

# Intestinal Germ Leaves Trail Of Misery

City's ERs see more than 3,700 sufferers

By Stephen Smith, Globe Staff | January 17, 2007

More than 3,700 patients stricken with nausea, vomiting, and diarrhea have visited Boston's emergency rooms during the past six weeks in a wave of gastrointestinal illness that has swept cities across North America. Federal health authorities are so concerned that they will conduct a telephone conference call this week with

# Norovirus Outbreak Closes Hotel

Richmond Times-Dispatch - Mar 2, 2007  
ARLINGTON, Va. (AP) - A hotel was closed for cleaning Thursday night after as many as 150 guests were sickened by the highly contagious norovirus.

# ILLNESSES TRACED TO A NEW STRAIN

## Key Clue Found To Outbreaks Of Norovirus

# Senior Community Hit by Possible Norovirus

... have not indicated that ... outbreak at the ... have a virus ... ps when out- d apartments, ... said. ... the names of ... Officials said ... and hygiene ... when a sus- ... sted for in

# NOROVIRUS SICKENS MORE THAN 100 AT NJ UNIVERSITY

FLORHAM PARK, New Jersey (AP) - Fair- ... Dickinson University's Floham Park ... Monday from a sus- ... sickened at ... for cleaning. Hard sanitizer was distributed at the library, computer labs and the dining hall, and students were urged to wash their sheets in hot water, Petrosenolo said. The 24-hour virus is spread person-to-person ... like systems including nausea.

# Norovirus Plagues Cruise Vacationers And Bring Possible Litigation

The media loves to report on problems with cruise ships and cruise ship lawsuits. Whether there is a fire, a disappearance or a cruise ship wide illness outbreak, they are ready to tell the American public. Is there any truth to the cruise ship virus? Are cruise ships not keeping their facilities clean and clear of dangerous viruses and illnesses? Are there any successful cruise ship lawsuits regarding this mysterious illness?

# Norovirus-like Illness Hits Churchland Elementary School

By JIM WASHINGTON, The Virginian-Pilot  
February 17, 2007 - PORTSMOUTH  
The city's health department will spend part of the three-day weekend sanitizing Churchland Elementary School after dozens of students

Now, Some Good News About NOROVIRUS...

# THE FIRST DISINFECTANT SPRAY PROVEN EFFECTIVE AGAINST NOROVIRUS!





# Proven Effective Against More Germs Than Ever... Including Norovirus!

Kills bacteria and viruses on surfaces where they live. Can be used on handles, faucets, door knobs, telephone receivers, remote control devices, keyboards, toilet seats, and other non-porous surfaces.



## ANTIMICROBIAL EFFICACY

### BACTERIA

Acinetobacter calcoaceticus  
 Burkholderia cepacia  
 Campylobacter jejuni (Campylobacter)  
 Corynebacterium diphtheriae  
 Enterobacter aerogenes  
 Enterococcus faecalis (Vancomycin Resistant)  
 Enterococcus faecalis (VRE)  
 Escherichia coli (E.coli) (O157:H7)  
 Klebsiella pneumoniae  
 Listeria monocytogenes (Listeria) (Methicillin Resistant)  
 Staphylococcus aureus (MRSA)  
 Mycobacterium bovis  
 Neisseria elongata  
 Proteus mirabilis  
 Proteus vulgaris  
 Pseudomonas aeruginosa (Pseudomonas)  
 Pseudomonas putida (Pseudomonas)  
 Salmonella choleraesuis (Salmonella)  
 Salmonella enterica serovar enteritidis (Salmonella enteritidis)

Salmonella enterica serovar Paratyphi B (Salmonella paratyphi)  
 Salmonella enterica serovar typhi (Salmonella typhi)  
 Serratia marcescens  
 Shigella dysenteriae  
 Staphylococcus aureus (Staphylococcus)  
 Staphylococcus epidermis (Staphylococcus)  
 Streptococcus pyogenes (Strep)  
 Streptococcus salivarius

### VIRUS

Adenovirus Type 2  
 Coxsackie Type B3 Virus (Coxsackie)  
 Cytomegalovirus  
 Echovirus Type 12  
 Hantavirus  
 Hepatitis A Virus  
 Hepatitis B Virus  
 Herpes Simplex Virus Type 1 & 2  
 Human Immunodeficiency Virus Type 1 [HIV-1] [AIDS Virus] (HIV-1 was tested in the presence of 50% whole human blood)  
 Influenza A Virus

Influenza B Virus (Strain B/Hong Kong/ 5/72)  
 Norovirus  
 Poliovirus Type 1  
 Respiratory Syncytial Virus (RSV) (the leading cause of lower respiratory infections in children) (an important cause of ear infections in children)  
 Rhinovirus Type 39 (the leading cause of the common cold)  
 Rotavirus Wa  
 Vaccinia Virus

### FUNGI

Alternaria alternata  
 Aspergillus niger (mold & mildew)  
 Candida albicans  
 Fusarium solani  
 Penicillium chrysogenum  
 Trichophyton mentagrophytes (Athlete's Foot Fungus)

*Organisms highlighted in red are added as a result of recent testing per EPA Guidelines.*

## NOROVIRUS FACTS:

- Norovirus, commonly referred to as "stomach flu", is highly contagious, requiring as few as 10 viral particles to infect an individual.
- The virus spreads through fecally contaminated food and surfaces or airborne distribution of vomitus entering the body through the mouth.
- In recent years, diagnosis of norovirus illness in outbreaks has improved due to improved testing capability (increased use of RT-PCR test protocol).
- Norovirus infections are second only to the common cold in reported illnesses.
- The CDC estimates that 23 million cases of acute gastroenteritis are due to norovirus infection and that at least 50% of all foodborne outbreaks of gastroenteritis can be attributed to noroviruses.
- Symptoms are similar to those of the flu and usually include nausea, vomiting, diarrhea, and stomach cramping. Some will experience a low grade fever, chills, headache, muscle aches, and fatigue. Symptoms usually occur suddenly and last about 1 or 2 days.
- The most recent study by the CDC cites the most common settings for outbreaks are: restaurants and catered meals (36%); nursing homes (23%); schools (13%); vacation settings and cruise ships (10%). The study also indicated that of outbreaks recorded: 57% of transmissions were foodborne; 16% were person-to-person spread; and 3% were waterborne. In 23% of outbreaks, the cause was not determined.

## RECOMMENDED MEASURES OF PREVENTION:

- **WASH YOUR HANDS** — According to CDC, hand washing is the most effective way to help prevent the transmission of germs.
- **DISINFECT SURFACES** — Routinely clean and disinfect contaminated surfaces, especially after an episode of illness. The CDC recommends using a U.S. EPA approved disinfectant, such as LYSOL® Brand Disinfectant Spray, to help prevent illness and control a norovirus outbreak.
- **PROTECT YOUR FOOD** — Carefully wash fruits and vegetables, and steam oysters before eating them. Persons who are infected should not prepare food while they exhibit symptoms and should wait an additional 3 days following their recovery.
- **ISOLATE THE SOURCE** — Consult a doctor if you exhibit symptoms of norovirus and, most importantly, stay home to prevent exposure to others.
- **REMOVE CONTAMINATED ITEMS** — Immediately remove and wash clothing or linens that may be contaminated with norovirus after an episode of illness.
- **ELIMINATE WASTE** — Flush or discard any vomit or fecal material in the toilet and be sure to thoroughly disinfect the surrounding area.

*For the full article, entitled "Microbiologists Expose Norovirus...", visit [www.reckittprofessional.com](http://www.reckittprofessional.com) or the VNAA Germ Protection Center, sponsored by LYSOL® ([www.vnaa.org](http://www.vnaa.org)).*

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