



Food  
Standards  
Agency  
food.gov.uk



.....  
What is best practice for  
addressing AMR in food  
supply chains? How can  
retailers support this?  
.....

25 November 2016  
Steve Wearne



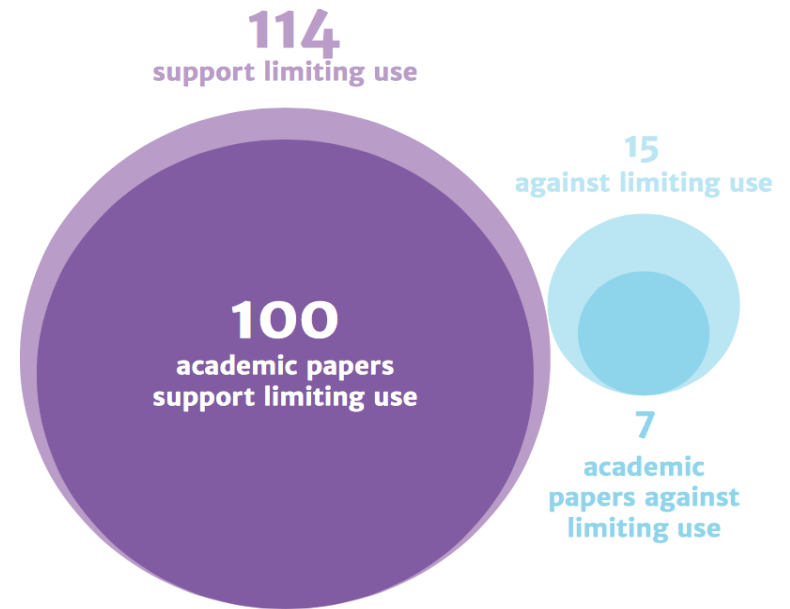
# ANTIMICROBIALS IN AGRICULTURE AND THE ENVIRONMENT: REDUCING UNNECESSARY USE AND WASTE

THE REVIEW ON ANTIMICROBIAL RESISTANCE

CHAired BY JIM O'NEILL

DECEMBER 2015

## MOST PUBLISHED PAPERS PROVIDE EVIDENCE TO SUPPORT LIMITING USE OF ANTIBIOTICS IN AGRICULTURE



Based on a representative sample using the 280 papers from the NCBI's PubMed database found with the search terms "drug resistance, microbial" AND "agriculture", 88 of which were deemed not to be applicable as they did not address antibiotic use in agriculture. Papers were categorised as 'supportive', if they provided evidence to support limiting antibiotics in agriculture, 'against', if they provided evidence that we should not be concerned with limiting antibiotics in agriculture and 'neutral', if they did not explicitly take a stance. There were 63 papers that were categorised as neutral. Of the papers classified as neutral, 36 were written by academics. Academic papers are defined as those that were written by academics.

---

# The objectives for the food chain overall

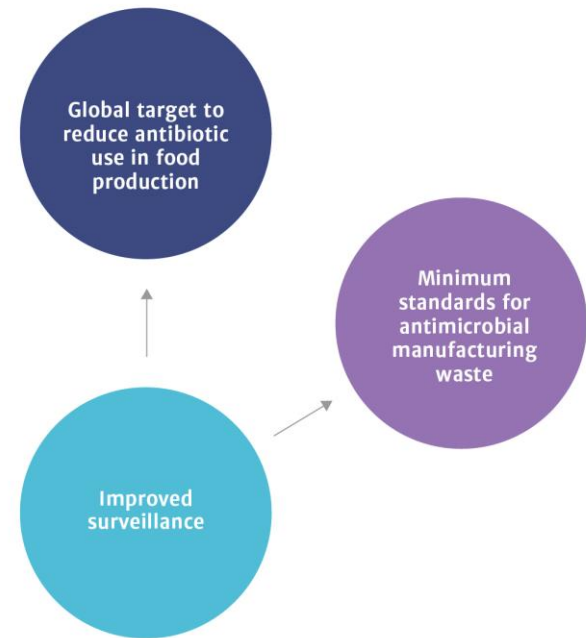
## Government response to O'Neill report

*“It is critical that we focus on stewardship of antibiotics in animals, as well as in humans”*

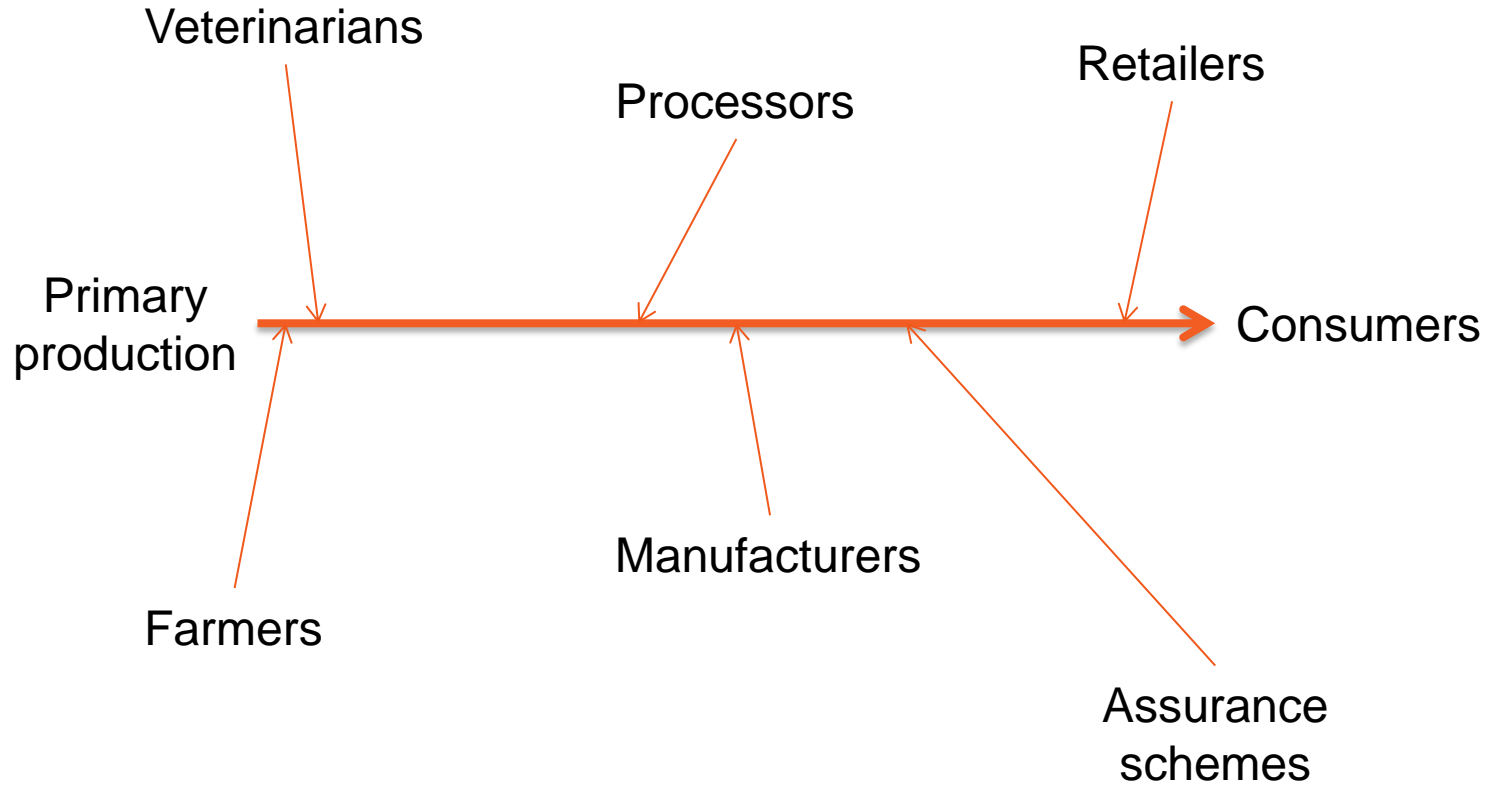
- Antibiotic use target overall, and sector-specific reduction targets
- Restrict use of those critically important to humans
- Prevention of disease – biosecurity and herd health

## A PLAN TO REDUCE DRUG RESISTANCE FROM FOOD AND PHARMACEUTICAL PRODUCTION

---



Who?



---

## **The role of information**

Recommendation 3.4 calls on major food producers, retailers and regulators to agree standards for ‘responsible use’ in agriculture, as a basis for labelling or certification schemes.

The FSA believes that consumers are able to engage with complex food issues if they are given the right support and opportunities to do so. We also believe that providing greater transparency on anti-biotic use will incentivise rapid and comprehensive improvement, support innovation and reward responsible businesses.

---

## Tiers of standards?



“how low do we need to go?”

“good stock, good feed, good farms, well managed by farmers who seek continuous improvement”



---

## The role of information (2)

“ a bit of a juggernaut is coming with consumers”

“to say to farmers ‘just stop using antibiotics’ is stupid”



---

## How?

### Stewardship

“The use of co-ordinated interventions to improve and measure the use of antimicrobials by promoting optimal drug regimen, dose, duration and route.”

**What would be the critical elements of robust antimicrobial stewardship commitments from UK retailers and their supply chains, including reporting and auditing?**

“retailers with a global reach”

“collaboration, not imposition”