COVID-19 impact on zoonotic disease risk solutions in displaced populations

Cambridge Global Food Security Food for Thoughts Coffee Break Seminar
Dorien Braam, June 2020
Displacement
Zoonotic disease

• Infectious diseases that spread between animals and humans
  • > 60% of emerging infectious diseases
  • COVID-19; Bovine Tuberculosis, Brucellosis

• Emergencies and health
  • respiratory
  • gastrointestinal

• Displacement increases risks
  • overcrowding
  • living conditions
Risk factors

• Disease risk during disasters & conflict
• Health in displacement
• Ecosocial theory (Krieger, 1994)
Case study I: Sindh
Environmental displacement

• Movement
  • Formal vs informal (relatives)
  • Transportation

• Livestock
  • Loss: disaster, accidents, theft
  • Disease at destination and return

• Responses
  • (lack of) policies
  • Animals away from formal camps: fodder, health
Seasonal migration
Coastal erosion
Superfloods 2010
Case study: Mafraq
Conflict displacement

- Since 2011
  - Protests > conflict
  - Forced migration until 2015

- Livestock
  - Internal displacement (sales, theft)
  - Smuggling

- Refugees
  - 1.1 million in Jordan
  - >80% outside refugee camps
Refugees
Seasonal migrants -> refugees
Preliminary findings

• Displacement
  • Policies; refugee/ IDP status
  • Animal loss: sales, conflict, accidents, theft
  • Smuggling

• Animal diseases
  • Regional endemic diseases
  • At destination and return

• Human health complaints
  • Respiratory, gastrointestinal, fever, skin
  • Zoonoses: occupational hazard

• Responses
  • Compound hazards multiply or equalize
  • Public vs private sector
  • Formal (fodder, health) vs informal/ traditional responses; restocking
COVID-19

• Impact
  • National policies
  • Movement restrictions
  • Lockdowns, curfews

• Food supply
  • Seasonal (labour) migration
  • Market closures

• Responses
  • Localized
  • Innovation
  • Transdisciplinary: multidimensional, integrated and participatory
Acknowledgements

Prof James Wood
Dr Freya Jephcott
Prof Emeritus Madeleine Arnot

Dr Rafiq Chandio
Naeem Chandio
Zoya Fateh Muhammad

IFAD Jordan

UNIVERSITY OF CAMBRIDGE
Department of Veterinary Medicine

GATES Cambridge

Mary Euphrasia Mosley Fund

GLOBAL FOOD SECURITY

ST JOHN’S COLLEGE
UNIVERSITY OF CAMBRIDGE

NRSP National Rural Support Programme

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