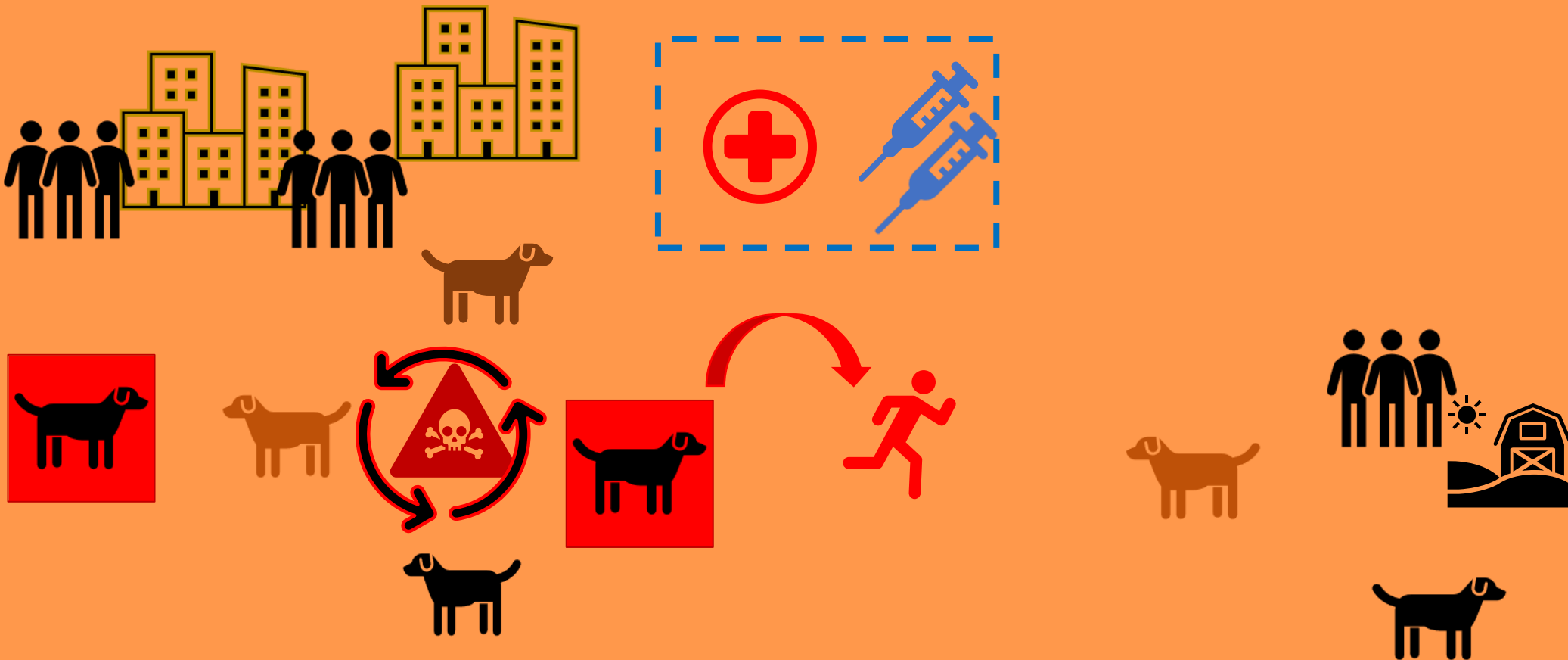


ZeroRabiesApp: Ensuring equitable access to lifesaving treatment



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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; 1st dose **within 24 hours** of 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

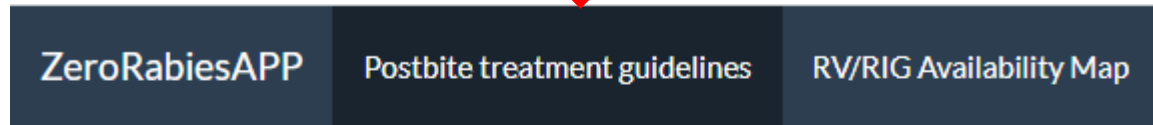
Ideal rabies prevention and control has so far been unsuccessful in India mainly due to

1. poor knowledge of proper PEP, and
2. 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

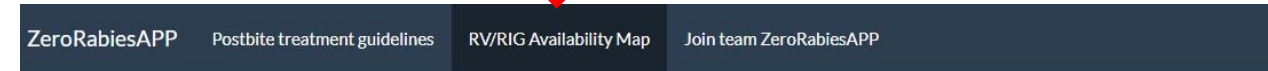


Postexposure Prophylaxis (PEP)

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.

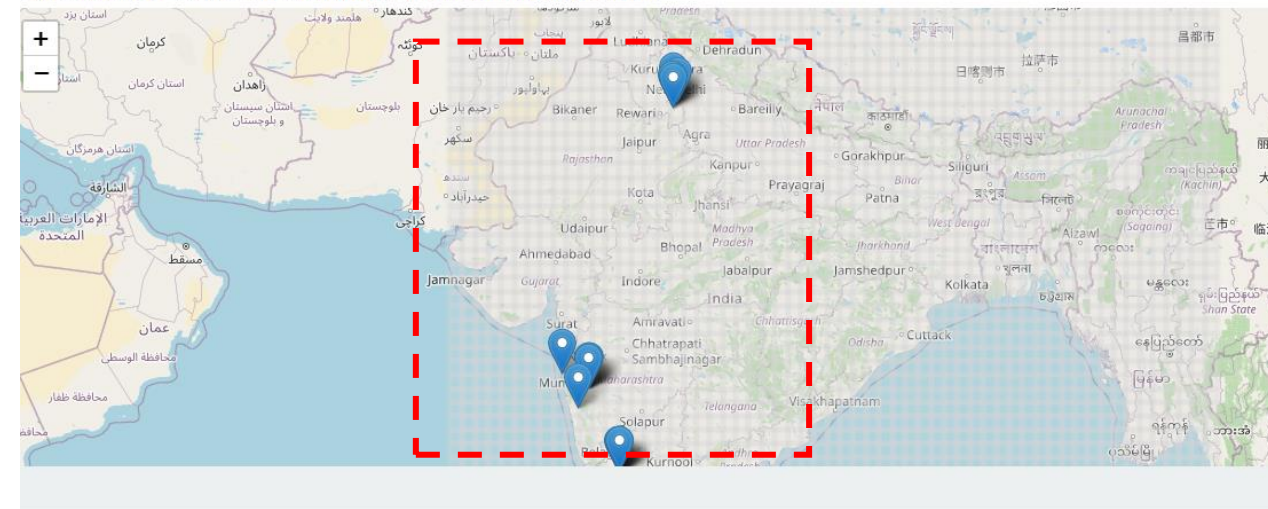
Enter exposure date to generate postbite treatment schedule:

2023-06-03



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

A square measuring 50 km x 50 km is highlighted when you hover over the map of India.



PILOT PROJECT: CROWDSOURCING PEP AVAILABILITY

[ZeroRabiesINDIA](https://anyadoc.shinyapps.io/ZeroRabiesINDIA/)

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

[ZeroRabiesPEP](https://anyadoc.shinyapps.io/ZeroRabiesPEP/)

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

[ZeroRabiesPEP](#) [Contribute to the PEP Availability Database](#) [Join team ZeroRabiesAPP](#)

Crowdsourcing Rabies Vaccine (RV) & Rabies Immune Globulin (RIG) availability data for India.

RV and RIG are critical components of the life saving postbite treatment - they are referred to as Post Exposure Prophylaxis (PEP) products. You can help build and update the PEP Availability Database for India. Ask your local pharmacist if they stock rabies vaccine and rabies immune globulin; documenting non-availability of the PEP products is particularly important. Please send the information using the form below.

Date:

Pharmacy/Medical shop name:

Pharmacy/Medical shop address:

Pharmacy/Medical shop pincode:

Pharmacy/Medical shop phone/email:

Brands of Rabies Vaccine available:

Brands of Rabies Immune Globulin available:

Your name (optional):

Your email (optional):