

**Supplementary table 1: Prevalence of ABR in *E. coli* isolates obtained from chicken in South Africa (2016-2020).**

Antibacterials		APEC		Commensal <i>E. coli</i>			
Class of Drug	Drug	2016	2018	2019	2020		
Aminoglycosides	Amikacin	-	2.2	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
	Neomycin	6	-	-	-		
	Kanamycin	8	-	-	-		
	Gentamicin	-	37	9.8*	3.6 <sup>a</sup>	1 <sup>a</sup>	4.7*
	Tobramycin	-	6.5	7.4*	2.7 <sup>a</sup>	1 <sup>a</sup>	4.7*
	Ampicillin	32	63	32*	39.3 <sup>a</sup>	36.7 <sup>a</sup>	37.7*
	Aztreonam	-	10.9	4.9*	4.5 <sup>a</sup>	18.4 <sup>a</sup>	21.7*
	Cefotaxime	-	47.8	8.2*	8.9 <sup>a</sup>	27.6 <sup>a</sup>	36.8*
	Cefoxitin	20	39.1	1.6*	1.8 <sup>a</sup>	14.3 <sup>a</sup>	20.8*
β-lactams	Ceftiofur	10	-	-	-		
	Ceftazidime	-	41.3	8.2*	9.8 <sup>a</sup>	25.5 <sup>a</sup>	36.8*
	Cefepime	-	6.5	4.1*	4.5 <sup>a</sup>	13.3 <sup>a</sup>	19.8*
	Cefuroxime	-	47.8	4.1*	4.5 <sup>a</sup>	21.4 <sup>a</sup>	30.2*
	Ertapenem	-	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
	Imipenem	-	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
	Meropenem	-	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
	Doripenem	-	0	-	-	-	-
β-lactam + β-lactamase inhibitors	Amp/Sul	-	60.9	4.1*	8.9 <sup>a</sup>	5.1 <sup>a</sup>	8.5*
	Amox/Clav	-	43.5	4.9*	6.2 <sup>a</sup>	19.4 <sup>a</sup>	23.6*
	Piper/Tazo	-	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
Quinolones	Ciprofloxacin	-	15.2	15.6*	16.1 <sup>a</sup>	9.2 <sup>a</sup>	18.9*
	Levofloxacin	-	8.7	6.6*	8 <sup>a</sup>	2 <sup>a</sup>	10.4*
	Nalidixic Acid	-	45.7	47.5*	33 <sup>a</sup>	21.4 <sup>a</sup>	43.4*
Polymyxin	Enrofloxacin	32	-	-	-	-	-
	Colistin	0	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
Tetracycline	Tigecycline	0	0	0*	0 <sup>a</sup>	0 <sup>a</sup>	0*
	Tetracycline	-	82.2	-	-	-	-
	Doxycycline	44%	-	-	-	-	-
Potentiated sulphonamide	Nitrofurantoin	-	2.2	4.9*	8 <sup>a</sup>	5.7 <sup>a</sup>	4.1*
	Trim/Sulf	38	30.4	33.6*	30.4 <sup>a</sup>	22.6 <sup>a</sup>	30.6*

**KEY:** Amox/Clav: Amoxicillin/Clavulanate; Amp/Sul: Ampicillin/Sulbactam; Piper/Tazo: Piperacillin/Tazobactam; Trim/Sulf: Trimethoprim/Sulfamethoxazole; <sup>a</sup>: Chicken droppings; \*: Chicken carcasses. **NB:** Data presented in plain cells were interpreted using EUCAST guidelines; Highlighted cells were interpreted using CLSI guidelines.