

Defra Antimicrobial Resistance Co-ordination group

Seventy seventh meeting

Tuesday 8th June 2021

10:30 – 13:00

Present:

Agri-Food and Biosciences Institute, Northern Ireland (AFBI)
Animal and Plant Health Agency (APHA)
Biotechnology and Biological Sciences Research Council (BBSRC)
Centre for Environment, Fisheries and Aquaculture Science (CEFAS)
Department of Agriculture, Environment and Rural Affairs, Northern Ireland (DAERA)
Environment Agency (EA)
Food Standards Agency (FSA)
Public Health Scotland (PHS)
Public Health England (PHE)
Scotland's Rural College (SRUC)
Scottish Government (SG)
Veterinary Medicines Directorate (VMD)
Welsh Government (WG)

1. Update on recent findings

The data presented under 'Update on recent findings' are obtained from submissions of cases of clinical disease by private veterinary surgeons to the network of government laboratories and their partner providers in England and Wales, Scotland and Northern Ireland, and from monitoring of healthy livestock and investigations of possible links with human *Salmonella* outbreaks in those regions. Data from the testing of chickens and turkeys under the *Salmonella* National Control Programmes are not included here.

The results presented in this section were preliminary and subject to change. The final annual figures will be published in the '*Salmonella* in Livestock Production in Great Britain' and the 'UK-VARSS' annual reports and will be made available via GOV.UK.

1.1 England and Wales

- Multiple multi-drug resistant *Salmonella* Typhimurium and monophasic *S.* Typhimurium isolates were detected during this quarter.
- A multi-drug resistant *S.* Dublin was detected in cattle.
- One multi-drug resistant *S.* Infantis isolate, and one multi-drug resistant *S.* Kentucky isolate were detected in raw pet food.
- Cases of Extended Spectrum Beta-Lactamase (ESBL)-producing *E. coli* were detected in pigs and cattle.
- No MRSA was detected.

1.2 Scotland

- Multi-drug resistant *S.* Typhimurium and monophasic *S.* Typhimurium isolates were detected in pigs, cattle, cats and dogs.
- Methicillin-resistant *Staphylococcus pseudintermedius* was detected in a canine ear and a sheep lung.

- No ESBL-producing isolates were detected during this quarter.

1.3 Northern Ireland

- One multi-drug resistant *S. Typhimurim* isolate was detected in poultry.
- One multi-drug resistant *S. Infantis* isolate was found in retail chicken meat.
- One methicillin-resistant *Staphylococcus aureus* isolates was detected in pigs.
- ESBL-producing *E. coli* isolates were detected in calves and one isolate was detected in poultry.

2. National Action Plan update

The VMD provided an update on the delivery of the Nation Action Plan and the work being done to support its commitments.

3. Arwain Vet Cymru and Farm Vet Champions Update

Representatives from the Arwain Vet Cymru and Farm Vet Champions initiatives presented an overview of these projects and provided updates on progress to date.

4. Update on farm level usage

Representatives from Scotland, Northern Ireland and Wales gave details of their respective country's farm level antibiotic usage data and monitoring practices.

5. Guest speaker: The genomic epidemiology and mobility of antimicrobial resistance across species.

Guest speaker Alison Mather from the Quadram Institute (<https://quadram.ac.uk/>) discussed her research on genomic epidemiology and mobility of antimicrobial resistance across species.

6. AOB

N/A

7. Date of next meeting

Wednesday 22nd September 2021