

# Diseases Related to Water

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graph TD; A[Diseases Related to Water] --> B[Water-borne Diseases  
= Spread by drinking Water]; A --> C[Water Induced or Water-based Diseases  
= Spread by vectors];
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Water-borne  
Diseases  
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Water Induced or  
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# Typhoid

Casual organism	Symptoms	Cure
<i>Salmonella typhi</i>	Headache, Nausea and loss of appetite	Proper disinfection, use of sterilized water,

# Cholera

<i>Vibrio cholerae</i>	Diarrhoea, Vomiting, Rapid dehydration, muscular cramps etc.	1-Rehydration should be done either by injecting intravenous solution of saline (Solution of NaCl : NaHCO <sub>3</sub> : KCl = 5:4:1) or giving <b>oral fluid containing a mixture of NaCl, NaHCO<sub>3</sub>, KCl and glucose in the ratio of 3 : 2 : 1 : 20 g dissolved in one litre water.</b> 2- Tetracycline and Cotrimozole as a antibiotic.
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# Amoebiasis

<i>Entamoeba histolytica</i>	Characterized by liquid stools with mucus and blood	1-Washing vegetables with disinfectants by Iodine solution (200 ppm) or 5 % acetic acid.

# Water Induced Diseases

## Malaria

Casual organism	Symptoms	Cure
Malaria caused by parasite, Plasmodium and Transmitted by female Anopheles mosquitoes	High fever, associated with shivering and terminating with sweating	Antimalarial drugs are quinine, Chloroquine and camoquine etc

## Dengue

Dengue, a viral disease is transmitted by mosquito <i>Aedes aegypti</i>	High fever, flushed face	Destroy breeding places of mosquito by spraying dieldrin.
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Note: The first (1963) and recent (2005) outbreak of dengue in India occurred in Kolkata. It affected 4000 persons and caused 1000 deaths.

Fluoride  
Problem in  
Drinking  
Water

## Source of Fluoride

- Drinking water having an more amount than 1.0 mg/L of water
- Black tea without milk
- Black and red rock salt
- Snacks prepared with black or red rock salt.
- Dental Products like fluoride tooth pastes and mouth rinses.
- Drug containing fluride on long time treatment for disease viz., depression, osteoporosis etc
- Tobacco or supari chewing

## Symptoms of fluorosis

Dental fluorosis and skeleton fluorosis with the following symptoms:

- Aches and pain in joints
- Stiffness in joints
- Gastrointestinal problems
- Muscle weakness
- Anemia / low hemoglobin
- Infertility