

Table S1. Complete information of distribution of antimicrobial classes prescribed from 2017 through 2022. Percentages were calculated on the total prescribed antimicrobial classes per year. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

	2017 n (%)	2018 n (%)	2019 n (%)	2020 n (%)	2021 n (%)	2022 n (%)	Tot 6 y n (%)	p-Value Trend
Aminoglycosides	6 (3.6)	11 (4.3)	5 (5.4)	1 (3.4)	2 (3.7)	1 (1.3)	26 (3.9)	<0.001
Tobramycin	3 (1.8)	9 (3.5)	3 (3.3)	1 (3.4)	2 (3.7)	1 (1.3)	19 (2.8)	
Gentamicin	2 (1.2)	1 (0.4)	1 (1.1)	-	-	-	4 (0.6)	
Paromomycin	-	-	1 (1.1)	-	-	-	1 (0.1)	
Neomycin	1 (0.6)	1 (0.4)	-	-	-	-	2 (0.3)	
Cephalosporins	20 (11.9)	25 (9.8)	9 (9.7)	1 (3.4)	0 (0.0)	2 (2.6)	57 (8.4)	<0.0001
Cephalexin	12 (7.2)	11 (4.3)	5 (5.4)	1 (3.4)	-	1 (1.3)	30 (4.4)	
Cefadroxil	4 (2.4)	4 (1.6)	-	-	-	0 (0.0)	8 (1.2)	
Ceftriaxone	4 (2.4)	10 (3.9)	4 (4.3)	-	-	-	18 (2.7)	
Cefovecin	-	-	-	-	-	1 (1.3)	1 (0.1)	
Fixed-dose combination	79 (47.3)	103 (40.2)	50 (54.3) *	13 (44.8)	27 (50.0)	51 (66.2) ****	323 (47.9)	<0.0001
Amoxicillin-clavulanic acid ^a	49 (29.3)	76 (29.7)	48 (52.2)	13 (44.8)	27 (50.0)	51 (66.2) ****	264 (39.1)	
Bacitracin-neomycin sulfate ^b	1 (0.6)	-	-	-	-	-	1 (0.1)	
Chloramphenicol-Colistimethate Sodium-Rolitetraacycline ^c	-	5 (2.0)	-	-	-	-	5 (0.7)	
Spiramycin-metronidazole ^d	29 (17.4)	22 (8.6)	2 (2.2)	-	-	-	53 (7.9)	
Fluoroquinolones	51 (30.5)	83 (32.4) **	21 (22.8) ****	11 (37.9)	15 (27.8)	20 (26.0)	201 (29.8)	<0.0001
Enrofloxacin	45 (26.9)	71 (27.7)	16 (17.4)	10 (34.5)	15 (27.8)	12 (15.6)	169 (25.0)	
Marbofloxacin	6 (3.6)	6 (2.3)	4 (4.3)	1 (3.4)	-	7 (9.1)	24 (3.6)	
Orbifloxacin	-	-	-	-	-	1 (1.3)	1 (0.1)	
Ofloxacin	-	4 (1.6)	-	-	-	-	4 (0.6)	
Pradofloxacin	-	2 (0.8)	1 (1.1)	-	-	-	3 (0.4)	
Fusidic Acid	1 (0.6)	2 (0.8)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	3 (0.4)	<0.05
Lincosamides	2 (1.2)	6 (2.3)	1 (1.1)	0 (0.0)	1 (1.9)	1 (1.3)	11 (1.6)	<0.05
Clindamycin	2 (1.2)	6 (2.3)	1 (1.1)	-	1 (1.9)	1 (1.3)	11 (1.6)	
Nitroimidazoles	0 (0.0)	9 (3.5) ****	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	9 (1.3)	<0.01
Metronidazole	-	9 (3.5)	-	-	-	-	9 (1.3)	
Penicillins	1 (0.6)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0.11
Ampicillin	1 (0.6)	-	-	-	-	-	1 (0.1)	
Phenicol	1 (0.6)	1 (0.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.3)	0.07
Chloramphenicol	1 (0.6)	1 (0.4)	-	-	-	-	2 (0.3)	
Polymyxins	1 (0.6)	3 (1.2)	2 (2.2)	1 (3.4)	0 (0.0)	0 (0.0)	7 (1.0)	0.07
Polymyxin B	1 (0.6)	3 (1.2)	2 (2.2)	1 (3.4)	-	-	7 (1.0)	

Tetracyclines	5 (3.0)	13 (5.1)	4 (4.3)	2 (6.9)	9 (16.7) *	2 (2.6) *	35 (5.2)	0.11
Doxycycline	5 (3.0)	13 (5.1)	3 (3.3)	2 (6.9)	9 (16.7)	2 (2.6)	34 (5.0)	
Tetracycline	-	-	1 (1.1)	-	-	-	1 (0.1)	
Total	167 (100)	256 (100)	92 (100)	29 (100) ****	54 (100) **	77 (100) *	675 (100)	<0.0001

^a Synulox; ^b Bimixin; ^c Colbiocin; ^d Stomorgyl

Table S2. Complete information of antimicrobial prescriptions by route in the total 6-year period. Percentages were calculated on the total 6-year prescriptions.

	Route of administration		
	Oral	Parenteral	Topical
	n (%)	n (%)	n (%)
Aminoglycosides	1 (0.1)	0 (0.0)	25 (3.7)
Tobramycin	-	-	19 (2.8)
Gentamicin	-	-	4 (0.6)
Paromomycin	1 (0.1)	-	-
Neomycin	-	-	2 (0.3)
Cephalosporins	38 (5.6)	19 (2.8)	0 (0.0)
Cephalexin	30 (4.4)	-	-
Cefadroxil	8 (1.2)	-	-
Ceftriaxone	-	18 (2.7)	-
Cefovecin	-	1 (0.1)	-
Fixed-dose combinations	306 (45.3) ****	12 (1.8)	5 (0.7)
Amoxicillin-clavulanic acid ^a	252 (37.2)	12 (1.8)	-
Bacitracin- neomycin sulfate ^b	1 (0.1)	-	-
Chloramphenicol-Colistimethate	-	-	5 (0.7)
Sodium-Rolitetracycline ^c	-	-	-
Spiramycin-metronidazole ^d	53 (7.9)	-	-
Fluoroquinolones	186 (27.4) ****	10 (1.5)	5 (0.7)
Enrofloxacin	164 (24.1)	5 (0.7)	-
Marbofloxacin	19 (2.8)	5 (0.7)	-
Orbifloxacin	-	-	1 (0.1)
Ofloxacin	-	-	4 (0.6)
Pradofloxacin	3 (0.4)	-	-
Lincosamides	11 (1.6)	0 (0.0)	0 (0.0)
Clindamycin	11 (1.6)	-	-
Penicillins	1 (0.1)	0 (0.0)	0 (0.0)
Ampicillin	1 (0.1)	-	-
Phenicals	0 (0.0)	0 (0.0)	2 (0.3)
Chloramphenicol	-	-	2 (0.3)
Polymyxins	0 (0.0)	0 (0.0)	7 (1.0)
Polymyxin B	-	-	7 (1.0)
Nitroimidazoles	9 (1.3)	0 (0.0)	0 (0.0)
Metronidazole	9 (1.3)	-	-

Tetracyclines	36 (5.3)	0 (0.0)	1 (0.1)
Doxycycline	34 (5.0)	-	-
Tetracycline	-	-	1 (0.1)
Others	0 (0.0)	0 (0.0)	3 (0.4)
Fusidic acid	-	-	3 (0.4)
Total	586 (86.8) ****	41 (6.1)	48 (7.1)

^a Synulox; ^b Bimixin; ^c Colbiocin; ^d Stomorgyl