

## Integrated (human health and animal health) surveillance and reporting system for 15 zoonotic diseases in Kenya

**Project Title:** P356 - Evidence that counts for zoonoses

**Description of the innovation:** The integrated surveillance and reporting system in Kenya combines entomological surveillance with disease surveillance of animals in markets and slaughterhouses with disease surveillance of humans at hospital sentinel sites and a single laboratory processing material for diagnosis of 15 different zoonotic infections. The unified field and laboratory reporting system is based on a commercial-sector designed application on smartphones and is accessible to county-level and national-level governments. System is described in <https://doi.org/10.3389/fvets.2019.00252>.

**New Innovation:** No

**Stage of innovation:** Stage 2: successful piloting (PIL - end of piloting phase)

**Innovation type:** Production systems and Management practices

**Geographic Scope:** Sub-national

**Number of individual improved lines/varieties:** <Not Applicable>

**Country(ies):**

- Kenya

**Description of Stage reached:** System co-designed by ILRI researchers and piloted in three counties. Recent evaluation highlighted lack of integration between sectors, leading to disease under-reporting and inefficiencies. Operational research was conducted to refined the system. Results published and highlight importance of engaging with local stakeholders and providing timely feedback to ensure on-going compliance.

**Name of lead organization/entity to take innovation to this stage:** ILRI - International Livestock Research Institute

**Names of top five contributing organizations/entities to this stage:**

- KEMRI - Kenya Medical Research Institute
- University of Liverpool
- University of Edinburgh
- Busia County Government (Kenya)
- UoN - University of Nairobi

**Milestones:** No milestones associated

**Sub-IDOs:**

- 43 - Enhanced institutional capacity of partner research organizations
- 20 - Reduced livestock and fish disease risks associated with intensification and climate change

**Contributing Centers/PPA partners:**

- ILRI - International Livestock Research Institute

**Evidence link:**

- <https://hdl.handle.net/10568/102403>

**Deliverables associated:** <Not Defined>

**Contributing CRPs/Platforms:**

- A4NH - Agriculture for Nutrition and Health