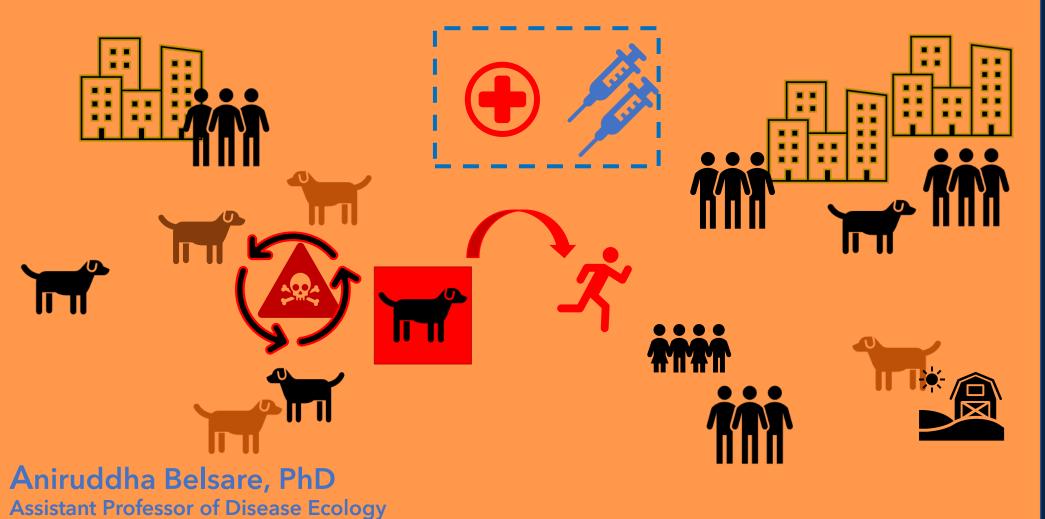
ZeroRabiesApp: Ensuring equitable access to lifesaving treatment

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Wildlife and Environment

THE BURDEN OF CANINE RABIES

- 50,000 humans die every year due to dog-transmitted rabies.
- At least 20,000 human deaths every year in India due to rabies.
- India has the highest burden of rabies.

DOG-TRANSMITTED RABIES IS A NEGLECTED DISEASE





RABIES: 100% FATAL, BUT 100% PREVENTABLE

Three vital components of postbite treatment:

- 1. Bite wound management
- 2. Course of Antirabies vaccines (RV)
- 3. Injecting Human rabies immune globulin (RIG)

Timely administration of appropriate postexposure prophylaxis (PEP) is critical to prevent rabies

TIMING OF POSTBITE TREATMENT

Wound management: Simple, but timing is of utmost importance

Emergency response to a rabies exposure; 4 doses of rabies vaccine; 1 st dose within 24 hours of exposure (e.g. dog bite)

Rabies Immune Globulin within 7 days of exposure (e.g. dog bite)

RABIES VACCINE AND RIG AVAILABILITY

- 70-80 million free-roaming dogs in India
- 20 million dog bites every year
- Shortage of rabies vaccines and RIG: resulting in delay/ incomplete treatment or even non-administration

PEP products not readily available across India and often in short supply.

FAILURE OF RABIES CONTROL IN INDIA

Ideal rabies prevention and control has so far been unsuccessful in India mainly due to

- 1. poor knowledge of proper PEP, and
- 2. an irregular availability of rabies biologics

WEB APPLICATION: ZERO RABIES APP

- Interactive point-of-care tool for treating dog bite cases
- For both dog-bite patients and their health providers
- Access to latest guidelines developed by the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC).

PERSONALIZED PEP SCHEDULE & AVAILABILITY DATABASE



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Postbite treatment guidelines

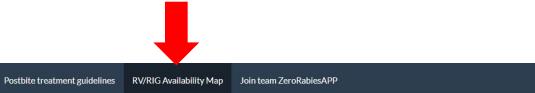
RV/RIG Availability Map

Postexposure Prophylaxis (PEP)

A full course of PEP should be administered immediately after a dog bite - do not make exceptions even if the biting dog is a pet, a puppy, or a 'friendly' community dog.

Enter exposure date to generate postbite treatment schedule:

2023-06-03



loom in and click on a marker near your location to access RV/RIG availability data

square measuring 50 km x 50 km is highlighted when you hover over the map of Ind

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PILOT PROJECT: CROWDSOURCING PEP AVAILABILITY

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https://anyadoc.shinyapps.io/ZeroRabiesINDIA/

ZeroRabiesPEP

https://anyadoc.shinyapps.io/ZeroRabiesPEP/

