



U.S. Centers for Disease Control and Prevention's

One Health Zoonotic Disease Prioritization Process

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The health of humans is connected to the health of animals and the environment.

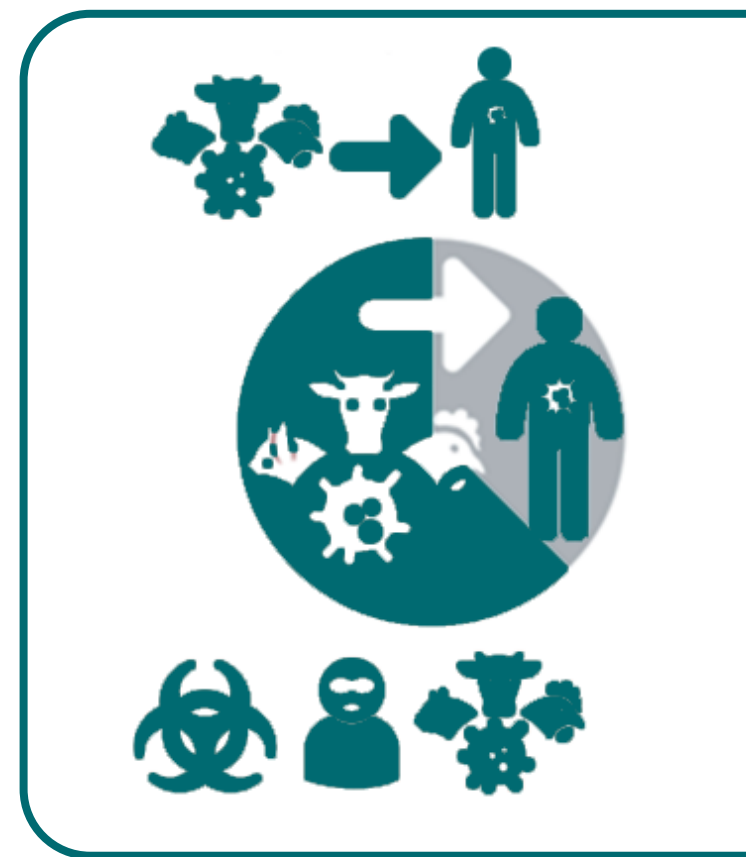


One Health



Zoonotic Diseases are a Threat to Health Security

- **60%** of existing human infectious diseases are zoonotic
- **At least 70%** of emerging infectious diseases of humans (including Ebola, HIV, and influenza) have an animal origin
- **5 new human diseases** appear every year. Three are of animal origin.
- **80%** of agents with potential bioterrorist use are zoonotic pathogens



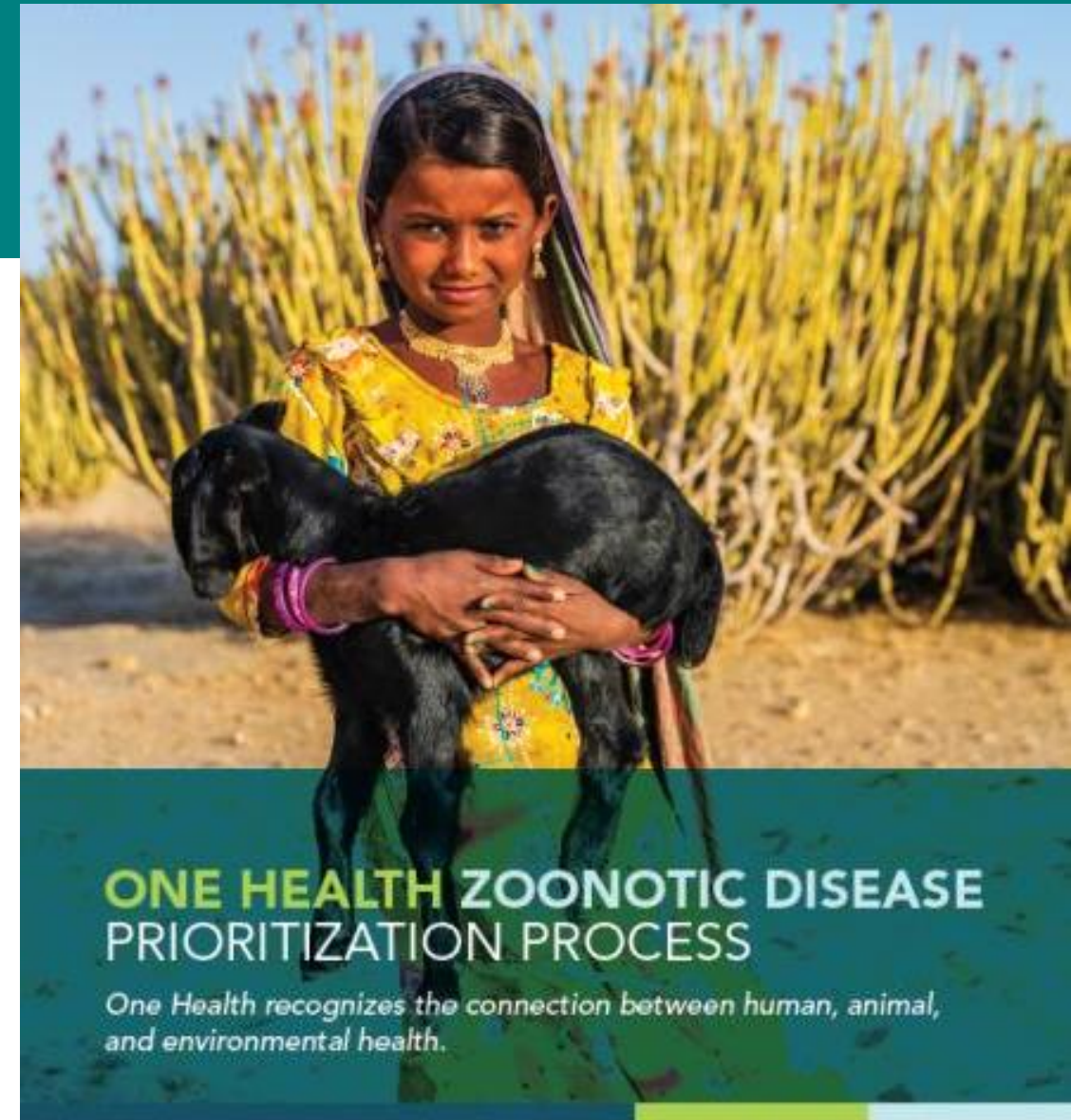
CDC's One Health Work around the World

- **Provide** technical assistance to countries
- **Partner** with key global organizations
 - **Technical assistance (WHO, USAID)**
 - **Host** CDC One Health Liaisons
 - ◆ Food and Agriculture Organization of the United Nations (**FAO**)
 - ◆ World Organization for Animal Health (**OIE**)
- **Serve** as head of OIE Collaborating Center for Emerging and Reemerging Zoonotic Diseases
- **Support** Global Health Security activities
- **Lead** CDC's One Health Zoonotic Disease Prioritization process



One Health Zoonotic Disease Prioritization (OHZDP) Process

- **Uses a multisectoral, One Health approach to prioritize zoonotic diseases of greatest concern**
 - Transparent process with equal input from human, animal, and environmental health sectors
 - Qualitative, to semi-quantitative, to quantitative data-driven approach
- **Allows for local adaptation**
- **Flexible and scalable with real-time outcomes**
- **Informs assessments, planning efforts, or strategy development relevant to One Health**



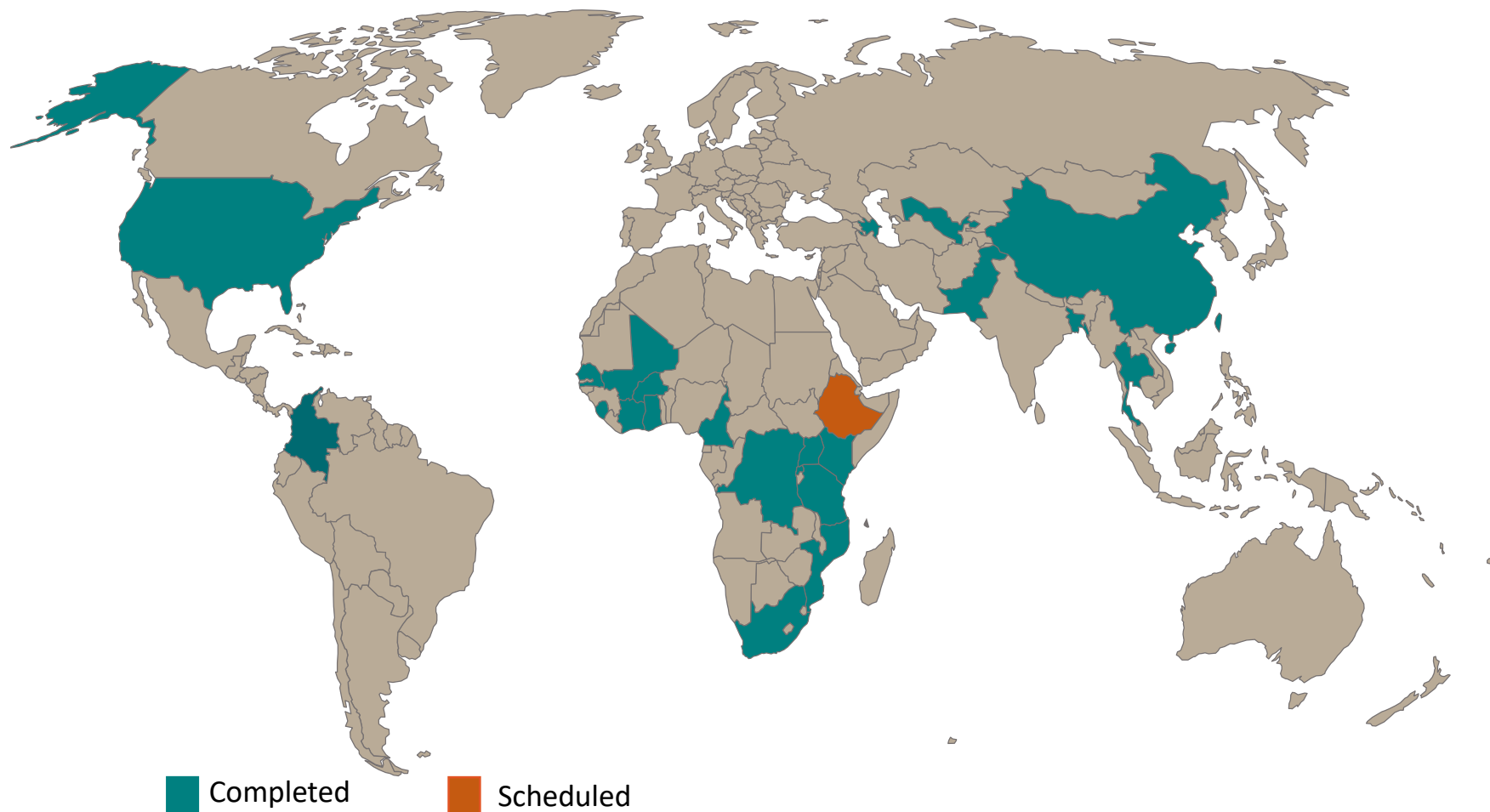
Goals for the OHZDP Workshop

To use a multisectoral, One Health approach to:

1. Prioritize zoonotic diseases of greatest concern for a country, region, or other area
2. Develop next steps and action plans to address the priority zoonotic diseases in collaboration with One Health partners



Priority Zoonoses around the Globe



Most Commonly Prioritized Zoonotic Diseases Globally

Rabies (24 of 25
workshops to date)

Zoonotic Influenzas

Viral Hemorrhagic Fevers

Anthrax

Brucellosis

Rabies as Priority Zoonosis

Human health impact:

- Virtually 100% fatal in humans once symptoms appear
- 59,000 persons or more die of rabies each year
- Most human cases occur in Asia and Africa, 40% in children below the age of 15

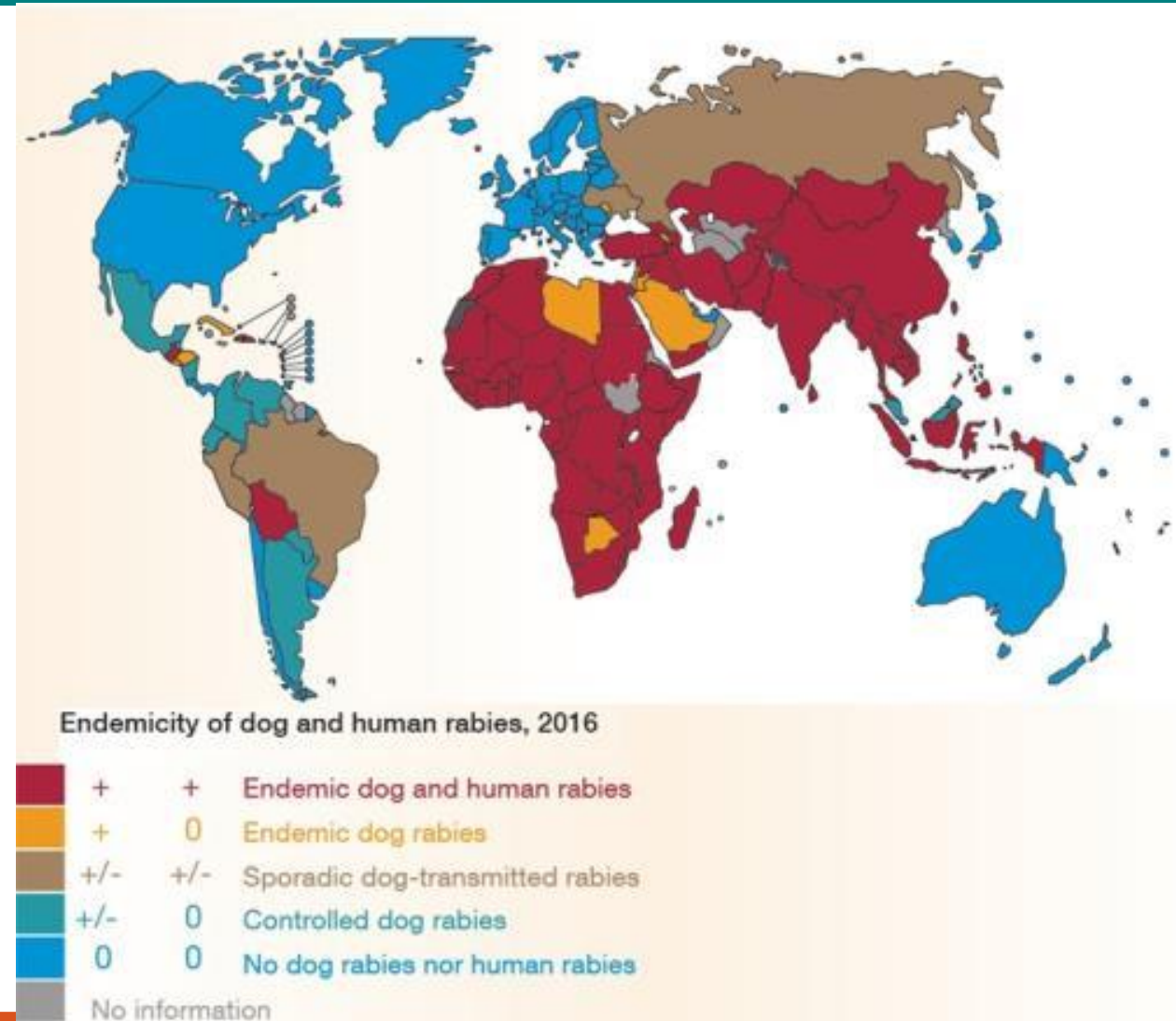
Economic and food security impact:

- Economic impact estimated at US \$8.6 billion annually, 6% to livestock losses.
- Community disruption by threat of rabid dogs has additional food safety impact

Model disease for the One Health approach:

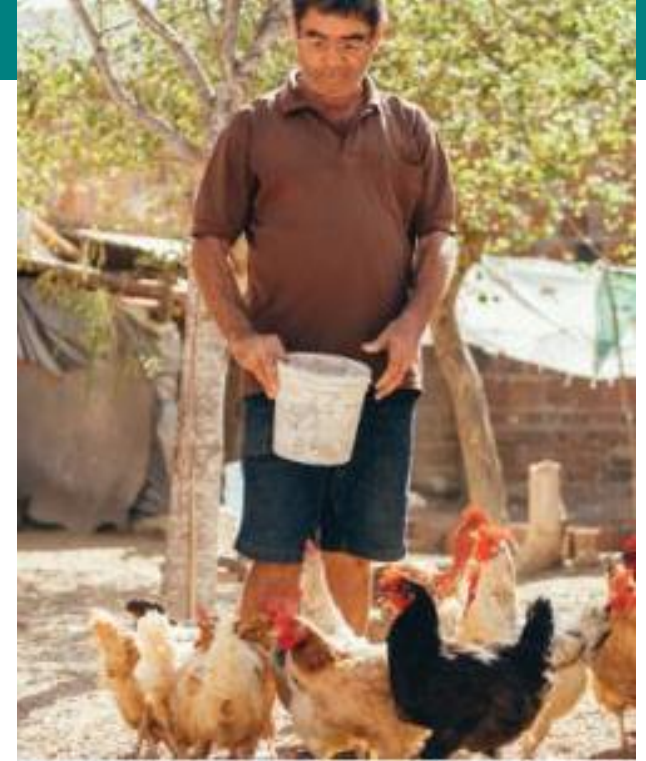
- Must be addressed in cross sectoral, systemic manner
- Veterinary services, health services, wildlife services and local communities need to work together to address rabies in livestock, wildlife and also dogs

<https://doi.org/10.1371/journal.pntd.0003709>



Outcomes of OHZDP Process

- A list of priority zoonotic diseases of greatest concern agreed upon by all represented One Health sectors
- Recommendations for next steps and action plans for multisectoral, One Health engagement to address the priority zoonotic diseases
- Understanding of the roles and responsibilities of all represented One Health sectors
- The creation or strengthening of multisectoral, One Health coordination mechanisms and networks
- A report highlighting the outcomes of the workshop to help advocate for One Health priorities



Outcomes of OHZDP Process


Major action items following OHZDP Workshops include (but not limited to)

- Obtaining ministry support of a new or updated national plan
- Developing national One Health strategy, guiding principles, or work plan
- Identifying funding and technical assistance
- Creating One Health coordinating mechanism or working group
- Improving reporting, surveillance and data sharing across sectors
- Strengthening the One Health workforce
- Improving community outreach/communication

OHZDP Resources

- Find info on the OHZDP process here:
 - <https://www.cdc.gov/onehealth/global-activities/prioritization.html>
- See reports, related publications, and more
- Stay connected for future updates!

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