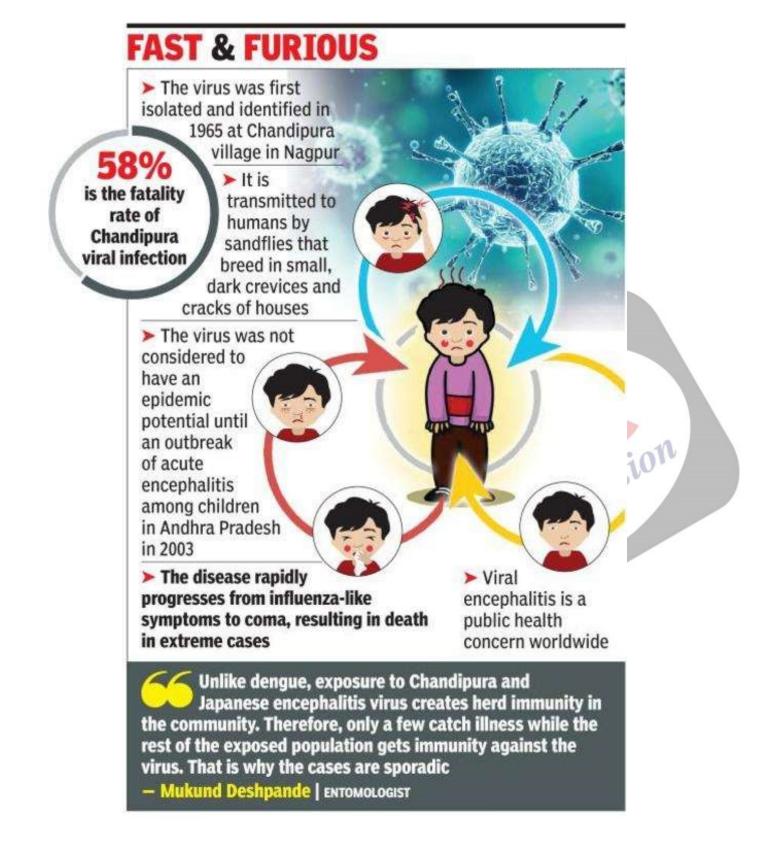
## **Chandipura Virus Infection**

## Source: IE

Recently, many children have died of suspected **Chandipura virus (CHPV) infection** in Gujarat.

- CHPV Infection:
  - The CHPV is an **arbovirus** that belongs to the **Vesiculovirus genus** in the **Rhabdoviridae family**.
  - CHPV is transmitted by various species of sandflies, such
    - as *Phlebotomine* sandflies, *Phlebotomus papatasi* and mosquitoes such as *Aedes aegypti* (vector for dengue).
      - It primarily affects children under 15 years old.
- Complications and Symptoms :
  - The virus resides in the **salivary glands** of these insects and is transmitted through their bites. CHPV can infect the **central nervous system**, potentially leading to **encephalitis**, an inflammation of the brain's active tissues.
  - Symptoms resemble flu, including fever, body aches, and headache. It can cause altered mental state, seizures, encephalitis, respiratory distress, bleeding tendencies, and anaemia in advanced stages.
- Treatment:
  - Currently, there is no specific antiviral treatment or vaccine for CHPV, so care is supportive and symptomatic.
- Epidemiology:
  - CHPV was **first identified in Chandipura village of Maharashtra in 1965** during a dengue outbreak.
  - The infection remains **endemic in central India**, especially in **rural and tribal areas** with higher sandfly populations.
  - Outbreaks are more frequent during the monsoon season due to increased breeding of sandflies.



## Read More: Nipah Virus

PDF Refernece URL: https://www.drishtiias.com/printpdf/chandipura-virus-infection