

# **Bacterial Zoonoses: Introduction**

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# Introduction

- ▶ Animals and people often live close together throughout the developing world.
- ▶ We are dependent on livestock and poultry for food, clothing, fertilizer, draught power, and an important degree of financial security.
- ▶ At the same time, these animals and their products create disease risks for the populations who most depend on them.
- ▶ Zoonoses are multifactorial: host factor, env. factors, emergence of multihost agent,

- ▶ Zoonoses are defined as those diseases and infections that are **naturally** transmitted **between** vertebrate animals and man
  
- ▶ Zoonoses can be classified into different ways
  - ▶ **Based on etiology**
    - ❖ Bacterial zoonoses
    - ❖ Viral zoonoses
    - ❖ Parasitic zoonoses
    - ❖ Rickettsial
    - ❖ Fungal zoonoses

▶ Based on transmission cycle

- ❖ Direct zoonoses
- ❖ Cyclozoonoses
- ❖ Meta zoonoses
- ❖ Saprozoonoses

▶ Based on reservoir host

- ❖ Antropozoonoses
- ❖ Zooanthroponoses
- ❖ Amphixenoses

# Based on transmissibility of agent

1. Endemic zoonoses
2. Epidemic zoonoses
3. Pandemic zoonoses

**Emerging and re-emerging zoonoses** which are newly recognized or newly evolved in a population or have existed previously but are rapidly increasing in incidence or expansion in geographical, host or vector range