# 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

More than

**1 TRILLION** 

hen eggs

produced globally

each year

8 CKANGE

**ONE HEALTH** 



NTEGRATED WORKING

People with different, critical skills working together to:

> assess 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.

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HEALTH

POULTRY



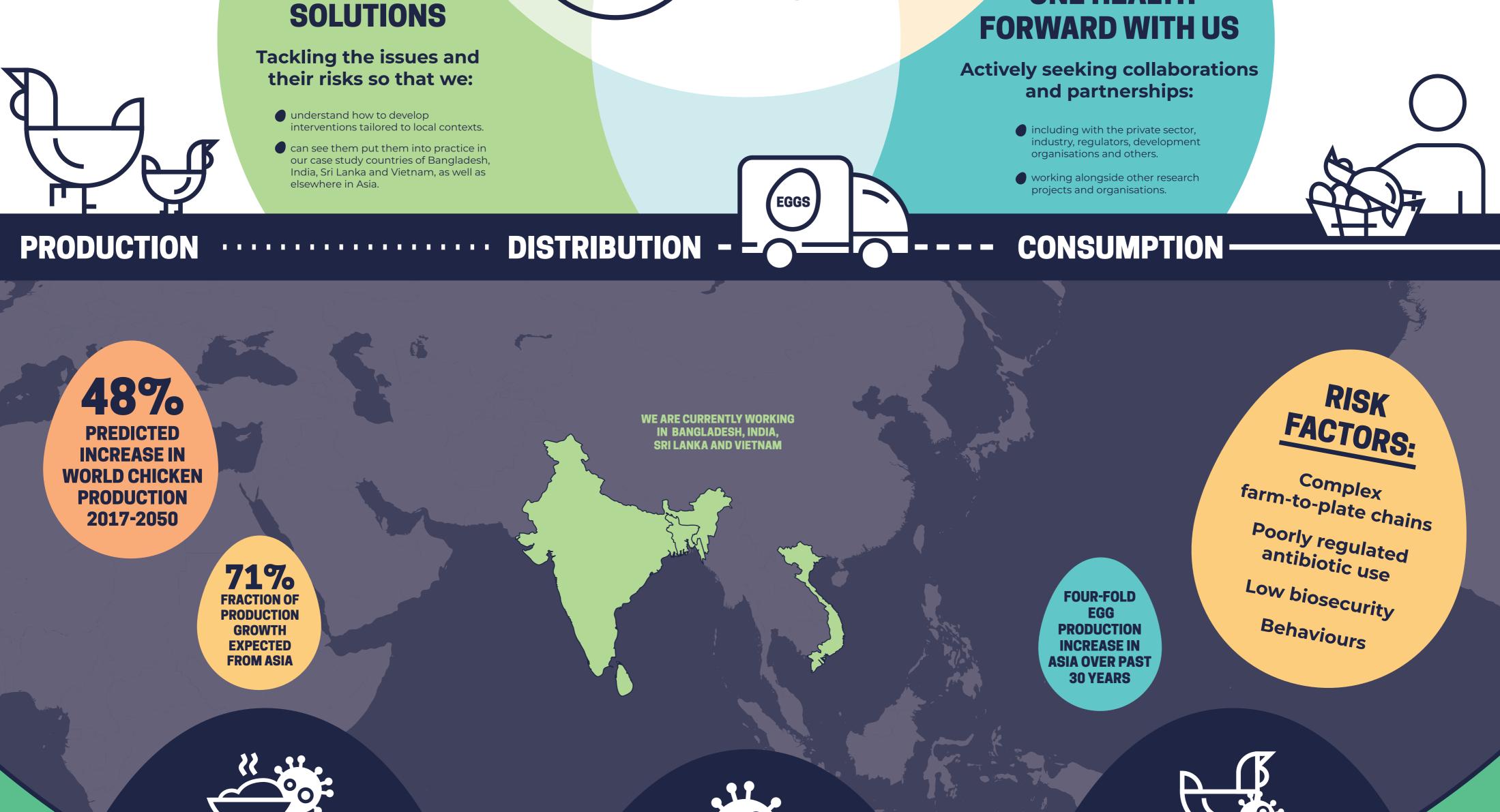
GCRF

**UK Research** 

and Innovation

chicken meat produced globally each year





# **BACTERIAL FOOD POISONING**

Bacteria from chickens and chicken products easily transmit to people. Everybody in the food supply chain is vulnerable, from farmers to traders to consumers – even when on the other side of the world. Foodborne disease places a burden on healthcare systems, harms trade and hinders development.

## 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 people's health everywhere.

#### **10 MILLION DEATHS**

from AMR expected annually by 2050

UNLESS URGENT ACTION IS TAKEN

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# AVIAN INFLUENZA

Avian influenza ('bird flu') 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.

## **63 COUNTRIES**

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