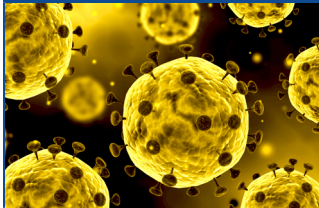


SARS-CoV-2 (COVID-19)

Overview












SARS-CoV-2 is a novel coronavirus that is responsible for causing the COVID-19 infection. First reported in Wuhan, China in late 2019, the outbreak quickly spread throughout the world. The World Health Organization declared the novel coronavirus a pandemic on March 11, 2020. COVID-19 most often causes respiratory symptoms that can feel much like a cold, the flu, or pneumonia.¹ Most people infected have mild symptoms, but some people, especially older adults and those with underlying medical conditions, can become severely ill. COVID-19 is very contagious and can spread quickly as droplets and very small particles containing the virus are breathed out by an infected person.¹ COVID-19 is a leading cause of death in the U.S.² and over one million people having died.¹

About the Pathogen & Infection Control Measures

Infectious Agent (Pathogen) ^{3,4}	Agent Type: Virus Taxonomy: ▶ Family: Coronaviridae ▶ Genus: <i>Betacoronavirus</i>	▶ Species: Severe acute respiratory syndrome coronavirus (SARS), designated SARS-CoV-2 ▶ Strain: Alpha, Beta, Delta, and Omicron Synonym(s): COVID-19 Characteristics: enveloped virus, constantly mutating resulting in new strains or variants of the virus
Infectious Characteristics Definitions: ▶ Incubation period—the time from exposure to infection with symptoms. ▶ Period of communicability—time when a pathogen can be transmitted from one person to another. ▶ Mortality rate—the number of deaths due to a disease divided by the total population.	Risk factors for severe infection: ¹ Incubation period: ⁵ Period of communicability: ⁶ Signs & symptoms: ⁷ Duration of illness: ¹ Severity of illness and Mortality Rate: ^{8,9}	▶ Older adults (65+ years old) ▶ Immunocompromised individuals ▶ Individuals with disabilities or chronic medical conditions 2–14 days with an average of ~6 days. From 2 days before symptom onset to ~10 days afterward. This includes people without symptoms. Immunocompromised persons can remain infectious up to 20 days. Many people will have no symptoms. Those with symptoms may experience: ▶ Fever, chills ▶ Cough ▶ Shortness of breath or difficulty breathing ▶ Fatigue ▶ Muscle aches ▶ Headache ▶ New loss of taste or smell ▶ Congestion, runny nose ▶ Sore throat ▶ Nausea, vomiting, diarrhea ▶ Skin rashes Typical infection resolves within a few days to a week; however, some develop post-COVID conditions known as “Long COVID” which can last for weeks, months, or even years after infection. Disease can range from no symptoms (asymptomatic) to severe. The mortality rate is approximately 1.1%.
Mode(s) of Transmission ¹ How the Infection Spreads	Droplet and Contact: Primarily through breathing in small droplets or particles that contain the virus, or when they land on eyes, nose or mouth through splashes, sprays-like coughs, or sneezes. Indirect transmission occurs less frequently from contact with respiratory secretions or contaminated surfaces, followed by touching eyes, nose or mouth.	
Survival on Surfaces ¹⁰	4 hours to 8 days	
Immunization/Prophylaxis/Treatment ¹¹	Vaccination is available and recommended for prevention of illness and severe disease. Over-the-counter medications and antiviral treatments can help to treat mild to moderate infections.	
Infection Control Measures	General Measures For All Spaces (commercial buildings, K–12 schools, healthcare): ^{12,13} ▶ Get vaccinated and stay up to date on COVID-19 vaccines. ▶ Wear masks indoors in areas where transmission is high of if symptomatic. High risk individuals and those traveling should also consider masking. ▶ Perform frequent hand hygiene by washing hands with soap and water or using alcohol-based hand sanitizer. ▶ Practice respiratory hygiene and cough etiquette (e.g., covering coughs and sneezes). ▶ Stay home when ill. Encourage those who are sick to stay home and limit contact with others. Develop non-punitive sick leave policies. ▶ Improve building ventilation.	Healthcare-Specific Measures: ^{14,15} ▶ Isolation Precautions: Place patient with suspected or confirmed infection in a single-person room and keep door closed. Cohorting COVID-19 patients is acceptable but consider presence of MDROs or other communicable disease status. Use Contact and Droplet precautions until symptoms resolve or until they meet the specific criteria to end isolation. ▶ PPE: Respirator (N95 or higher), gown, gloves, and eye protection (i.e., goggles or a face shield that covers the front and sides of the face). ▶ Patient Transport: Limit transport and movement of patient. Patient should wear a well-fitting mask and the transporter’s PPE should be in accordance with facility policy. ▶ Linens: Per routine. ▶ Waste management: Per routine. ▶ Other: Aerosol-Generating Procedures (AGPs) should be performed cautiously (in an airborne isolation room, if possible) and avoided if appropriate alternatives exist.
Cleaning & Disinfection ⁸	Perform regular cleaning and disinfection of high-touch surfaces and objects using an EPA-registered disinfectant approved for use against SARS-CoV-2, such as products listed on EPA List N.	

Clorox Product Recommendations

The following CloroxPro cleaner-disinfectants can be used to effectively manage SARS-CoV-2 on environmental surfaces and equipment.

Products for use against SARS-CoV-2		EPA Reg. No.	SARS-CoV-2 contact time
Clorox Clorox EcoClean™ Disinfecting Cleaner and Refill Item No. 60213 9/32 oz. Spray Item No. 60094 4/128 oz. Refill		67619-45	30 seconds
CloroxPro® Clorox® Germicidal Bleach Item No. 30966 3/121 fl. oz. Bottle		67619-32	5 minutes
CloroxPro® Clean-Up® Disinfectant Cleaner with Bleach Item No. 35417 9/32 fl. oz. Spray Item No. 35420 4/128 oz. Refill		67619-17	30 seconds
CloroxPro® Clorox® Disinfecting Wipes Item No. 15949 Fresh Scent Wipes, 6/75 ct. Item No. 15948 Lemon Scent Wipes, 6/75 ct. Item No. 31547 Fresh Scent Wipes, 1/700 ct. bucket Item No. 31428 Fresh Scent Wipes, 2/700 ct. refill		67619-31	15 seconds
CloroxPro® Clorox® Disinfecting Bio Stain & Odor Remover Item No. 31903 9/32 fl. oz. Spray Item No. 31910 4/128 oz. Refill		67619-33	30 seconds
Clorox Healthcare® Bleach Germicidal Wipes Item No. 30577 6" x 5" Wipes Canister 6/150 ct. Item No. 35309 6.75" x 9" Wipes Canister 6/70 ct. Item No. 32621 6.75" x 9" Wipes Softpack 9/100 ct. Item No. 31424 6.75" x 9" Individual Wipes 6/50 ct. Item No. 30358 12" x 12" Wipes Bucket 2/110 ct. Item No. 30359 12" x 12" Wipes Bucket Refill 2/110 ct.		67619-12	1 minute
Clorox Healthcare® VersaSure® Cleaner Disinfectant Wipes 6.75" x 8" Multi-purpose Wipes, 6/85 ct., Item No. 31757 6" x 5" Multi-purpose Wipes, 6/150 ct., Item No. 31758 12" x 12" Terminal Wipes, 2/110 ct., Item No. 31759 12" x 12" Terminal Wipes Refill, 2/110 ct., Item No. 31761		56392-7	1 minute
Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes Item No. 30824 6.75" x 9" Wipes Canister 6/95 ct. Item No. 30825 6.75" x 5.75" Wipes Canister 6/155 ct. Item No. 30826 12" x 11" Wipes Bucket 2/185 ct. Item No. 30827 12" x 11" Wipes Bucket Refill 2/185 ct.		67619-25	30 seconds
Clorox Healthcare® Fuzion® Cleaner Disinfectant Item No. 31478 9/32 fl. oz. Spray		67619-30	1 minute

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