Percentage of susceptible Organisms Isolated From All Specimen, University Hospital, 4 hospitals, Jan - Jun 2018

	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	1095			R	R	45.9 (207)	34.1 (1088)						22.9 (458)	-	34.5 (1091)	-	27.5 (459)	-	41.7 (722)			R	34.5 (1087)	33.7 (1091)	- [e]		33.6 (1092)		46 (683)			51 (1070)	41 (1082)		- [e]				R						R	43.2 (468)	- [u]
	ICU	246			R	R	-	24.4 (246)						17.2 (87)	-	26.4 (246)	-	18.2 (88)	-	37.7 (130)			R	30.2 (245)	30.5 (246)	- [e]		26.1 (245)		37.1 (116)			41.4 (239)	32.5 (246)		- [e]				R						R	25.8 (89)	- [u]
	inpatient	378			R	R	64.7 (51)	33.2 (374)						26 (77)	-	34.7 (375)	-	32.9 (79)	-	55.8 (165)			R	34.9 (375)	34.6 (376)	- [e]		32.2 (376)		55.6 (142)			52.1 (365)	40.9 (369)		- [e]				R						R	51.9 (81)	- [u]
	Acinetobacter spp.	460					11.4 (211)	18.3 (453)						29.2 (89)	-	16.4 (456)	-	37.1 (89)	-	15.1 (431)				17.4 (454)	16.6 (451)	- [e]		18.3 (458)		22 (355)			39 (408)	28.1 (430)		- [e]											44.8 (96)	- [u]
	Aeromonas hydrophila	46						87.5 (32)			-			87.2 (39)	-	93.8 (32)	-	79.4 (34)	-	-		12.9 (31)	-	59.4 (32)	93.8 (32)			95.7 (46)		-			96.8 (31)	90.3 (31)											-	89.1 (46)	-
	Burkholderia cepacia complex	37			R	R	R	R						R	R	88.9 (36)	-	R	R	R			R	R	81.1 (37)	R				- [e]			R	R	R	R				R						- [e]	94.3 (35)	
	Burkholderia pseudomallei	32				- [e]											-							- [e]																					80 [e] 30	- [e]
	Citrobacter freundii	68			R	R	R	75.8 66	R	R	R	R	-	50.8 61	-	66.2 68	-	61.8 68	-	82.2 45		R	-	86.2 (65)	86.2 65		- [u]	63.2 68		79.5 39	- [u]	-	98.4 62	66.2 65		88 50							- [u]	-	66.2 (68)	-
	Enterobacter cloacae	254			R	R	R	80.2 (248)	R	R	R	R	89.6 (115)	62.4 (205)	-	68.8 (253)	-	64.2 (254)	-	67.9 (140)		R	-	92.3 (247)	92.4 (251)	- [WT]	- [u]	80.6 (253)		85.6 (90)	48.3 [u] (58)	-	95.7 (209)	85.5 (249)		96.6 (149)							- [u]	-	76.3 (253)	-
	Enterobacter spp.	299			4.7 295	10.8 297	-	86.5 (275)	2.4 41	- [u]	53.2 263	-	-	69.2 (295)	-	76.1 (297)	-	71.7 (297)	-	79.7 (261)		10.7 290	-	94.2 (276)	94.2 (275)		- [u]	85.9 (297)		88.8 (259)	- [u]	-	99 (295)	88.7 (293)		95.4 (283)							- [u]	-	80.1 (297)	-
	Escherichia coli all isolates	3,414			14 (3398)	68.1 (3396)	37.7 (390)	92.2 (3172)	36.8 (494)		55.6 1321	-	94.1 (1095)	56.3 (2829)	-	72.2 (3399)	-	56.9 (3396)	-	59.7 (2086)		84.9 (3374)	-	97.3 (3154)	97.3 (3191)	- [WT]		42 (3382)		42.9 (1483)		-	99 (2907)	63.4 (3297)		92.7 (2404)								-	41.3 (3396)	-
	Urine	2,447			14.1 (2443)	69.2 (2441)	35 (214)	93.5 (2280)		58.9 [u] 1056	55.7 (885)	-	96 (825)	57.5 (1941)	-	74.1 (2443)	-	57.9 (2444)	-	60 (1474)		86.8 (2431)	-	98.1 (2257)	98 (2290)	- [WT]	- [u]	39 (2425)		36.6 (939)	41 [u] 1780	-	98.9 (2010)	62.8 (2378)		92.4 (1700)				95.5 [u] 67			- [u]	-	40.1 (2442)	-
	Urine-inpatient	562			12.5 (562)	60.4 (560)	23.2 (82)	90 (560)		42.8 [u] (201)	44.2 (52)	-	90.1 (203)	41.9 (344)	-	62.9 (561)	-	43.6 (562)	-	47.8 (358)		82.6 (559)	-	96.4 (553)	96.6 (562)	- [WT]	- [u]	37.1 (552)		39.7 (131)	39.5 [u] (499)	-	98.1 (370)	55.8 (541)		91.3 (254)				- [u]			- [u]	-	38 (561)	-
	Urine-outpatient	497			17.1 (497)	64.3 (496)	42.7 (143)	92.8 (487)		- [u]	71.9 (32)	-	-	60.3 (194)	-	76.2 (495)	-	60.6 (497)	-	63.7 (493)		86.9 (496)	-	98.5 (474)	98.4 (497)	- [WT]	- [u]	38.6 (484)		44 (168)	39.9 [u] (461)	-	99.2 (236)	66.3 (457)		88.2 (34)				- [u]			- [u]	-	45 (496)	-
	Haemophilus influenzae all isolates	156			46.8 (154)	87.3 (142)	73.9 (69)	-			-	-		98.5 (65)	-	-	-	97.4 (38)	-	-			-	-	-			100 (98)		100 (54)		-										93.3 (30)	42.7 (150)	-
	age 0-5 years old	43			55.8 (43)	87.5 (40)	-	-			-	-		-	-	-	-	-	-	-			-	-	-			100 (34)		-													-	50 (42)	-
	age > 5 years old	119			44.4 (117)	87 (108)	71.1 (45)	-			-	-		98.2 (56)	-	-	-	96.7 (30)	-	-			-	-	-			100 (69)		100 (49)		-													-	41.2 (114)	-
	Non-sterile sites [c]	154			47.4 (152)	87.1 (140)	74.6 (67)	-			-	-		98.4 (64)	-	-	-	97.3 (37)	-	-			-	-	-			100 (96)		100 (54)		-										93.3 (30)	43.2 (148)	-
	Klebsiella aerogenes	85			R	R	R	75.4 (69)	R	R	R	R	-	62.5 (72)	-	69.4 (85)	-	65.9 (85)	-	75 (60)		R	-	86.4 (66)	91.3 (69)	- [WT]	- [u]	89.4 (85)		89.1 (46)	- [u]	-	97.3 73	90.2 82		96.4 55							- [u]	-	82.4 (85)	-
	Klebsiella oxytoca	40			0 40	70 40	-	83.3 (36)	-	- [u]	-	-	-	77.8 (36)	-	82.5 (40)	-	74.4 (39)	-	-		87.2 39	-	94.3 (35)	97.2 (36)	-	- [u]	82.5 (40)		-	- [u]	-	97.3 (37)	92.5 (40)		96.9 (32)							- [u]	-	77.5 (40)	-
	Klebsiella pneumoniae all isolates	2,039			R	60.3 (2005)	51.8 (355)	72.8 (1909)	53.2 (504)	46.7 [u] (270)	50.3 (780)	-	72.5 (579)	57.2 (1681)	-	62.2 (2009)	-	59.7 (2005)	-	60.3 (1375)		76.2 (1995)	-	84.7 (1934)	84.7 (1949)	- [WT]	- [u]	60.5 (2001)		67.5 (1044)	50.1 [u] (493)	-	92.5 (1727)	80.6 (1946)		85.2 (1320)							- [u]	-	58.8 (2005)	-
	ICU	279			R	53.1 (262)	40.5 (42)	64.3 (258)	53.2 (111)	- [u]	41.5 (53)	-	66.7 (129)	50.2 (217)	-	54.2 (262)	-	51.5 (262)	-	51.8 (141)		68.7 (262)	-	72.5 (273)	72.4 (275)	- [WT]	- [u]	54.8 (263)		57.9 (95)	45.7 [u] (35)	-	85.3 (224)	75.7 (255)		79.8 (173)							- [u]	-	54.6 (262)	-
	inpatient	753			R	50.4 (746)	42.7 (218)	66 (741)	37.6 (194)	35 [u] (80)	37.2 (86)	-	63 (246)	46.5 (548)	-	54.6 (746)	-	50.4 (744)	-	55.8 (500)		68.4 (743)	-	77.2 (745)	77.8 (752)	- [WT]	- [u]	52.4 (742)		57.7 (298)	43.5 [u] (200)	-	84.6 (570)	77.6 (714)		75.7 (325)							- [u]	-	52.3 (744)	-
	outpatient	275			R	68.6 (274)	57.6 (132)	80.9 (267)	-	- [u]	-	-	-	73.9 (142)	-	73 (274)	-	69.7 (274)	-	71.1 (270)		81.8 (274)	-	90.3 (267)	88.7 (274)	- [WT]	- [u]	66.7 (270)		78.7 (136)	50.9 [u] (114)	-	93.3 (164)	86.5 (244)		-							- [u]	-	68 (275)	-
	Morganella morganii	190			R	R	27.8 (36)	97.2 (178)	R	R	R	R	97.3 (37)	88.2 (169)	-	93.7 (189)	-	93.1 (189)	-	97.9 (140)		52.6 (190)	-	70.4 (162)	100 (177)	R	- [u]	77.1 (188)		84.3 (115)	78.4 [u] (51)	-	100 (170)	78.5 (177)		92.3 (130)						R		-	68.9 (190)	
	Proteus mirabilis	526			47.4 (523)	85.1 524	75 64	96.9 482	51.4 72	81.8 [u] 88	79.2 207	-	99.1 115	84.4 (392)	-	95 525	-	86 (520)	-	85.8 367		95.6 518	-	71 372	97.9 (478)	R	- [u]	70.1 (522)		77.8 (234)	65.3 [u] 199	-	99.8 407	73.4 511		88.5 322						R		-	52.5 (524)	R
	Proteus vulgaris	63			R	53.2 (62)	-	100 (54)	R	R	R	R	-	96.3 (54)	-	95.2 (62)	-	87.1 (62)	-	100 (44)		79 (62)	-	69.8 (53)	100 (55)	R	- [u]	88.7 (62)		97.1 (35)	- [u]	-	100 (54)	91.5 (59)		95.7 (46)						R		-	82 (61)	R
	Providencia rettgeri	32			R	R	-	100 (32)	R	R	-	-	-	-	-	93.8 (32)	-	84.4 (32)	-	-		81.2 (32)	-	70 (30)	100 (32)	R	- [u]	83.9 (31)		-	- [u]	-	-	-		-						R		-	81.2 (32)	R
	Providencia stuartii	31			R	R	-	-	R	R	-	-	-	-	-	80.6 (31)	-	77.4 (31)	-	-		87.1 (31)	-	-	100 (30)	R	- [u]	66.7 (30)		-	- [u]	-	-	-		-						R		-	-	R
	Pseudomonas aeruginosa	1,497			R	R	R	81.4 (1488)						R	R	81.8 (1492)	-	R	R	81.5 (1066)			R	77.6 (1480)	79.6 (1492)	- [e]	-	81.2 (1486)		80.1 (893)	63 [u] (146)	-	91.3 (1352)	86.3 (1435)		90 (590)							R	R	R	R
	Salmonella , Non-typhoidal	257			43.3 (180)								-	82.9 (105)	-	87 (54)	-	85.2 (122)	-								- [u]	57.1 (254)	-	- [e]		- [e]												-	87.8 (237)	
	Serratia marcescens	74			R	R	R	97.3 73	R	R	R	R	100 (31)	91.5 (71)	-	97.3 (74)	-	95.9 (73)	-	95.1 41		R	-	95.9 73	100 73	R	- [u]	98.6 (72)		100 (36)	- [u]	-	100 72	98.6 70		100 57						R		-	95.9 74	-

Gram negative	*Stenotrophomonas maltophilia*	537			R	R	R	R									-	R	R				R	R	R					87.2 (516)			R	R	R	R				R						-[e]	91.2 (535)	
	Vibrio parahaemolyticus	58			-	-	-	-	-[e]	-[e]	-			90.9 55	-	-	-			-		-		-	-			93.1 58	-	-		97.6 41	-	-													100 (57)	-
	Vibrio spp.	31			-	-	-	-	-[e]	-[e]	-			90 (30)	-	-	-			-		-		-	-			100 (31)	-	-		-	-	-													71 (31)	-
Gram positive	*Enterococcus faecalis*	642	74.4 442	-	95.8 (639)				R	R	R	R	R	R	R	R	R	R	R	R								39.9[u] (158)	-[u]	41.6[u] (286)	36[u] 189		R	R	64.2[h] 508	R	99.2 632	-	99.5 195	88.5[u] 104	R	R	13 246	-	100[u] 37	56 241	R	8.9[u] (358)
	Enterococcus faecium	522	9.2 (338)	-	8 (514)				R	R	R	R	R	R	R	R	R	R	R	R								5.9-[u] (102)	-[u]	5.4[u] (203)	1.7[u] (179)		R	R	71.6[h] (443)	R	81 (516)	-	79.1 (172)		R	R	5.1 (156)	-	-[u]	86.2 (152)	R	12.2[u] (287)
	Enterococcus spp.	329	44.4 (304)	-	53.5 (318)																							-[u]	-[u]	36.2[u] (163)	-[u]				69.4[h] (297)		88 (317)	-	-[e]				20.9 (43)	-	78.6[u] (145)	79.5 (39)		13.8[u] (159)
	Staphylococcus aureus all isolates	1,247	10.8 (733)	-																	82.7[f] 1157							89.9 (398)	-	91.3 (413)	77.8[u] (45)	-		88.7 914				-	-[e]		78.4 1203	-	75.2 (1211)	-	-[u]	94.2 (397)	96.5 1244	59.6 (659)
	MRSA	207	0 (98)	-																	0[f] (207)							22 (41)	-	25.6 (43)	-[u]	-		39.2 (148)				-	-[e]		15.2 (198)	-	13.1 (198)	-	-[u]	95.1 (41)	89.9 (207)	58.8 (85)
	MSSA	973	12.2 (574)	-																	99.8[f] (973)							97.3 (292)	-	98.7 (305)	97.1[u] (35)	-		97.6 (697)				-	-[e]		90.4 (940)	-	87 (947)	-	-[u]	94.2 (291)	97.8 (971)	59.2 (512)
	ICU	103	12.3 (65)	-																	85[f] (100)							-	-	-	-[u]	-		89.3 (56)				-	-[e]		77.2 (101)	-	74.3 (101)	-	-[u]	-	99 (103)	63.9 (61)
	inpatient	406	12.4 (170)	-																	74.7[f] (387)							93.3 (45)	-	93.3 (45)	-[u]	-		82.2 (247)				-	-[e]		74.9 (394)	-	68.9 (396)	-	-[u]	88.9 (45)	97.3 (405)	62.3 (162)
	outpatient	177	-	-																	81.8[f] (170)							-	-	-	-[u]	-		91.3 (150)				-	-[e]		74.5 (161)	-	70.8 (161)	-	-[u]	-	97.7 (176)	-
	Staphylococcus, coagulase negative	1,014	11.5 (539)	-																	39.2[f] (711)							59 (307)	-	60 (300)	53.6[u] (110)	-		67 (773)				-	-[e]		44 (902)	-	33.5 (908)	-	-[u]	92.1 (280)	66.9 (997)	58.2 (466)
	Staphylococcus, coagulase negative blood	425	12.4 (169)	-																	36.4[f] (332)							63 (92)	-	63.9 (97)		-		68 (341)				-	-[e]		43.9 (421)	-	32.8 (421)	-		94.3 (88)	65.3 (424)	62.2 (148)
	Streptococcus agalactiae	199	98.9 (189)	-	-									99.2 125	-			96.4 56	-	-										-		-					100 193				70.4 (108)	-	74.3 (136)	-		92.2 (77)		-
	Streptococcus, β-hemolytic not Group A,B	71	93.8 (65)	-	-									96.4 (55)	-			-	-	-										-		-					100 (69)				84.3 (51)	-	88.5 (61)	-		94.6 (37)		-
	Streptococcus pyogenes	118	100 (113)	-	-									100 (72)	-			-	-	-										-		-					100 (117)				97.7 (87)	-	92.2 (115)	-		94.4 (54)		-
	Streptococcus pneumoniae all isolates	87	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (79)				58.6 (70)	-	52.9 (87)	-		81.2 (48)	43.8 64	-
	age > 5 years old	66	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (59)				62.7 (51)	-	56.1 (66)	-		81.8 (33)	50 (46)	-
	Non-sterile sites c	65	-[d]	-		-[e]					-[e]	-[e]																		-		-					100 (60)				56.9 (51)	-	49.2 (65)	-		80.5 (41)	40.8 (49)	-

[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

%S	
(green)	≥ 90
(yellow)	80-89
(orange)	70-79
(red)	50-69
(grey)	< 50