

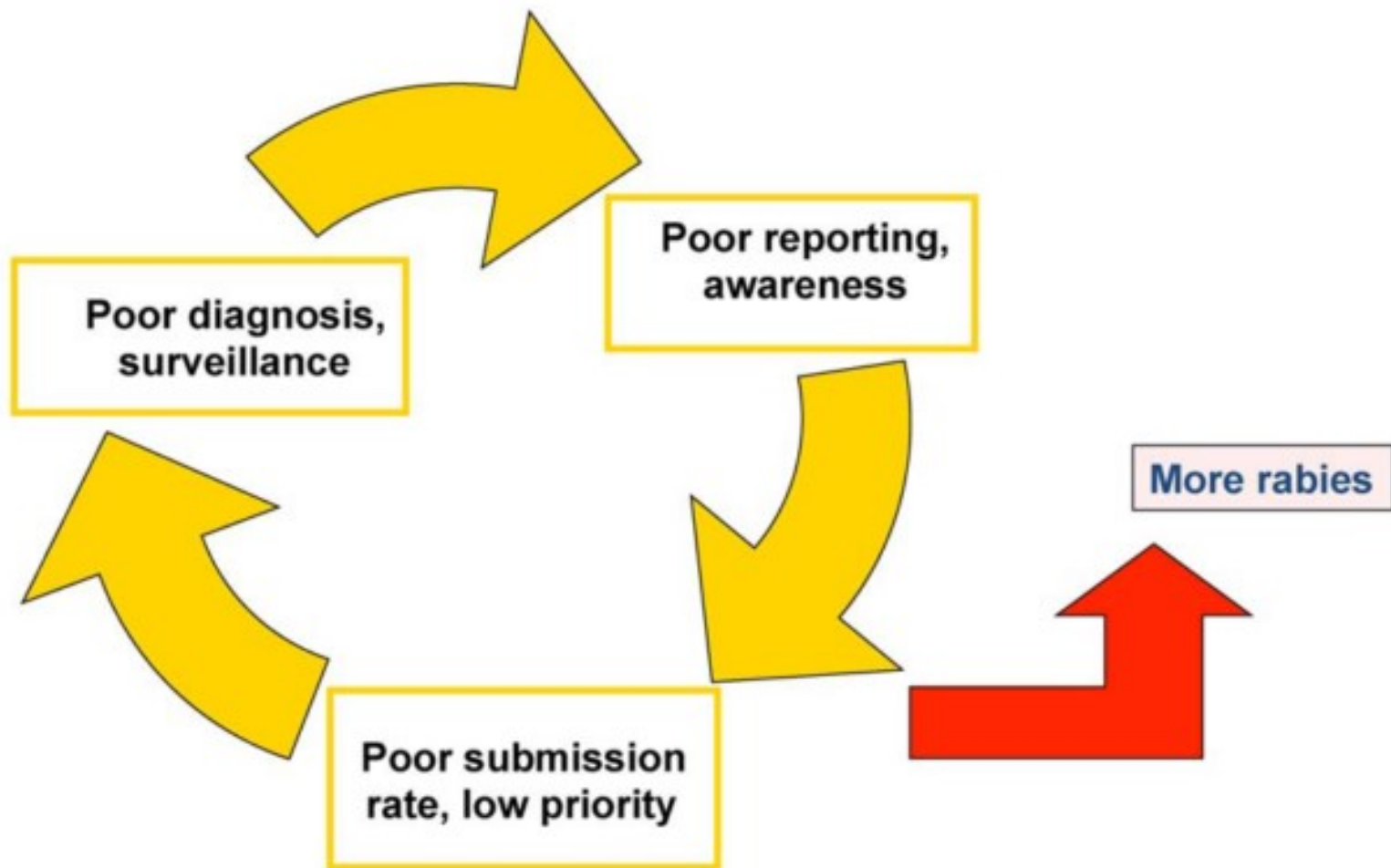


Importance of Data

Global Alliance for Rabies Control
GARC-CDC-ZDU East Africa meeting
Nairobi, Kenya
7-9 February 2017

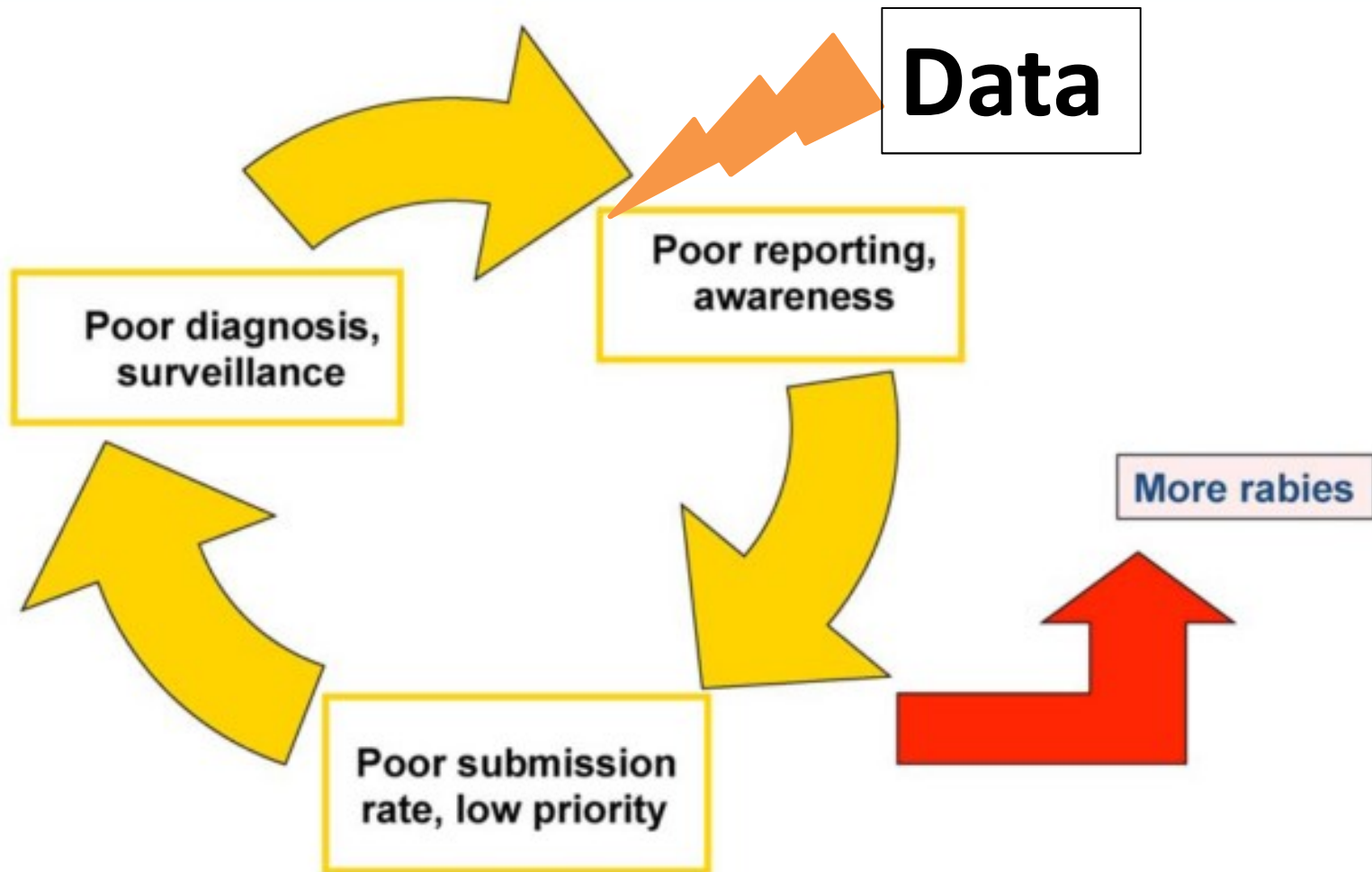
Disease Prioritization

**Rabies circle of neglect:
Fuelled by poor laboratory diagnosis and surveillance**

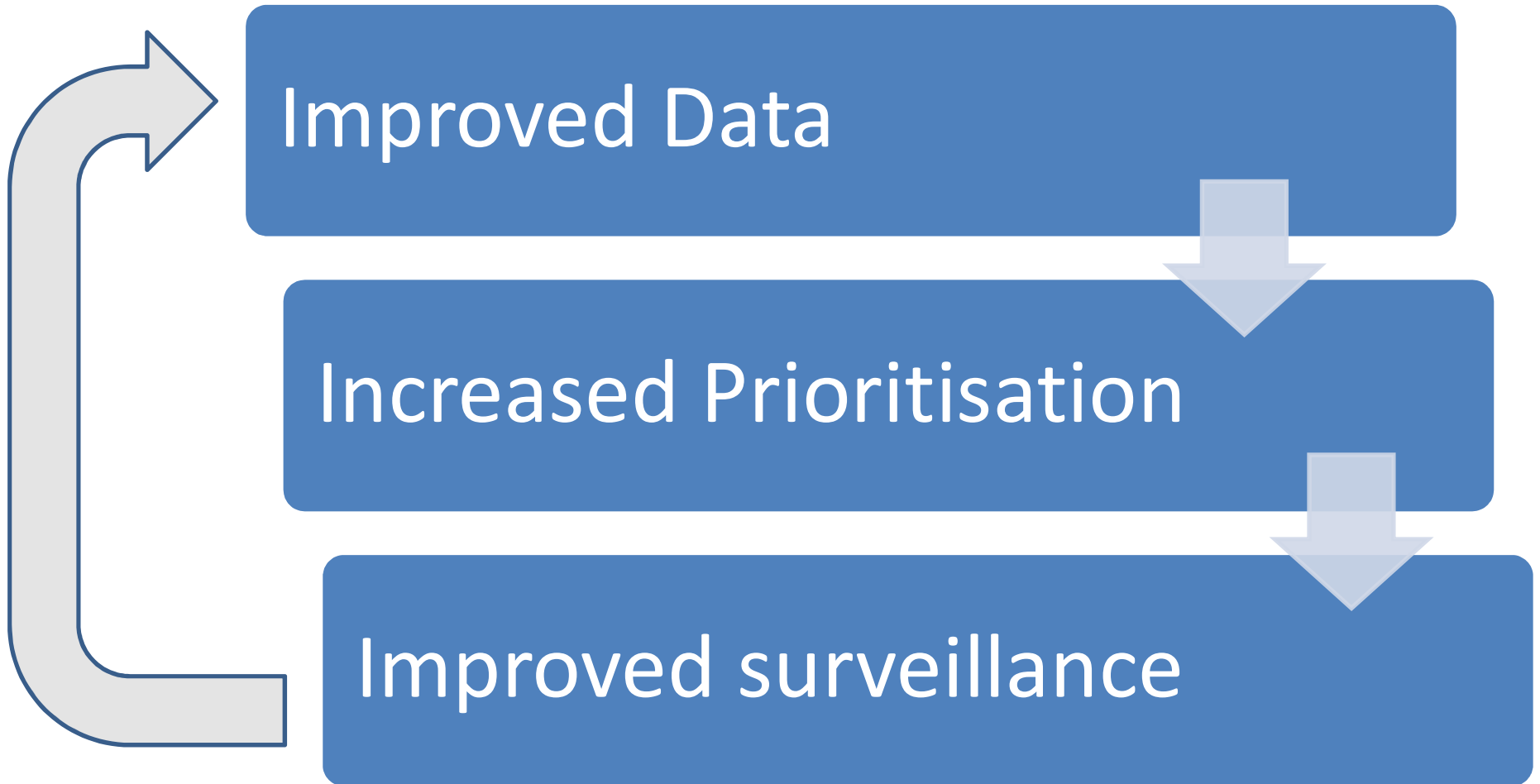


Disrupting the cycle

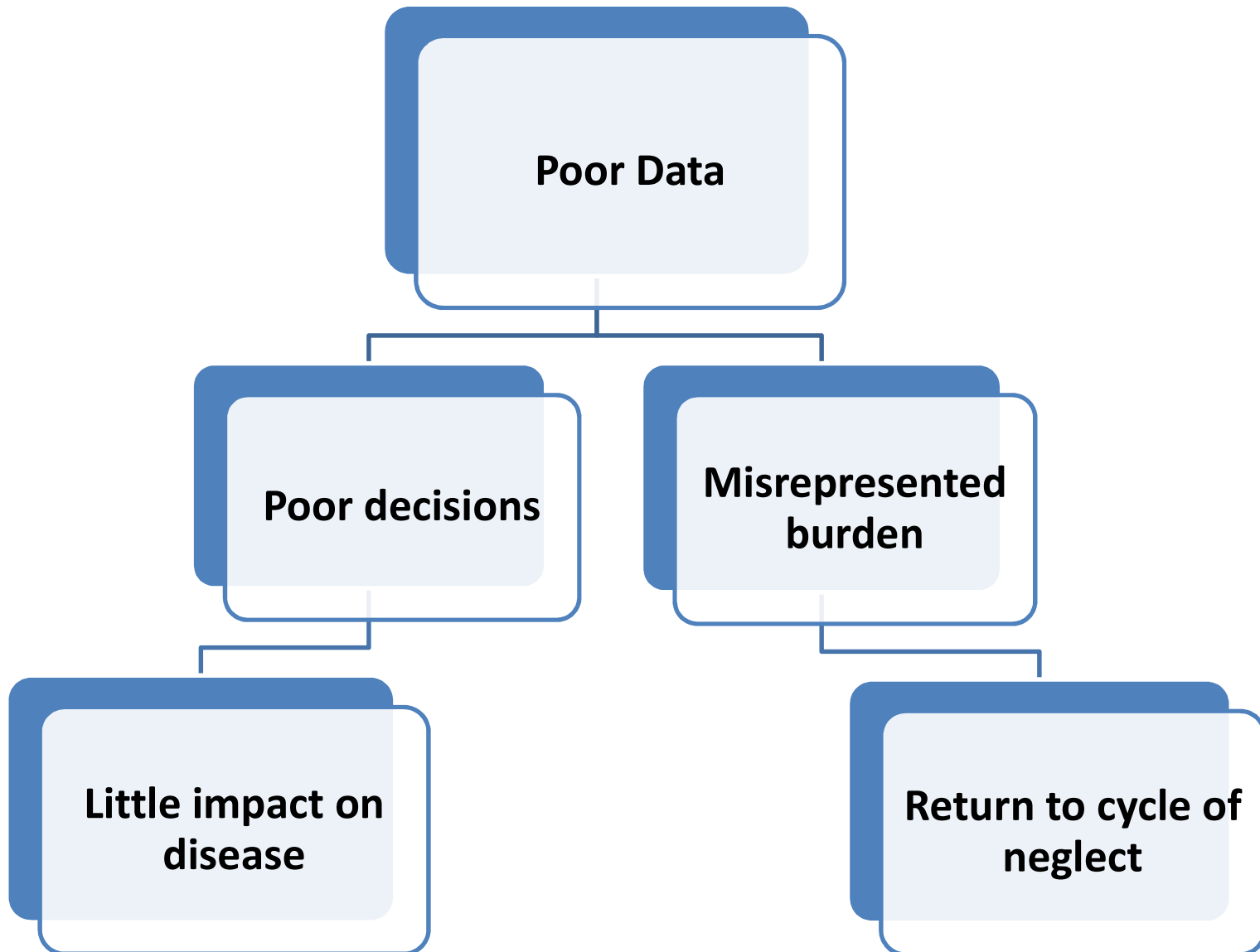
Rabies circle of neglect:
Fuelled by poor laboratory diagnosis and surveillance



How data breaks the cycle



BUT...



Good data vs Poor data

Good data

- ✓ Accurate
- ✓ Timely
- ✓ Can be analysed further
- ✓ Meaningful

Poor data

- X Partially complete
- X Late
- X Irrelevant to specific aim
- X Never analysed/processed

Obtaining data... is not always easy!



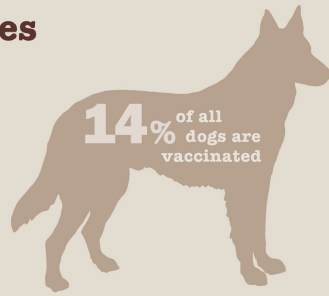
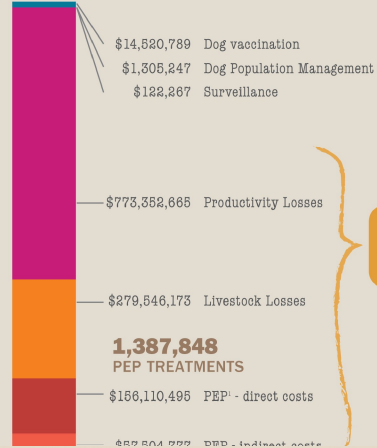
What can be done with good data?

- Determine the true burden of the disease
- Influence decisions to improve control efforts
- A platform for advocacy
 - Prioritisation
 - Funding
 - Support
 - Recognition
- Evaluate progress towards elimination

Making a statement

Africa: Annual Cost of Rabies

\$1,282,462,412 usd

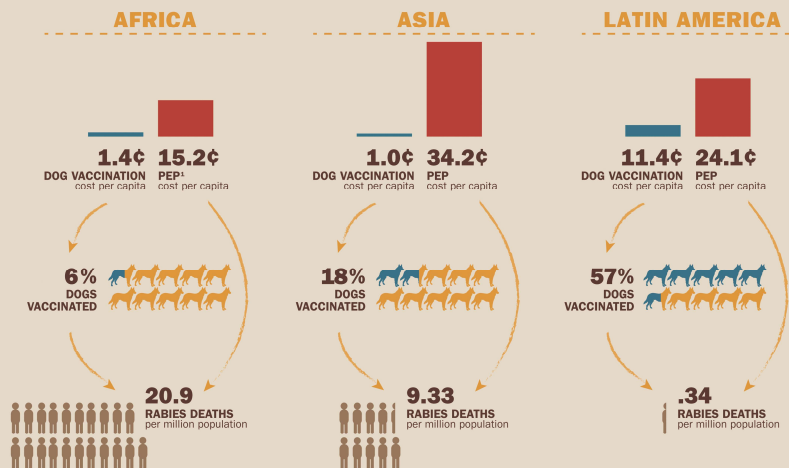


AVOIDABLE LOSSES
\$1,266,514,109 = **\$1.23** per capita

HUMAN POPULATION: **1,028,700,000**

847,326 EXPOSURES **1,345,643** DALYS¹ LOST **21,502** DEATHS

Current Spending on Rabies Vaccination

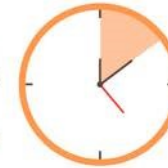


1 PEP - Post Exposure Prophylaxis is a course of vaccinations that protects a person against rabies after exposure to the virus. Costs are in US currency.
 Source: Estimating the Global Burden of Endemic Canine Rabies, K. Hampson et. al. PLoS Negl Trop Dis. 2015 May;9(5)

WHY WE NEED TO END RABIES NOW

Canine rabies is one of the world's oldest diseases, eliminated in countries like the US and the UK, but still a daily threat to millions around the world.

Every **09** minutes, a person dies from **RABIES.**



100% of human cases are preventable.



Vaccinating **70%** of dogs in at-risk areas can eliminate canine rabies.

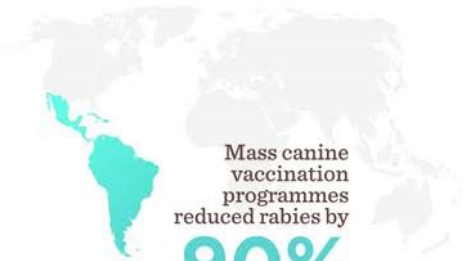


Domestic dogs cause over **99%** of human rabies deaths.

Nearly **85%** of the world is at risk of contracting canine rabies.



95% of human rabies deaths occur in Africa and Asia.



Mass canine vaccination programmes reduced rabies by **90%** in Latin America.

Canine rabies kills more than **59,000** people every year.



2.9 million lives are saved annually due to preventative measures.