4. Community education

**Key resources**

**CAPACITY BUILDING**

- Community engagement allows for self-sustaining solutions. Supporting these communities with educational tools and resources is essential to raising awareness of the importance of rabies prevention. This can include:
  - Training courses on animal handling and vaccination techniques
  - Facilitation of stakeholder and technical workshops
  - Training laboratory and field staff on sample collection and transport

**TECHNICAL SUPPORT**

- Supporting governments and groups with strategic and operational planning will ensure the success and sustainability of the rabies elimination initiative. This includes:
  - Strategic planning and development
  - Implementation of the Stepwise Approach towards Rabies Elimination tool
  - Assistance in coordinating relevant stakeholders


- Training courses on community engagement and awareness
- Training of personnel to safely catch and vaccinate dogs
- Expert guidance on the development and implementation of strategic dog vaccination campaigns
- Training laboratory and field staff on sample collection and the appropriate use of rabies diagnostic tests

**Support for mass dog vaccination campaigns**

- Immediate, appropriate wound management is essential to prevent rabies infections in humans following suspect exposures. Proposed support includes:
  - Guidelines for wound management, PEP use and categorization of suspect contacts
  - Training of medical staff on intradermal immunization techniques
  - Treatment posters, booklets and general media for health professionals

**Surveillance systems allow identification of high-risk areas for rabies transmission and can assist in resource allocation for targeted interventions.** Proposed support includes:

- Expert support for rabies surveillance
- Training laboratory and field staff on sample collection and transport
- Assistance in coordinating relevant stakeholders

**How it would work**

- We envision that stimulus packages would be tailored to the country context based on specific needs and data provided. Investors could fund single or multiple components of the package and interested parties could request access by emailing a designated contact person and providing:
  - A strategic plan forecasting country needs and outlining how, where and by whom the package will be implemented
  - Baseline figures on the incidence of rabies in humans and dogs
  - Relevant stakeholders
  - Proposed materials for awareness events

**Monitoring & Evaluation**

- Effective monitoring and evaluation are essential for success. This includes:
  - Reporting of numbers, locations and implementation strategies of each provided material at 6-month intervals
  - Feedback on knowledge uptake, such as number of dog vaccinations, number of surveillance systems, number of awareness events and number of persons seeking care
  - Comparison of actual needs with forecasted needs
“Dog-mediated human rabies elimination is feasible. The time to act is now.”

Overview

Rabies causes tens of thousands of human deaths every year. More than 99% of human rabies cases are caused by dog bites. These cases are preventable through dog vaccination to control the disease at its source, and through the provision of rabies vaccines and immunoglobulins to persons potentially exposed to rabies. A regional approach to rabies elimination is currently underway in the Indian subcontinent, and successful elimination campaigns have been implemented in other high-risk corridors (e.g. Eastern Europe). Global rabies control projects have generated considerable momentum in recent years, including the recently launched World Rabies Day in September of each year.

The concept: Rabies stimulus packages

This document outlines the concept of a stimulus package for rabies elimination. The aim of a stimulus package is to provide a toolkit to kick-start sustainable dog-mediated rabies elimination programmes. They are intended for application in pilot or demonstration areas, and can be adapted according to local area needs. Package components could include:

- Procurement of materials:
  - Dog rabies vaccines and consumables
  - Human rabies vaccine, immunoglobulins and consumables
  - Animal handling equipment
  - Diagnostic tools and reagents
  - Communication and awareness materials

- Capacity building:
  - Animal health worker training in animal handling and mass dog vaccination
  - Animal health professional training in rabies diagnosis
  - Medical staff training in pre- and post-exposure prophylaxis
  - Community education

- Technical support:
  - Strategic planning and development
  - Guidance on implementation of mass dog vaccination campaigns
  - Rabies surveillance

What is involved?

Procurement of materials

Dog-mediated human rabies elimination is feasible through vaccinating 70% of the dog population in high-risk corridors and source areas. Proposed materials include:

- Quality-assured dog rabies vaccines supplied through a vaccine bank
- Consumables such as syringes, needles, disinfectant and gloves
- Material to ensure cold chain (e.g. cold boxes)

Animal handling equipment

Safe catching and handling of dogs is imperative to the safety and welfare of both the handlers and the dogs. Proposed materials include:

- Safe catching equipment, e.g. nets and control poles
- Dog identification materials

Human rabies vaccines, immunoglobulins and consumables

To prevent infection, persons potentially exposed to rabies require immediate access to appropriate wound care and post-exposure prophylaxis (PEP). As recommended by the World Health Organization (WHO), these persons should be vaccinated and, if needed, rabies immunoglobulin (RIG) should be administered. Proposed materials include:

- Human rabies vaccines (pre-PEP and PEP)
- Human rabies immunoglobulins
- Consumables such as syringes, needles, disinfectant and gloves

Communication and awareness materials

Rabies awareness is essential to educate the public in bite prevention and timely treatment of wounds. Regular dog vaccination campaigns need to be accompanied by educational activities to ensure that the public is aware of key messages. To support education and increasing rabies awareness, the package could provide:

- Adaptable awareness materials for dog vaccination and responsible dog ownership
- Adaptable awareness materials for bite prevention and human PEP

Rabies achievement: Zero human deaths from canine-mediated rabies by 2030

“THIS PACKAGE WOULD PROVIDE TECHNICAL AND MATERIAL SUPPORT TO KICK START DOG-MEDIATED RABIES ELIMINATION PROGRAMMES”
DOG-MEDIATED HUMAN RABIES ELIMINATION IS FEASIBLE. THE TIME TO ACT IS NOW

Overview

The concept of a stimulus package for rabies elimination aims to provide a toolkit to kick-start sustainable dog-mediated rabies elimination programmes. These packages are intended for application in pilot or demonstration areas, and can be adapted according to specific area needs. The package components include:

- Procurement of materials:
  - Dog rabies vaccines and consumables
  - Human rabies vaccine, immunoglobulins and consumables
  - Animal handling equipment
  - Diagnostic tools and reagents
  - Communication and awareness materials

- Capacity building:
  - Animal health worker training in animal handling and mass dog vaccination
  - Animal health professional training in rabies diagnosis
  - Medical staff training in pre- and post-exposure prophylaxis
  - Community education

- Technical support:
  - Strategic planning and development
  - Guidance on implementation of mass dog vaccination campaigns
  - Rabies surveillance

Zero human deaths from canine-mediated rabies by 2030

This package would provide technical and material support to kick start dog-mediated rabies elimination programmes.

What is involved?

1. Procurement of materials
   - Dog rabies vaccines and consumables
   - Human rabies vaccine, immunoglobulins and consumables
   - Animal handling equipment
   - Diagnostic tools and reagents

2. Capacity building
   - Animal health worker training in animal handling and mass dog vaccination
   - Animal health professional training in rabies diagnosis
   - Medical staff training in pre- and post-exposure prophylaxis
   - Community education

3. Technical support
   - Strategic planning and development
   - Guidance on implementation of mass dog vaccination campaigns
   - Rabies surveillance

This package would provide technical and material support to kick start dog-mediated rabies elimination programmes.
"DOG-MEDIATED HUMAN RABIES ELIMINATION IS FEASIBLE. THE TIME TO ACT IS NOW"

Overview

ELIMINATION IS FEASIBLE

Rabies causes tens of thousands of human deaths every year. More than 99% of human rabies cases are caused by dog bites. These cases are preventable through dog vaccination to control the disease at its source, and through the provision of rabies vaccines and immunoglobulins to at-risk persons.

THE CONCEPT: RABIES STIMULUS PACKAGES

This document outlines the concept of a stimulus package for rabies elimination. The aim of a stimulus package is to provide a toolkit to kick-start sustainable dog-mediated rabies elimination programmes. They are intended for application in pilot or demonstration areas, and can be adapted according to specific area needs.

What is involved?

PROCUREMENT OF MATERIALS

1. Dog rabies vaccines and consumables
   - Quality-assured dog rabies vaccines supplied through a vaccine bank
   - Consumables such as syringes, needles, disinfectant and gloves
   - Material to ensure cold chain (e.g. cold boxes)

2. Animal handling equipment
   - Safe catching equipment, e.g. nets and control poles
   - Dog identification materials

3. Human rabies vaccines, immunoglobulins and consumables
   - Human rabies vaccines (pre-PEP and PEP)
   - Human rabies immunoglobulins
   - Consumables such as syringes, needles, disinfectant and gloves

4. Communication and awareness materials
   - Adaptable awareness materials for dog vaccination and responsible dog ownership
   - Adaptable awareness materials for bite prevention and human PEP

5. Technical support
   - Strategic planning and development
   - Guidance on implementation of mass dog vaccination campaigns
   - Rabies surveillance

"THIS PACKAGE WOULD PROVIDE TECHNICAL AND MATERIAL SUPPORT TO KICK START DOG-MEDIATED RABIES ELIMINATION PROGRAMMES"

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4. Community education

**Key resources**

- **CAPACITY BUILDING**
- **TECHNICAL SUPPORT**

Community engagement allows for self-sustaining solutions. Supporting these communities with educational tools and resources is a building block for success. Community education to raise awareness of the importance of rabies prevention, include:

- Training of personnel to safely catch and vaccinate dogs, such as:
  - Training courses on animal handling and vaccination techniques
  - Training laboratory and field staff on sample collection and transport
  - Training laboratory staff on the use of diagnostic tests
- Assistance in coordinating relevant stakeholders
- Training of laboratory staff in sample collection and the appropriate use of rabies diagnostic tests, such as:
  - Rabies diagnosis
  - Expert guidance on the development and implementation of strategic dog vaccination campaigns
  - Assistance in coordinating relevant stakeholders

- Implementation of the Stepwise Approach towards Rabies Elimination tool

We envision that stimulus packages would be tailored to the country context based on specific needs and data provided. Investors could fund single or multiple components of the package and interested parties could request access by emailing a designated contact person and providing:

1. A strategic plan forecasting country needs and outlining how, where and by whom the package will be implemented
2. Baseline figures on the incidence of rabies in humans and dogs, and control measures currently in place
3. Rabies surveillance support
4. Training of personnel on exposure prophylaxis
5. Guidelines for wound management, PEP use and categorization of suspect contacts
6. Treatment posters, booklets and general media for health professionals

**HOW IT WOULD WORK**

The stimulus package would be tailored to the country context based on specific needs and data provided. Investors could fund single or multiple components of the package and interested parties could request access by emailing a designated contact person and providing:

1. Reporting of numbers, locations and implementation strategies of each provided material at 6-month intervals
2. Feedback on knowledge uptake, such as number of dog vaccinations, number of animals vaccinated, number of awareness events and number of persons seeking care
3. Comparison of actual needs with forecasted needs

**MONITORING & EVALUATION**

- Reporting of precise figures and implementation progress
- Comparison of actual needs with forecasted needs
- Comparison of wound management for health professionals
- Evaluation tools for monitoring and evaluation of each component of the package
- Evaluation tools for monitoring and evaluation of each component of the package

**STIMULUS PACKAGE FOR ELIMINATING DOG-MEDIATED HUMAN RABIES**

**A CONCEPT**
4. Community education

Key resources

CAPACITY BUILDING

TECHNICAL SUPPORT

Community engagement allows for self-sustaining solutions. Supporting these communities with educational tools and awareness programs is a building block for success.

Community education to raise awareness of the importance of rabies prevention includes:

- Training courses on community education and awareness
- Rabies factsheet.

Rationale for investing in the global stimulus package for eliminating rabies:

- Training of personnel to safely catch and vaccinate dogs
- Training laboratory staff in sample collection and the appropriate use of rabies diagnostic tests
- Assistance in coordinating relevant stakeholders
- Implementation of the Stepwise Approach towards Rabies Elimination tool
- Training of laboratory staff on sample collection and transport
- Guidelines for wound management, PEP use and categorization
- Implementation of the Stepwise Approach towards Rabies Elimination (SARE) tool
- Training of medical staff on inpatient and outpatient care for rabies
- Treatment posters, booklets and general media for health professionals

HOW IT WOULD WORK

The combination of the stimulus package includes the following elements, which provide a comprehensive approach to rabies elimination:

- Strategic, well-planned mass dog vaccination campaigns
- Baseline figures on the incidence of rabies in humans and dogs
- Surveillance systems to identify high-risk areas for rabies transmission and can assist in resource allocation for targeted interventions

MONITORING & EVALUATION

Implementers of the stimulus package will be required to report on a 6-month basis providing:

1. Reporting of numbers, locations and implementation strategies of each provided material at 6-month intervals
2. Feedback on knowledge uptake, such as number of dog vaccinations, number of campaigns conducted, number of awareness events and number of persons seeking care
3. Comparison of actual needs with forecasted needs

STIMULUS PACKAGE FOR ELIMINATING DOG-MEDIATED HUMAN RABIES

A CONCEPT