

Table 1: Southern region hospital cumulative antibiotic susceptibilities 2022 (antibiogram)

Organism group	No. tested	Antibiotics in common usage													Second line/ restricted antibiotics ¹								
		Numbers denote % susceptible																					
		Penicillin	Amoxicillin	Amoxi+clav	Amoxi+clav cystitis	Flucloxacillin	Cephalexin	Cefuroxime	Erythromycin	Co-trimoxazole	Doxycycline	Ceftriaxone	Trimethoprim ²	Nitrofurantoin ²	Clindamycin	Ciprofloxacin	Ceftazidime	Piperacillin-tazo	Meropenem	Gentamicin	Vancomycin	Cefepime	Tobramycin
Non-urine isolates																							
<i>Staphylococcus aureus</i>	458				95			91	99	98				91									
<i>Strep pyogenes</i> (GAS) and <i>Strep agalactiae</i> (GBS) ³	50	100			100			88						89									
<i>Haemophilus influenzae</i>	74	61 [#]	83 [#]						73	100	95												
<i>Pseudomonas aeruginosa</i>	68		R			R		R			R			88 [#]	82 [#]	96 [#]	96				88 [#]	(96) ⁵	
Bacteraemic isolates																							
<i>Escherichia coli</i>	133	44	54			96		81		98					95	98	100	(95) ⁵					
<i>Staphylococcus aureus</i>	67				94			98	98					97					100				
<i>Pseudomonas aeruginosa</i> ⁴	25		R			R		R			R			92 [#]	96 [#]	92 [#]	96 [#]	NR			100	(100) ⁵	
Beta haemolytic streptococci Groups, A, B, C and G	35	100						63						69							100		
<i>Streptococcus pneumoniae</i> ⁴	40	100											100								100		
<i>Streptococcus pneumoniae meningitis breakpoint</i> ⁴	40	60																					
<i>Enterococcus spp</i> ⁴	22		84			R					R											100	
Urine isolates																							
<i>E coli</i> (ESBL 3%)	938	58	69	89		93	94		86		96	84	99		92			100	(96) ⁵				
<i>Klebsiella pneumoniae</i> (ESBL 5%)	163	0	85	90		90	88		85		94	80	NR		86				(94) ⁵				
<i>Enterococcus spp</i>	217		82			R					R											100	
<i>Pseudomonas aeruginosa</i>	81		R			R		R			R				88 [#]	87 [#]	96 [#]	92	NR		90 [#]	(97) ⁵	

¹ Not recommended for first line use unless recommended by ID/Micro; second line antibiotics are selectively tested on lower numbers of more resistant isolates.
² Recommended for uncomplicated UTI isolates only. ³ Includes community isolates ⁴ Combined 2021 and 2022 data
 R = always resistant NR = not recommended [#] reported as susceptible increased exposure
⁵ Bracketed "susceptibility" indicates % wild-type (i.e no detectable resistance mechanism) but this drug-bug combination is not recommended unless combined with another effective measure (eg surgical debridement/another susceptible agent).

Table 2: Southern region community cumulative antibiotic susceptibilities 2022 (antibiogram)

				Numbers denote % susceptible											
				Antibiotics in common usage											
Organism group				Number tested	Penicillin	Amoxicillin	Amoxi+clav	Amoxi+clav cystitis	Flucloxacillin	Cephalexin	Erythromycin	Co-trimoxazole	Doxycycline	Trimethoprim ¹	Nitrofurantoin ¹
Non urinary sites															
<i>Staphylococcus aureus</i>				2720	5				95	95	88	99	98		
Methicillin-resistant <i>Staph aureus</i> (MRSA, 5%)				129	0	0	0		0	0	88	100	97		
<i>Streptococcus pneumoniae</i> ²				97	84	96			NR		85	70	90		
<i>Haemophilus influenzae</i>				132		53 [#]	74 [#]			NR	NR	78	98		
Urine isolates															
<i>E coli (all)</i>		ESBL 4%		4448		62	75	90		96		83	83	99	
<i>Klebsiella pneumoniae</i>		ESBL 4%		329		0	89	94		95		88	88	NR	
<i>Staphylococcus saprophyticus</i>				271		100							98	100	
<i>Proteus mirabilis</i>				208		85	97	99		94		75	75	NR	
¹ Recommended for uncomplicated UTI only															
² Combined 2021 and 2022 data															
R = always resistant		NR = not recommended												[#] reported as susceptible, increased exposure	