INTEGRATED WORKING

A ONE HEALTH APPROACH
People with different, critical skills working together to:
- Understand the evolution and transmission of pathogens among chickens and to people.
- Identify behaviour, regulations, policies, and social, economic, and cultural factors that affect disease transmission and spread.

ONE HEALTH POUlTRY HUB

TACKLE ONE HEALTH FORWARD WITH US
Actively seeking collaborations and partnerships:
- Including with the private sector, industry, regulations, development organisations and others.
- Working alongside other research projects and organisations.

FOR CHANGE

ONE HEALTH SOLUTIONS
Tackling the issues and their risks so that we:
- Understand how to develop interventions tailored to local contexts.
- Can see them put into practice in our case study countries of Bangladesh, India, Sri Lanka and Vietnam, as well as elsewhere in Asia.

INTEGRATED WORKING WITH OTHERS

More than 1 TRILLION hen eggs produced globally each year

More than 100 MILLION TONNES chicken meat produced globally each year

PRODUCTION

DISTRIBUTION

CONSUMPTION

BACTERIAL FOOD POISONING

Salmonella and Campylobacter
Two key causes of diarrhoeal diseases
both carried by chicken and chicken products

ANTIMICROBIAL RESISTANCE (AMR)

The causes of antimicrobial resistance are complex.
A significant proportion is thought to stem from inappropriate antimicrobial drug use in animal production for food. AMR is a threat to peoples’ health everywhere.

AVIAN INFLUENZA

Avian influenza (H5N1) viruses circulate naturally among wild aquatic birds. When they affect farmed chickens they can cause major production losses, with severe impacts for farmers’ livelihoods and national economies. Avian influenza viruses can also mutate and evolve rapidly, potentially into new, pandemic human strains.

48% PREDICTED INCREASE IN WORLD CHICKEN PRODUCTION 2017-2050

71% FRACTION OF PRODUCTION GROWTH EXPECTED FROM ASIA

46 COUNTRIES in Asia, Europe, Africa, and the Middle East affected by the highly pathogenic avian influenza virus (H5N1) since 2003

WE ARE CURRENTLY WORKING IN BANGLADESH, INDIA, SRI LANKA AND VIETNAM

Risk Factors:
- Complex farm-to-plate chains
- Poorly regulated antibiotic use
- Low biosecurity
- Behaviours

10 MILLION DEATHS from AMR expected annually by 2050

UNLESS URGENT ACTION IS TAKEN

INTEGRATED WORKING

TOWARDS SAFER AND MORE SUSTAINABLE POULTRY PRODUCTION

Different types of chicken and egg production and distribution, in differing contexts, bring serious public health challenges requiring carefully tailored interventions.