BAD BUGS
PATHOGENIC

**Cholera**

**Cholera Transmission**
1. Vibrio cholerae are found in the feces of an infected individual.
2. Leakages in the sewage system may contaminate clean and potable water making it unfit for drinking and use.
3. Dirty hands may transfer these bacteria onto the food.
4. Contaminated food or water serves as a medium for transmitting the disease from one person to another.

**How cholera affects the body**

**How it spreads**
- People in a potable water or food contaminated with cholera bacteria.
- In epidemics, feces of diseased persons is source of contamination.

**Treatment**
- Oral rehydration, intravenous fluids, antibiotics.
- In unprepared areas, mortality can be as high as 30 percent.

**Yersinia**

**Salmonella**

**Shigella**

**Salmonella infection**

Almost any kind of food or water can carry the bacteria that causes salmonella infection, although meat and eggs the main carriage sources.

**Symptoms**
- Within 12 hours, nausea, vomiting, diarrhea, abdominal cramps.
- Fever, chills, localized abdominal pain with or without tenderness.
- Severe cases have bloody stools, chills, fever, and often appear from the intestinal system.

**Treatment**
- Oral antibiotics, usually for 2 weeks.