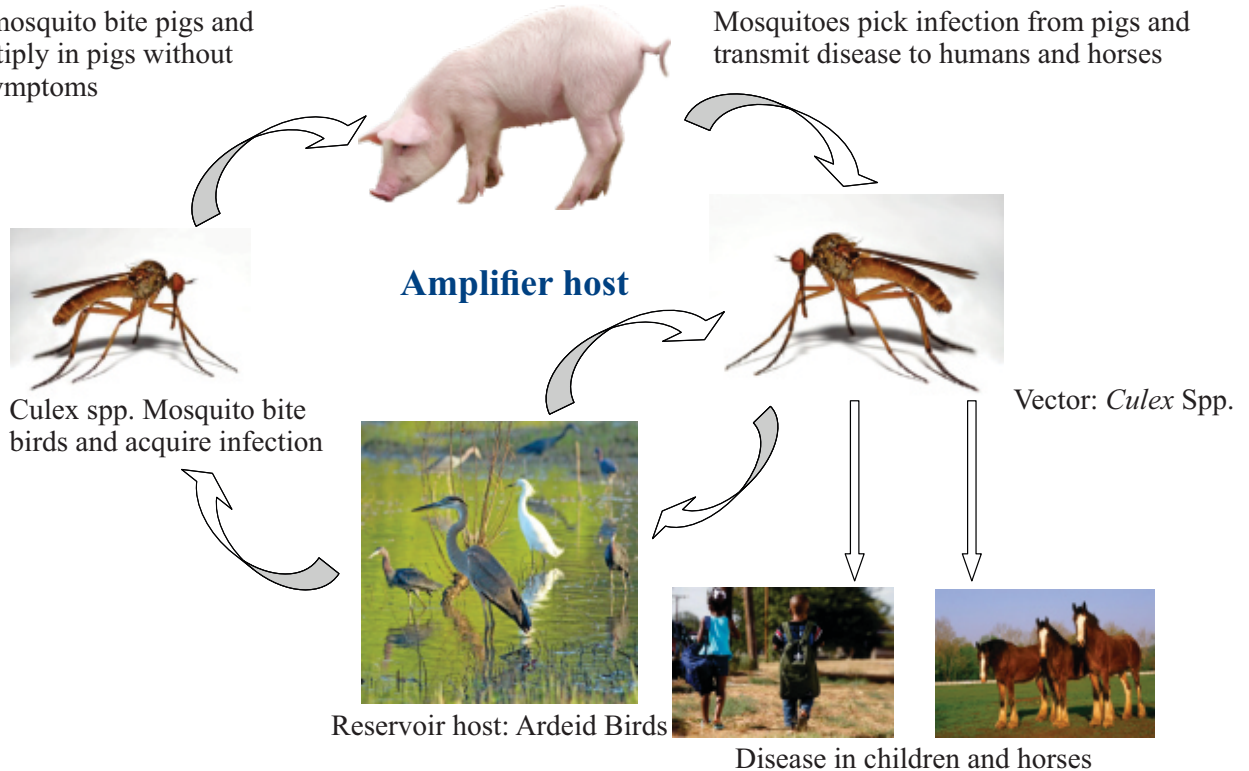


Japanese encephalitis (JE) is a re-emerging mosquito-borne zoonotic flavi-viral disease. It causes encephalitis in children and horses while rare cases of abortion or still birth occur in swine. Every year hundreds of children of children die due to this disease in our country.

## Transmission cycle of JE Virus

Infected mosquito bite pigs and virus multiply in pigs without clinical symptoms

Mosquitoes pick infection from pigs and transmit disease to humans and horses



### Clinical symptoms

- Animals: Most of the infections remain asymptomatic
- Pigs: Abortion, stillbirths, mummification, death of newborn piglets
- Horses: Pyrexia, encephalitis and death
- Human: Young children (3-15 years age) affected mostly
- High fever, stiffness of neck, mask-like face appearance
- Convulsions and paralysis
- In severe cases death occurs within 10 days



*Abortion in pigs*



*Encephalitis in horses*

### Prevention and control

#### Do(s)

- Vaccinate your children against JE
- Use protection measures against mosquitoes
- Larval reduction by rearing *Gambusia affinis*
- Immediate attention and prompt medical care to sick children

#### Don't(s)

- Water logging
- Children playing without proper clothing in the evening
- Delay in medical care and treatment from quacks



*Paralysis in children*



*Vaccine Gambusia affinis*



*Prevent water logging*

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