

# SPEEDIER

## Surveillance integrating Phylogenetics and Epidemiology for Elimination of Disease: Evaluation of Rabies Control in the Philippines

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### Background

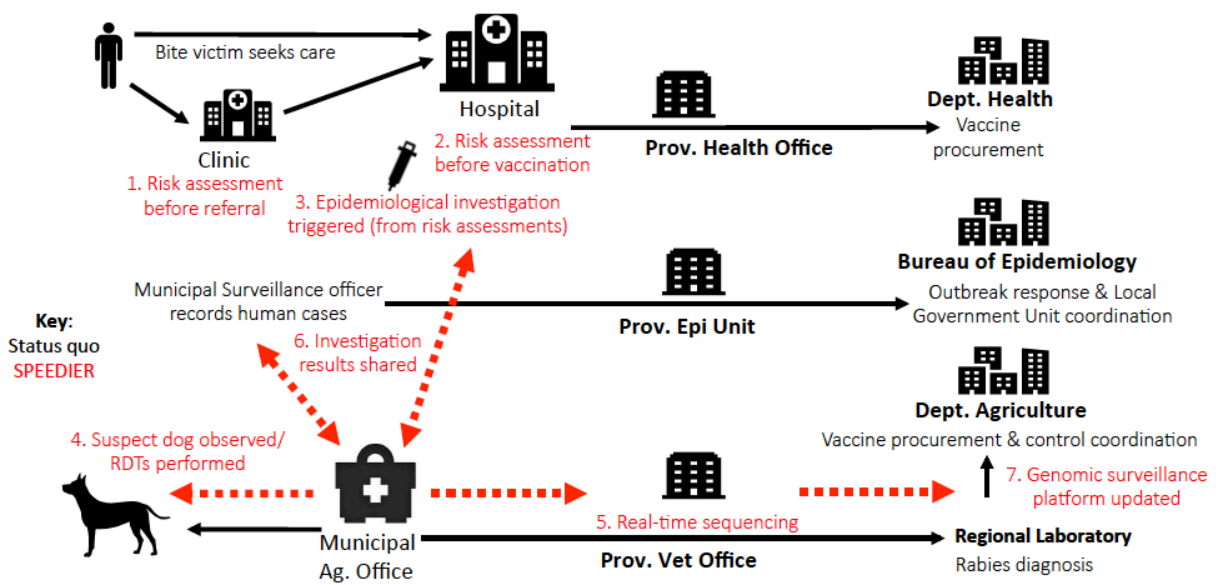
Rabies is endemic in the Philippines where it causes 200-250 deaths each year. The national control programme has reduced rabies incidence, but use of life-saving post exposure prophylaxis (PEP) is extremely costly and surveillance (case detection) is not sufficient to verify or maintain freedom from rabies



### SPEEDIER aims to:

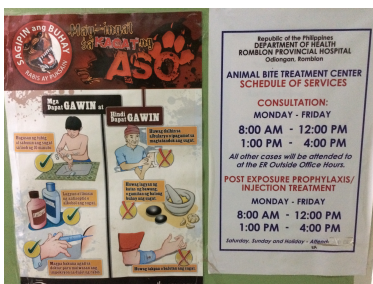
- Introduce revised surveillance protocols (**Integrated Bite Case Management – IBCM**):
  - To increase case detection
  - To improve PEP use
  - To benefit from state-of-the-art technology (mobile apps, portable sequencing)
  - To guide the national control programme
- Evaluate the process of implementation, the influence of context, and mechanisms of action on outcomes
- Develop a replicable package for scaling up IBCM using best practice and a proven cost-effective template for verifying and sustaining rabies freedom

### Integrated Bite Case Management



### Implementation Activities

- Train human and animal health workers to deliver IBCM
- Conduct trial
- Translate data to stakeholders for scaling up
- Develop a genomic surveillance platform for communication risks of rabies spread



### Methods

A pragmatic stepped-wedge RDT, with embedded process evaluation, of rationalized use of PEP implemented over 2 years, in ten 2-month steps across 3 provinces: **Romblon, Mindoro Occidental and Mindoro Oriental**. The comparator is existing practice for dog bite management.

### Expected Outcomes

- Health** - Increased identification of bite victims requiring PEP & reduced deaths
- Economic** - Reduced costs to providers & patients
- Surveillance** - Increased & earlier detection of animal rabies cases
  - Reduced costs
  - Improved data (to respond to & monitor outbreaks)
  - Established outbreak response strategy
  - Disseminated best practice for replication
  - Established rabies status & verified freedom from provinces where achieved

