



448 Research paper

**Pharming animals: a global history of antibiotics in food production (1935–2017)**

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2018 Palgrave Communications 4: 13-Jan

In **Significant Impact Groups:**

AMU reduction strategies \ Monitoring and surveillance Antibiotic

Species targeted: Other;

Age: Not stated;

**Summary:**

From the mid-1950s onwards, agricultural antibiotic use also triggered increasing conflicts about drug residues and antimicrobial resistance (AMR). Significantly, antibiotic concerns did not develop evenly but instead gave rise to an international patchwork of different regulatory approaches. During a time of growing concerns about AMR and a post-antibiotic age, this article reconstructs the origins, global proliferation, and international regulation of agricultural antibiotics. It argues that policymakers need to remember the long history of regulatory failures that has resulted in current antibiotic infrastructures. For effective international stewardship to develop, it is necessary to address the economic dependencies, deep-rooted notions of development, and fragmented cultural understandings of risk, which all contribute to drive global antibiotic consumption and AMR.

*448 Research paper - Kirchhelle - 2018 - Pharming animals\_ a global history of antibiotics in food production 1935–2017*

**Where to find the original material:**

<https://www.nature.com/articles/s41599-018-0152-2>; 10.1057/s41599-018-0152-2

Country: Global