wall.
3. In the cases where entrance/egress cannot be separated, clearly mark capacity for room at entrance of breakroom. Consider placing signage that encourages employees to slow and observe before entering room.
4. Place hand hygiene stations or hand sanitizer bottles in the following locations:
 - a. Next to refrigerator.
 - b. Next to shared items if these items have not been removed per recommendation (toaster, microwave, coffee pot).
 - c. Countertops.
5. Signage to notify clients of best practice
 - a. Stop. Look. Enter.
 - b. Respiratory etiquette- Sneeze/cough into elbows
 - c. 6 feet separation
 - d. Hand hygiene

Employee Workflow

The following modifications to the breakroom and breakroom practices will help to decrease spread of infection:

1. Complete removal of shared use items like toasters, coffee pots, microwaves, shared snacks etc. is best practice for controlling spread of disease. Remember that with respiratory droplets, we are concerned about the virus particles entering the mucosa and in turn being breathed into the respiratory tract. Alternatively, practice hand hygiene before and after touching shared items and take the time to clean the high touch item before and after each use.
2. Limit breakroom to capacity as calculated per capacity calculation above. Discourage socializing in break rooms and encourage socializing in outside spaces. Staggered shifts for eating may be used.
3. Rearrange furniture to promote 6-foot distance between chairs. Remove excess chairs. Clean chairs and eating area after each use.
4. All chairs appeared to be plastic and easier to clean than upholstered chairs.
6. Remove items that are unnecessary and difficult to disinfect like rugs or curtains.
7. Replace any cardboard storage containers with plastic or other easy-clean surface.
8. Remove disposable cutlery and shared dishware. Encourage staff to bring items from home.
9. When possible, leave doors open to minimize contact with high touch door handles.
10. Consider motion sensors for light-switches. Alternatively, consider having a sign above frequently used light-switches to leave on until a designated hour.
11. Replace air filters with high efficiency air filters as supported by the facility's HVAC.
12. Place hand hygiene stations or hand sanitizer at the following locations:
 - a. Entrance/egress
 - b. Countertops or tables where people will be eating
 - c. Shared use items like microwave, toaster, coffee pot etc if not removed per recommendation
 - d. Refrigerator

Behavior modification

1. Discourage socializing in breakrooms. Encourage socializing outside while maintaining 6-foot distances.
2. Designate places for eating and do not eat at other sites and stagger shifts for eating.
3. Perform hand hygiene before leaving and when returning to workstation.
4. Avoid bringing cell phones or other personal items into the breakroom.
5. Leave all non-essential belongings in a single specific location, such as a locker or the drawer of a desk. Remember that whatever you bring in from your home could be contaminated with your germs and could return to your home contaminated with someone else's germs. If lockers are used by more than one individual, they should be disinfected in between users.

Fitness center

The Recreation Center will maintain a cardio room with exercise equipment such as bikes, treadmills and elliptical trainers and three rooms (gym and two class rooms) for group exercise classes. Staff has already taken precautions to insure both staff and guest safety. In addition to the guidelines set forth in Isle of Palms, Pandemic Plan for Continuity of Operations, March, 2020, please refer to the recommendations outlined below.

Access Control Recommendations

1. Current recommendations released by the governor from Associations affiliated with Fitness Centers, Gyms & YMCA Centers include:
 - a. Staff & members must have a Temperature below 100.4 degrees in order to be allowed to enter, work or participate in activities at the facility.
 1. Either check temperatures at the door or mandate that all employee and members self-check and verify they are not febrile prior to entry
2. As the governor's orders change, we continue to recommend that in order to ensure the safety of employees and guests, it is important to be able to maintain a minimum of 6 feet distance between each person. Continue to maintain the following access control measures that have already been established:
 - a. Limit use in the cardio room by temporarily placing equipment out of service in order to maintain social distancing. Spacing meets or exceeds the recommendations of 1 person per 36ft². Signage has already been placed on every other device. Staff feels that max of 2-3 guests will use the cardio room at any one given time.
 - b. In group class rooms, the governor's recommendations are to designate a 10' x 10' area for each member (1 person per 100ft²) we recommend that you do not allow more than 1 person per 114ft²
 - c. Limit class size (even if space permits more) to 10 participants to decrease the number of people congregating before and after class, regardless of building size. Classes will be held in the gym or one of two classrooms and are limited to 9 participants and 1 instructor. This is based on square footage of each room.
 - i. Floor demarcations established to indicate the instructor zone.
 - ii. Floor demarcations have been established to indicate participant zone.
3. Limit foot traffic
 - a. Indicate volume limits at entrance if not already posted.
 - b. One-way traffic flow has been established.
 - c. Separate entrance and egress has been established.
4. 6-feet separation demarcation in gathering areas/ques is already in place.
5. Insertion of hand hygiene stations at all points of entrance and egress.
6. Signage to notify clients of best practice:
 - a. Respiratory etiquette- Sneeze/cough into elbows
 - b. 6 feet separation
 - c. Hand hygiene

Physical Plant Modifications

1. Availability of cardio equipment restricted to machines that are at least 6 feet apart (e.g. every other machine, depending on spacing) to maintain social distancing practices. Continue to maintain this process.
2. Eliminate water fountains onsite. Ask members to bring their own water.
 - a. All water fountains have already been covered with a plastic bag and will not be used. Continue this practice as long as possible. If unable to restrict use, place hand hygiene station alongside water fountain with signage encouraging use prior to and after hydration.
 - b. Water coolers to fill bottles preferred, but still require hand hygiene station alongside water fountain with signage encouraging use prior to touching cooler
 - c. For sanitization recommendations, refer to risk mitigation strategies indicated in Cleaning Recommendations section.
3. Hand hygiene stations should be present at entrance, between machines and at exit
4. Reduce touch points.
 - a. Identify areas to remove/open doors to avoid necessity for contact.
 - b. Motion sensors for lights/switches.
5. Workplace ventilation:
 - a. High efficiency air filters and change regularly. HEPA filters are preferred.
 - b. Identify locations to open doors, windows in appropriate situations
6. Lockers have been closed for use.
7. Bookshelves with books were noted in one of the classrooms. As these books will not be used at this time, we recommend signage indicating such to avoid accidental use of books.

Behavior Modifications

1. Ask members to bring their own hand towels.
2. Sanitize equipment before and after each use.
 - a. Classroom equipment has been limited to those that are easy to clean.
 - b. Mats will not be provided at this time.
 - c. Cleaning products are provided in each area for staff/guest use if needed.
3. Full facility must be cleaned frequently (every 2 hours suggested) with EPA approved products.
 - a. Staff indicated Cardio room cleaning each hour or after several guests have left the area.
3. No equipment sharing allowed.
4. Limit movement and interaction outside of class area before, during and after exercise classes.

Outdoor Amenities and Sporting Activities

The Recreation Center will maintain a phased opening of outdoor facilities. A phased approach to opening is planned. Offerings include tennis and basketball courts, soccer and softball field, multi-purpose fields inclusive of picnic tables, playground and Bark Park. Staff will monitor outdoor facilities for adherence to appropriate social distancing and group size regulations. In addition to the guidelines set forth in Isle of Palms, Pandemic Plan for Continuity of Operations, March 2020, please refer to the recommendations outlined below.

Access Control Recommendations

1. At this time, it is noted that only the tennis and basketball courts, Bark Park and grounds will be open. Other areas will be opened based upon the success of phase 1.
2. Utilize reservation-only system.
3. Outdoor group exercise classes limited to **10** participants.
 - a. Guests must bring their own equipment (e.g. basketballs, tennis racquets, towels, etc.).

Behavior Modifications

1. Prohibit scheduled programming of team/group play.
2. Sanitize equipment at regular intervals.
3. Tennis and basketball courts are available for open play. No clinics, socials, or tournament play is offered at this time.
 - a. It is our recommendation that team sports with close contact and ball sharing (like basketball) not be allowed at this time.
 - i. Participants in team sports that require regularly being within 6-feet of another individual should wear a mask at all times
 - ii. Hand hygiene should be readily available, and players should be encourage to use throughout play
 - b. Hand hygiene station should be present on each court.
 - c. Players are required to have their own equipment. No shared or loaner equipment is permitted.

Educational posters and signs for Staff

1. Identify location of Signage to remind staff of best practices:
 - a. How to appropriately don/doff and use PPE
 - i. Ex. Near cleaning products or chemical closets, near restrooms
 - b. Respiratory etiquette
 - i. Ex. Breakrooms, Bathrooms, Time Clocks
 - c. Avoid touching your eyes, nose, or mouth with unwashed hands
 - i. Ex. Breakrooms, Bathrooms, Time Clocks
 - d. Social distancing reminders (6-feet separation)
 - i. Ex. Breakrooms, Bathrooms, Time Clocks
 - e. Hand hygiene

- i. Ex. Breakrooms, Bathrooms, Time Clocks
- f. Indications to stay home (stay home when sick) or self-isolate and leave workplace
 - i. Ex. Breakrooms, Bathrooms, Time Clocks
- g. Availability of medical screening or other worker health resource
 - i. Ex. Breakrooms, Bathrooms, Time Clocks

Cleaning Recommendations for the Recreation Center

Joshua Key is responsible for all facility cleaning and maintenance. Joshua has indicated that an electrostatic sprayer is used to clean all restrooms, gym equipment, gates, benches, and other high-touch surfaces located both inside and outside. To keep Joshua, staff and guests safe, we recommend the following:

1. Cleaning staff PPE
 - a. Cleaning staff should use standard PPE according to OSHA guidelines
 - b. In addition to regular OSHA recommended PPE, regular face masks should be used.
 - c. Eye covering (face shield or goggles) is beneficial to offer additional protection from splashing. Joshua has indicated goggles will be worn when electrostatic sprayer is in use.
 - d. Cleaning staff may wish to wear N95 masks when cleaning restrooms to offer an additional protection from aerosolized virus.
 - e. Avoid direct contact with body/clothing when handling trash. Clothing covering can be worn if desired. Coveralls have been ordered.
 - f. Gloves should be used while disinfecting/sanitizing. Perform appropriate hand hygiene over gloves after touching dirty items and after gloves are removed every time.
 - g. Cleaning crews should be provided training in PPE donning and doffing (resources available in PPE section of playbook).
2. High-contact surfaces
 - a. The following locations in offices have been identified as high touch surfaces and should be cleaned every hour or after touch between users when possible:
 - i. Door handles to enter space
 - ii. Computer workstations including keyboard, mouse, and monitor
 - iii. Personal or shared laptop
 - iv. Light-switches
 - v. Printers, copiers, other shared office machinery
 - vi. Whiteboards and whiteboard markers
 - vii. Landlines
 - viii. Drawer pulls
 - ix. Cabinet handles
 - x. Desk pads for keyboards/workstations (if not removed)
 - xi. Seating for visitors

- xii. Gates
 - xiii. Benches
 - xiv. Outdoor courts
- 3. Use the following guidelines for cleaning these high-contact surfaces:
 - a. Clean visibly soiled surfaces prior to disinfecting.
 - b. Disinfect
 - i. A list of products that are EPA-approved for use against the virus that causes COVID-19 is available in appendix A.
 - ii. Or Dilute bleach: 5 tablespoons (1/3 cup) bleach per gallon of water or 4 teaspoons bleach per quart of water.
 - c. Electronics
 - i. For electronics follow manufacturer guidelines or use alcohol-based wipes or sprays containing at least 70% alcohol to disinfect touch screens.
 - d. Soft surfaces including rugs, carpets and curtains should be laundered (if possible) according to the manufacturer's instructions.
- 4. Hard surfaces
 - a. Use EPA-approved products for use against the virus that causes COVID-19.
 - b. Or Dilute bleach: 5 tablespoons (1/3 cup) bleach per gallon of water or 4 teaspoons bleach per quart of water.
 - c. Allow to sit for at least 1 minute.
- 5. Electronics:
 - a. For electronics follow manufacturer guidelines or use alcohol-based wipes or sprays containing at least 70% alcohol to disinfect touch screens.
 - b. Computers, phones, cash registers, tablets, touch screens, keyboard, remote controls after each individual uses before another individual will use.
- 6. Soft surfaces
 - a. Clean areas that are visibly soiled prior to laundering.
 - b. Rugs, carpets and curtains should be laundered (if possible) according to the manufacturer's instructions.
 - c. Hard floors are easier to clean so rugs should be removed whenever possible.
 - d. Packages and other items arriving in work place.
- 7. Disinfect items centrally -Packages, couriers, food, etc. (this role may be fulfilled by mailroom staff in large organizations). See cleaning protocols above for how to disinfect.
 - a. OR allow packages to sit for 24 hours before handling.
 - b. OR have staff opening deliveries centrally perform hand hygiene after handling each item.

Community Bathrooms

Physical Plant modification

1. A tub is noted in one of the bathrooms. This will not be used. Signage should be used indicating such.

2. Insert hand sanitizer stations outside all bathrooms.
3. Light switches should be turned on at the beginning of the day and turned off at closing to limit touching of switch.
4. Any secondary doors that are unnecessary should be removed or remain open to limit high contact point.
5. When possible, create one-way traffic by placing arrows on either side of floor space for entry and egress.
6. Whenever possible we recommend inserting automatic, no-touch devices. If this is not possible it is critical that cleaning staff clean all high touch surfaces at regular intervals:
 - a. Soap Dispenser
 - b. Faucets in Sink
 - c. Paper Towel Dispenser or Hand Dryer
 - d. Auto Flush Toilets
 - e. Lighting
 - f. Touchless doors
7. Remove all community items from counter space (examples of items but not limited to: shaving cream, sunscreen, lotion, hand scrub).
8. Closing any community areas
 - a. Rearrange furniture to promote social distancing.
9. Remove any accessory items (examples but not limited to rugs, curtains, etc.).
10. If toilets have lids, place signage to close lid prior to flushing.
11. Place signage at sinks and hand sanitizer stations to remind guests of proper hand hygiene.

Bathroom Utilization Stratification:

1. Low Usage-staff only (1-3 visits per hour)
2. Medium Usage-Publicly used but limited foot traffic (4-12 visits per hour)
3. High Usage-Publicly used with high foot traffic (12-24 visits per hour)

Cleaning Frequency based on Utilization stratification:

1. Low usage-Every 6-8hours
2. Medium Usage-Every 2-3 hours
3. High Usage-Every hour

Cleaning Restrooms

1. Clean surfaces prior to disinfecting.
2. Disinfect hard non-porous surfaces within the interior of the vehicle using EPA approved products (appendix A), or diluted household bleach.
 - a. Ensure to clean all high contact surfaces. Examples include but are not limited to: countertops, doorknobs, light switches, toilets, faucets, sinks.
 - b. Close toilet lids when present prior to flushing.

Restroom Cleaning Staff PPE

1. Cleaning staff should use standard PPE according to OSHA guidelines.
2. In addition to regular OSHA recommended PPE we recommend cleaning staff should wear a facemask (N95 preferred), gloves and eye-shields when cleaning restrooms.
3. Cleaning staff should wear plastic gowns or coveralls to cover clothing if cleaning an area that is visibly soiled with human waste. Coveralls have been ordered for staff use.
4. Gloves should be used while cleaning. Perform appropriate hand hygiene over gloves after touching dirty items and after gloves are removed every time.

Packages and other items arriving in work place

1. Designate one location for any deliveries to the building/space
 - a. Disinfect items centrally -Packages, couriers, food, etc. (this role may be fulfilled by mailroom staff in large organizations). See cleaning protocols above for how to disinfect.
 - b. OR allow packages to sit for 24 hours before handling
 - c. OR have staff opening deliveries centrally perform hand hygiene after handling each item

Laundry

If towels or other items are used, launder according to CDC guidelines. Use the warmest appropriate water setting and dry items completely.

1. All items that are removed for cleaning should be bagged prior to removing from the dwelling.
2. Wear disposable gloves when handling dirty laundry
3. Do not shake dirty laundry.
4. Remove gloves, and wash hands right away.
5. Do not handle clean linens with gloves that have touched dirty linens.
6. Dirty and clean linens should not be transported together to avoid cross-contamination.

Care of cleaning items that are used to clean the facility

1. Vacuums and electrostatic device should be emptied and wiped with disinfectant after final use.
2. Mop and broom handles should be wiped with disinfectant after final use each day.
3. Mop and broom heads should be thoroughly rinsed in bucket with EPA approved cleaning solution after final use each day.

Appendix A: A list of products that are EPA-approved for use against the virus that causes COVID-19 is below. Updated list is available from <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>:

APPENDIX



List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use against SARS-CoV-2 Date Accessed: 05/04/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
1043-127	Phenolic	LpH® IIIse Phenolic Disinfectant	Steris Corporation	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare	Yes	04/30/2020
92378-2	Quaternary ammonium	Atmosphere	Atmosphere Global LLC	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
10897-108	Sodium hypochlorite	Hasa Bleach 6%	Hasa Inc	Rhinovirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential	Yes	04/30/2020
88049-2	Sodium hypochlorite	2.2% Sodium Hypochlorite Solution	Ameriplus Inc	Rhinovirus	30	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	04/30/2020
92449-1	Hypochlorous acid	Annihilate-1	Annihilare Medical Systems Inc	Rhinovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
95337-1	Citric acid	Volcano	CR Brands Inc	Rhinovirus	5	Wipe	Hard Nonporous	Institutional; Residential	Yes	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(HN); Food Contact Post-Rinse Required (FCR)			
34810-25	Thymol	Ready to Use Thymol	Wexford Labs Inc	Feline calicivirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
8383-3	Phenolic	Sporicidin (Brand) Disinfectant Solution (Spray)	Contec Inc	Norovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
87508-3	Sodium chlorite	Performacide	Odorstart LLC	Poliovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/30/2020
93672-2	Hydrogen peroxide	NeoSan Labs Part B	Neosan Labs Inc	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
93672-1	Quaternary ammonium	NeoSan Labs Part A	Neosan Labs Inc	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact	Healthcare; Institutional; Residential	Yes	04/30/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							Post-Rinse Required (FCR)			
1677-256	Quaternary ammonium	FSC 35K	Ecolab Inc	Feline calicivirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/30/2020
1839-213	Quaternary ammonium	SC-AHD-128	Stepan Company	Norovirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/30/2020
1839-211	Quaternary ammonium	SC-AHD-64	Stepan Company	Feline calicivirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
5185-505	Hydrogen chloride	The Works® Basic Disinfectant Toilet Bowl Cleaner	Bio-Lab Inc	Rotavirus; Poliovirus	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Yes	04/23/2020
74436-1	Quaternary ammonium	EasyDECON Part 1	EFT Holdings Inc	Hepatitis A virus; Rhinovirus; Feline calicivirus;	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
74436-2	Hydrogen Peroxide	EasyDECON	EFT Holdings	Hepatitis A	10	RTU	Hard	Healthcare;	Yes	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Part 2	Inc	virus; Rhinovirus; Feline calicivirus;			Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential		
66570-2	Sodium dichloro-S-triazinetrione	EfferSan™	Activon Inc	Feline calicivirus	5	Solid	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
87492-1	Chlorine dioxide	Electro-Biocide	Strategic Resource Optimization Inc	Rhinovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
11525-30	Quaternary ammonium; Ethanol	Disinfectant Spray "G"	Aerosols Danville Inc	Rhinovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
4822-614	Hydrochloric acid	Scrubbing Bubbles Power Stain Destroyer Non-Bleach Toilet Bowl Disinfectant	S.C. Johnson & Son Inc	Rotavirus	10	RTU	Hard Nonporous (HN)	Residential	Yes	04/23/2020
70627-79	Hydrogen peroxide	Oxivir HC Disinfectant	Diversey Inc	Feline calicivirus;	1	RTU	Hard Nonporous	Healthcare; Institutional	Yes	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Cleaner		Rhinovirus; Adenovirus; Rotavirus; Poliovirus			(HN); Food Contact Post-Rinse Required (FCR)			
70627-80	Hydrogen peroxide	Oxivir™ HC Wipes	Diversey Inc	Feline calicivirus; Rhinovirus; Adenovirus; Rotavirus; Poliovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	04/23/2020
4822-617	Sodium hypochlorite	Scrubbing Bubbles Bubbly Bleach Gel Toilet Bowl Disinfectant	S.C. Johnson & Son Inc	Rotavirus	10	RTU	Hard Nonporous (HN)	Residential	Yes	04/23/2020
6836-385	Hydrogen peroxide	DS-6640	Lonza LLC	Feline calicivirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
6836-388	Hydrogen peroxide	DS6809	Lonza LLC	Feline calicivirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
91452-1	Citric acid	LEXX™ Liquid Sanitizer and Cleaner Concentrate	ProNatural Brands LLC	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
1043-128	Phenolic	Vesphene IIIse Phenolic Disinfectant	Steris Corporation	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/23/2020
88897-1	Quaternary ammonium; Ethanol; Isopropanol	Panther Disinfectant	Maxill Inc	Poliovirus	3	Wipe	Hard Nonporous	Healthcare; Institutional	Yes	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Towelette					(HN)			
1677-255	Sodium dichloroisocyanurate	XHC-S	Ecolab Inc	Poliovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare, Institutional	Yes	04/23/2020
68660-11	Hydrogen peroxide; Peroxyacetic acid	Proxitane® AHC	Solvay Chemicals LLC	Rhinovirus	10	Dilutable	Hard Nonporous (HN)	Institutional	Yes	04/23/2020
34810-31	Phenolic	Wex-cide 128	Wexford Labs Inc	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
1839-155	Quaternary ammonium	BTC 2125M 20% Solution	Stepan Company	Adenovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
1839-245	Quaternary ammonium	SC-5:256HN	Stepan Company	Norovirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
65402-3	Peroxyacetic acid; Hydrogen peroxide	VigorOx SP-15 Antimicrobial Agent	PeroxyChem LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Institutional	Yes	04/23/2020
70271-15	Sodium hypochlorite	2% Sodium Hypochlorite Spray	KIK International, Inc.	Rhinovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/23/2020
73232-1	Isopropyl alcohol; Quaternary ammonium	Alpet D2	Best Sanitizers Inc	Norovirus	5	RTU	Hard Nonporous	Healthcare; Institutional;	Yes	04/23/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
34810-36	Citric acid	CleanCide Wipes	Wexford Labs Inc	Rhinovirus; Feline calicivirus	5	Towelette	(HN) Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential Healthcare; Institutional; Residential	Yes	04/23/2020
1839-96	Quaternary ammonium	NP 9.0 (D & F) Detergent/disinfectant	Stepan Company	Feline calicivirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
87518-1	Hypochlorous acid	Hsp2O	HSP USA LLC	Norovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/23/2020
72372-1	Hydrogen peroxide	B-Cap™ 35 Antimicrobial Agent	PeroxyChem LLC	Use this product for sterilization as instructed in the Bioquell Hydrogen Peroxide Vapor (HPV) User's Equipment Manual	Consult user manual	Vapor (use in conjunction with VHP generator)	Hard Nonporous (HN); Porous (P)	Institutional	Yes	04/16/2020
777-126	Hydrogen peroxide	Angel	Reckitt	Rotavirus;	10	RTU	Hard	Healthcare;	Yes	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
			Benckiser LLC	Rhinovirus			Nonporous (HN)	Institutional; Residential		
4822-594	Quarternary ammonium	Scrubbing Bubbles® Restroom Disinfectant Restroom Grime Fighter	S.C. Johnson & Son Inc	Rotavirus	5	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	04/16/2020
89833-4	Hydrogen peroxide	D7 Part 2	Decon7 Systems LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/16/2020
1677-254	Sodium hypochlorite	XHC-E	Ecolab Inc	Poliovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/16/2020
706-65	Quaternary ammonium	Claire Disinfectant Restroom Cleaner	Claire Manufacturing Company	Adenovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/16/2020
70144-5	Quaternary ammonium; Ethanol	Opti-cide Max	Micro-Scientific LLC	Rotavirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/16/2020
3573-77	Sodium hypochlorite	CSP-3002-3	The Proctor & Gamble Company	Norovirus; Poliovirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/16/2020
3573-96	Quaternary ammonium	Malibu Concentrate	The Proctor & Gamble Company	Feline calicivirus; Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required	Healthcare; Institutional; Residential	Yes	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(FCR)			
1839-215	Quaternary ammonium	SC-NDC-128	Stepan Company	Rotavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/16/2020
1839-233	Quaternary ammonium	SC-5:64N	Stepan Company	Simian rotavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/16/2020
6836-233	Quaternary ammonium	BARDAC 205M-50	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/16/2020
70627-35	Quaternary ammonium	Envy Foaming Disinfectant Cleaner	Diversey Inc	Poliovirus	3	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	04/16/2020
1839-225	Quaternary ammonium	SC-RTU-TB	Stepan Company	Rhinovirus	3	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/16/2020
1839-212	Quaternary ammonium	SC-AHD-256	Stepan	Feline	5	Dilutable	Hard	Healthcare;	Yes	04/16/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
			Company	calicivirus; Norovirus			Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential		
5741-28	Sodium hypochlorite	Tulmult	Spartan Chemical Company Inc	Feline calicivirus; Norovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/16/2020
70144-2	Quarternary ammonium; Isopropanol	Opti-Cide 3® Wipes	Micro-Scientific LLC	Rotavirus; Rhinovirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
1677-259	Dodecylbenzenesulfonic acid; Lactic acid	CW32A-RTU	Ecolab Inc	Norovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	04/09/2020
1677-260	Dodecylbenzenesulfonic acid; Lactic acid	S&S Sanitizer	Ecolab Inc	Norovirus	0.5 (30 seconds)	Dilutable	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	04/09/2020
91899-2	Hydrogen peroxide	MDF-200 Part B	Span-World LLC	Feline calicivirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional	Yes	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
91899-1	Quarternary ammonium	MDF-200 Part A	Span-World LLC	Feline calicivirus	10	Dilutable	Required (FCR) Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	04/09/2020
34810-35	Citric acid	Cleancide	Wexford Labs Inc	Feline calicivirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
9804-1	Chlorine dioxide	Oxine	Bio-Cide International Inc	Canine parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
58779-4	Hydrogen peroxide	Vaprox Hydrogen Peroxide Sterilant	Steris Corporation	Use this product for sterilization as instructed in the Vaporized Hydrogen Peroxide (VHP®) User's Equipment Manual	Consult user manual	Vapor (use in conjunction with VHP generator)	Hard Nonporous (HN); Porous (P); Food Contact No Rinse (FCNR)	Institutional	Yes	04/09/2020
58232-2	Sodium hypochlorite	Sodium Hypochlorite 8.25%	Hasa Inc	Rhinovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/09/2020
4822-593	L-Lactic Acid	Windex Disinfectant Cleaner	S.C. Johnson & Son Inc	Rhinovirus	5	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	04/09/2020
66251-2	Citric acid; Thymol	SBT 2 to 1 Concentrate	Melaleuca Inc	Rhinovirus, Poliovirus	10	Dilutable	Hard Nonporous	Residential	Yes	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(HN)			
71700-2	Chlorine dioxide; Quaternary ammonium	SNiPER	Global Environmental Restoration Inc	Canine parvovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/09/2020
9150-2	Chlorine dioxide	Anthium Dioxide	International Dioxide Inc	Canine parvovirus	15	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
66171-103	Peroxyacetic acid; Hydrogen peroxide	Peraside A Peroxyacetic Acid-Based Sanitizer/ Disinfectant	Preserve International	Murine norovirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
3573-54	Citric acid	Comet Disinfecting Restroom Cleaner	The Proctor & Gamble Company	Feline calicivirus; Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/09/2020
39967-138	Potassium peroxymonosulfate; Sodium choride	Rely+On Multipurpose Disinfectant Cleaner	Lanxess Corporation	Hepatitis A virus; Feline calicivirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/09/2020
1839-246	Quaternary ammonium	SC-5:128HN	Stepan Company	Rotavirus; Feline calicivirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/09/2020
1839-86	Quaternary ammonium	BTC 2125 M 10% Solution	Stepan Company	Adenovirus	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	Yes	04/09/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(HN); Food Contact Post-Rinse Required (FCR)	Residential		
1839-166	Quaternary ammonium	BTC 885 NDC-128	Stepan Company	Rotavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/09/2020
8383-13	Hydrogen peroxide; Peroxyacetic acid	PeridoxRTU™	Contec Inc	Feline calicivirus	2	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/09/2020
84683-3	Thymol	Benefect Botanical Daily Cleaner Disinfectant Spray	Cleanwell LLC	Rhinovirus	10	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	04/02/2020
88897-2	Quaternary ammonium; Isopropanol; Ethanol	Panther Disinfectant	Maxill Inc	Adenovirus; Feline calicivirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	04/02/2020
42048-4	L-Lactic Acid	Sani-Cide EX3 (10X) RTU	Celeste Industries Corp	Feline calicivirus	10	RTU	Hard Nonporous (HN)	Institutional	Yes	04/02/2020
66171-7	Quaternary ammonium; Glutaraldehyde	Synergize	Preserve International	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Institutional	Yes	04/02/2020
85837-4	Hydrogen peroxide	Proxi Home General Disinfectant	Innovasource LLC	Rhinovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/02/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Cleaner Spray								
498-179	Quaternary ammonium; Ethanol	Champion Sprayon Spray Disinfectant Formula 3	Chase Products Co	Rhinovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	04/02/2020
1839-236	Quaternary ammonium	SC-5:128N	Stepan Company	Rotavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/02/2020
70385-6	Quaternary ammonium	QGC	Prostore Products	Feline calicivirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	04/02/2020
1043-87	Phenolic	Vesphene II se	Steris Corporation	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/26/2020
1043-91	Phenolic	LpH®	Steris Corporation	Adenovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional	Yes	03/26/2020
1839-100	Quaternary ammonium	Veterinarian Type Disinfectant	Stepan Company	Feline calicivirus; Norovirus	10	Dilutable	Hard Nonporous (HN)	Residential	Yes	03/26/2020
1839-95	Quaternary ammonium	NP 4.5 (D & F)	Stepan	Norovirus	10	Dilutable	Hard	Healthcare;	Yes	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Detergent/ disinfectant	Company				Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential		
4091-20	Quaternary ammonium	Phoenix 2	W.M. Barr & Company Inc	Rotavirus; Feline calicivirus; Rhinovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020
44446-67	Phenolic; Ethanol	Concept Hospital Disinfectant Deodorant	Quest Specialty Corp	Adenovirus; Canine hepatitis virus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020
45745-11	Hydrogen peroxide	HP202	Midlab	Rotavirus; Norovirus; Rhinovirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/26/2020
56392-8	Sodium hypochlorite	Dispatch	Clorox Professional Products Company	Adenovirus	1	Towelette	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/26/2020
65402-9	Peroxyacetic acid; Hydrogen Peroxide	VigorOx 15/10 Antimicrobial Agent	PeroxyChem LLC	Feline calicivirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/26/2020
67619-40	Sodium hypochlorite	TNT	Clorox	Murine	1	RTU	Hard	Healthcare;	Yes	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
			Professional Products Company	norovirus			Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential		
70060-19	Sodium chlorite; Sodium dischloroisocyanurate dihydrate	Aseptrol S10- Tab	BASF Corporation	Feline calicivirus	10	Solid	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/26/2020
70144-4	Quaternary ammonium; Ethanol	Opti-cide Max Wipes	Micro- Scientific LLC	Rotavirus	1	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/26/2020
70271-13	Sodium hypochlorite	Pure Bright Germicidal Ultra Bleach	KIK International LLC	Adenovirus; Rotavirus; Canine parvovirus; Feline panleukopenia virus; Hepatitis A virus; Norovirus; Poliovirus; Rhinovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020
70271-31	Sodium hypochlorite	Nova	KIK International LLC	Rhinovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
777-131	Hypochlorous acid	Cousteau	Reckitt Benckiser	Rhinovirus	10	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/26/2020
82972-1	Chlorine dioxide; Quaternary ammonium	Vital Oxide	Vital Solutions LLC	Adenovirus; Canine parvovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020
84198-1	Hydrogen peroxide	Peroxy HDOX	Earth Laboratories Inc	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/26/2020
84683-4	Thymol	Benefect Botanical Daily Cleaner Disinfectant Towelette	Cleanwell LLC	Rhinovirus	10	Wipe	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/26/2020
89833-3	Quaternary ammonium	D7 Part 1	Decon7 Systems LLC	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/26/2020
89900-2	Quaternary ammonium	Scrubbing Bubbles Disinfectant Restroom Cleaner II	S.C. Johnson Professional	Rotavirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Yes	03/26/2020
89900-3	Quaternary ammonium	Fantastik	S.C. Johnson	Rotavirus	5	RTU	Hard	Institutional;	Yes	03/26/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Multi-Surface Disinfectant Degreaser	Professional				Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential		
91399-2	Sodium chlorite	Biotab7	Advanced Biocide Technologies Inc	Feline calicivirus; Norovirus	1	Dilutable	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/26/2020
92108-1	Hypochlorous acid	Excelyte Vet	PCT LTD	Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/26/2020
92987-1	Sodium chlorite; citric acid	Tristel Duo for Surfaces	Tristel Solutions LTD	Adenovirus; Feline calicivirus; Poliovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/26/2020
93040-1	Sodium chloride	Force of Nature Activator Capsule	HCl Cleaning Products LLC	Feline calicivirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/26/2020
1130-15	Quaternary ammonium; Isopropanol	Weiman Germicidal Solution	Weiman Products LLC	Rotavirus	3	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
1677-233	Quaternary ammonium	Multi-Purpose Disinfectant Cleaner	Ecolab Inc	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/19/2020
5813-120	Sodium hypochlorite	CRB	The Clorox Company	Canine parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/19/2020
675-55	Citric acid	Lysol Restroom Cleaner	Reckitt Benckiser LLC	Poliovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/19/2020
70144-1	Quaternary ammonium; Isopropanol	Opti-Cide 3	Micro-Scientific LLC	Rotavirus; Rhinovirus Type 14	2	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/19/2020
706-111	Quaternary ammonium	Claire Disinfectant Spray Q	Claire Manufacturing Company	Poliovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/19/2020
84526-6	Hydrogen peroxide; Silver	Halomist	Halosil International Inc	Feline calicivirus; Minute virus of men	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/19/2020
85134-1	Hypochlorous acid	Envirocleanse A	Envirocleanse LLC	Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/19/2020
87518-6	Sodium hypochlorite	Sporex	HSP USA LLC	Norovirus; Canine parvovirus	1	RTU	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	Yes	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							Contact Post-Rinse Required (FCR)			
90150-2	Hydrogen peroxide	Binary Ionization Technology (BIT) Solution	Tomi Environmental Solutions Inc	Feline calicivirus	15	Fog; Mist	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/19/2020
91582-1	Hypochlorous acid	Danolyte	Danolyte Global Inc	Adenovirus; Rhinovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/19/2020
9480-4	Quaternary ammonium; Isopropanol	Super Sani-Cloth Germicidal Disposable Wipe	Professional Disposables International Inc	Rhinovirus 39; Adenovirus	2	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/19/2020
9480-8	Sodium hypochlorite	Sani-Cloth Bleach Germicidal Disposable Wipe	Professional Disposables International Inc	Adenovirus; Rotavirus; Canine parvovirus; Hepatitis A virus; Poliovirus Type 1; Rhinovirus Type 37; Feline	1	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/19/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
				calicivirus						
9480-9	Quaternary ammonium	AF3 Germicidal Disposable Wipe	Professional Disposables International Inc	Rotavirus; Adenovirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/19/2020
5813-58	Quaternary ammonium	Spruce-ups	The Clorox Company	Rotavirus	0.25 (15 seconds)	Wipe	Hard Nonporous (HN)	Institutional; Residential	Yes	03/13/2020
1677-250	Hydrogen peroxide; Peroxyoctanoic acid; Peroxyacetic acid	Synergex	Ecolab Inc	Reovirus	5	Dilutable	Hard Nonporous (HN)	Institutional	Yes	03/13/2020
37549-1	Sodium hypochlorite	Micro-kill Bleach Germicidal Bleach Wipes	Medline Industries Inc	Norovirus	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
37549-2	Sodium hypochlorite	Micro-kill Bleach Solution	Medline Industries Inc	Norovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/13/2020
44446-23	Quaternary ammonium	Germ Away	Quest Specialty Corp	Canine parvovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
46781-12	Quaternary ammonium; Ethanol; Isopropanol	Cavicide 1	Metrex Research	Adenovirus; Rotavirus; Feline Calicivirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
46781-13	Quaternary ammonium; Ethanol; Isopropanol	Caviwipes 1	Metrex Research	Adenovirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
46781-14	Sodium hypochlorite	Caviwipes Bleach	Metrex Research	Feline calicivirus	3	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/13/2020
46781-15	Sodium hypochlorite	Cavicide Bleach	Metrex Research	Poliovirus; Rhinovirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
5813-100	Sodium hypochlorite	Puma	The Clorox Company	Canine parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
5813-102	Sodium hypochlorite	CGB1	The Clorox Company	Canine parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
5813-109	Quaternary ammonium	Say Q	The Clorox Company	Rotavirus	10	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	03/13/2020
5813-113	Quaternary ammonium	CDW	The Clorox Company	Rotavirus	4	Wipe	Hard Nonporous (HN)	Institutional; Residential	Yes	03/13/2020
5813-118	Quaternary ammonium	Dash	The Clorox Company	Rotavirus	10	RTU	Hard Nonporous (HN)	Residential	Yes	03/13/2020
6659-3	Quaternary ammonium	Spray Nine	ITW Permatest Inc	Norovirus; Rhinovirus; Poliovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
74559-10	Hydrogen peroxide	Oxy-1 Wipes	Virox Technologies Inc	Poliovirus	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
67619-20	Quaternary ammonium	Rex	Clorox Professional Products Company	Hepatitis A virus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/13/2020
67619-26	Sodium hypochlorite	Boris	Clorox Professional Products Company	Canine parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
67619-35	Peracetic acid; Hydrogen peroxide	Blacksmith	Clorox Professional Products Company	Rhinovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/13/2020
67619-41	Quaternary ammonium	PPD Dash	Clorox Professional Products Company	Rotavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
67619-9	Quaternary ammonium	PJW-622	Clorox Professional Products Company	Rotavirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-136	Quaternary ammonium	Lonza Formulation S-18F	Lonza LLC	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-139	Quaternary ammonium	Lonza Formulation R-82F	Lonza LLC	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
6836-277	Quaternary ammonium	BARDAC 205M-1.30	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-303	Quaternary ammonium	BARDAC 205M-5.2	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-346	Quaternary ammonium	Lonzagard RCS-256	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-347	Quaternary ammonium	Lonzagard RCS-128	Lonza LLC	Feline calicivirus; Enterovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-348	Quaternary ammonium	Lonzagard RCS-128 PLUS	Lonza LLC	Feline calicivirus; Enterovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-362	Quaternary ammonium	Nugen MB5A-128	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-363	Quaternary ammonium	Nugen MB5A-64	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
6836-366	Quaternary ammonium	Nugen MB5N-64	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
74559-1	Hydrogen peroxide	Accel TB	Virox Technologies Inc	Poliovirus; Feline Calicivirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
74559-9	Hydrogen peroxide	Oxy-1 RTU	Virox Technologies Inc	Poliovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
74559-3	Hydrogen peroxide	Accel TB Wipes	Virox Technologies	Poliovirus	1	Wipe	Hard Nonporous	Healthcare; Institutional;	Yes	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
			Inc				(HN)	Residential		
74559-4	Hydrogen peroxide	Accel (Concentrate) Disinfectant Cleaner	Virox Technologies Inc	Poliovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
777-114	Quaternary ammonium	Lysol® Disinfecting Wipes (All Scents)	Reckitt Benckiser	Rotavirus	10	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/13/2020
83614-1	Quaternary ammonium	Byotrol 24	Byotrol Inc	Feline calicivirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/13/2020
84150-2	Ethanol	Mitersaw	GOJO Industries Inc	Feline calicivirus	5	Wipe	Hard Nonporous (HN)	Institutional; Residential	Yes	03/13/2020
87742-1	Thymol	Thymox Disinfectant Spray	Laboratoire M2	Norovirus	4	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/13/2020
777-70	Quaternary ammonium	Lysol Brand Cling & Fresh Toilet Bowl Cleaner	Reckitt Benckiser LLC	Rotavirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	03/03/2020
1677-129	Hydrogen peroxide; Peroxyacetic acid	Oxonia Active	Ecolab Inc	Poliovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
1677-226	Hydrogen peroxide;	Virasept	Ecolab Inc	Norovirus;	4	RTU	Hard	Healthcare;	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
	Octanoic acid; Peroxyacetic acid			Rhinovirus			Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional		
1677-235	Sodium hypochlorite	Bleach Disinfectant Cleaner	Ecolab Inc	Murine Norovirus; Poliovirus; Rhinovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
1677-237	Hydrogen peroxide; Peroxyacetic acid	Oxycide Daily Disinfectant Cleaner	Ecolab Inc	Feline Calicivirus; Rhinovirus	3	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
1677-238	Hydrogen peroxide	Peroxide Multi Surface Cleaner and Disinfectant	Ecolab Inc	Norovirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
1677-249	Isopropanol	Klerride 70/30 IPA	Ecolab Inc	Rhinovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
777-83	Sodium hypochlorite	Lysol Brand Bleach Mold And Mildew Remover	Reckitt Benckiser LLC	Rhinovirus; Norovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
1839-220	Quaternary ammonium	SC-RTU Disinfectant Cleaner	Stepan Company	Poliovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
1839-248	Quaternary ammonium	Stepan Spray Disinfectant	Stepan Company	Rhinovirus	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Concentrate					(HN)	Residential		
1839-83	Quaternary ammonium	Detergent Disinfectant Pump Spray	Stepan Company	Canine Parvovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
4091-21	Quaternary ammonium	Condor 2	W.M. Barr & Company Inc	Rotavirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
4091-22	Quaternary ammonium; Citric acid	Raptor 5	W.M. Barr & Company Inc	Rhinovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
42182-9	Quaternary ammonium; Ethanol	Firebird F130	Microban Products Company	Poliovirus; Norovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
47371-129	Quaternary ammonium	Formulation HWS- 256	H&S Chemicals Division of Lonza LLC	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
47371-130	Quaternary ammonium	Formulation HWS-128	H&S Chemicals Division of Lonza, LLC	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
47371-131	Quaternary ammonium	HWS-64	H&S Chemicals Division of Lonza LLC	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
47371-192	Quaternary ammonium	Formulation HWS-32	H&S Chemicals Division of	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
Lonza LLC										
56392-7	Sodium hypochlorite	Clorox Healthcare® Bleach Germicidal Cleaner Spray	Clorox Professional Products Company	Canine Parvovirus; Feline Panleukopenia Virus; Hepatitis A Virus; Norovirus; Poliovirus; Rhinovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/03/2020
5813-105	Sodium hypochlorite	Clorox Multi Surface Cleaner + Bleach	The Clorox Company	Rhinovirus; Canine Parvovirus; Feline Panleukopenia Virus; Norovirus; Poliovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential	Yes	03/03/2020
5813-110	Hydrogen peroxide	Clorox Pet Solutions Advanced Formula Disinfecting Stain & Odor Remover	The Clorox Company	Enterovirus D68; Norovirus; Rhinovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
5813-111	Sodium hypochlorite	Clorox Disinfecting Bleach2	The Clorox Company	Canine Parvovirus; Feline Parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
5813-114	Sodium hypochlorite	Clorox Performance Bleach1	The Clorox Company	Canine Parvovirus; Feline Parvovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
5813-115	Quaternary ammonium	Clorox Scentiva Restroom Disinfecting Foam Cleaner	The Clorox Company	Rotavirus	5	RTU	Hard Nonporous (HN)	Residential	Yes	03/03/2020
5813-21	Sodium hypochlorite	Clorox Clean Up Cleaner + Bleach	The Clorox Company	Norovirus; Poliovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
5813-40	Quaternary ammonium	Clorox Disinfecting Restroom Cleaner	The Clorox Company	Rhinovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
5813-79	Quaternary ammonium	Clorox Disinfecting Wipes	The Clorox Company	Rotavirus	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
5813-89	Sodium hypochlorite	Clorox Toilet Bowl Cleaner with Bleach	The Clorox Company	Rhinovirus; Rotavirus	10	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	03/03/2020
63761-10	Quaternary ammonium; Sodium carbonate Peroxyhydrate	Sterilex Ultra Step	Sterilex	Feline Calicivirus; Rotavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
63761-8	Quaternary ammonium; Hydrogen peroxide	Sterilex Ultra Disinfectant Cleaner Solution 1	Sterilex	Feline Calicivirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
675-54	Quaternary ammonium	Lysol Brand Heavy Duty Cleaner Disinfectant Concentrate	Reckitt Benckiser LLC	Rotavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							Required (FCR)			
67619-12	Sodium hypochlorite	Clorox Healthcare® Bleach Germicidal Wipes	Clorox Professional Products Company	Canine Parvovirus; Feline Parvovirus	3	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
67619-16	Sodium hypochlorite	Clorox Commercial Solutions® Toilet Bowl Cleaner with Bleach1	Clorox Professional Products Company	Rotavirus; Rhinovirus 39	10	RTU	Hard Nonporous (HN)	Institutional; Residential	Yes	03/03/2020
67619-17	Sodium hypochlorite	Clorox Commercial Solutions® Clorox® Clean-Up Disinfectant Cleaner with Bleach1	Clorox Professional Products Company	Norovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-21	Quaternary ammonium; Ethanol	Clorox Commercial Solutions® Clorox® Disinfecting Spray	Clorox Professional Products Company	Coxsackie Virus; Echovirus; Feline Calicivirus; Hepatitis A Virus; Poliovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-24	Hydrogen Peroxide	Clorox Commercial Solutions® Hydrogen Peroxide	Clorox Professional Products Company	Norovirus; Rhinovirus; Rotavirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse	Healthcare; Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Cleaner Disinfectant					Required (FCR)			
67619-25	Hydrogen peroxide	Clorox Commercial Solutions® Hydrogen Peroxide Cleaner Disinfectant Wipes	Clorox Professional Products Company	Norovirus	2	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-29	Ethanol	Saginaw	Clorox Professional Products Company	Coxsackievirus; Hepatitis A Virus; Rhinovirus; Rotavirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-30	Sodium hypochlorite	GNR	Clorox Professional Products Company	Coxsackievirus; Feline Calicivirus; Feline Panleukopenia Virus; Minute virus of mice; Poliovirus; Rhinovirus Type 37	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-31	Quaternary ammonium	Clorox Commercial Solutions® Clorox® Disinfecting Wipes	Clorox Professional Products Company	Rotavirus	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
67619-32	Sodium hypochlorite	CloroxPro™ Clorox® Germicidal Bleach	Clorox Professional Products Company	Canine Parvovirus; Coxsackievirus B3 Virus; Enterovirus D68; Norovirus; Feline Parvovirus; Hepatitis A Virus; Murine Norovirus; Poliovirus; Rhinovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-33	Hydrogen peroxide	Clorox Commercial Solutions® Clorox® Disinfecting Biostain & Odor Remover	Clorox Professional Products Company	Enterovirus, Norovirus; Rhinovirus Type 37	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-37	Quaternary ammonium	Clorox Healthcare® VersaSure® Wipes	Clorox Professional Products Company	Norovirus	5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
67619-38	Quaternary ammonium	CloroxPro™ Clorox Total 360® Disinfecting Cleaner1	Clorox Professional Products Company	Adenovirus	2	RTU; Electrostatic spray (Clorox® Total 360® system)	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020

6836-140	Quaternary ammonium	Lonza Formulation S- 21F	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
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EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
6836-152	Quaternary ammonium	Lonza Formulation DC-103	Lonza LLC	Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-266	Quaternary ammonium	BARDAC 205M-10	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-278	Quaternary ammonium	BARDAC 205M- 14.08	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-289	Quaternary ammonium	BARDAC 205M RTU	Lonza LLC	Norovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-302	Quaternary ammonium	BARDAC 205M-2.6	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-305	Quaternary ammonium	BARDAC 205M-23	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required	Healthcare; Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(FCR)			
6836-313	Quaternary ammonium	Lonza Disinfectant Wipes	Lonza LLC	Rotavirus	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-340	Quaternary ammonium	Lonza Disinfectant Wipes Plus 2	Lonza LLC	Norovirus	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
6836-349	Quaternary ammonium	Lonzagard RCS- 256 Plus	Lonza LLC	Enterovirus D68; Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-361	Quaternary ammonium	Nugen MB5A-256	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-364	Quaternary ammonium	Nugen MB5N-256	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-365	Quaternary ammonium	Nugen MB5N-128	Lonza LLC	Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-70	Quaternary ammonium	BARDAC 205M-7.5	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-75	Quaternary ammonium	Lonza Formulation S-21	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-77	Quaternary ammonium	Lonza Formulation S- 18	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
6836-78	Quaternary ammonium	Lonza Formulation R- 82	Lonza LLC	Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
70627-24	Quaternary ammonium	Virex™ II / 256	Diversey Inc	Adenovirus Type 2	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/03/2020
70627-56	Hydrogen peroxide	Oxivir Tb	Diversey Inc	Norovirus; Rhinovirus; Poliovirus Type 1	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	Yes	03/03/2020
70627-58	Hydrogen peroxide	Oxy-Team™ Disinfectant Cleaner	Diversey Inc	Canine Parvovirus; Feline Picornavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
70627-60	Hydrogen peroxide	Oxivir™ Wipes	Diversey Inc	Norovirus; Poliovirus Type 1; Rhinovirus Type 14	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
70627-72	Sodium hypochlorite	Avert Sporidical Disinfectant Cleaner	Diversey Inc	Canine Parvovirus; Norovirus; Hepatitis A; Poliovirus Type 1	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
70627-74	Hydrogen peroxide	Oxivir 1	Diversey Inc	Canine Parvovirus; Enterovirus Type D68	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
70627-77	Hydrogen peroxide	Oxivir 1 Wipes	Diversey Inc	Enterovirus	1	Wipe	Hard	Healthcare;	Yes	03/03/2020

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Type D68							Nonporous (HN)	Institutional		
71847-6	Sodium dichloro-S-triazinetrione	Klorsept	Medentech LTD	Hepatitis A virus; Coxsackievirus B3	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
71847-7	Sodium dichloro-S-triazinetrione	Klorkleen	Medentech LTD	Hepatitis A virus; Coxsackievirus B3	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
777-127	Quaternary ammonium; Ethanol	Lysol® Disinfectant Max Cover Mist	Reckitt Benckiser LLC	Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
777-132	Hydrochloric acid	Lysol Brand Power Plus Toilet Bowl Cleaner	Reckitt Benckiser LLC	Poliovirus Type 1	10	RTU	Hard Nonporous (HN)	Healthcare; Residential	Yes	03/03/2020
1677-251	Hydrogen peroxide	Peroxide Disinfectant And Glass Cleaner Rtu	Ecolab Inc	Norovirus	0.75 (45 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
777-81	Hydrochloric acid	Lysol Brand Lime & Rust Toilet Bowl Cleaner	Reckitt Benckiser LLC	Poliovirus Type 1; Hepatitis A virus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
777-89	Quaternary ammonium	Lysol Brand Clean & Fresh Multi-surface Cleaner	Reckitt Benckiser LLC	Rotavirus WA	3	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	Yes	03/03/2020

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777-99	Quaternary ammonium; Ethanol	Lysol® Disinfectant Spray	Reckitt Benckiser LLC	Norovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	Yes	03/03/2020
84150-1	Ethanol	PURELL Professional Surface Disinfectant Wipes	GOJO Industries Inc	Norovirus	5	Wipe	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/03/2020
84368-1	Ethanol	Urthpro	Urthtech LLC	Hepatitis A virus	1	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	Yes	03/03/2020
88494-3	Quaternary ammonium; Ethanol	Peak Disinfectant	North American Infection Control Ltd	Poliovirus Type 1; Rhinovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
88494-4	Quaternary ammonium; Ethanol	Peak Disinfectant Wipes	North American Infection Control Ltd	Poliovirus Type 1; Rhinovirus	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Yes	03/03/2020
9480-10	Quaternary ammonium; Ethanol; Isopropanol	Sani-Prime Germicidal Spray	Professional Disposables International Inc	Feline Calicivirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
9480-12	Quaternary ammonium; Ethanol; Isopropanol	Sani-Cloth Prime	Professional Disposables	Feline Calicivirus	3	Wipe	Hard Nonporous	Healthcare; Institutional	Yes	03/03/2020

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		Germicidal Disposable Wipe	International Inc				(HN)			
9480-14	Hydrogen Peroxide	Sani-HyPerCide Germicidal Spray	Professional Disposables International Inc	Norovirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional	Yes	03/03/2020
1839-216	Quaternary ammonium	SC-NDC-64	Stepan Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	04/30/2020
777-139	Citric acid	T-bone	Reckitt Benckiser LLC	Human coronavirus	5	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	04/30/2020
91176-2	1,2-Hexanediol	PELS 422	The Gilla Company LLC	Human coronavirus	10	RTU	Hard Nonporous (HN)	Healthcare, Institutional	No	04/23/2020
1839-235	Quaternary ammonium	SC-5:256N	Stepan Company	Rotavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	04/23/2020
1839-244	Quaternary ammonium	SC -5:64HN	Stepan Company	Feline calicivirus	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	No	04/23/2020

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							(HN); Food Contact Post-Rinse Required (FCR)	Residential		
39967-137	Potassium peroxymonosulfate; Sodium choride	Virkon S	Lanxess Corporation	Feline calicivirus	10	Dilutable	Hard Nonporous (HN)	Institutional	No	04/02/2020
954-11	Quaternary ammonium	Barbicide	King Research Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	04/02/2020
11346-3	Sodium hypochlorite	Clorox HW	The Clorox Company	Feline calicivirus; Norovirus	1	Towelette	Hard Nonporous (HN)	Healthcare; Residential	No	03/26/2020
11346-6	Sodium hypochlorite	Clorox HS	The Clorox Company	Feline calicivirus; Norovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Residential	No	03/26/2020
1677-21	Quaternary ammonium	Mikro-Quat	Ecolab Inc	Feline calicivirus; Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare	No	03/26/2020
1677-216	Sodium chlorite	Exspor Base Concentration	Ecolab Inc	Feline calicivirus; Norovirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/26/2020
1839-174	Quaternary ammonium	Stepan Towelette	Stepan Company	Feline calicivirus; Norovirus	10	Towelette	Hard Nonporous (HN); Food Contact Post-Rinse Required	Healthcare; Institutional; Residential	No	03/26/2020

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							(FCR)			
1839-80	Quaternary ammonium	NP 12.5 Detergent/ Disinfectant	Stepan Company	Adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
1839-97	Quaternary ammonium	NP 12.5 (D&F) Detergent/ Disinfectant	Stepan Company	Adenovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
34810-21	Phenolic	Ready To Use Wex-Cide	Wexford Labs Inc	Rhinovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
3862-179	Phenolic	Opti-Phene	ABC Compounding Co Inc	Human adenovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
3862-181	Quaternary ammonium	Foaming Disinfectant Cleaner	ABC Compounding Co Inc	Poliovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
61178-2	Quaternary ammonium	Public Places	Microgen Inc	Feline calicivirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
63761-5	Quaternary ammonium; Sodium carbonate	Sterilex Ultra Powder	Sterilex	Feline calicivirus;	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	No	03/26/2020

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	peroxyhydrate			Norovirus			(HN)	Residential		
64240-44	Sodium hypochlorite	Soft Scrub with Bleach	Combat Insect Control Systems	Rhinovirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
64240-65	Lactic acid	WC Complete	Combat Insect Control Systems	Rhinovirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
675-30	Quaternary ammonium	Roccal II 10%	Reckitt Benckiser	Adenovirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/26/2020
6836-245	Quaternary ammonium	CSP-46	Lonza LLC	Feline calicivirus; Norovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
6836-333	Quaternary ammonium	MMR-4U	Lonza LLC	Feline calicivirus; Norovirus	10	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
6836-379	Quaternary ammonium	Nugen NR Disinfectant Wipes	Lonza LLC	Feline calicivirus; Norovirus	5	Towelette	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
70271-24	Sodium hypochlorite	Tecumseh B	KIK International	Feline calicivirus;	5	Dilutable	Hard Nonporous	Healthcare; Institutional;	No	03/26/2020

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			LLC	Norovirus			(HN)	Residential		
70590-1	Sodium hypochlorite	Hype-Wipe	Current Technologies Inc	Feline calicivirus; Norovirus	1	Towelette	Hard Nonporous (HN)	Healthcare; Institutional	No	03/26/2020
70627-33	Quaternary ammonium	Envy Liquid Disinfectant Cleaner	Diversey, Inc.	Canine parvovirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/26/2020
71847-2	Sodium dichloroisocyanurate	Klor-Kleen	Medentech LTD	Feline calicivirus; Norovirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/26/2020
777-102	Sodium hypochlorite	Lysol Brand Toilet Bowl Cleaner with Bleach	Reckitt Benckiser LLC	Rhinovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
777-104	Hypochloric acid	Vanity GP	Reckitt Benckiser LLC	Poliovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
777-71	Quaternary ammonium	Lysol Brand Foaming Disinfectant Basin Tub & Tile Cleaner II	Reckitt Benckiser LLC	Feline calicivirus; Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
84526-1	Hydrogen peroxide; Silver	HaloSpray	Halosil International Inc	Feline calicivirus; Norovirus	10	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
88089-2	Hydrogen peroxide; Peroxyacetic acid	Peridox	BioMed Protect LLC	Feline calicivirus; Norovirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020

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88089-4	Hydrogen peroxide; Peroxyacetic acid	PeridoxRTU	BioMed Protect LLC	Canine parvovirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
88494-2	Ethyl alcohol; Quaternary Ammonium	Wedge Disinfectant Wipes	North American Infection Control Ltd	Poliovirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/26/2020
9480-11	Quaternary ammonium	BackSpray RTU	Professional Disposables International Inc	Feline calicivirus; Norovirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/26/2020
10324-59	Quaternary ammonium	Maquat 64	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/19/2020
777-128	Quaternary ammonium	Lysol® Laundry Sanitizer	Reckitt Benckiser	Human coronavirus	5	Dilutable (laundry pre-soak only)	Porous (P) (laundry presoak only)	Residential	No	03/19/2020
10324-105	Quaternary ammonium	Maquat 128 PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-108	Quaternary ammonium	Maquat 256-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-112	Quaternary ammonium	Maquat 128-MN	Mason Chemical	Human coronavirus	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	No	03/13/2020

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			Company				(HN); Food Contact Post-Rinse Required (FCR)	Residential		
10324-113	Quaternary ammonium	Maquat 64-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-114	Quaternary ammonium	Maquat 32-MN	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-115	Quaternary ammonium	Maquat 750-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-117	Quaternary ammonium	Maquat 710-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No	03/13/2020
10324-140	Quaternary ammonium	Maquat MQ2525M-CPV	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	No	03/13/2020

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10324-141	Quaternary ammonium	Maquat 256-NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Post-Rinse Required (FCR) Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-142	Quaternary ammonium	Maquat MQ2525M-14	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-154	Quaternary ammonium	Maquat 64-NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-155	Quaternary ammonium	Maquat 128-NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-156	Quaternary ammonium	Maquat 512-NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-157	Quaternary ammonium	Maquat 32-NHQ	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-164	Quaternary ammonium	Maquat 256 PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-166	Quaternary ammonium	Maquat 32	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food	Healthcare; Institutional; Residential	No	03/13/2020

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10324-167	Quaternary ammonium	Maquat 32 PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Post-Rinse Required (FCR) Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-177	Quaternary ammonium	Maquat 705-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No	03/13/2020
10324-194	Quaternary ammonium	Maquat 2420-10	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-198	Quaternary ammonium	Maquat 702.5-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No	03/13/2020
10324-214	Hydrogen peroxide; Peroxyacetic acid	Maguard 5626	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-230	Hydrogen peroxide; Peroxyacetic acid	Maguard 1522	Mason Chemical Company	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-57	Quaternary ammonium	Maquat 42	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020

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10324-58	Quaternary ammonium	Maquat 128	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-63	Quaternary ammonium	Maquat 10	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-71	Quaternary ammonium	Maquat 280	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-72	Quaternary ammonium	Maquat 615-HD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-80	Quaternary ammonium	Maquat 5.5-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-81	Quaternary ammonium	Maquat 7.5-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Porous (P) (laundry presoak only)	Healthcare; Institutional; Residential	No	03/13/2020
10324-85	Quaternary ammonium	Maquat 86-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020

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10324-93	Quaternary ammonium	Maquat 64-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10324-94	Quaternary ammonium	Maquat 20-M	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-96	Quaternary ammonium	Maquat 50-DS	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
10324-99	Quaternary ammonium	Maquat 10-PD	Mason Chemical Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10492-4	Quaternary ammonium; Isopropanol	Discide Ultra Disinfecting Towelettes	Palmero Healthcare LLC	Human coronavirus	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
10492-5	Quaternary ammonium; Isopropanol	Discide Ultra Disinfecting Spray	Palmero Healthcare LLC	Human coronavirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
11346-4	Quaternary ammonium	Clorox QS	The Clorox Company	Human coronavirus	2	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Residential	No	03/13/2020

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1672-65	Sodium hypochlorite	Austin A-1 Ultra Disinfecting Bleach	James Austin Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
1672-67	Sodium hypochlorite	Austin's A-1 Concentrated Bleach 8.25%	James Austin Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
1677-204	Octanoic acid	65 Disinfecting Heavy Duty Acid Restroom Cleaner	Ecolab Inc	Human coronavirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
1677-241	Sodium hypochlorite	Hydris	Ecolab Inc	Human coronavirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
1839-167	Quaternary ammonium	BTC 885 Neutral Disinfectant Cleaner-256	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
1839-168	Quaternary ammonium	BTC 885 NDC-32	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
1839-169	Quaternary ammonium	BTC 885 Neutral Disinfectant Cleaner-64	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required	Healthcare; Institutional; Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(FCR)			
1839-176	Quaternary ammonium	Liquid-pak Neutral Disinfectant Cleaner	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
1839-190	Quaternary ammonium	Stepan Disinfectant Wipe	Stepan Company	Human coronavirus	10	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
1839-214	Quaternary ammonium	SC-NDC-256	Stepan Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
1839-78	Quaternary ammonium	NP 3.2 Detergent/disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
1839-79	Quaternary ammonium	NP 4.5 Detergent/disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
1839-81	Quaternary ammonium	NP 9.0	Stepan	Human	10	Dilutable	Hard	Healthcare;	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Detergent/disinfectant	Company	coronavirus			Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential		
1839-94	Quaternary ammonium	NP 3.2 (D & F) Detergent/disinfectant	Stepan Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
3862-191	Quaternary ammonium	Assure	ABC Compounding Co Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
4091-23	Sodium hypochlorite; Sodium carbonate	Mold Armor Formula 400	W.M. Barr & Company Inc	Human coronavirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
42964-17	Quaternary ammonium; Ethanol	Asepticare	Airkem professional products	Human coronavirus	2	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
46781-6	Quaternary ammonium; Isopropanol	Cavicide	Metrex Research	Human coronavirus	2	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
4822-548	Triethylene glycol; Quaternary ammonium	Combo	S.C. Johnson & Son Inc	Human coronavirus	5	Pressurized liquid	Hard Nonporous (HN)	Residential	No	03/13/2020
4822-606	L-Lactic Acid	Fangio	S.C. Johnson & Son Inc	Human coronavirus	10	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
4822-607	Quaternary ammonium	Lauda	S.C. Johnson & Son Inc	Human coronavirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse	Institutional; Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							Required (FCR)			
4822-608	L-Lactic acid	Gurney	S.C. Johnson & Son Inc	Human coronavirus	5	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
4822-609	Quaternary ammonium	Stewart	S.C. Johnson & Son Inc	Human coronavirus	3	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
4822-613	Quaternary ammonium	Gertrude	S.C. Johnson & Son Inc	Human coronavirus	5	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Residential	No	03/13/2020
54289-4	Peroxyacetic acid	Peraclean 15 (Peroxyacetic Acid Solution)	Evonik Corporation	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
56392-10	Sodium hypochlorite	Caltech Swat 200 9B	Clorox Professional Products Company	Human coronavirus	2	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/13/2020
5813-103	Sodium hypochlorite	Cgb3	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
5813-104	Sodium hypochlorite	Cgb4	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
5813-106	Sodium hypochlorite	Axl	The Clorox	Human	1	RTU	Hard	Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
			Company	coronavirus			Nonporous (HN)			
5813-50	Sodium hypochlorite	Ultra Clorox Brand Regular Bleach	The Clorox Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
5813-73	Quaternary ammonium	Clorox Everest	The Clorox Company	Human coronavirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
5813-86	Glycolic acid	CBW	The Clorox Company	Human coronavirus	10	Impregnated materials	Hard Nonporous (HN)	Residential	No	03/13/2020
5813-93	Glycolic acid	Show	The Clorox Company	Human coronavirus	10	Impregnated materials	Hard Nonporous (HN)	Residential	No	03/13/2020
5813-98	Sodium hypochlorite	Lite	The Clorox Company	Human coronavirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Institutional; Residential	No	03/13/2020
5813-99	Sodium hypochlorite	Wave	The Clorox Company	Human coronavirus	1	Wipe	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
61178-1	Quaternary ammonium	D-125	Microgen Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
61178-5	Quaternary ammonium	CCX-151	Microgen Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
6198-4	Quaternary ammonium	Q. A. Concentrated	National Chemicals Inc	Human coronavirus	10	Dilutable	Hard Nonporous	Healthcare; Institutional;	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
		Solution					(HN); Food Contact Post-Rinse Required (FCR)	Residential		
62472-2	Quaternary ammonium	Kennelsol HC	Alpha Tech Pet Inc.	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
67619-10	Quaternary ammonium	CPPC Everest	Clorox Professional Products Company	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
67619-11	Sodium hypochlorite	CPPC Shower	Clorox Professional Products Company	Human coronavirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
67619-13	Sodium hypochlorite	CPPC Storm	Clorox Professional Products Company	Human coronavirus	1	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
67619-27	Sodium hypochlorite	Buster	Clorox Professional Products Company	Human coronavirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
67619-28	Sodium hypochlorite	Milo	Clorox Professional Products Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
67619-8	Sodium hypochlorite	CPPC Ultra Bleach 2	Clorox Professional Products Company	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
6836-336	Quaternary ammonium	Lonza Disinfectant Wipes Plus	Lonza LLC	Human coronavirus	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
6836-372	Quaternary ammonium	Nugen 2m Disinfectant Wipes	Lonza LLC	Human coronavirus	2	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
6836-381	Quaternary ammonium	Lonzagard R-82G	Lonza LLC	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
6836-382	Quaternary ammonium	Nugen Low Streak Disinfectant Wipes	Lonza LLC	Human coronavirus	4	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
70590-2	Sodium hypochlorite	Bleach-rite Disinfecting Spray With Bleach	Current Technologies Inc	Human coronavirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
70627-15	Quaternary ammonium	Warrior	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
70627-2	Quaternary ammonium	Disinfectant D.C. 100	Diversey Inc	Human coronavirus	2	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/13/2020
70627-23	Quaternary ammonium	Virex II/ 64	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/13/2020
70627-6	Phenolic	Phenolic Disinfectant HG	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional	No	03/13/2020
70627-62	Hydrogen peroxide	Phato 1:64 Disinfectant Cleaner	Diversey Inc	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
70627-63	Quaternary ammonium	512 Sanitizer	Diversey Inc	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
70627-75	Sodium hypochlorite	Avert Sporidical Disinfectant Cleaner Wipes	Diversey Inc	Human coronavirus	1	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
70627-78	Hydrogen peroxide	Suretouch	Diversey Inc	Human coronavirus	5	RTU	Hard Nonporous	Healthcare; Institutional	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
							(HN)			
72977-3	Silver ion; Citric acid	Axen(R) 30	ETI H2O Inc	Human coronavirus	3	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
72977-5	Silver ion; Citric acid	Sdc3a	ETI H2O Inc	Human coronavirus	1	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
74559-6	Hydrogen peroxide	Oxy-res (Concentrate)	Virox Technologies Inc	Human coronavirus	5	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
74559-8	Hydrogen peroxide	Accel 5 RTU	Virox Technologies Inc	Human coronavirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
777-136	Ethanol	Lysol Neutra Air® 2 in 1	Reckitt Benckiser	Human coronavirus	0.5 (30 seconds)	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
74986-4	Sodium chlorite	Selectrocide 2L500	Selective Micro Technologies LLC	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
74986-5	Sodium chlorite	Selectrocide 5g	Selective Micro Technologies LLC	Human coronavirus	10	Solid	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
777-130	Quaternary ammonium	Caterpillar	Reckitt Benckiser	Human coronavirus	2.5 (2 minutes & 30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
8383-14	Hydrogen peroxide; Peroxyacetic acid	PeridoxRTU (Brand) One-step Germicidal Wipes	Contec Inc	Human coronavirus	0.5 (30 seconds)	Wipe	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
777-66	Quaternary ammonium	Lysol® Brand All Purpose Cleaner	Reckitt Benckiser	Human coronavirus	2	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
777-82	Quaternary ammonium	Lysol Brand Deodorizing Disinfectant Cleaner	Reckitt Benckiser	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
777-91	Quaternary ammonium	Lysol® Kitchen Pro Antibacterial Cleaner	Reckitt Benckiser	Human coronavirus	2	RTU	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020
8383-12	Hydrogen peroxide; Peroxyacetic acid	Peridox	Contec Inc	Human coronavirus	2	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional	No	03/13/2020
8383-7	Phenolic	Sporicidin (Brand) Disinfectant Towelettes	Contec Inc	Human coronavirus	5	Wipe	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
85343-1	Quaternary ammonium	Teccare Control	Talley Environmental Care Limited	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
88494-1	Quaternary ammonium; Ethanol	Wedge Disinfectant	North American Infection Control LTD	Human coronavirus	1	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Follow the disinfection directions and preparation for the following virus	Contact Time (in minutes)	Formulation Type	Surface Type	Use Site	Emerging Viral Pathogen Claim?	Date Added to List N
89896-2	Hypochlorous acid	Cleansmart	Simple Science Limited	Human coronavirus	10	RTU	Hard Nonporous (HN); Food Contact No Rinse (FCNR)	Healthcare; Institutional; Residential	No	03/13/2020
89900-1	Hydrogen peroxide	Nathan 2	S.C. Johnson Professional	Human coronavirus	5	RTU	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
90287-1	Quaternary ammonium	Maquat 25.6-PDX	VI-JON INC	Human coronavirus	10	Dilutable	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
9402-14	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Spray	Kimberly-Clark Global Sales LLC	Human coronavirus	5	RTU	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
9402-15	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Victor Spray	Kimberly-Clark Global Sales LLC	Human coronavirus	5	Pressurized liquid	Hard Nonporous (HN)	Healthcare; Institutional; Residential	No	03/13/2020
9402-17	Hydrogen peroxide; Ammonium carbonate; Ammonium bicarbonate	Hitman Wipe	Kimberly-Clark Global Sales LLC	Human coronavirus	6	Wipe	Hard Nonporous (HN)	Institutional; Residential	No	03/13/2020
9480-5	Quaternary ammonium	Sani-cloth Germicidal Disposable Cloth	Professional Disposables International Inc	Human coronavirus	3	Wipe	Hard Nonporous (HN); Food Contact Post-Rinse Required (FCR)	Healthcare; Institutional; Residential	No	03/13/2020

EDUCATIONAL POSTERS AND SIGNS

In this section are informational PDFs to be used as posters and signs that can be placed around the workplace. Please refer to the Environmental Assessment and Recommendations for recommended locations to place these informational PDFs.



COVID-19

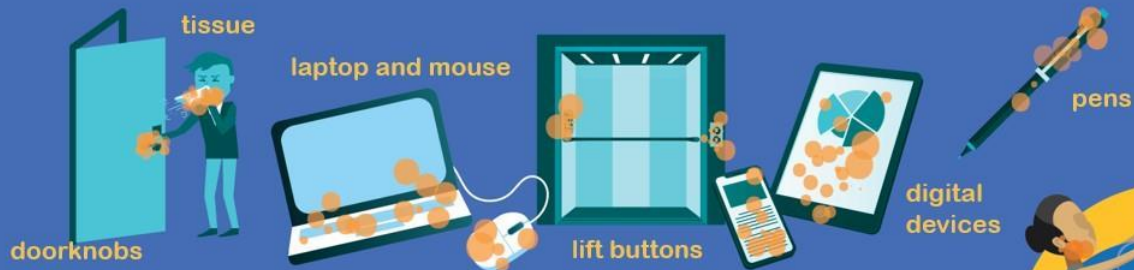
Know The Facts

COVID-19 spreads primarily from person to person



- Droplets released when someone sick sneezes or coughs can land on the mouths or noses of people nearby
- Close contact with someone sick – like hugging or shaking hands

COVID-19 mainly spreads from person to person But it can also be left on objects and surfaces...



So if you touch something contaminated and then touch your face or another's face, you might all fall ill.



Reduce your risk of COVID-19



Clean your hands often

Cough or sneeze in your bent elbow – not your hands!



Avoid touching your eyes, nose and mouth

Limit social gatherings and time spent in crowded places



Avoid close contact with someone who is sick

Clean and disinfect frequently touched objects and surfaces



How to Handrub?

RUB HANDS FOR HAND HYGIENE! WASH HANDS WHEN VISIBLY SOILED



Duration of the entire procedure: 20-30 seconds

1a

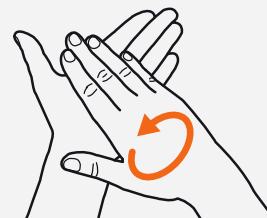


Apply a palmful of the product in a cupped hand, covering all surfaces;

1b

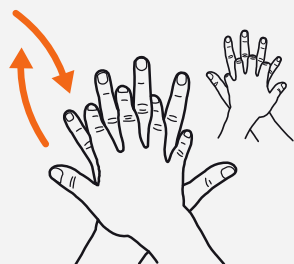


2



Rub hands palm to palm;

3



Right palm over left dorsum with interlaced fingers and vice versa;

4



Palm to palm with fingers interlaced;

5



Backs of fingers to opposing palms with fingers interlocked;

6



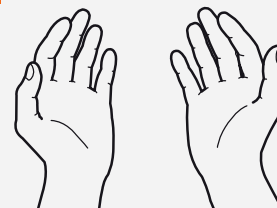
Rotational rubbing of left thumb clasped in right palm and vice versa;

7



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa;

8



Once dry, your hands are safe.



World Health Organization

Patient Safety

A World Alliance for Safer Health Care

SAVE LIVES

Clean Your Hands

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WHO acknowledges the Hôpitaux Universitaires de Genève (HUG), in particular the members of the Infection Control Programme, for their active participation in developing this material.

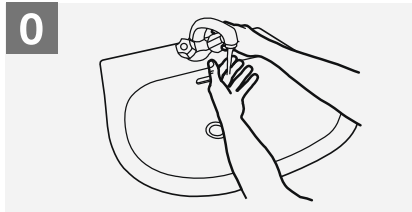
May 2009

How to Handwash?

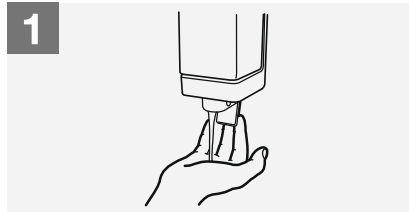
WASH HANDS WHEN VISIBLY SOILED! OTHERWISE, USE HANDRUB



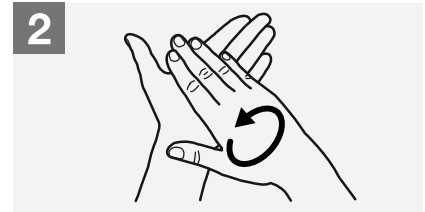
Duration of the entire procedure: 40-60 seconds



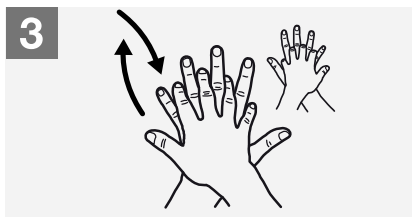
Wet hands with water;



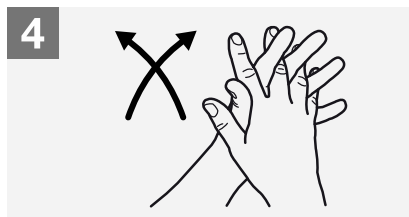
Apply enough soap to cover all hand surfaces;



Rub hands palm to palm;



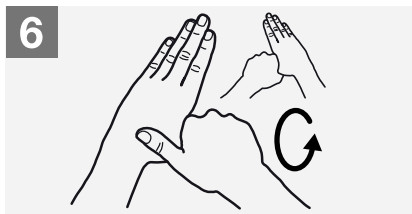
Right palm over left dorsum with interlaced fingers and vice versa;



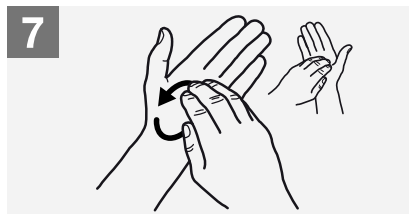
Palm to palm with fingers interlaced;



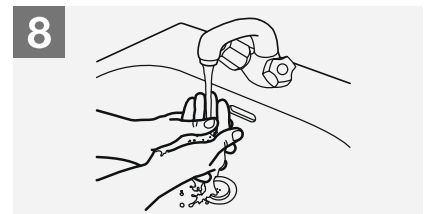
Backs of fingers to opposing palms with fingers interlocked;



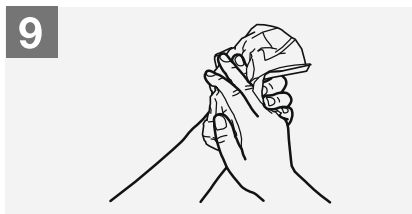
Rotational rubbing of left thumb clasped in right palm and vice versa;



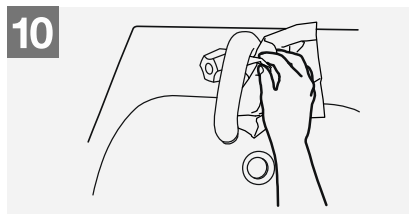
Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa;



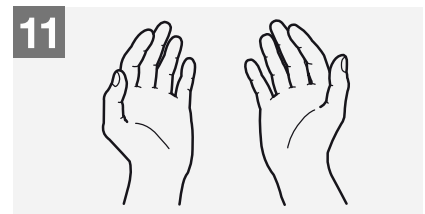
Rinse hands with water;



Dry hands thoroughly with a single use towel;



Use towel to turn off faucet;



Your hands are now safe.



World Health Organization

Patient Safety

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SAVE LIVES

Clean Your Hands

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WHO acknowledges the Hôpitaux Universitaires de Genève (HUG), in particular the members of the Infection Control Programme, for their active participation in developing this material.

May 2009

Reduce your risk of COVID-19



Clean your hands often

**Cough or sneeze in
your bent elbow –
not your hands!**



**Avoid touching your eyes,
nose and mouth**

**Limit social gatherings
and time spent in
crowded places**



**Avoid close contact with
someone who is sick**

**Clean and disinfect
frequently touched
objects and surfaces**



Prevent the spread of COVID-19 if you are sick

Accessible version: <https://www.cdc.gov/coronavirus/2019-ncov/if-you-are-sick/steps-when-sick.html>

If you are sick with COVID-19 or think you might have COVID-19, follow the steps below to help protect other people in your home and community.

Stay home except to get medical care.

- **Stay home.** Most people with COVID-19 have mild illness and are able to recover at home without medical care. Do not leave your home, except to get medical care. Do not visit public areas.
- **Take care of yourself.** Get rest and stay hydrated.
- **Get medical care when needed.** Call your doctor before you go to their office for care. But, if you have trouble breathing or other concerning symptoms, call 911 for immediate help.
- **Avoid public transportation, ride-sharing, or taxis.**



Separate yourself from other people and pets in your home.

- **As much as possible, stay in a specific room** and away from other people and pets in your home. Also, you should use a separate bathroom, if available. If you need to be around other people or animals in or outside of the home, wear a cloth face covering.
 - See COVID-19 and Animals if you have questions about pets: <https://www.cdc.gov/coronavirus/2019-ncov/faq.html#COVID19animals>



Monitor your symptoms.

- **Common symptoms of COVID-19 include fever and cough.** Trouble breathing is a more serious symptom that means you should get medical attention.
- **Follow care instructions from your healthcare provider and local health department.** Your local health authorities will give instructions on checking your symptoms and reporting information.



If you develop **emergency warning signs** for COVID-19 get **medical attention immediately.**

Emergency warning signs include*:

- Trouble breathing
- Persistent pain or pressure in the chest
- New confusion or not able to be woken
- Bluish lips or face

*This list is not all inclusive. Please consult your medical provider for any other symptoms that are severe or concerning to you.

Call 911 if you have a medical emergency. If you have a medical emergency and need to call 911, notify the operator that you have or think you might have, COVID-19. If possible, put on a facemask before medical help arrives.

Call ahead before visiting your doctor.

- **Call ahead.** Many medical visits for routine care are being postponed or done by phone or telemedicine.
- **If you have a medical appointment that cannot be postponed, call your doctor's office.** This will help the office protect themselves and other patients.



If you are sick, wear a cloth covering over your nose and mouth.

- **You should wear a cloth face covering over your nose and mouth** if you must be around other people or animals, including pets (even at home).
- You don't need to wear the cloth face covering if you are alone. If you can't put on a cloth face covering (because of trouble breathing for example), cover your coughs and sneezes in some other way. Try to stay at least 6 feet away from other people. This will help protect the people around you.



Note: During the COVID-19 pandemic, medical grade facemasks are reserved for healthcare workers and some first responders. You may need to make a cloth face covering using a scarf or bandana.

