

Erratum to UK Veterinary Antibiotic Resistance and Sales Surveillance Report UK-VARSS 2017

During the 2018 data collection round it came to the VMD's attention that veterinary antimicrobial sales data had been over-reported for several products in 2016 and 2017 by one pharmaceutical company. As a result, the sales figures for 2016 and 2017 in this report are lower than originally published in the UK-VARSS 2017. Analyses relating to 2017 sales data in this report and supporting documents are not correct and should no longer be referenced. The corrected sales data and back dated trends are reported in UK-VARSS 2018.

The key data changes for this report are as follows:

- Total tonnes of active ingredient sold corrected to 248 tonnes (previously 282 tonnes) (**Figure 1.1, referencing section 1.4.1**).
- Total antibiotic sales for food-producing species corrected to 32 mg/PCU (previously 37 mg/PCU) (**Figure 1.2, referencing section 1.4.2**).
- Antibiotic products most affected are those indicated for use in multiple food-producing animals, mixed food and non-food producing animals and horses (**Table 1.2, referencing section 1.4.3**).
- The antibiotic class most affected was beta-lactams (**Table 1.3, referencing section 1.4.4.1**). Limited changes were seen for the Highest Priority Critically Important Antibiotics (HP-CIAs).
- Injectables were the administration route most affected by the corrections (**Figure relating to table 1.4, referencing section 1.4.5.1**).

Figure 1.1: Total active ingredient (tonnes) of antibiotics sold in the UK using the ESVAC methodology for incorrect (■) and correct sales data (■), 2005-2017. (Section 1.4.1 of the report)

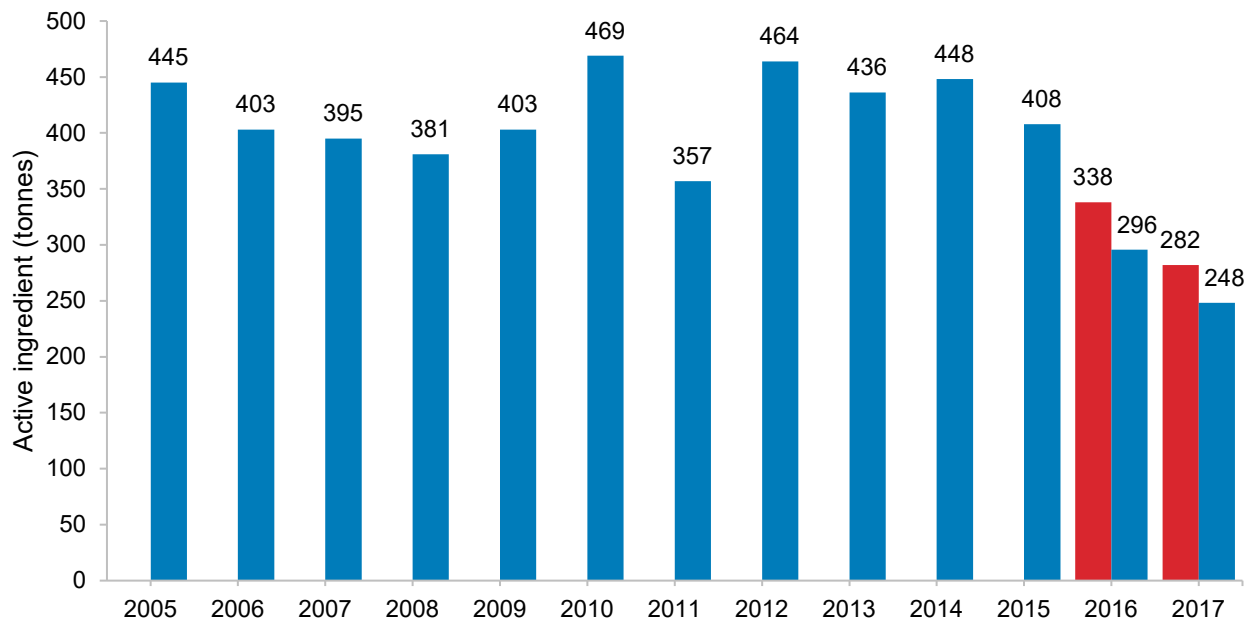


Figure 1.2: Active ingredient (mg/kg) of antibiotics sold licenced for use in food-producing animal species for incorrect (■) and correct sales data (■), 2013-2017. (Section 1.4.2 of the report)

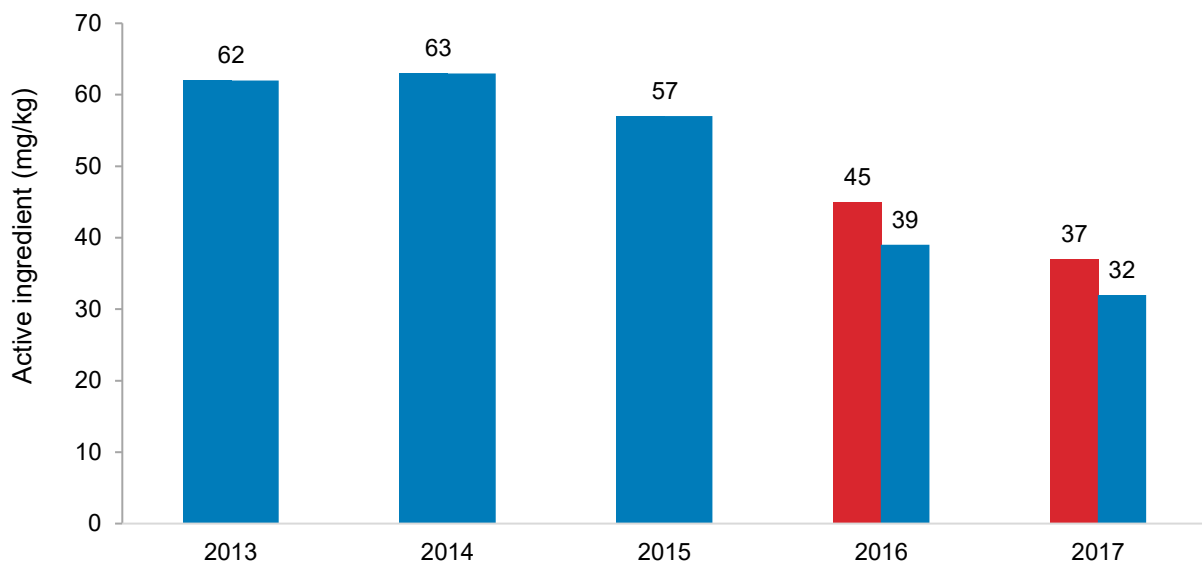


Table 1.2: Active ingredient (tonnes and % of total sales) of antibiotics sold for the animal species category indicated^x. (Section 1.4.3 of the report)

Animal species category	Animal species	Active ingredient in tonnes (% sales)	
		2017 incorrect (■) data	2017 corrected (■) data
Indicated for food-producing animal species only	Pigs and poultry only	98	97
	Pigs only	33	33
	Poultry only*	15	15
	Cattle only	16	14
	Fish only	3.4	3.4
	Multiple food-producing animal species**	39	29
	Total	204 (72)	192 (77)
Indicated for non-food-producing animal species only	Companion animal only (excluding horse only)	15	14
	Horse only***	12	7
	Total	27 (10)	21 (9)
Indicated for combination of food- and non-food-producing animal species	Total	51 (18)	35 (14)
Total sales of antibiotics^x		282 (100)	248 (100)

^x The totals were rounded to the nearest integer. This explains the minor discrepancies between the sum of individual species categories and the totals presented.

* Includes products authorised for use in 'ducks' in combination with other poultry species.

** Not including products indicated for pigs and poultry only, horses or products indicated for a combination of both farmed food- and non-food-producing species (to prevent double counting).

*** In the UK, horses are primarily a companion or sport animal, and not raised for food. For this reason, horses have been classified as 'non-food-producing animals' when reporting tonnage of active ingredient.

Table 1.3: Active ingredient (tonnes or kg) of antibiotics sold for all animal species by antibiotic class, 2017 incorrect and 2017 correct data. (Section 1.4.4.1 of the report)

Antibiotic class	Active ingredient in tonnes (kg)	
	2017 incorrect data	2017 corrected data
Tetracyclines	105	96
Beta (β)-lactams	78	66
1 st and 2 nd generation cephalosporins	4.2	4.2
3 rd and 4 th generation cephalosporins (kg)*	(857)	(778)
Penicillins**	72	61
Sulphonamide/Trimethoprim	31	24
Trimethoprim	5.1	3.9
Sulphonamide	26	20
Aminoglycosides	24	18
Streptomycin	18	11
Neomycin and framycetin	2.2	2.2
Other aminoglycosides***	4.4	4.8†
Macrolides	23	23
Fluoroquinolones (kg)*	(1,267)	(1,210)
Other****	19	20
<i>Colistin (kg)*</i>	(4.2)	(4.2)
Total sales of antibiotics^x	282	248

^x The totals were rounded to the nearest integer. This explains the minor discrepancy between the overall total and the classes' totals.

[†] Change due to recategorisation of paromomycin to an aminoglycoside, previously 'Other'.

* Because of the heightened interest in HP-CIA classes the sales of fluoroquinolones, 3rd and 4th generation cephalosporins and colistin are presented in kg.

** Benzylpenicillin, benzathine penicillin, phenoxymethylpenicillin, procaine penicillin, amoxicillin (including in combination with clavulanic acid), ampicillin, cloxacillin, nafcillin.

*** Apramycin, gentamicin, kanamycin, spectinomycin and paromomycin.

**** Amphenicols, lincomycins, pleuromutilins, polymyxins (including colistin), steroidal antibiotics and imidazole derivatives.

Figure relating to table 1.4: Tonnes of active ingredient by injectable administration routes for incorrect (■) and correct sales data (■), 2013-2017. (Section 1.4.5.1 of the report)

