Your Norovirus Season Survival Guide

By Chris Wiant, MPH, PhD

Norovirus, the dreaded “stomach flu” or “winter vomiting disease,” is spreading misery far and wide this winter. The Wall Street Journal (January 24) reported on multiple school closures across the US and unhappy households in which family members are falling sick in succession like a line of dominoes.

Meet the Virus

Not a flu but a virus, norovirus has been called the “perfect pathogen” because it is highly contagious and evolves more quickly than humans can develop significant immunity against it. Norovirus spreads through close personal contact with an infected individual; by ingesting contaminated food or water; or by contact with contaminated surfaces. It is the world’s most common cause of gastrointestinal illness, inflicting severe diarrhea or vomiting. Symptoms begin to appear from 12 to 48 hours after becoming infected with the virus and last a few days. Unfortunately, people remain contagious for several days after they feel better. As they resume normal activities, therefore, the lingering “perfect pathogen” may be transmitted easily to new, unsuspecting hosts.

Staggering Statistics

Norovirus spreads rapidly through close quarters, including institutions, cruise ships and homes. It causes between 19 and 21 million cases of gastrointestinal illness each year in the US alone. The virus is responsible for at least 50,000 hospitalizations and between 570 and 800 deaths annually. Particularly vulnerable populations include the very young, the elderly and the immunocompromised. There is also some evidence that some people are genetically more vulnerable to the illness than others, but more research is needed to better understand this phenomenon.¹ The Centers for Disease Control and

Prevention reports a person in the US is likely to get norovirus about five times in their life. Norovirus activity peaks between November and April.

Surviving Norovirus

There are ongoing efforts to develop a norovirus vaccine, but until a vaccine becomes a reality, here are some smart steps you can take to help reduce the spread of norovirus:

- **Wash your hands often and carefully** with soap and warm water, especially after using the toilet, changing diapers, and before and after handling food. Alcohol-based hand sanitizers may not be effective enough against norovirus, and should be used in addition to, but not as a substitute for, hand-washing during norovirus outbreaks.³

- Do not prepare foods for others while you are sick with norovirus or for at least two days after you feel better.

- **Hydrate, hydrate, hydrate** if you contract norovirus. Fluids are lost through vomiting and diarrhea. [CDC recommends replacing fluids](https://www.cdc.gov/norovirus/about/symptoms/index.html) lost through mild dehydration by drinking oral rehydration liquids that can be purchased over the counter. Alternatively, sports drinks and caffeine- and alcohol-free liquids can be helpful. Severe dehydration, however, may require intravenously applied fluids in a healthcare setting. Call a doctor if you think you or someone you are caring for is severely dehydrated.

- If you or your loved ones contract norovirus, keep in mind it is extremely contagious. Limit contact with others. After vomiting or having diarrhea, immediately clean and disinfect affected surfaces. These posters provide step-by-step instructions, including directions for mixing a norovirus-busting solution of chlorine bleach and water.

- Wash soiled laundry (using chlorine bleach, the maximum available cycle length, and machine drying, if fabric instructions permit).

_I wish you a norovirus-free season!_

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