



321 Research paper

**Risk Factors for AMR in Escherichia coli in Pigs Receiving Oral Antimicrobial Treatment A Systematic Review**

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In **Significant Impact Groups:**

Other \

Species targeted: Pigs;

Age: Young;Adult;

**Summary:**

The aim of this literature review was to identify risk factors (besides antimicrobial treatment) for antimicrobial resistance (AMR) occurrence in commensal Escherichia coli in pigs. A variety of studies were searched in 2014 and 2015. It was reported that space allowance, production size/stage, cleanliness, entry of animals and humans into herds, dosage/frequency/route of administration, time span between treatment and sampling date, herd size, distance to another farm, coldness, and season had an impact on AMR occurrence. However, further research is needed on the effects of specific management practices to develop well-founded management advice.

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**Where to find the original material:**

<https://www.liebertpub.com/doi/full/10.1089/mdr.2015.0318>; <https://doi.org/10.1089/mdr.2015.0318>

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