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## Priority from 2023 AHSWG meeting

- **Capacity building**
  - need training for surveillance – at upcoming NA meeting, any areas identified by Directors for training, training for lab personnel
  - Conduct training needs assessment
  - Identify needs of KAZA for specific diagnostic tests – logical next step to lab assessment (starting points are the priority diseases)
  - Take note of the training undergone by H4H eco-rangers for surveillance
  - Leads: Laura, VFWT

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## Initial Feedback

- Capacity building areas
  - Training for field staff, including surveillance
  - Training for laboratory staff
  - Diagnostic tests
- Discussions at 2023 cross-border harmonization meeting on TADs
- Discussions with DVS personnel

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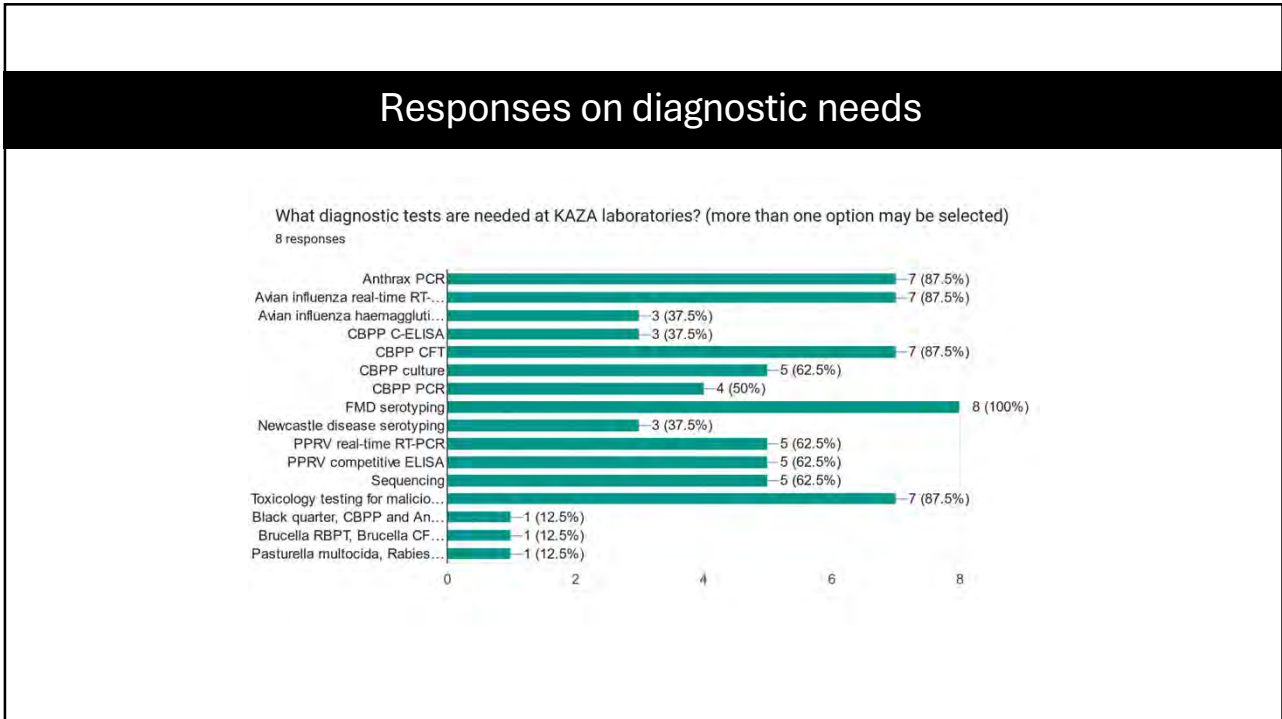
## Survey

Google Survey sent to

- AHSWG members
- Laboratory staff
- Epidemiologists

Only 8 responses received

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## Top Priorities for Diagnostics

- FMD serotyping
- Anthrax PCR
- Avian influenza real-time RT-PCR
- CBPP CFT
- Toxicology testing for malicious poisoning

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## Medium Priorities for Diagnostics

CBPP culture

PPRV real-time RT-PCR

PPRV competitive ELISA

Sequencing

CBPP PCR

Avian influenza haemagglutination inhibition

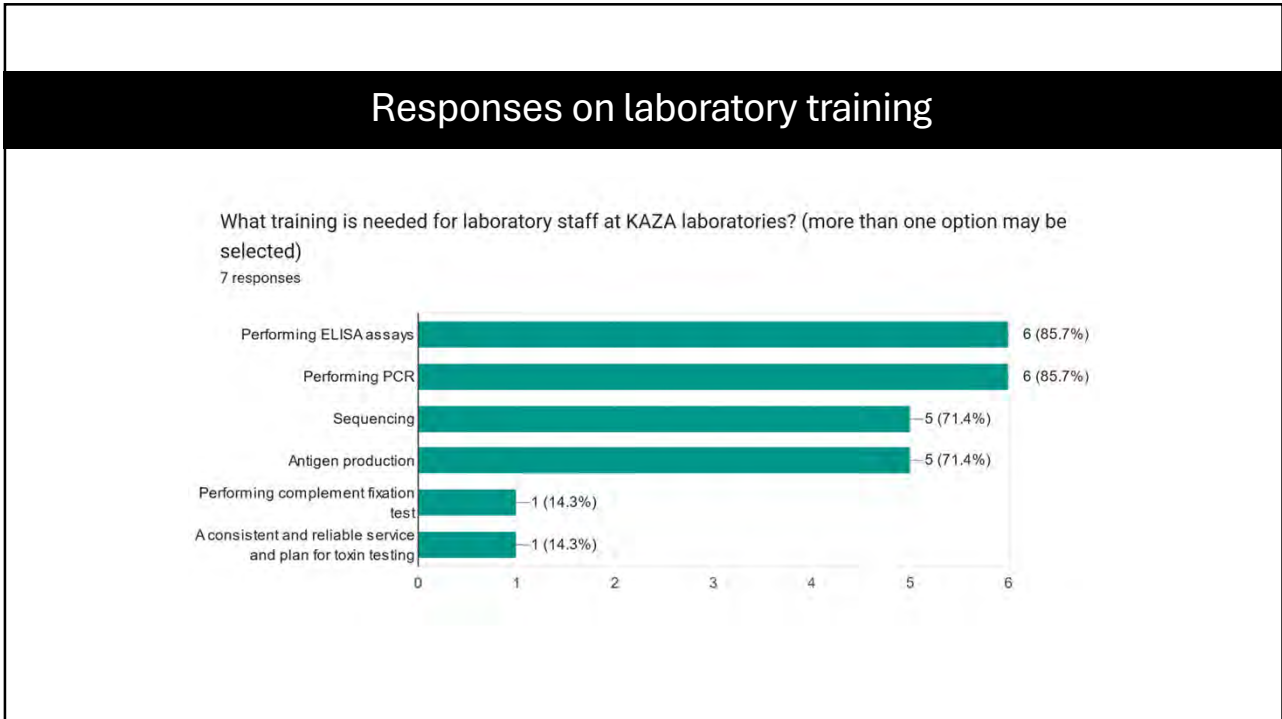
CBPP C-ELISA

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## Other Priorities for Diagnosis

- Culture & sensitivity
- Black quarter isolation
- Anthrax isolation
- Brucella RBPT
- Brucella CFT
- Anthrax microscopy
- Tick identification
- TB intradermal testing
- TB serology
- *Pasteurella multocida*
- Rabies
- TB
- Distemper
- LSDV

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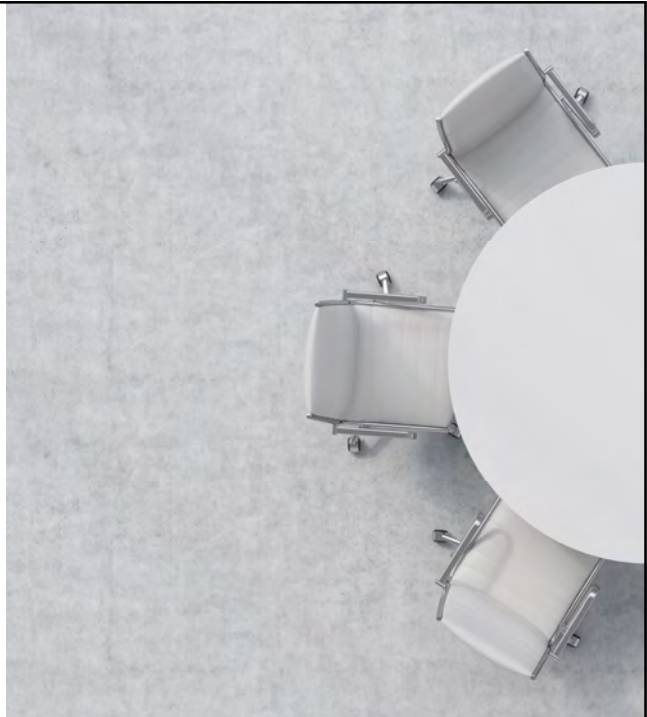
## Top Priorities for Laboratory Staff Training

- Performing ELISA assays
- Performing PCR
- Sequencing
- Antigen production
- Performing complement fixation test
- Tick identification
- Bacterial culture and isolation

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## Opportunities for Training

- Funding for specific training intermittently available through OVI
- Provide staff name and training required

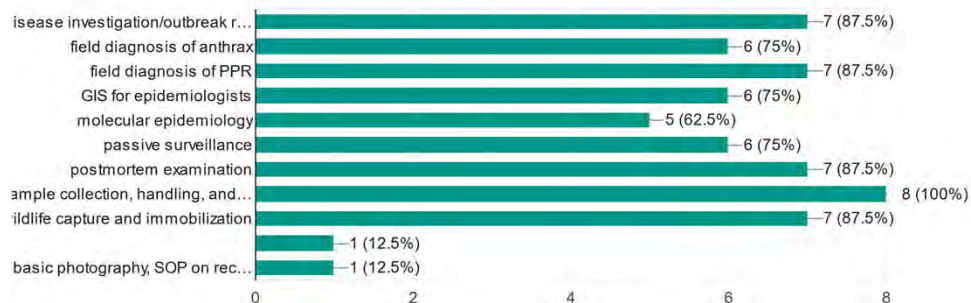


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## Responses on field staff training

What training is needed for field staff in KAZA? (more than one option may be selected)

8 responses



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## Top Training Priorities for Field Staff

Sample collection, handling and transportation	Disease investigation/ outbreak response
Field diagnosis of PPR	Postmortem examination
Wildlife capture and immobilization	Passive surveillance
Field diagnosis of anthrax	GIS for epidemiologists

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## A comprehensive summary

For many field staff, the main goal is to understand if it is disease, natural cause, poaching, or crime, and if the latter two, to not contaminate the scene, and if disease or natural, to collect samples and store them properly

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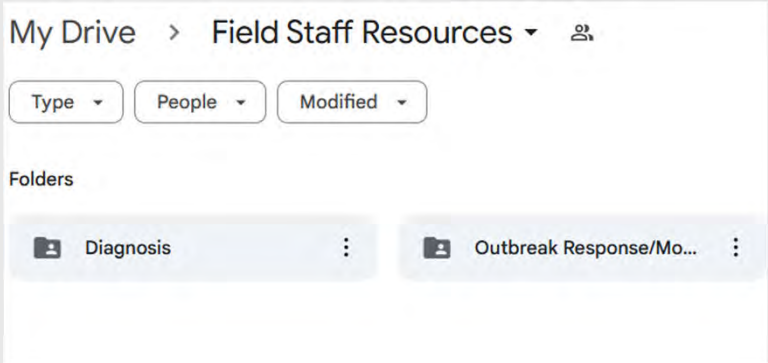
## Other Priorities for Field Staff

- Molecular epidemiology
- Data recording SOP
- Basic photography and wildlife crime scene recognition
- Field diagnosis of rabies
- Data analysis using EpiTools

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## Resources Available

- Google Drive repository set up with pdf resources:



My Drive > Field Staff Resources

Type People Modified

Folders

- Diagnosis
- Outbreak Response/Mo...

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## Group Discussion

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### Developing a KAZA Laboratory Network

- Avoid duplication of efforts
- Which tests should be done at which labs?
- Sample movement must be efficient!

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## Toxicology Testing

No KAZA laboratories have forensic toxicology capacity

No current capacity at OVR – coming back Q3 2024

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## Challenges to Building Toxicology Capacity

High cost of equipment, consumables and routine maintenance

Shipping costs to KAZA

Availability of certified technicians for maintenance/repairs

Availability of trained technicians for day-to-day operation (and troubleshooting) of machinery

Inconsistent power supply can damage equipment

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## Opportunities for AHSWG members to train KAZA colleagues?

Sample collection, handling and transportation

Disease investigation/ outbreak response

Postmortem examination

Field diagnosis of anthrax

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## Need for KAZA-wide SOP for wildlife mortality events?

Sample collection, handling and transportation

Disease investigation/ outbreak response

Postmortem examination

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Malilangwe  
UZ  
GCF  
South Africa  
Others?

Wildlife  
capture and  
immobilization

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FAO?

Field  
diagnosis of  
PPR

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Cornell?  
Others?

Passive surveillance

GIS for epidemiologists