

How can you help protect our waters from contamination?

- Use a marine sanitation device.
- Use an approved pump-out station.
- Don't dispose of waste overboard.

For pump-out station locations, please visit:  
<http://www.dmr.ms.gov/boating/pump-out-stations>

For more information visit the Centers for Disease Control and Prevention:  
<http://www.cdc.gov/norovirus>



Mississippi Department of  
Marine Resources  
Office of Marine Fisheries  
Seafood Technology Bureau

---

1141 Bayview Ave., Biloxi, MS 39530  
228-374-5000 or 1-800-374-3449  
[www.dmr.ms.gov](http://www.dmr.ms.gov)

---

This public document is not for sale, and all rights to the publication are reserved to the Mississippi Department of Marine Resources. Copies may be made for educational purposes only. Printed July 2012.

Photo Courtesy of: [cruiselawnews.com](http://cruiselawnews.com)

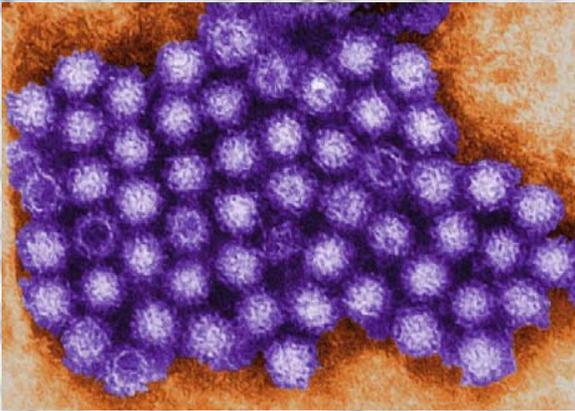
# NOROVIRUS

Mississippi Department of  
Marine Resources  
Office of Marine Fisheries  
Seafood Technology Bureau

## What is Norovirus?

Norovirus is a highly contagious virus that affects people of all ages.

Norovirus is the most common cause of foodborne-disease outbreaks in the United States.



View of the structure of norovirus  
Photo Courtesy of CDC/Charles D. Humphrey

## Symptoms Include

- Nausea
- Stomach Cramps
- Vomiting
- Non Bloody–Diarrhea
- Low-Grade Fever

## How is Norovirus Spread?

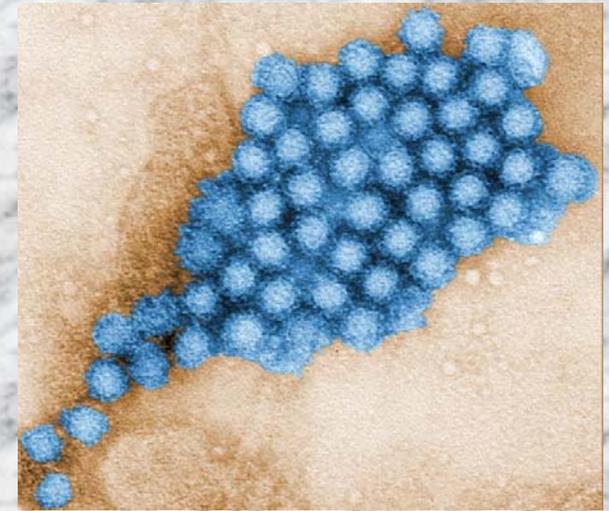
**Person-to-Person** - Direct contact with a sick person (for example: when caring for someone with norovirus, sharing foods, or sharing utensils).

**Foodborne** - ingesting contaminated foods (for example: an infected person gets stool or vomit on their hands and touches food).

**Waterborne** - exposure to contaminated water.

## Treatment

- Drink plenty of fluids to prevent dehydration.
- No vaccine exists for norovirus.
- There is no specific drug to treat norovirus.
- Norovirus cannot be treated with antibiotics because it is viral.



View of the structure of norovirus  
Photo Courtesy of CDC/Charles D. Humphrey

## How can you avoid infection?

- Do not prepare/handle food while you are sick.
- Wash your hands thoroughly with soap and water.
- Clean and disinfect contaminated surfaces.
- Wash exposed laundry thoroughly.

Information derived from the Centers for Disease Control and Prevention:  
<http://www.cdc.gov/norovirus>