

Norovirus Fact Sheet for Outbreaks

What are noroviruses?

Norovirus is a virus that causes infectious gastroenteritis in people.

What are the symptoms of illness caused by noroviruses?

Norovirus illness usually begins 24 - 48 hours after exposure but can appear as early as 10 hours after exposure. Symptoms usually include nausea, vomiting, diarrhea, and stomach cramping. Sometimes people have a low-grade fever, chills, headache, muscle aches, and a general sense of tiredness. The illness is usually brief, with symptoms lasting only 1 or 2 days.

How serious is norovirus disease?

Norovirus disease is usually not serious, but people may feel very sick. Most people get better within 1 or 2 days and have no long-term health effects from the illness. Sometimes people are unable to drink enough liquids to replace what they lose from vomiting and diarrhea, and they can become dehydrated and need to see a doctor. That problem usually occurs only among the very young, the elderly, and persons with weakened immune systems.

How is norovirus spread?

Noroviruses are very contagious and spread easily from person to person. The virus is found in the stool and vomit of infected people. People can become infected in several ways, including eating food or drinking liquids that are contaminated by infected food handlers, touching surfaces or objects contaminated with norovirus and then touching their mouth before hand washing, or having direct contact with another person who is infected and then touching their mouth before hand washing. Outbreaks also have occurred from eating undercooked oysters harvested from contaminated waters - cooking kills the virus. Drinking water contaminated by sewage can also be a source of these viruses. Persons working in day-care centers or nursing homes should pay special attention to children or residents who have norovirus illness. This virus can spread quickly in these places.

How long are people contagious?

People infected with norovirus are contagious from the moment they begin feeling ill to at least 3 days after recovery. Some people may be contagious for as long as 2 weeks after recovery. Therefore, good hand washing is important. Persons infected with norovirus should not prepare food while they have symptoms and for 3 days after they recover. Infected people do not become long-term carriers of norovirus.

Who gets norovirus infection?

Anyone can become infected with these viruses. Because there are many different strains of norovirus, norovirus infection and illness can re-occur throughout a person's lifetime.

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What treatment is available for people with norovirus infection?

Currently, there is no specific medication or vaccine for norovirus. Norovirus infection cannot be successfully treated with antibiotics. By drinking fluids, such as juice, water, or sports drinks, people can reduce their chance of becoming dehydrated, however, sports drinks may not replace the nutrients and minerals lost during this illness. Oral rehydration drinks such as Pedialyte are best to help with mild cases of dehydration.

Do infected people need to be excluded from daycare, school, or work?

Since the virus is passed in vomit and stool, children should not go to daycare or school while they have diarrhea or vomiting. Once illness ends, children can return to daycare after 48 hours. Hand washing must be strictly monitored. Persons who work in nursing homes, take care of patients, or handle food should stay out of work until at least three days after symptoms end.

Can norovirus infections be prevented?

You can decrease your chance of coming in contact with noroviruses by:

- Frequent hand washing with warm water and soap.
 - Alcohol-based sanitizers are not effective in killing norovirus.
- Promptly disinfecting contaminated surfaces with household chlorine bleach-based cleaners
 - Washing soiled clothing and linens.
 - Avoiding food or water from sources that may be contaminated.
- Rinsing fruits and vegetables.
 - Cooking oysters and other shellfish completely to kill the virus.

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