

Hot Topic in PIDST

Somsak Lolekha MD, PhD

President

Pediatric Society of Thailand

Ebola virus disease (EVD)

- Formerly known as Ebola hemorrhagic fever
- Fatality rate of up to 90%
- Occur in remote village in Central and West Africa
- The virus is transmitted to people from wild animals and spreads in human population through human to human transmission
- Fruit bats are considered to be the natural host of the Ebola virus

Family Filoviridae(filovirus)

- 3 Genus
 - Ebola virus
 - Bundibugyo ebolavirus (BDBV)
 - Zaire ebolavirus (EBOV)
 - Reston ebolavirus (RESTV)
 - Sudan ebolavirus (SUDV)
 - Tai Forest ebolavirus (TAFV)
 - Marburg virus
 - Cueva virus

Chronology of previous Ebola virus disease outbreaks

| Year | Country | Ebolavirus species | Cases | Deaths | Case fatality |
|------|----------|--------------------|-------|--------|---------------|
| 1976 | DR Congo | Zaire | 318 | 280 | 88% |
| 1976 | Sudan | Sudan | 284 | 151 | 53% |
| 1977 | DR Congo | Zaire | 1 | 1 | 100% |
| 1979 | Sudan | Sudan | 34 | 22 | 65% |

Chronology of previous Ebola virus disease outbreaks

| Year | Country | Ebolavirus species | Cases | Deaths | Case fatality |
|------|---------------|--------------------|-------|--------|---------------|
| 1994 | Gabon | Zaire | 52 | 31 | 60% |
| 1994 | Cote d'Ivoire | Tai Forest | 1 | 0 | 0% |
| 1995 | DR Congo | Zaire | 315 | 254 | 81% |
| 1996 | Gabon | Zaire | 92 | 67 | 73% |
| 2000 | Uganda | Sudan | 425 | 224 | 53% |
| 2001 | Gabon | Zaire | 65 | 53 | 82% |
| 2002 | Congo | Zaire | 50 | 44 | 75% |
| 2003 | Congo | Zaire | 143 | 128 | 90% |