

Diseases in Detail (Edexcel)

Cholera

Name of Pathogen: **Vibrio Cholerae**

Host Organism it effects: **Humans**

What does it do:

The pathogen spreads through contaminated water sources. Most cases of cholera are in developing countries, where clean water is not widely available.

Symptoms of the Disease:

They can cause severe diarrhoea. This comes on suddenly, and quickly cause dangerous fluid loss. Nausea and vomiting takes place (which can persist for hours at a time). Another symptom is dehydration.

Prevention and Treatment:

Drinking and washing. Keep up good hygiene. The anti cholera vaccine can be used to treat the disease. However, treatment must be taken quickly. Make sure that people have access to clean water supplies.

Tuberculosis

Name of Pathogen: **Mycobacterium Tuberculosis**

Host Organism it effects: **Humans and Cattle**

What does it do:

When infected individuals cough and sneeze, the bacterium is spread through the air (airborne disease) in droplets.

Symptoms of the Disease:

Coughing that lasts for three weeks or more, as well as coughing up blood.
Unintentional weight loss. Sweating heavily at night. Fatigue. Fever. Chest pain.
Lung damage may occur.

Prevention and Treatment: