

**Liaquat National Hospital
Microbiology Department
Antibiogram January to December 2017
Antibiotic Percent % Resistance**

Gram Negative Organisms (% Resistance)

Acinetobacter species	n#	TZP	CRO	CAZ	MEM	IPM	TOB	AK	MH	CIP	SXT		
In-Patient	860	95	97	95	95	96	72	90	27	96	79		
Out-Patient	39	87	97	90	92	85	69	87	31	87	77		
E.coli	n#	AMP	AMC	TZP	SCF	CXM	CRO	MEM	IPM	GEN	AK	CIP	SXT
In-Patient	2459	95	67	32	28	85	82	21	8	39	5	79	72
Out-Patient	1031	88	51	15	12	70	65	10	3	32	2	63	65
Klebsiella pneumoniae	n#	AMP	AMC	TZP	SCF	CXM	CRO	MEM	IPM	GEN	AK	CIP	SXT
In-Patient	1193	100	68	44	44	78	73	66	35	48	34	57	66
Out-Patient	282	100	50	19	17	55	46	24	9	28	12	37	45
Pseudomonas aeruginosa	n#	TZP	CAZ	MEM	IPM	GEN	TOB	AK	CIP				
In-Patient	1136	25	27	24	32	34	31	26	36				
Out-Patient	514	17	22	15	18	28	25	22	30				

Gram Positive Organisms (% Resistance)

Enterococcus species	n#	AMP	AMC	VA	OT						
In-Patient	1130	55	55	26	64						
Out-Patient	195	16	16	4	81						
Staphylococcus aureus	n#	CX	VA	GEN	AK	OT	E	DA	FD	CIP	SXT
In-Patient	1034	71	0	34	9	37	56	16	19	65	10
Out-Patient	558	61	0	30	6	38	57	20	27	61	11
Coagulase negative Staph.	n#	CX	VA	GEN	AK	OT	E	DA	FD	CIP	SXT
In-Patient	180	77	0	56	16	30	81	46	57	77	52
Out-Patient	16	87	0	44	6	25	87	44	81	50	37

Other Organisms (% Resistance)

Burkholderia cepacia	n#	CAZ	MEM	MH	SXT			
In-Patient + Out-Patient	62	13	27	18	10			
Stenotrophomonas maltophilia	n#	MH	LFX	SXT				
In-Patient + Out-Patient	127	5	10	3				
Streptococcus pneumoniae	n#	P	VA	OT	E	DA	LFX	SXT
In-Patient + Out-Patient	114	0	0	25	41	18	6	47

n# = Total number of Isolates
Antibiotic values = percent% resistance

ABBREVIATIONS

AK - Amikacin
 AMC - Amoxicillin-clavulanic acid
 AMP - Ampicillin
 CAZ - Ceftazidime
 CRO - Ceftriaxone
 CXM - Cefuroxime
 CIP - Ciprofloxacin
 CX - Cloxacillin
 DA - Clindamycin
 E - Erythromycin
 FD - Fusidic Acid
 GEN - Gentamicin
 IPM - Imipenem
 LFX - Levofloxacin
 MEM - Meropenem
 MH - Minocycline
 OT - Oxytetracycline
 P - Penicillin
 SCF - Cefoperazone sulbactam
 SXT - Trimethoprim-sulfamethoxazole
 TOB - Tobramycin
 TZP - Piperacillin-tazobactam
 VA - Vancomycin

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