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Disease Surveillance Tabletop Exercise

Understanding new and emerging
challenges to effective
disease surveillance activities

Objectives



- Understand the tabletop exercise format and purpose
- Feel comfortable participating in discussion to identify areas for potential future engagement activities
- Communicate and provide feedback during discussions
- Take information home to share with colleagues

Why do we use tabletop exercises?



Tabletops are tools to simulate an emergency situation

- Informal, safe, stress free environment
- See how different roles, agencies interact during an emergency
 - Identify functional roles and responsibilities
 - Meet colleagues working in similar areas, facing same challenges
- Review plans, procedures, and policies

- **Many types of tabletop exercises exist**
 - Plan and test emergency preparedness systems
 - Small group discussions to system strengths and weaknesses

Why ask so many questions?



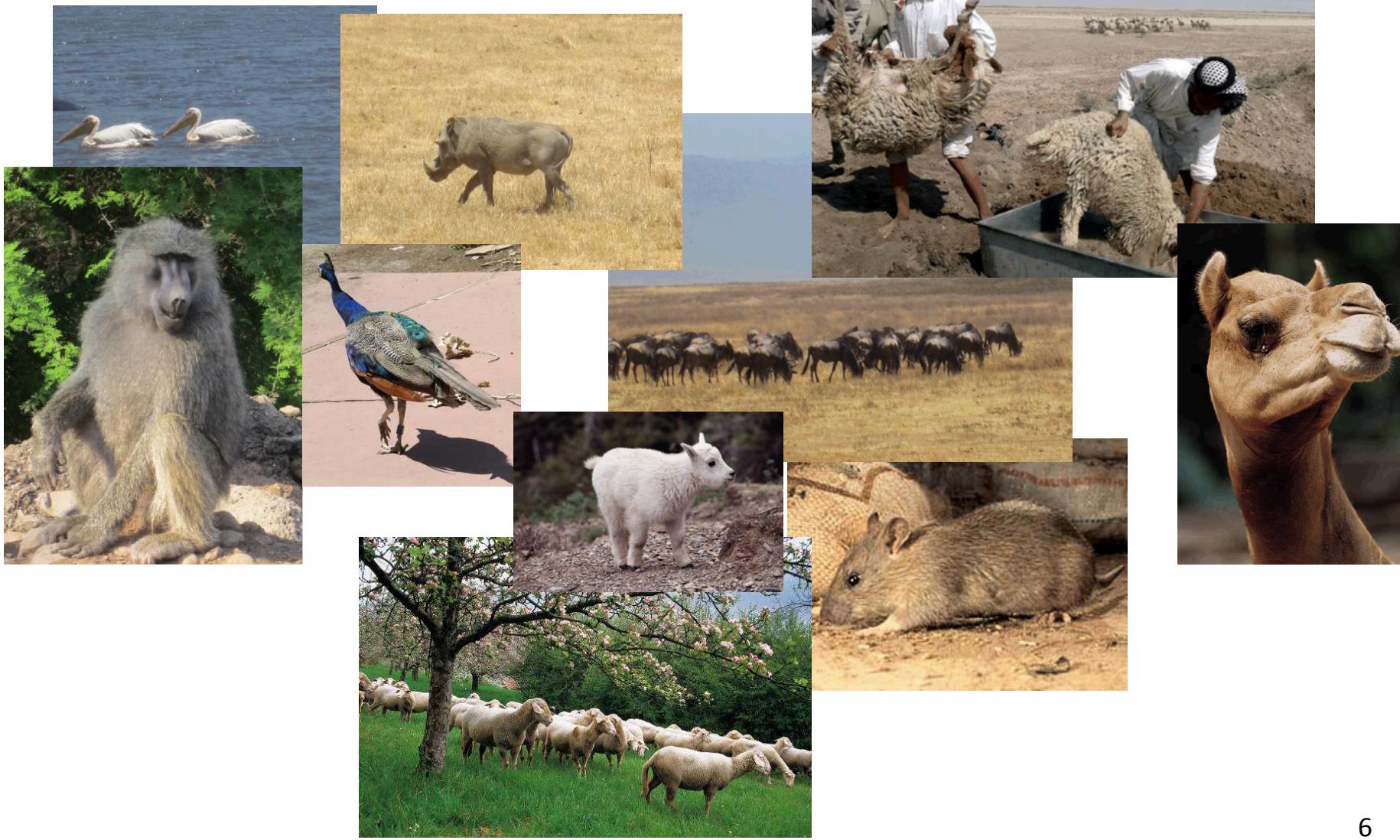
- Have answers ready in case of a real-life incident
- Understand the process from start to finish
 - Identify opportunities for collaboration
 - Prioritize areas needing improvement
- Develop a more comprehensive accurate model
 - Identify efficient use of resources
 - Identify strengths and gaps in the system

Who participates in this tabletop?



Group	Where are they from	Role
Facilitators	US- Sandia National Laboratories	Guide discussion
Note takers		Capture information shared Help prepare takeaway messages
Epidemiologists	Yemen	Provide background on outbreak investigation & surveillance
Laboratorians		Share expertise in lab roles in disease surveillance

What focus on a zoonotic agent?



Animal and human interaction: A risk in disease emergence



Emerging and Reemerging infections - 70% vector-borne or zoonotic



One Health



- One Health movement
 - Interdisciplinary collaborations to address the interconnected health issues facing people, animals and the environment
- Zoonotic disease
 - Contagious diseases spread between animals and people
 - 61% of human pathogens are zoonotic
 - 75% of emerging, reemerging infections are vector-borne or zoonotic
- Early warning of impending outbreaks
 - Animals are sentinels, showing signs before people
 - May show signs of exposure to toxic or infectious hazards in environment before humans

Zoonotic disease surveillance matters



- Early detection of health hazards
 - Biological agents or toxins in the environment
- Interdisciplinary communication, collaboration can improve disease detection and response
- Prevention of infectious diseases transmission
 - Animal contact can pose a risk of zoonotic infectious disease
 - Disease control in animals can help limit human exposure

What makes a tabletop successful?



- YOU!
- Let us develop a set of guidelines or rules to operate by during these discussions:

Reasons to actively participate



- Unique opportunity to identify priority areas for cooperative engagement before an emergency occurs
 - World is more interconnected today
 - Diseases do not stop at borders
 - Prevention often requires cooperative approach in global community
- Identify training needs to improve surveillance systems
 - Address needs for timely disease detection in animals, people
 - Leverage knowledge from colleagues within country and region
 - Useful to prepare donor requests
 - Budget justifications

Discussion overview



- Scenario presentation
 - Discuss the information
 - Compare scenario to what actually happens
 - Compare what happens to what you would like to see happen
 - Identify additional information needs
- Share role in addressing the issues in the scenario
 - What information do you share
 - When do you share information
 - With whom is information shared
 - Where do the specimens go
 - How are results reported
 - To whom do you reach out for assistance

Roles and responsibilities



Name	Role	Responsibility

How this information will be used



- Not identified on an individual basis
- Develop model based on participant responses
 - Answers to the questions important to design accurate model
- Participate evaluation and input on process model
- Prioritize engagement focus
 - Use as a tool to inform decision making
 - Identify systems working well and why they are successful
 - Can successes be replicated in other, lower-performing areas

Break

