



25 Research paper

Antimicrobial use policy change in preweaned dairy calves and its impact on antimicrobial resistance in commensal *Escherichia coli*:

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In Significant Impact Groups:

AMU reduction strategies \ Legislation and incentives Prudent use

Species targeted: Dairy;

Age: Young;

Summary:

Based on feedback and interaction between study investigators, farm management and consulting veterinarians, a new policy was implemented to reduce antimicrobial use in calves. We investigated the effects of these policy changes in antimicrobial use on resistance in commensal *Escherichia coli*. In general, there was a declining trend in resistance to most antimicrobials during and after policy changes were implemented, except for ampicillin, ciprofloxacin, ceftiofur and gentamicin.

25 Research paper - Afema - 2019 - Antimicrobial use policy change in preweaned dairy calves and its impact on antimicrobial resistance in commensal Escherichia coli_ a cross sectional and ecological study

Where to find the original material:

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