

# Navigating the 2020 Pandemic in Chicago

## What does it all mean?

### VIRUS

A virus is a microscopic biological intruder. Viruses are not alive-- but they are not exactly dead. A virus is made of pieces of RNA and sometimes DNA which contain codes to replicate themselves and disrupt normal cell processes inside of their host.

### CORONAVIRUS

Much like animal species, viruses can be grouped into categories based on shared traits. Coronaviruses are one of these virus categories, and include the viruses which cause SARS and COVID-19

### COVID-19

Stands for Coronavirus Disease 2019 and refers to the potentially fatal disease which is caused by the specific type of coronavirus currently known as 2019-nCoV

### 2019 NOVEL CORONAVIRUS (2019-nCoV)

2019 Novel Coronavirus, or 2019-nCoV for short, is the name for the specific coronavirus which emerged China's Hubei province in late 2019. This virus is the cause of COVID-19, and is responsible for the great pandemic of 2020.

## What can I do to prevent 2019-nCoV infection?

For virus prevention during a pandemic, it is recommended to clean all common areas and bathrooms using CDC-approved methods once every 2 hours. For offices and other private spaces, a twice daily cleaning is recommended.

If 2019-nCoV has been identified in your building, you should immediately isolate the affected area and alert a virus disinfection specialist who can clean the area safely.

## Are there any other options?

At this time, only manual cleaning methods are approved by CDC. Disinfection sprays and preventative surface treatments have not been proven to kill 2019-nCoV, and many of the chemicals currently being used by contractors are not recognized by the CDC as effective or sufficient.

Additional virus prevention and disinfection treatments are available which are likely effective against 2019-nCoV but cannot be advertised as such until peer-reviewed studies are released detailing their effects on this very new virus. These studies take time.

Such treatments are generally more cost-effective than manual cleaning, and include;

-Spray application of virucidal agents

-Electrostatic application of virustatic barriers which bond permanently to solid surfaces and destroy viruses mechanically at the microscopic level

-UV-C Wavelengths between 207-222nm, which kill viruses on contact yet are harmless to human and other mammals. This treatment will not be available until late April, 2020 at the earliest.

## Who can help me?

### HEPA can.

Our staff is fully trained and certified to work safely around 2019-nCoV and prevent the spread of the virus using the latest methods approved by the Centers for Disease Control (CDC)

We provide both infection prevention cleaning service, and disinfection for confirmed cases of 2019-nCoV.

## Get in touch with us for more information:

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NO RESIDENTIAL SERVICE.

Please have ready the approximate square footage of the area you need cleaned.

# HEPA, Inc.

ASBESTOS & LEAD ABATEMENT  
VIRUS & MOLD REMEDIATION  
INTERIOR DEMOLITION

