

# Transmission routes and dynamics of AMR along poultry value chain in Uganda

## OBJECTIVES:

1. Quantify the levels of AMR (E.coli, Salmonella, Campylobacter)
2. Determine the Selection and persistence of AMR strains
3. Determine genetic relatedness of the isolates
4. investigation of mobile genetic elements associated with AMR transfer

## PROGRESS:

- ❖ Proposal
- ❖ Admission
- ❖ Protocol development
- ❖ IRB
- ❖ Procurement of supplies
- ❖ Selection of farms

- ❖ Sampling
- ❖ Laboratory analysis
- ❖ 1<sup>st</sup> and 2<sup>nd</sup> Publication
- ❖ Laboratory analysis – BfR
- ❖ 2<sup>nd</sup> and 4<sup>th</sup> Publication
- ❖ Dissertation submission
- ❖ Graduation

## CHALLENGES:

1. COVID 19
2. Lockdown

## SUPERVISORS:

1. Arshnee Moodley
2. John Elmerdahl Olsen



## FARM SCOPING EXERCISE:

1. Conducted to inform the research design and assess study site conditions



**SITES:** Wakiso and Soroti districts

**Activity:** Farm scoping

**Period:** April - July 2021

## Findings:

- ☐ Closed farms
- ☐ Devastating lockdown effects
- ☐ Diseases outbreaks
- ☐ Differing site condition
- ☐ Excess use of antibiotics in Wakiso
- ☐ Very limited use of antibiotics in Soroti

**BY:** NDOBOLI DICKSON; +256783407616, D.Ndoboli@cgiar.org