

## DEFRA ANTIMICROBIAL RESISTANCE CO-ORDINATION (DARC) GROUP

### SIXTY EIGHTH MEETING TUESDAY 27<sup>th</sup> NOVEMBER 2018 11:00 – 16:00

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

#### 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 Programme are not included here.*

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

##### 1.1 England and Wales

- In the reported period (January-September), provisional figures indicate seventy three *Salmonella* Typhimurium incidents and forty eight reports of monophasic S.Typhimurium (including twenty three reports of isolates with antigenic structure 4,5,12:i:- and twenty five with the structure 4,12:i:-), whilst the total number of reports of *Salmonella* from livestock/ environment was eight hundred seventeen. These figures cover all types of animals and include some environmental samples. The figures are interim because investigation or laboratory identification is ongoing in some cases. They represent declines on those figures observed in the equivalent period in the preceding year. The final annual figures for 2018 will be reported in 2019.
- The isolation of *Salmonella* in animal feed (considering all serovars) increased in the period January-September 2018 compared with the previous year.
- No new cases of MRSA have been reported since the last meeting.

##### 1.2 Scotland

- In the last quarter (August – September), three incidents of *Salmonella* Typhimurium (sequence type ST19) were described from cattle, sheep and dog.
- No ESBL-producing *E.coli* was reported since the last meeting.
- Two instances of MRSP were reported from dogs.

### 1.3 Northern Ireland

- In the last quarter (August – September), six *Salmonella* isolates were recovered; three of these were *Salmonella* Typhimurium described from pig and chicken, three of these were monophasic *Salmonella* Typhimurium described from pig.
- Four ESBL-producing *E.coli* isolates were recovered from cattle, bird and pig.
- Thirty six *S. aureus* isolates were identified, four were reported as MRSA.

## 2. Health and Social Care AMR Report

A representative from the VMD gave an update on the Health and Social Care AMR Report.

## 3. One Health Report Progress Update

A representative from the VMD gave an update on the One Health report which will soon be published on GOV.UK.

## 4. EU Update

The Committee for Medicinal Products for Veterinary Use (CVMP) adopted the draft *on the use of aminopenicillins in animals in the European Union: development of resistance and impact on human and animal health* which will be published on EMA's website for public consultation until 21 December 2018.

The CVMP's *reflection paper on off-label use of antimicrobials in veterinary medicine in the European Union* is in its final draft and will soon be published on EMA's website.

The CVMP adopted a draft reflection paper based on the *dose optimisation of established veterinary antibiotics pilot project*. The reflection paper will be published on EMA's website for public consultation until 31 January 2019.

## 5. Update on Consumption Projects

*Cattle:* The results from the pilot eMB cattle are still yet to be received. Due to the Red Tractor requirement that culture and sensitivity testing is to occur before treatment a 21% reduction in use of HP-CIAs can be seen.

*Gamebird:* The Gamebird sector has achieved their target of reducing antibiotic usage by 25% in 2016-2017 and 25% in 2017-2018.

*Sheep:* The sheep sector has aimed to reduce enzootic abortion and foot rot through the uptake of vaccinations.

## 6. The Burden of infection with antibiotic-resistant bacteria of public health importance in the EU

A representative from PHE informed the group of a recently published Lancet Infectious Disease paper titled “Attributable deaths and disability-adjusted life-years caused by infections with antibiotic-resistant bacteria in the EU and the European Economic Area in 2015: a population-level modelling analysis”.

## **7. The Emergence of Azole Resistance from the Environment**

A representative from the VMD gave an overview on the Emergence of Azole Resistance from the Environment.

## **8. Recently Published Reports**

Representatives from the VMD, EMA, PHE, NHS Scotland and APHA gave overviews of their recently published reports.

## **9. Date of the Next Meeting**

Wednesday, 20 February 2019, 11am VMD.