

Table 1: Distribution and Resistance of MRSA amongst the samples from the hospitals.

Sources/Samples	Total (n=626)		KATH (n=184)		Agogo (n=163)		KNUST (n=109)		Suntreso (n=53)		Manhyia (n=117)	
Total <i>S. aureus</i> isolates	68	%	22	%	25	%	16	%	3	%	2	0
MDR <i>S. aureus</i>	46	67.6	14	63.6	17	68	13	84	1	33.3	1	50
MRSA	28	41.2	7	31.8	12	48	9	56.2	0	0	0	0
MDR MRSA	28	41.2	7	31.8	12	48	9	56.2	0	0	0	0
Urine samples	333		63		125		0		47		98	0
<i>S. aureus</i> isolates	49		19	25		0		3		2		0
MDR <i>S. aureus</i>	31	63.2	12	63.1	17	68	0	0	1	33.3	1	50
MDR MRSA	18	36.7	6	31.5	12	48	0	0	0		0	0
Nasal swab samples	174		66		22		86		0		0	0
<i>S. aureus</i> isolates	18		3		0		15		0		0	0
MDR <i>S. aureus</i>	15	83.3	2	66.6	0		13	86.6	0	0	0	0
MDR MRSA	10	55.5	1	33.3	0		9	60	0	0	0	0
Wound swab samples	119		55		16		23		6		19	0
<i>S. aureus</i> isolates	1		0		0		1		0		0	0

MRSA/MDR MRSA Resistance Pattern

	Total n=28		KATH n=7		Agogo n=12		KNUST n=9		Suntreso n=0		Manhyia n=0	
		%		%		%		%		%		%
Ery-15	19	67.9	2	10.5	8	42.1	9	47.4	0	0	0	0
Oxa-1	28	100	7	25	12	42.9	9	32.1	0	0	0	0
Cip-5	16	57.1	2	12.5	8	50	6	37.5	0	0	0	0
C-30	21	75	6	28.6	10	47.6	5	23.8	0	0	0	0
Sxt-25	14	50	4	28.5	6	42.9	4	28.6	0	0	0	0
TE-30	23	82.1	7	30.4	9	39.1	7	30.4	0	0	0	0
CN-10	20	71.4	4	20	10	50	6	30	0	0	0	0
Fox-30	28	100	7	25	12	42.9	9	32.1	0	0	0	0

ERY-15: Erythromycin 15 µg; OXA-1: Oxacillin 1 µg; CIP-5: Ciprofloxacin 5 µg; C-30:

Chloramphenicol 30 µg; SXT-25 Trimethoprim-sulphamethoxazole 25ug; TET-30: Tetracycline

30ug; CN-10: Gentamycin 10ug; FOX-30: Cefoxitin-30ug; Agogo: Agogo Presbyterian

Hospital; KNUST: Kwame Nkrumah University of Science and Technology Hospital; KATH:

Komfo Anokye Teaching Hospital; Suntreso Government Hospital; Manhyia Government

Hospital. n; number of samples