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Global Control Efforts to minimise burden of rabies



Global and Regional burden of rabies

Globally

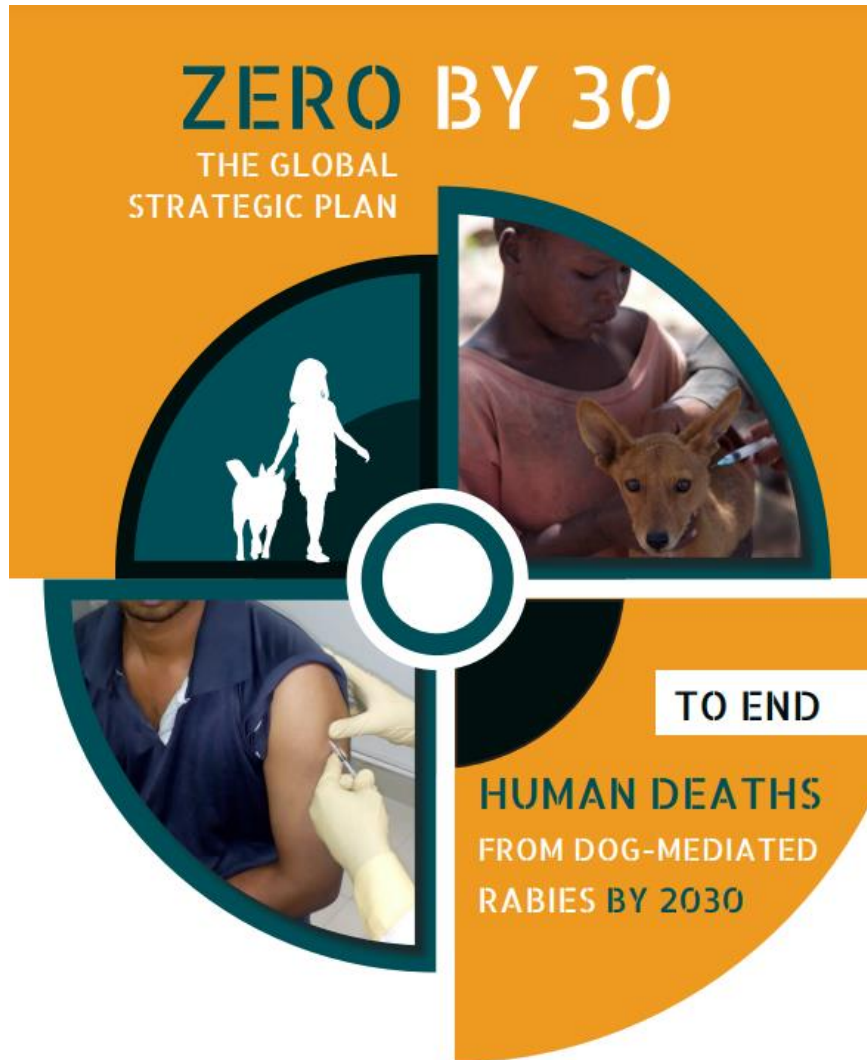
- Approximately 150 countries
- 59,000 human deaths (estimated) annually despite being 100% preventable
- 99% human rabies cases due to bites from infected dogs
- 3.7 million disability-adjusted life years (DALYs) lost each year
- Economic burden of 8.6 billion USD annually
- Loss of livestock and working animals

Middle East and Arabian Peninsula

Reported number of human rabies deaths											
2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
No data	No data	No data	No data	0	0	0	0	0	0	0	0
No data	No data	No data	No data	0	0	0	No data	0	0	0	0
No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data	0
No data	No data	No data	No data	0	0	0	No data	No data	0	0	0
No data	No data	No data	No data	1	2	3	No data	No data	0	No data	No data
No data	0	No data	No data	No data	No data	No data	No data	No data	No data	No data	No data
No data	No data	No data	No data	No data	No data	No data	No data	48	No data	No data	No data

- 2015:** WOAHA Regional Commission for the Middle East adopted 'Control of rabies in the Middle East with emphasis on stray dog control' as a technical item
- 2023:** WOAHA Regional Commission for the Middle East → Recommendations on importance of One Health
- Key challenges:** increase in dog bite cases, underreporting of rabies cases, lack of adequate resources for DPM, few countries conducting mass dog vaccination

Zero by 30: the Global Strategic Plan to end human deaths from dog-mediated rabies by 2030



- ❖ Launched 2018
- ❖ One Health approach
- ❖ Country-centric
- ❖ Objective 1: to effectively use vaccines, medicines, tools and technologies
- ❖ Objective 2: to generate, innovate and measure impact
- ❖ Objective 3: to sustain commitment and resources



United Against Rabies Forum



United Against Rabies

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Images: On

We are United Against Rabies.

1 every 9 minutes
1 person dies from rabies every 9 minutes and almost half of them are children.

99%
Up to 99% of human rabies infections are caused by a bite from a rabid dog.

100% preventable
We have effective dog vaccines and vaccines to treat people who are bitten.

© World Animal Protection

- Established by FAO, WHO and WOAHA in September 2020 to **implement ‘Zero by 30’**
- An inclusive network of stakeholders from a range of sectors with a common vision to achieve **zero human deaths from dog-mediated rabies by 2030**
- Engage with the rabies community through website, webinars, newsletters, social media, podcast
- Coordinate stakeholders to better **support countries** in implementation of rabies control
- www.unitedagainstrabies.org

Together, we can end all human deaths from dog-mediated rabies by 2030.

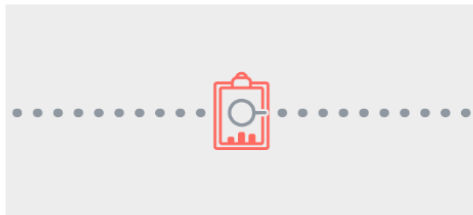
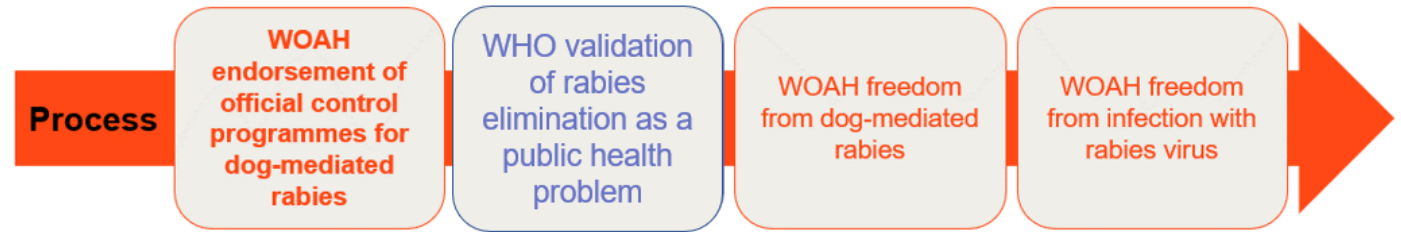
Supported by FAO, WOAHA and WHO (the Tripartite), the United Against Rabies Forum takes a multi-sectoral, One Health approach bringing together governments, vaccine producers, researchers, NGOs and development partners.

Join us



Are we progressing towards Zero by 30?

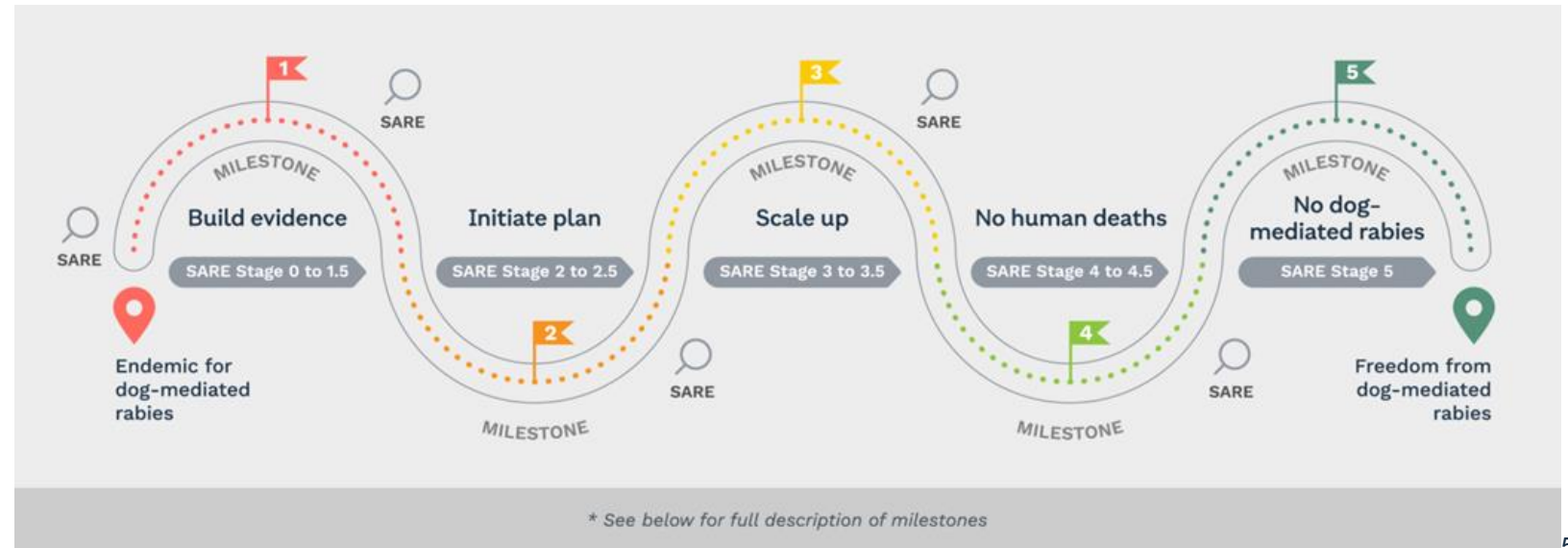
- Objective 1: to effectively use vaccines, medicines, tools and technologies
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SARE Assessment

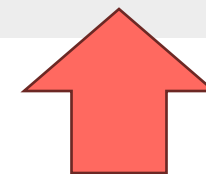
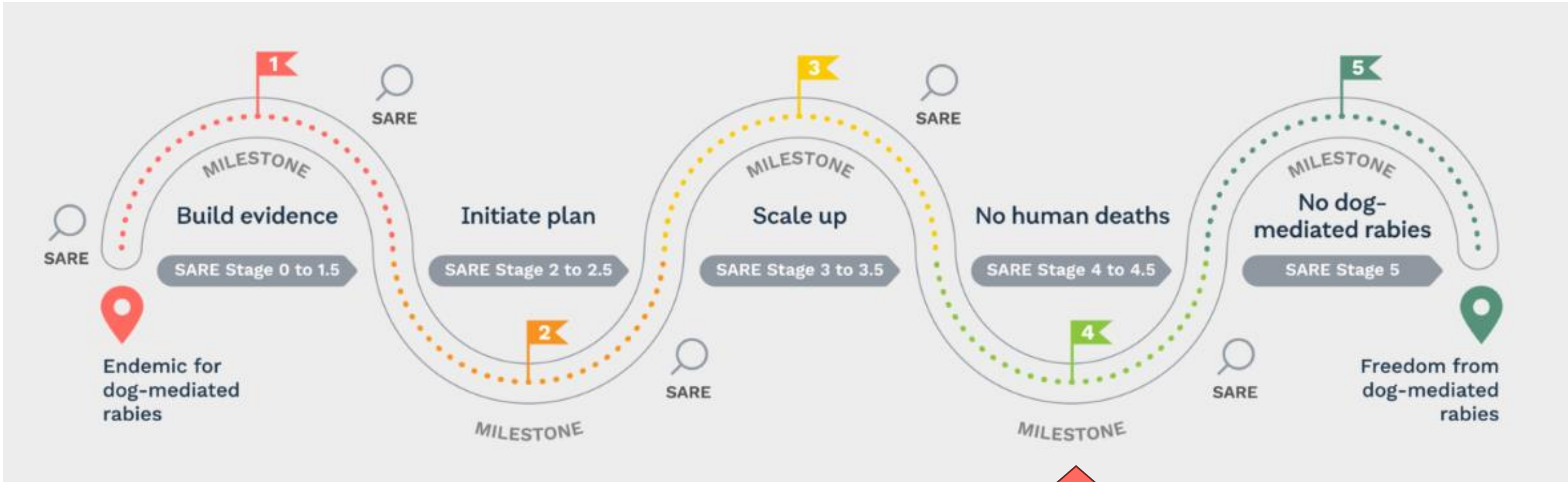
SARE is a key element of the Rabies Roadmap and is recommended as starting point to help countries assess their current rabies status and measure progress in relation to current rabies control efforts. *See full description below.*

SARE Assessments should be taken regularly throughout the roadmap journey to assess progress and refine the workplan.





United Against Rabies Roadmap



Zero by 30 goal
(WHO Validation)

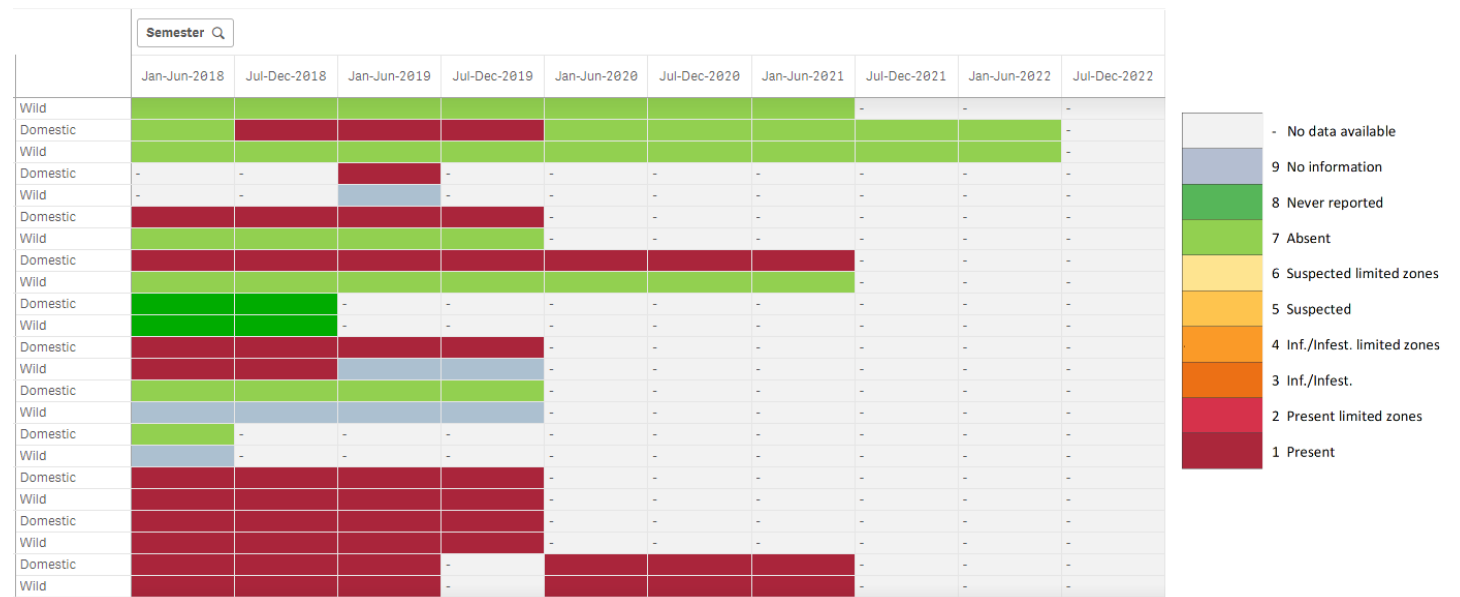


Building evidence

Reported number of human rabies deaths ⁱ							
2017	2016	2015	2014	2013	2012	2011	2010
No data	No data	No data	No data	No data	No data	No data	No data
0	0	0	0	No data	No data	No data	No data
18	24	12	7	No data	No data	No data	No data
No data	No data	No data	No data	No data	No data	No data	No data
No data	No data	No data	No data	No data	No data	No data	No data
No data	No data	No data	No data	0	0	No data	No data
No data	No data	0	0	0	0	0	0
No data	No data	No data	No data	No data	0	0	0
No data	No data	No data	No data	No data	No data	0	0
0	0	0	0	0	0	0	0
No data	No data	No data	No data	No data	No data	No data	No data
No data	No data	No data	No data	No data	0	0	0
0	0	0	0	0	0	0	0
No data	No data	No data	No data	No data	No data	No data	No data
No data	No data	No data	No data	No data	0	0	0
No data	0	0	0	0	1	2	No data

❖ Poor rabies data → poor political will and investment

❖ Need to **build evidence** and collect **reliable data**



Building evidence

Minimum Data Elements for Monitoring and Evaluation of National and International Rabies Control Programs.

Version 2, January 2023



- ❖ Improve laboratory and diagnostic capacity, surveillance and reporting
- ❖ Communication between human and veterinary health stakeholders
- ❖ Reporting data: Field → National → International (WHO Global Health Observatory, WOAH World Animal Health Information System)



Reference Laboratory network
for rabies



Data sharing is critical to demonstrating progress

Minimum Data Elements for Monitoring and Evaluation of National and International Rabies Control Programs.

Version 2, January 2023



- ❖ Who do I share data with?
 - Competent authorities
 - Can facilitate by having a **national point of contact for rabies**
- ❖ Why?
 - Highlights true burden of rabies
 - Measures progress and demonstrate success
 - Empowers decision making and informs resource needs/allocation
 - Mandate of WOA and WHO Member Countries
- ❖ How?
 - Field → National → International
 - Health authorities → WHO Global Health Observatory
 - Veterinary Services → WOA World Animal Health Information System
 - **Note: There are some excellent tools available to help data collection and reporting – this data should still be reported internationally**

Initiate plan – Developing a National Strategic Plan

A generic template for developing a national strategic plan to eliminate rabies

January 2023



- Provides a framework with clear activities, roles and responsibilities
- Brings together key stakeholders to contribute to rabies control in the country
- Testifies government commitment to progressing toward **Zero by 30**



Toolbox

From vaccination to education, we present a comprehensive online toolbox of guides, apps and other resources to help you plan, prioritise and implement your rabies control programmes.

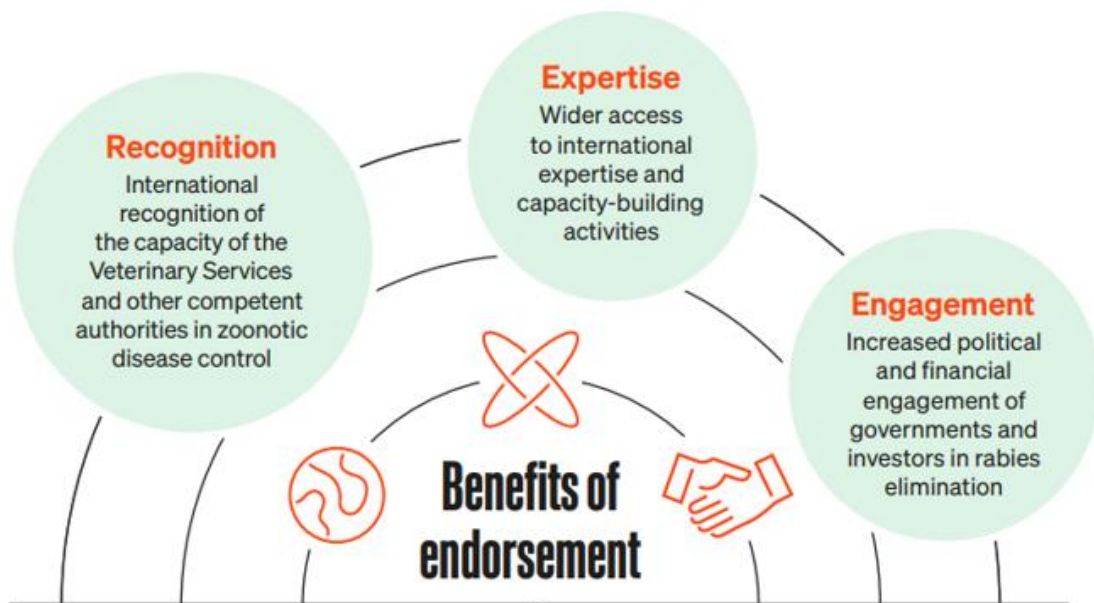
[Find out more](#)



Milestone 2 Initiate plan

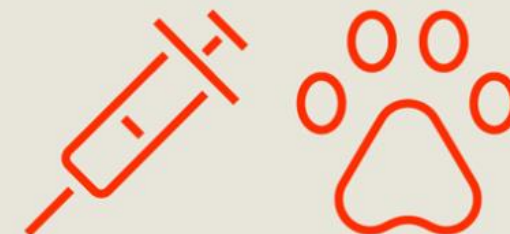
Dog-mediated rabies is endemic. The country has built a strong case in support of rabies elimination and is in the process of initiating rabies elimination initiatives at the national-level.

WOAH endorsement of official control programmes



Maximise your country's efforts against rabies

Apply for endorsement of your official control programme for dog-mediated rabies

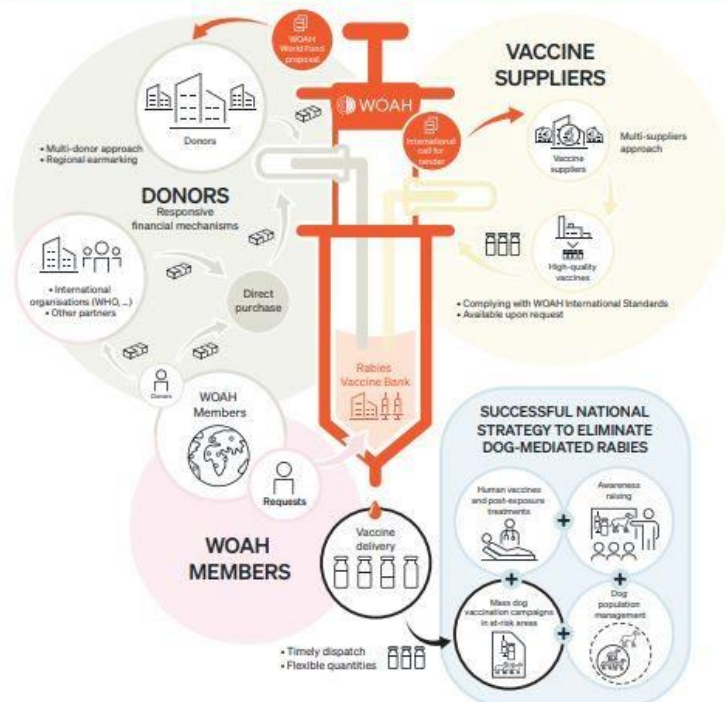


Scale up

CANINE RABIES VACCINES TO SAVE HUMAN LIVES

RABIES kills nearly 59,000 PERSONS PER YEAR with more than **99%** of cases originating from infected **DOG BITES**.

By providing high-quality dog vaccines, our vaccine bank helps countries implement vaccination campaigns and eliminate dog-mediated human rabies.



Toolbox

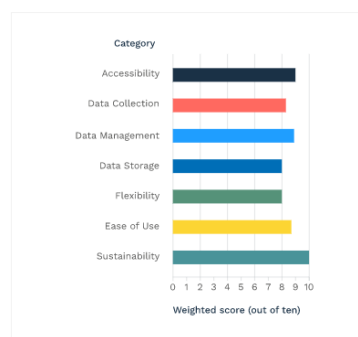
From vaccination to education, we present a comprehensive online toolbox of guides, apps and other resources to help you plan, prioritise and implement your rabies control programmes.

Landscaping of Resource Partners for Rabies in [Country] – Template Version 1, September 2022



Photo credit: © WOA

UAR Evaluation Matrix



Evaluations are performed using the 'UAR Evaluation Matrix', a rabies-specific tool evaluation instrument adapted from the FAO-WOAH-WHO Tripartite Surveillance and Information Sharing Operational Tool evaluation process and instrument.

Accessibility 9

Focuses on i) logistics for accessing and using the tool, ii) the platforms on which the tool runs (if applicable), iii) relevant costs, and iv) the level of user support that is provided by the developer/manufacture.

Data collection and needs 8.3

Focuses on the type of data that is captured by the tool.

Data management and utility 8.9

Focuses on the data analysis and outputs provided by the tool

Data storage and protection 8

Focuses on data ownership, protection and storage.

Flexibility 8

Focuses on the interoperability of the tool and its adaptability for use in different contexts or scenarios.

Ease of use and training needs 8.7

Focuses on the training requirements, including the level of complexity and difficulty to navigate and understand the tool as well as the technical or operational skillsets that are required to use the tool.

Sustainability 10

Focuses on the different scenarios that indicate how sustainable the tool has been and whether it has been thoroughly field-tested for implementation.



Highlighting the successes and progress

- ⌘ Does your country still have dog-mediated rabies, but a robust One Health National Strategic Plan for rabies is in place?
 - Veterinary services should contact WOAAH regarding endorsement of official control programme for dog-mediated rabies.

- ⌘ Has your country had zero human deaths from dog-mediated rabies for at least 24 months?
 - Health authorities should contact WHO regarding validation procedures (WHO TRS 2018)

- ⌘ Is your country free of dog-mediated rabies?
 - Veterinary authorities should contact WOAAH regarding self-declaration of freedom from dog-mediated rabies.

Together, we can end all human deaths from dog-mediated rabies by 2030.

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Join the Community and share your stories


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Is your organization working on rabies control?
Will you join us?

Membership of the United Against Rabies Forum is open to all organizations committed to rabies control and elimination and whose work or activities contribute to this goal.

© Tarryn Hatchett



Eliminating dog-mediated rabies: addressing barriers to scaling up dog vaccination campaigns

Watch this webinar to learn more about addressing barriers in order to scale up dog vaccination campaigns to effectively prevent and control rabies.

[Watch here](#)



Case Study: Namibia
Fighting rabies with a multisectoral One Health approach.

[View case study](#)



Rabies Today

Episode 3
Dogs, Dogs, Dogs!

Image Credit: WORLD ANIMAL PROTECTION

[< News and Case Studies](#)

Rabies experts urge Gavi to implement PEP investment

By: United Against Rabies



Thank you!

Contact: r.tidman@woah.org
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Website: www.unitedagainstrabies.org