Percentage of susceptible bacteria, University Hospital, 4 hospitals , Jan - Jun 2017

	Organism	TOTAL ISOLATES	BETA - LACTAMS																				CARBAPENEMS			POLY MYXINS	QUINOLONES						AMINOGLYCOSIDES				GLYCOPEPTIDES			MISCELLANEOUS								
			PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN / CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE / SULBACTAM [a]	CEFOTAXIME	CEFOTAXIME BY MIC	CEFTAZIDIME	CEFTAZIDIME BY MIC	CEFTRIAXONE	CEFTRIAXONE BY MIC	CEFEPIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN BY MIC	NALIDIXIC ACID	CIPROFLOXACIN	CIPROFLOXACIN BY MIC	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN	VANCOMYCIN BY MIC	TEICOPLANIN	FOSFOMYCIN	CLINDAMYCIN	CLINDAMYCIN BY MIC	ERYTHROMYCIN	ERYTHROMYCIN BY MIC	NITROFURANTOIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE
Gram negative	*Acinetobacter calcoaceticus-baumannii* complex	805					42.9 (478)	28 (799)						3.4 (411)	-	28.7 (802)	-	-	-	35.4 (79)				17.3 (670)	17.1 (674)	- [e]		29 (797)	-	37.2 (478)			48.5 (792)	34.2 (798)		- [e]									48.9 (405)	23.4 [u] (77)
	Acinetobacter spp.	88					55.4 (74)	70.1 (87)						28.8 (52)	-	59.1 (88)	-	-	-	-				47.1 (51)	48.1 (52)	- [e]		63.6 (88)	-	67.6 (71)			68.6 (86)	57.5 (87)		- [e]									67.3 (55)	- [u]
	Aeromonas hydrophila	34						-			-			91.2 (34)	-	-	-	-	-	-		-	-	-	-			88.2 (34)	-	-			-	-										79.4 (34)	
	Burkholderia cepacia complex	-														-	-								-					- [e]														e	
	Burkholderia mallei	-															-																													e
	Burkholderia pseudomallei	-				- [e]											-																												- [e]	- [e]
	Citrobacter freundii	57						77.4 (31)					-	58.9 (56)	-	65.5 (55)	-	-	-	-			-	-	84.4 (32)		- [u]	80.4 (56)	-	-	- [u]	-	98.2 (56)	81.8 (55)		-						- [u]	-	78.2 (55)	-
	Enterobacter aerogenes	-						-					-	-	-	-	-	-	-	-			-	-	-	- WT	- [u]	-	-	-	- [u]	-			-						- [u]	-	-	-
	Enterobacter cloacae	140						83.5 (115)					86 (114)	59.7 (139)	-	69.1 (139)	-	66.4 (107)	-	-			-	96.2 (104)	97.4 (116)	- WT	- [u]	80.6 (139)	-	-	78.9 [u] (38)	-	97.8 (139)	81.3 (139)		97.1 (102)						- [u]	-	68.1 (138)	-
	Enterobacter spp.	303			2 (298)	7.7 (299)	9 (67)	-	-	- [u]	-	-	67.4 (95)	62.1 (301)	-	67.2 (302)	-	58.7 (75)	-	-		20.6 (63)	-	92.9 (42)	92.7 (109)		- [u]	85.4 (302)	-	-	86.5 [u] (37)	-	97.4 (303)	82.2 (303)		95.2 (63)						- [u]	-	71.1 (298)	-
	Escherichia coli (all isolates)	2,366			14.6 (2345)	73.5 (2344)	28.2 (369)	92.9 (1553)	58.2 (1344)		-	-	89.5 (1489)	59 (2346)	-	72.6 (2341)	-	60.4 (1450)	-	8.8 (68)		90.7 (1341)	-	98.2 (1216)	97.2 (1571)	- WT		44.5 (2340)	-	29.1 (86)		36.6 (634)	98.3 (2346)	65.6 (2340)		98.1 (1345)							-	40.2 (2327)	-
	(Urine)	1,657			14.1 (1655)	73.7 (1652)	26.9 (227)	94 (1141)		39.7 [u] (1035)	-	-	91.1 (1096)	58.9 (1655)	-	72.5 (1650)	-	59.9 (1037)	-	4.2 (48)		91.2 (1032)	-	99.2 (916)	98.2 (1143)	- WT	- [u]	40 (1650)	-	28 (50)	40.9 [u] (1636)	35.9 (613)	98.3 (1655)	63.6 (1649)		98.2 (1036)				97.4 [d] (229)					- [u]	-	39.4 (1643)	-
	(Urine-inpatient)	279			10.8 (279)	72.8 (279)	-	92.8 (251)		37 [u] (227)	-	-	90.9 (252)	40.5 (279)	-	62.9 (278)	-	38.3 (227)	-	-		88.1 (226)	-	98.2 (227)	98 (252)	-	- [u]	38.4 (279)	-	-	40 [u] (275)	27.5 (51)	97.8 (279)	60.6 (279)		95.6 (227)				93.3 [u] (30)					- [u]	-	36.7 (275)	-
	(Urine-outpatient)	-			-	-	-	-		- [u]	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	- [u]	-	-	- [u]	-	-	-		-				- [u]					- [u]	-	-	-
	Haemophilus influenzae (all isolates)	49			59.6 (47)	93.5 (46)	-	-			-	-		92.5 (40)	-	-	-	-	-	-			-	-	-			-	-	100 (36)	-													-	39.1 (46)	-
	(age 0-5 years old)	-			-	-	-	-			-	-			-	-	-	-	-	-			-	-	-			-	-	-													-	-	-
	(age > 5 years old)	40			59 (39)	92.1 (38)	-	-			-	-		91.7 (36)	-	-	-	-	-	-			-	-	-			-	-	100 (34)													-	43.2 (37)	-
	(Sterile sites) [b]	-			-	-	-	-			-	-			-	-	-	-	-	-			-	-	-			-	-	-	-													-	-	-
	(Non-sterile sites) [c]	48			58.7 (46)	93.3 (45)	-	-			-	-		92.3 (39)	-	-	-	-	-	-			37.5 (32)	-	-			-	-	100 (35)	-													-	40 (45)	-
	Klebsiella oxytoca	39			2.6 (39)	82.1 (39)	-	-	-	- [u]	-	-	-	69.2 (39)	-	79.5 (39)	-	-	-	-		-	-	-	-		- [u]	82.1 (39)	-	-	- [u]	-	97.4 (39)	89.5 (38)		-						- [u]	-	69.2 (39)	-
	Klebsiella pneumoniae (all isolates)	1,437				63.8 (1404)	12.6 (278)	67.3 (910)	59.5 (707)	- [u]	-	-	68.4 (868)	59.7 (1405)	-	64.1 (1402)	-	63.4 (768)	-	11.1 (45)		81 (707)	-	86.9 (680)	83.9 (942)	- WT	- [u]	-	62.5 (1404)	60 (60)	56.3 [u] (380)	57.9 (209)	93.9 (1405)	77.8 (1404)		89.9 (704)						- [u]	-	57.1 (1390)	-
	(ICU)	183				49.7 (171)	7.5 (40)	63.5 (137)	49.5 (97)	- [u]	-	-	64.7 (136)	46.2 (171)	-	53.5 (170)	-	52 (102)	-	-		77.3 (97)	-	76.4 (110)	74 (150)	- WT	- [u]	54.4 (169)	-	-	- [u]	-	88.3 (171)	68.8 (170)		83.5 (97)						- [u]	-	49.4 (166)	-
	(inpatient)	402				54.3 (394)	15 (40)	65.6 (343)	47.5 (303)	- [u]	-	-	66.4 (342)	52.2 (393)	-	56.7 (393)	-	51.1 (307)	-	-		71.9 (303)	-	83.3 (312)	83.4 (349)	- WT	- [u]	57.1 (394)	-	-	52.6 [u] (95)	-	87.6 (395)	67.8 (394)		81 (300)						- [u]	-	51.8 (390)	-
	(outpatient)	-				-	-	-	-	- [u]	-	-	-	-	-	-	-	-	-	-		-	-	-	-	- WT	- [u]	-	-	-	- [u]	-	-	-		-						- [u]	-	-	-
	Morganella morganii	119					-	95 (40)					92.5 (40)	90.7 (118)	-	96.6 (117)	-	95.1 (41)	-	-		72.5 (40)	-	90.6 (32)	97.5 (40)		- [u]	80.5 (118)	-	-	75 [u] (56)	64.1 (39)	99.2 (118)	83.8 (117)		97.5 (40)							-	59.8 (117)	
	Proteus mirabilis	348			50.7 (347)	86.1 (345)	-	98.7 (152)	84 (162)	- [u]	-	-	99.3 (150)	89.7 (348)	-	97.4 (348)	-	89.2 (166)	-	-		96.9 (161)	-	97.9 (140)	100 (152)		- [u]	75.2 (347)	-	-	75.2 [u] (161)	69.4 (72)	99.7 (348)	80.9 (346)		90.7 (162)							-	52.3 (346)	
	Proteus vulgaris	58				64.9 (57)	-	-					-	86 (57)	-	91.4 (58)	-	-	-	-		-	-	-	-		- [u]	79.3 (58)	-	-	- [u]	-	100 (58)	87.9 (58)		-							-	77.6 (58)	
	Providencia rettgeri	44					-	-			-	-	-	95.5 (44)	-	95.5 (44)	-	-	-	-		-	-	-	-		- [u]	79.1 (43)	-	-	- [u]	-	97.7 (44)	88.6 (44)		-							-	76.7 (43)	
	Providencia stuartii	-					-	-			-	-	-	-	-		-	-	-	-		-	-	-	-		- [u]	-	-	-	- [u]	-	-										-	-	
	Providencia spp.	-			-	-	-	-	-	- [u]	-	-	-	-	-	-	-	-	-	-		-	-	-	-		- [u]	-	-	-	- [u]	-	-		-						- [u]	-	-	-
	Pseudomonas aeruginosa	1,024						83.9 (1020)								82.5 (1017)	-			75.3 (89)				71.1 (578)	72.5 (581)	- [e]		84.1 (1022)	-	81.1 (594)	- [u]	-	89.6 (1019)	84.5 (522)		83.3 (90)										
	Salmonella , Non-typhoidal	-			-								-	-	-	-	-	-	-								-	-	-	- [e]		- [e]										-	-	
	Serratia marcescens	33						-					-	90.9 (33)	-	100 (33)	-	-	-	-			-	-	-		- [u]	- [u]	-	-	- [u]	-	100 (33)	100 (33)		-							-	93.8 (32)	-
	Shigella spp.	-			-																						-	-	-	- [u]	-											-		

Gram negative	*Stenotrophomonas maltophilia*	359															-													90.5 (346)																-	81.7 (349)	
	Vibrio cholerae (all serotypes)	-			-																																									-	-	-
	Vibrio cholerae non O1, non O139	-			-																																									-	-	-
	Vibrio parahaemolyticus	56			-	-	-	-	-[e]	-[e]	-			90.9 (55)	-	-	-			-		-		-	-		-	92.7 (55)	-	-	-	98.2 (55)															96.3 (54)	-
	Vibrio spp.	65			-	-	-	-	-[e]	-[e]	-			92.1 (63)	-	-	-			-		-		-	-		-	92.2 (64)	-	-	-	98.4 (64)															96.8 (62)	-
Gram positive	*Enterococcus faecalis*	312	65.7 (309)	-	94.2 (310)																								-[u]	-[u]	41.4[u] (174)	31[u] (168)				50.3[h] (306)		95.6 (250)	-	-	93.5[u] (306)			-	-	-[u]	-		-[u]
	Enterococcus faecium	233	11.2 (215)	-	14.2 (218)																								-[u]	-[u]	6.1[u] (115)	6[u] (116)				76.5[h] (217)		85.6 (180)	-	-				-	-	-[u]	-		-[u]
	Enterococcus spp.	527	47.5 (509)	-	59 (432)																								-[u]	-[u]	38[u] (442)	33.3[u] (24)				72.6[h] (431)		92.9 (480)	-	-				8.5 (47)	-	-[u]	72.3 (47)		12.3[u] (293)
	Staphylococcus aureus (all isolates)	695	10.9 (595)	-																	83.5[f] (686)							-	-	-	-[u]	-	-	89.2 (511)		-		-	100[e] (178)		80.4 (679)	-	81.7 (678)	-	-[u]	-	95.9 (680)	61.5 (174)
	(MRSA)	119	0 (111)	-																	0[f] (119)							-	-	-	-[u]	-	-	44 (84)		-		-	100[e] (34)		19 (116)	-	22.4 (116)	-	-[u]	-	84.6 (117)	66.7 (33)
	(MSSA)	581	12.9 (487)	-																	99.8[f] (581)							-	-	-	-[u]	-	-	97.2 (430)		-		-	100[e] (146)		91.9 (567)	-	92.8 (566)	-	-[u]	-	97.9 (569)	60.1 (143)
	(ICU)	46	4.5 (44)	-																	84.8[f] (46)							-	-	-	-[u]	-	-	-		-		-	-[e]		82.2 (45)	-	84.4 (45)	-	-[u]	-	93.5 (46)	-
	(inpatient)	124	7.4 (122)	-																	72.4[f] (123)							-	-	-	-[u]	-	-	-		-		-	100[e] (87)		68.5 (124)	-	69.4 (124)	-	-[u]	-	96.7 (122)	65.5 (84)
	(outpatient)	-	-	-																	-[f]							-	-	-	-[u]	-	-	-		-		-	-[e]		-	-	-	-	-[u]	-	-	-
	Staphylococcus, coagulase negative	651	9.2 (555)	-																	35.8[f] (646)							-	-	-	52.8[u] (72)	60.5 (38)	-	64.5 (425)		-		-	98.6[e] (218)		43.8 (600)	-	28.4 (599)	-	-[u]	-	65.7 (645)	51.4 (218)
	Staphylococcus, coagulase negative (blood)	211	8.2 (159)	-																	31.4[f] (210)							-	-	-		-	-	66.1 (124)		-		-	98.8[e] (84)		41.4 (210)	-	27.5 (211)	-		-	63.9 (208)	46.3 (82)
	Streptococcus agalactiae	40	100 (34)	-	-									-	-			100 (38)	-											-		-					100 (39)				-	-	89.7 (39)	-		-		-
	Streptococcus, β-hemolytic not Group A,B	32	-	-	-									-	-			-	-	-										-		-					100 (30)				-	-	77.4 (31)	-		-		-
	Streptococcus pyogenes	60	100 (60)	-	-									100 (37)	-			-	-	-										-		-					100 (51)				91.3 (46)	-	89.8 (59)	-		-		-
	Streptococcus pneumoniae (all isolates)	58	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (41)				81.1 (37)	-	60.7 (56)	-		-	-	-
	(age 0-5 years old)	-	-[d]	-		-[e]					-[e]	-[e]																		-		-					-				-	-	-	-		-	-	-
	(age > 5 years old)	45	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (33)				83.9 (31)	-	68.9 (45)	-		-	-	-
	(Sterile sites)[b]	-	-[d]	-		-[e]					-[e]	-[e]																		-		-					-				-	-	-	-		-	-	-
	(Non-sterile sites)[c]	44	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (31)				-	-	55.8 (43)	-		-	-	-
	(Meningitis: by E-test)	-		-[e]											-[e]				-[e]	-[e]																												
	(Nonmeningitis: by E-test)	-		-[e]		-[e]									-[e]				-[e]	-[e]																												

[a] : No CLSI Interpretive Criteria. Interprete according to cefoperazone/sulbactam in *Enterobacteriacae*

[b] : Blood, Pleural Fluid

[c] : Sputum, Ear, Sinus

[d] : Interprete according to oxacillin susceptibility test

[e] : MIC Interpretive Criteria

[f] : Interprete according to cefoxitin susceptibility test

[h] : High-Level Aminoglycoside

[u] : Urine, Urine Catheter, Urine Clean- Voided

[WT] : Wild-type