



Antimicrobials: stewardship, resistance and the AMR Force

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@AMRForce



Responsible medicines use

- Responsible veterinarians
- Responsible farmers
- Responsible practices

Understanding medicines use

- Medicines reviews
- Integrated health management
- Reducing HP-CIAs

Improving animal health

- Improved husbandry
- Reduced disease
- Appropriate therapy

Assessing impact

- Disease incidence
- Treatment outcomes
- Medicines reviews
- AMR testing

Understanding microbiology

- Biobanking
- AMR testing for targeted prescribing
- Environmental cycling

Motivating change

- Participatory and collaborative
- Influencing policy
- Knowledge exchange and co-creation

AMR Force

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AMR Force Impact

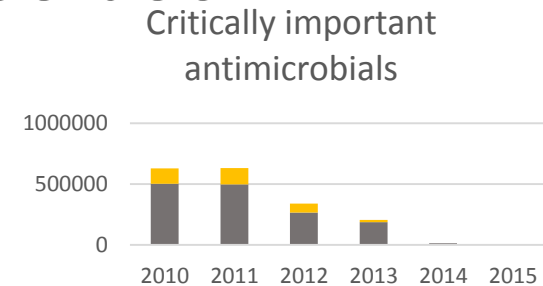
- Changing veterinary prescribing practices
 - Ceased use of HP-CIAs early 2014 & training others!
- Changing farmer husbandry practices & medicines use
 - Stewardship policies, peer-to-peer learning, improving veterinarian-farmer communication
- Increasing understanding/awareness of AMU & AMR
 - £8M of research projects, esp. understanding ‘the human factor’

Prescriptions for change - A toolkit for transforming medicines use on farm



The urgent need to achieve more responsible and sustainable medicines use (RSMU) in farm animals, in light of the potential for antimicrobial resistance (AMR) development and transfer to humans, means veterinary and human health care professionals must now work together to

20th Sep 2018 - 21st Sep 2018
Vet School Main Building (VSM),
Daphne Jackson Road, University of Surrey



ORIGINAL ARTICLE
Participatory Policy Making by Dairy Producers to Reduce Anti-Microbial use on Farms
L. van Dijk¹, A. Hayton², D. C. J. Main¹, A. Booth³, A. King³, D. C. Barrett³, H. J. Buller³ and K. K. Reyher¹



Ceasing the use of the highest priority critically important antimicrobials does not adversely affect production, health or welfare parameters in dairy cows
Andrea Turner, David Todad, David C Barrett, Sarah Wood, Andrew Downey, Kristen K Reyher

Paper
Antimicrobial use in food-producing animals: a rapid evidence assessment of stakeholder practices and beliefs
Jo Beckendaal, Andrea T Turner, Kristen K Reyher, David C Barrett, Laura Jones, Stephen Mitchell, Henry J Buller

OPEN ACCESS
REVIEW
Evaluation of metrics for benchmarking antimicrobial use in the UK dairy industry
Harriet L Mills, Andrea Turner, Lisa Worgan, Jonathan Manning, Hannah Schubert, Gwen Pees, David Barrett, Andrew Downey, Kristen K Reyher