

KNOW THE ENEMY

NOROVIRUS CLEANING FOR HEALTH

A quick overview of Norovirus and Cross-Contamination

PUR-O-ZONE

7 FAST FACTS ABOUT THE ENEMY, NOROVIRUS

- Norovirus causes serious inflammation of the stomach or intestines, or both. The onset is acute, or very rapid and often very intense.
- As few as 18 particles of the virus can cause infection.
- Known as the "cruise-ship virus," it has caused many ships to return to port. But it is most common in assisted living facilities.
- *Norovirus* spreads easily *and* rapidly. The incubation period after ingestion is 12 to 48 hours, with an average of about 33 hours.
- People with this illness remain infectious for up to a few days after their symptoms improve.
- Standard bleach is often recommended by health departments for disinfection, but a number of safer options are also available.
- There is no drug to treat norovirus (gastric enteritis).



NOROVIRUS IS A VIRAL INFECTION WITHOUT A DRUG FOR TREATMENT

▶ 19-21 million cases

 #1 cause of vomiting or diarrhea attacks caused by contact with contaminated surfaces or direct contact with infected host.

▶ 400,000 ER visits/year

- 1.8 million outpatient visits to doctors
- 56,000-71,000 hospitalizations
- 570-800 deaths, mostly children and elderly



HOW NOROVIRUS IS OFTEN TRANSMITTED

- Skin-to-skin (animate, direct contact)
 - Hand-to-hand then transferred to the mouth or food where it can be ingested

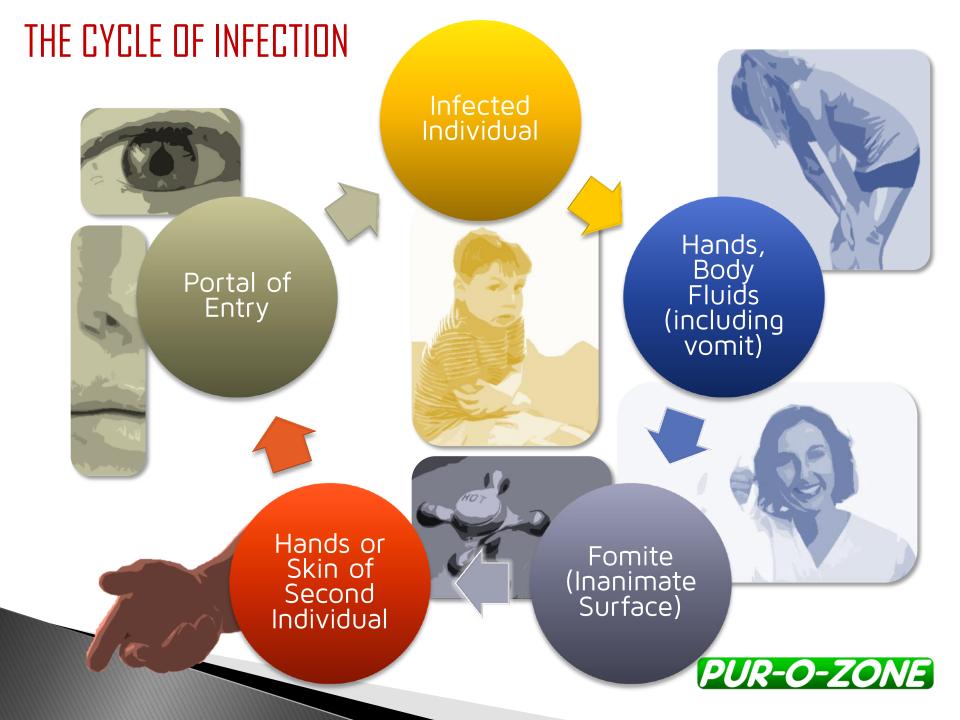
- Skin-to-inanimate surface-to-skin (transfer via a "fomite")
 - Contact with handles, laundry, or other points where people share the exact same touchpoint
 - Ingestion of foods contaminated by hands (or naturally contaminated)

STOPPING THE CYCLE OF INFECTION

THE CROSS-CONTAMINATION CYCLE

How infection moves from one host to a fomite and to another host







Attention.

No drugs

effective.

Infected Individual

BREAKING POINTS FOR THE CYCLE OF INFECTION

Portal of Entry



Break Cycle cost effectively with Cleaning & Disinfection

Hands, Body Fluids (Including Vomit)



Break Cycle with Hand Washing or Sanitizing



Break Cycle with Hand Washing or Sanitizing

Hands or Skin of Second Individual



Fomite (Inanimate Surface)

COMMON FOMITES ("TOUCHPOINTS") OF CROSS-CONTAMINATION

- Handles
- Sinks
- Toilet seats
- Bar soap
- Desks
- Phones
- Keyboards
- Pens, pencils
- Door knobs

- Wrestling mats
- Shower towels
- Shared equipment
- Exercise bikes
- Countertops
- Cafeteria tables
- Changing stations
- Toys
- Playgrounds



COMMON "PORTALS OF ENTRY" FOR VARIOUS INFECTIONS



- Mouth
- Cuts
- Abrasions/scrapes
- Puncture wounds
- Eyes
- Nose
- Other "mucous membranes"
- Surgical incisions



WHEN OUTBREAKS OF VARIOUS KINDS

OCCUR, BE PREPARED.

Instead, work from a plan you have on hand.

PUR-O-ZONE can provide you assistance from our TOTAL RESPONSE aids.

















WIDE-NET CARPET EXTRACTION/DISINFECTION - Clean and extract all carpets using Re-Juv-Nal broad-spectrum hospital-grade disinfectant. Re-perform this duty once or twice a week until infection potential has returned to normal.



TOUCHPOINT CLEANING/DISINFECTION REGIMEN - Institute program of cleaning and disinfecting common touchpoints list. (Touchpoints are areas of highest common contact in building, often including desks, counters, cafeteria surfaces, keyboards, shared office equipment, door knobs and bars.) Perform this function daily.



DRY-FOG SANITIZE ROOMS INDIVIDUALLY – Use Sani-Guard foggers after clearing rooms of occupants. Remove all food and consumables or cover tightly. Use PPE (Personal Protective Equipment) as recommended. All room surfaces will be contacted for area-wide sanitizing. Perform this function weekly until infection



RESTORATIVE-LEVEL RESTROOM DISINFECTION - Follow restoration-level restroom cleaning processes, using Re-Juv-nal for high-level, broad-spectrum control of pathogens. Perform this function daily until infection potential has



CLEAN/DISINFECT ALL EQUIPMENT/MATERIALS - Clean equipment, then use disinfection procedures for all tanks and surfaces. Launder all cleaning mops, cloths and pads at sanitizing temperature, and/or add a disinfectant. Perform this function per cleaning event.



TOTAL RESPONSET BASIC STEPS

1



Treat Fomites Effectively

- Chemistry
- Documented Process

2



Break Cross-Contamination Cycles

- Clean/Disinfect Touchpoints (Fomites)
- Eliminate Handles on Dispensers (automatic)

8



Provide Personal Hygiene Opportunities

- Hand Sanitizer Stations and Hand Washing
- Handwashing Reminders/Posters

4



Protect Custodial Staff

- No-Touch Cleaning
- Personal Protective Gear

TOTAL RESPONSE™ FOMITE TREATMENT LIST

Animate

Fomites (inanimate)

Body Parts and Fluids

Handles

Common Contact Touchpoints

Laundry and Warewash

- Skin
- Hands
- Blood
- Draining Wounds
- Bandages

- Door handles
- Dispenser handles
- Sink handles
- Flush handles
- Feminine hygiene receptacles

- Wrestling mats
- Counters
- Desks
- Toilets
- Sinks
- Keyboards
- Phones

- Bedding
- Gym towels
- Uniforms and personal clothing
- Table rags, mops
- Silverware
- Plates, pots and pans
- Other utensils

EXAMPLE

(Create your Own Treatment List)

PUR-O-ZONE

PROTECTING THE TEAM THAT CARES FOR YOUR FACILITY



1. Educate



Treat Fomites Effectively

- Chemistry
- Documented Process





Break Cross-Contamination Cycles

- Clean/Disinfect Touchpoints (Fomites)
 Eliminate Handles on Dispensers (automatic)
- 8



Provide Personal Hygiene Opportunities

- Hand Sanitizer Stations and Hand Washing
 Handwashing Reminders/Posters
- 4



Protect Custodial Staff

- No-Touch Cleaning
- Personal Protective Gea

- 2. Personal Protective Equipment
- 3. No-Touch Cleaning Systems



WE ARE ALWAYS HERE TO HELP YOU CLEAN BETTER.

1. EDUCATE CUSTODIANS ABOUT HOW TO BREAK THE CROSS-CONTAMINATION CYCLE



WE ARE ALWAYS HERE
TO HELP YOU CLEAN BETTER.

2. REVIEW PRODUCT LABELS & CREATE A WRITTEN PPE POLICY

FOR EACH MAJOR

CLEANING FUNCTION





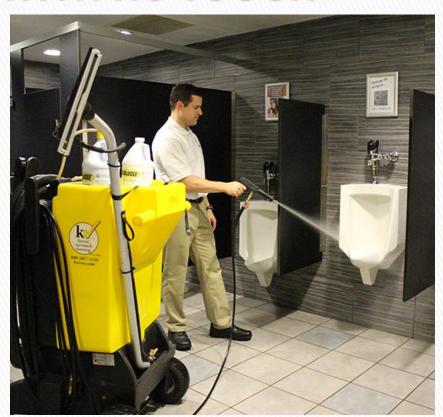
POZ

WE ARE ALWAYS HERE
TO HELP YOU CLEAN BETTER.

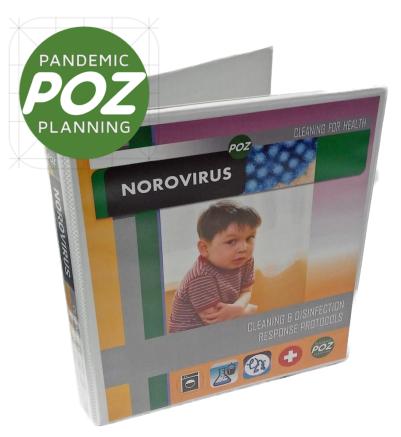
3. SEPARATE YOUR CUSTODIANS FROM THE INFECTION WITH NO-TOUCH



Hillyard® C3XP No-Touch Cleaning System



Kaivac® No-Touch Cleaning System

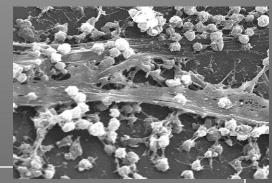


- 1 YOUR CURRENT CHEMISTRY disinfection system efficacy
- 2 CURRENT DISINFECTION PROTOCOLS

WE CAN ASSIST YOU IN PLANNING.

- 3 **AUGMENTATION** Adding specific chemistry or procedures for the threat you are experiencing.
- 4 **CLEANING STAFF REVIEW** of Cleaning for Health procedures
- **5 THE SPECIFIC HEALTH THREAT**
- 6 BEHAVIOR MODIFICATION & EDUCATION SUPPORTS information to update and advise building stakeholders, employees, students, parents and interested public agencies

TERMS TO REMEMBER



TERM	MEANS
Norovirus	A gastro-infection acquired through ingesting small amounts of virus. Vomiting, diarrhea.
Fomite	A surface capable of supporting germs and then passing them along on hands.
Pathogen (PA-tho-jen)	Bacteria, viruses, fungus and molds harmful to mankind.
Portal of Entry	Route germs take into the human body.
Personal Protective Equipment	Use of barriers to keep infection from contact with skin, blood or portals of entry.
Disinfectant	Reduces germs on inanimate surfaces.
Cross-Contamination Cycle	Infection traveling from a host to a surface to another host.



We can also analyze the general potential for infection from common touchpoint surfaces in your facility.

Call us at 800-727-7876