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# EIDs stories: Insight from DDC

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# Outline

- **Importance of potential EID viruses into Thailand**
  - ❖ Oropouche fever; new from Latin America
  - ❖ H5N1; what happen in the US
- **Insight from the field outbreak investigation**
  - ❖ Outbreak among children
  - ❖ Case investigation from nurse
- **Zika research outcome: Follow up 55 children (age 1-3 years) who born from Zika infected mothers and negative finding at birth**

# Oropouche fever

อังกฤษ : ออโรพูช

สเปน : โอโรปู้เซะ

# History

- ▶ **Oropouche virus** is an emerging virus, but not a new one.
- ▶ **The virus was first detected in the village of Oropouche, in Trinidad and Tobago, in 1955.**
- ▶ Since then, the virus has had limited circulation in parts of **South America**, with cases reported in settings close the forested areas, such as the Amazonas.
- ▶ Oropouche virus has **a sylvatic cycle** because the virus has a reservoir in pale-throated sloths, non-human primates, and birds.
- ▶ And is transmitted by **midges** (*Culicoides paraensis*, ไร้น้ำเค็ม) and **mosquitoes** (*Culex*, *Coquillettidia* and *Aedes* spp).
- ▶ However, in the ongoing outbreak, Oropouche virus has infected people living in regions far from forested areas, thus indicating that an **urban cycle** can exist as well.

**Source: Oropouche fever, the mysterious threat, The Lancet Infectious Diseases, The Lancet Infectious Diseases, Volume 24, Issue 9, 935**

# Time line of advances in Oropouche virus research

