

## A Review: Epidemics and Pandemics in Human History

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### Abstract

Infectious diseases greatly increase death rate in world population that dysfunction or breakdown social life, effect on economy. Nature powers are erratic. Therefore it is truer that some infectious diseases come without giving any warning by nature. The diseases which spread one person to other person in particular area, city very rapidly is known as Epidemics and the diseases which spread from one country to others known as Pandemic. Choleric plague, smallpox, AIDS and influenza etc. was very dangerous communicable diseases in past years ago and some are also present now like AIDS and COVID, it is the most devastating example of pandemics. Disease outbreaks are occurring when disease spread unexpectedly and rapidly. Epidemics and Pandemics damage to humans in few time.

**Keywords:** Flu, Plague, HIV/AIDS, Virus, Pandemic, Epidemics, COVID.

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### 1. Introduction

Communicable diseases enhance mortality rate[1]. Human beings are part of nature and we are not allowed to do anything wrong with nature if we do than it comes back to you in form of infectious diseases and many other disasters [2]. Epidemic is defined as appearance of diseases in area or population in excess[3] on other side pandemic is defined as epidemic which appears in wide range or area, spread to other countries and number of population suffer with it [4]. Epidemics and Pandemics like Small pox, Black Death, HIV/AIDS and many more diseases are most dangerous killers in human history [5]. These diseases are caused by virus, bacteria, influenza etc.[6]. With Justinian of Plague number of people lost their lives. [2] Middle East Respiratory Corona virus (MERS Cov), Severe Acute Respiratory Syndrome (SARS Cov), common cold caused by corona virus which spread in wide area population.[7]

### 2. Difference between epidemic and pandemic

- Epidemic spread rapidly in population where on other side pandemic is larger epidemic which spread from one country to other countries. [8]
- Epidemic affects in weeks on other side pandemics take more time to spread and increase mortality rate.



Figure 1: Epidemic vs pandemic