

## Chapter 13

# WHY DO WE FALL ILL?

### Disease and its causes:

When a person is affected by a disease either the normal functioning or the appearance of one or more systems of the body changes for the worse. These changes give rise to signs of the disease called **Symptoms**.

#### TYPES OF DISEASES:

##### 1. Acute Diseases:

.Diseases which last only for a short period of time and does not have long term effect on health.

Ex: Cough and Cold or Common Cold

##### 2. Chronic Diseases:

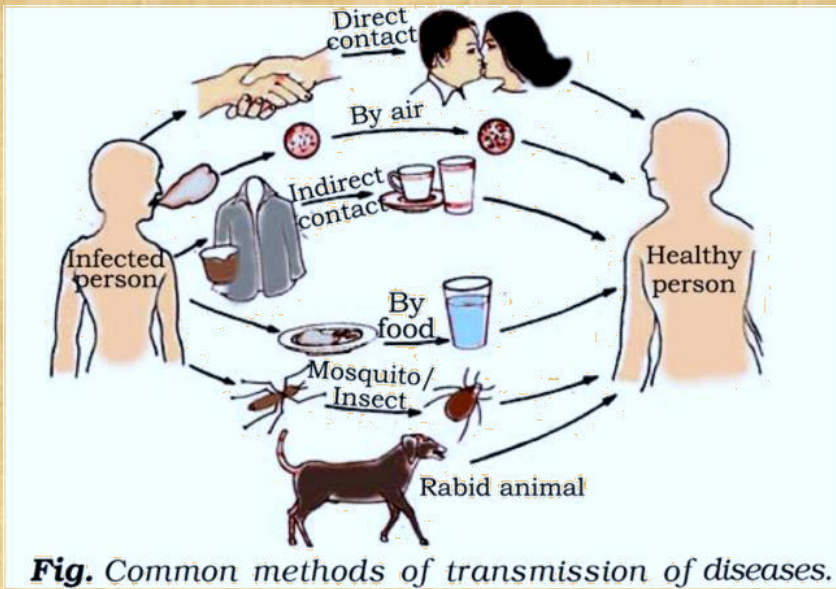
Diseases which lasts for a long time and has long TERM effects on health.

Ex: Elephantiasis



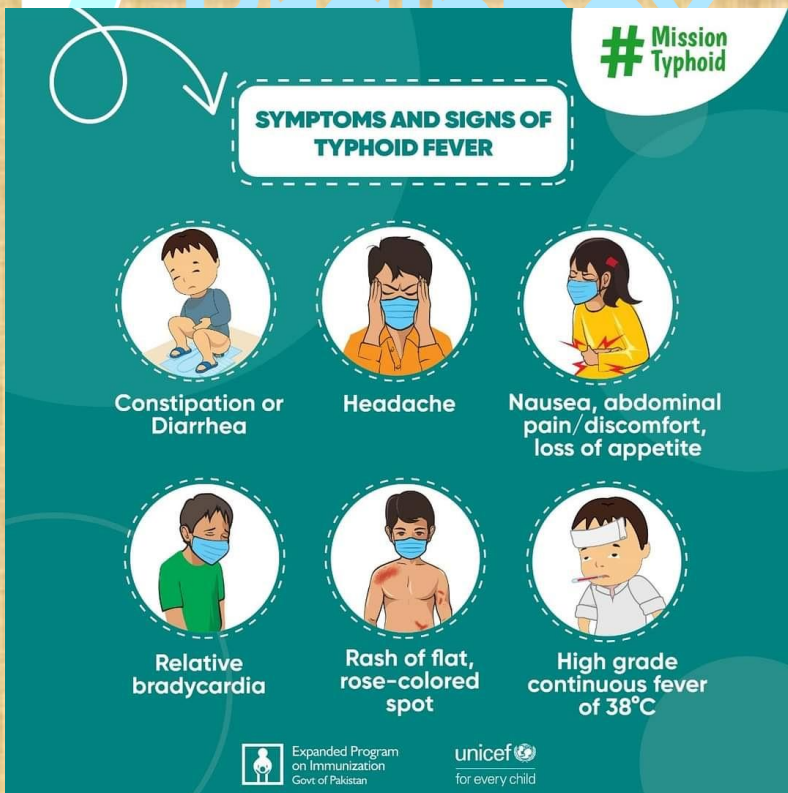
##### 3. Infectious/Communicable Diseases:

Diseases which spread from an infected person to a healthy person through air, water, food, vectors, physical contact or sexual contact.



Ex:

Common cold, Chicken pox, Measles, Typhoid, Cholera, Tuberculosis, Malaria, AIDS etc.



#### 4. Non-Infectious/Non-Communicable Diseases:

- Diseases, which are not spread from an infected person to a healthy person.

**Ex:**

Beriberi, Rickets, Scurvy, Night blindness, Diabetes, Cancer, High B.P.

## **Infectious Diseases:**

The diseases, which spread from one person to another easily, are called infectious diseases.

**Pathogens:** The organisms, which, causes diseases.

- **Vector:** The organisms, which spread the diseases.

## **Non- Infectious Diseases:**

The diseases, which do not spread from one person to another are, called non-infectious diseases.

**These are of following types:**

1. Deficiency - causes deficiency of nutrients and hormones. E.g. diabetes, scurvy.
2. Allergic – when body is hypersensitive to foreign elements. E.g. asthma
3. Cancer – uncontrolled growth of certain tissues.
4. Mental disorder – depression, anxiety etc.
5. Addiction - alcohol, drugs.
6. Degenerative - malfunctioning of important organs. E.g. heart diseases.

## **Causes of the diseases:**

- Pathogens like virus, bacteria, fungi
- protozoans or worms
- Genetic disorders

- Environmental pollution
- Malfunctioning of body parts
- Poor health and under nourishment

### Human Infectious Diseases and their causative agents



#### Bacteria

- Tuberculosis
- Pneumonia
- Streptococcal Infections
- Gonorrhea
- Scarlet Fever
- Tetanus
- Diphtheria
- Pertussis
- Bubonic Plague



#### Viruses

- AIDS/HIV
- Influenza
- Herpes Simplex/Zoster)
- Hepatitis (all types)
- Common Cold
- Poliomyelitis
- Measles, Mumps and Rubella
- Infectious mononucleosis



#### Fungi

- Candidiasis
- Athlete's foot (Tinea pedis)
- Jock itch (Tinea cruris)
- Nail fungus (Tinea unguis)
- Ringworm
- Histoplasmosis



#### Protozoa

- Amebiasis
- Amebic meningoencephalitis
- Malaria
- Trichomoniasis
- Toxoplasmosis
- Giardiasis
- Balantidiasis
- Cryptosporidiosis
- Pneumocystosis



#### Helminthes/parasites

- Trichuriasis
- Hookworm
- Lymphatic filariasis (Elephantiasis)
- Schistosomiasis (Bilharzia)
- Ascariasis



Brainbox  
learn easy