Percentage of susceptible Organisms Isolated From All Specimen, RMSc 12 & 12/1, 8 hospitals, Jan -Dec 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	4,166					28.6 (7)	33.1 (3146)						4.3 (1389)	-	39.9 (4126)	-	3.3 (2928)	67.3 (263)	41 (273)				35.3 (3151)	42.2 (3893)	99.6 [e] (256)		45.3 (3264)	-	49.5 (3276)			58.8 (4157)	51.3 (4029)		- [e]										48.1 (4022)	- [u]
	Acinetobacter spp.	461					-	70 (237)						20.4 (313)	-	65.1 (450)	-	27.3 (366)	-	69.7 (33)				70.7 (242)	67.7 (433)	- [e]		76.1 (373)	-	84.1 (314)			77 (453)	74.8 (441)		- [e]										75.2 (367)	- [u]
	Aeromonas hydrophila	56						90.9 (55)			92.9 (14)			100 (19)	-	94.5 (55)	-	94.4 (54)	-	-		-	-	78.7 (47)	96.2 (52)			98.1 (52)	-	100 (52)			98.2 (56)	94.5 (55)								-		96.2 (52)	-
	Burkholderia cepacia complex	-														96.4 (28)	-								-					- [e]											- [e]		-	
	Burkholderia mallei	-															-																												- [e]	
	Burkholderia pseudomallei	164				- [e]											-																											- [e]	- [e]
	Citrobacter freundii	111						69.2 (65)					80 (80)	64.9 (74)	-	64.3 (98)	-	66.3 (92)	-	-			-	87.3 (71)	94.4 (90)		- [u]	76.4 (72)	-	85.2 (61)	- [u]	-	96.2 (106)	82.9 (105)		-						- [u]	-	73.5 (98)	-
	Enterobacter aerogenes	406						82.8 (233)					88.6 (236)	58.2 (311)	-	61.3 (364)	-	62.8 (296)	-	-			-	97.5 (239)	97.7 (308)	- [WT]	- [u]	89.7 (204)	-	97.2 (143)	88.1 [u] (42)	-	97 (406)	77.1 (367)		-						- [u]	-	78 (332)	-
	Enterobacter cloacae	876						80.1 (715)					86.6 (710)	63.4 (448)	-	62.5 (760)	-	64.6 (813)	0 (49)	75.6 (78)			-	94.5 (706)	96.4 (724)	- [WT]	- [u]	76.9 (681)	-	92 (550)	74.2 [u] (120)	89.3 (56)	97.5 (875)	78.3 (865)		-						- [u]	-	69.3 (745)	-
	Enterobacter spp.	412			2 (399)	5.2 (349)	-	82.4 (17)	0 (5)	- [u]	-	0 (10)	91 (398)	61.3 (408)	-	68.2 (396)	-	65 (411)	-	-		94.5 (1436)	-	-	97.7 (399)		- [u]	79.8 (400)	-	91.9 (383)	81.5 [u] (54)	-	96.8 (411)	82.4 (410)		89.4 (386)						- [u]	-	72.8 (404)	-
	Escherichia coli (all isolates)	6,822			17.6 (6041)	67.5 (6349)	50 (4)	90.8 (4835)	51.6 (349)		-	60.2 (2162)	90.3 (5513)	60.9 (4498)	-	67.5 (5931)	-	63.1 (6149)	0 (339)	69.3 (378)		94.5 (1436)	-	98.1 (4782)	98.4 (5563)	- [WT]		57.8 (4025)	-	57.8 (3767)		60.3 (547)	98.5 (6814)	74.7 (6648)		96.4 (826)							-	48 (6034)	-
	(Urine)	4,061			16.3 (3580)	64 (3563)	50 (4)	90.1 (2923)		47.2 [u] (193)	-	58.2 (1327)	89.6 (3316)	57.4 (2643)	-	65.1 (3550)	-	60.5 (3630)	0 (203)	69.6 (247)		94 (866)	-	98 (2884)	98.3 (3289)	- [WT]	- [u]	49 (1585)	-	51.5 (2259)	48.6 [u] (3971)	56.7 (425)	98.5 (4059)	71.7 (3955)		95.5 (488)				- [u]		- [u]	-	45.5 (3600)	-
	(Urine-inpatient)	1,162			16.3 (876)	69.2 (886)	-	90.4 (717)		43 [u] (86)	-	61.2 (309)	90.9 (989)	57.1 (1131)	-	64.2 (1149)	-	57.6 (1055)	-	64.7 (150)		91.6 (298)	-	98.7 (696)	99 (887)	-	- [u]	55.8 (453)	-	58.4 (445)	50.6 [u] (1113)	59.8 (132)	99.1 (1162)	71.1 (1115)		97 (269)				- [u]		- [u]	-	44.8 (978)	-
	(Urine-outpatient)	674			16.2 (506)	70 (473)	-	92.8 (346)		50 [u] (2)	-	66.5 (194)	92.2 (540)	58.4 (515)	-	71.2 (656)	-	62 (560)	-	79.4 (63)		95.8 (190)	-	98.8 (335)	98.9 (537)	-	- [u]	37.4 (270)	-	49.5 (414)	46.4 [u] (649)	43.4 (53)	98.2 (673)	74.1 (629)		94.5 (200)				- [u]		- [u]	-	45.8 (670)	-
	Haemophilus influenzae (all isolates)	672			71.6 (659)	96.8 (655)	-	100 (30)			-	96 (126)		99.6 (526)	-	98.8 (242)	-	99.5 (658)	-	94.3 (53)			-	100 (42)	100 (155)			99.3 (446)	-	100 (38)		100 (30)										88.1 (471)	42.5 (664)	64.7 (402)
	(age 0-5 years old)	129			68 (128)	98.4 (127)	-	100 (5)			-	100 (43)		98.9 (93)	-	97.7 (43)	-	100 (122)	-	-			-	-	100 (40)			100 (71)	-	-		-										87.4 (103)	35.2 (128)	58.8 (85)
	(age > 5 years old)	543			72.5 (530)	96.4 (528)	-	100 (24)			-	94 (84)		99.8 (433)	-	99 (199)	-	99.4 (537)	-	93.8 (32)			-	100 (35)	100 (114)			99.2 (375)	-	-		-										88.1 (369)	44.4 (536)	66 (318)
	(Sterile sites) [b]	55			59.3 (54)	94.3 (53)	-	100 (13)			-	100 (8)		97.6 (42)	-	100 (31)	-	98 (49)	-	-			-	-	-			100 (33)	-	-		-										-	53.7 (54)	-
	(Non-sterile sites) [c]	624			72.5 (612)	97 (609)	-	100 (18)			-	95.8 (119)		99.8 (487)	-	98.6 (213)	-	99.7 (616)	-	94.1 (51)			-	-	100 (135)			99.3 (416)	-	100 (35)		-										88 (451)	41.1 (615)	64.9 (387)
	Klebsiella oxytoca	99			0 (86)	82.8 (93)	-	85.4 (48)	50 (16)	50 [u] (4)	-	82.2 (45)	89.2 (65)	73.9 (88)	-	77.3 (75)	-	75 (88)	-	-		95.2 (42)	-	97.9 (47)	97.4 (76)		- [u]	81 (63)	-	87.2 (39)	- [u]	-	97 (99)	89.6 (96)		-						- [u]	-	83.6 (73)	-
	Klebsiella pneumoniae (all isolates)	6,813				61 (6635)	77.8 (9)	64.6 (4328)	42.8 (430)	26.1 [u] (69)	-	54.5 (1881)	73.7 (5645)	60.2 (4741)	-	57.3 (6252)	-	58.6 (5996)	0.2 (441)	64.9 (336)		91.2 (1224)	-	91.6 (4305)	91.8 (5901)	- [WT]	- [u]	68.1 (4995)	-	77.5 (4200)	52.8 [u] (1337)	77.4 (491)	95 (6796)	80.3 (6620)		96.5 (1406)				- [u]		- [u]	-	58.7 (5991)	-
	(ICU)	527				56.1 (512)	-	52.8 (127)	-	- [u]	-	45.3 (137)	74.6 (389)	52.5 (448)	-	49.4 (518)	-	49.4 (427)	-	-		81.8 (137)	-	87 (131)	93.2 (473)	- [WT]	- [u]	68.4 (370)	-	83.4 (344)	60 [u] (65)	-	90.8 (523)	74 (481)		92.9 (269)				- [u]		- [u]	-	57.3 (522)	-
	(inpatient)	2,488				64.6 (2384)	-	72.9 (1350)	39 (290)	30 [u] (40)	-	51.7 (584)	79 (2080)	56.9 (2452)	-	59.2 (2440)	-	59.3 (2273)	-	62.8 (282)		90.4 (581)	-	97 (1318)	97 (2076)	- [WT]	- [u]	72.2 (1624)	-	87 (1058)	57.1 [u] (396)	71.9 (32)	97.1 (2482)	82.4 (2394)		95.6 (742)				- [u]		- [u]	-	60.9 (2005)	-
	(outpatient)	685				83.1 (622)	-	83.4 (151)	-	- [u]	-	63.9 (119)	93 (597)	76.9 (603)	-	78.8 (678)	-	80.5 (614)	-	87.9 (33)		87.4 (119)	-	97.3 (149)	99 (628)	- [WT]	- [u]	85.3 (552)	-	92.1 (558)	56.6 [u] (143)	-	98.4 (683)	90.8 (651)		98.7 (450)				- [u]		- [u]	-	76.5 (682)	-
	Morganella morganii	269					-	96.8 (157)					92.3 (181)	91.6 (167)	-	92 (212)	-	94.8 (252)	-	-		57.5 (87)	-	88.9 (126)	98.4 (183)		- [u]	92.5 (187)	-	88.2 (127)	76.8 [u] (69)	-	99.3 (269)	88.4 (259)		-							-	76.7 (245)	
	Proteus mirabilis	883			63.1 (731)	90.7 (852)	100 (2)	99.4 (535)	71.4 (28)	88.9 [u] (9)	-	85.2 (400)	99 (628)	90.1 (629)	-	96.7 (749)	-	93.1 (669)	0 (124)	89.7 (39)		99.3 (268)	-	97.8 (496)	99.7 (671)		- [u]	87 (607)	-	88.5 (495)	81.9 [u] (265)	90.6 (138)	100 (878)	89.6 (846)		91.8 (97)							-	67.7 (805)	
	Proteus vulgaris	157				61.8 (152)	-	99 (96)					97.4 (116)	89.5 (114)	-	95.5 (134)	-	93.3 (149)	-	-		98 (51)	-	87.1 (93)	99.2 (119)		- [u]	91.5 (106)	-	92 (75)	96.9 [u] (32)	-	100 (157)	93.5 (153)		-							-	80.9 (131)	
	Providencia rettgeri	57					-	100 (48)			-	88.9 (9)	98 (49)	88 (25)	-	85.7 (49)	-	93 (57)	-	-		-	-	93.3 (45)	100 (47)		- [u]	93.2 (44)	-	91.7 (36)	- [u]	-	100 (57)	100 (57)		-							-	74 (50)	
	Providencia stuartii	-					-	100 (12)			-	-	100 (10)	-	-	91.7 (12)	-	-	-	-		-	-	-	-		- [u]	-	-	-	- [u]	-	-										-	100 (12)	
	Providencia spp.	67			6.2 (48)	28.3 (60)	-	96.9 (32)	0 (3)	- [u]	-	84.4 (32)	90.9 (44)	85.7 (56)	-	93 (57)	-	90.7 (54)	-	-		87.5 (32)	-	-	100 (53)		- [u]	83.7 (43)	-	91.2 (34)	- [u]	-	98.5 (66)	98.4 (62)		-						- [u]	-	93.4 (61)	-
	Pseudomonas aeruginosa	3,599						85 (3370)								84.9 (3575)	-			95.6 (227)				82.6 (3062)	84.1 (3355)	- [e]		87.6 (2790)	-	84 (2094)	70.5 [u] (288)	90.7 (334)	90.7 (3594)	87 (3511)		93.4 (301)										
	Salmonella , Non-typhoidal	62			53.6 (56)								100 (6)	84.6 (13)	-	87.5 (8)	-	97.5 (40)	-								-	72.2 (36)	-	- [e]		- [e]										-	93.4 (61)	
	Serratia marcescens	137						95.8 (72)					94.3 (88)	86.7 (98)	-	88.1 (101)	-	88 (125)	-	-			-	100 (73)	100 (91)		- [u]	- [u]	-	96.7 (61)	- [u]	-	97.8 (136)	97.1 (136)		-							-	88.9 (126)	-
	Shigella spp.	39			75.7 (37)																						-	-	-	-	- [u]	-											16.2 (37)	

	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	CEFOXTIN	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 [e]	CO-TRIMOXAZOLE	TETRACYCLINE
Gram negative	*Stenotrophomonas maltophilia*	392															-									[e]				95.2 (273)															-	96.1 (388)	[u]
	Vibrio cholerae (all serotypes)	-			100 (1)																																								-	-	-
	Vibrio cholerae non O1, non O139	-			-																																								-	-	-
	Vibrio parahaemolyticus	67			100 (1)	100 (1)	-	-	- [e]	- [e]	-			-	-	-	-			-		-		-	-		-	-	-	-	100 (62)	-													98.4 (63)	98.3 (58)
	Vibrio spp.	86			11 (82)	90 (10)	-	-	- [e]	- [e]	-			-	-	-	-			-		-		-	-		-	-	-	-	100 (70)	-													98.7 (78)	97 (67)
Gram positive	*Enterococcus faecalis*	1,143	77.9 (712)	100 (1)	96.6 (1102)																							19.4 [u] (165)	- [u]	- [u]	25.7 [u] (700)				53.9 [h] (592)		98.8 (1099)	-	100 (115)	93.7 [u] (285)			22.4 (174)	-	- [u]	80.7 (114)		9.9 [u] (263)
	Enterococcus faecium	408	5 (220)	-	8.2 (392)																							7.6 [u] (79)	- [u]	- [u]	5.8 [u] (310)				66.7 [h] (231)		98.7 (386)	-	100 (48)				10 (40)	-	- [u]	-		6.3 [u] (79)
	Enterococcus spp.	903	52.2 (857)	-	68 (901)																							- [u]	- [u]	- [u]	26.2 [u] (61)				56.9 [h] (805)		98 (901)	-	-				27.4 (318)	-	- [u]	78.3 (314)		10 [u] (518)
	Staphylococcus aureus (all isolates)	3,526	10.4 (1081)	50 (2)																	96.5 [f] (3514)							96.9 (482)	-	96.5 (257)	94 [u] (84)	-	99.5 (855)	95.5 (2714)		-		0 (432)	100 [e] (42)		93.9 (2999)	-	93.7 (2923)	-	- [u]	-	98.7 (3476)	68.5 (1136)
	(MRSA)	137	0 (26)	-																	0 [f] (137)							-	-	-	- [u]	-	91.7 (60)	16.2 (117)		-		-	- [e]		12.8 (109)	-	9.8 (122)	-	- [u]	-	82.5 (137)	29.7 (37)
	(MSSA)	3,396	10.6 (1058)	0 (1)																	100 [f] (3396)							98.5 (472)	-	98.8 (244)	95.2 [u] (83)	-	100 (797)	98.7 (2603)		-		100 (32)	- [e]		96.7 (2896)	-	97 (2807)	-	- [u]	-	99.4 (3347)	69.7 (1102)
	(ICU)	170	14.5 (62)	-																	97 [f] (168)							-	-	-	- [u]	-	-	96.2 (106)		-		-	- [e]		95.5 (133)	-	95.7 (162)	-	- [u]	-	99.4 (166)	76.7 (30)
	(inpatient)	1,334	8.1 (457)	100 (1)																	96.5 [f] (1331)							-	-	97.2 (212)	90.2 [u] (51)	-	-	94.6 (847)		-		-	- [e]		94.6 (934)	-	94 (1259)	-	- [u]	-	98.2 (1328)	65.9 (369)
	(outpatient)	315	15.2 (132)	-																	97.5 [f] (315)							-	-	-	- [u]	-	100 (66)	96.4 (251)		-		-	- [e]		92.6 (270)	-	93 (302)	-	- [u]	-	98.4 (314)	82.9 (35)
	Staphylococcus, coagulase negative	2,901	11 (1235)	-																	56.3 [f] (2873)							68.8 (189)	-	61.6 (224)	65.9 [u] (82)	-	95.4 (587)	74.4 (2002)		-		-	- [e]		63 (2673)	-	48.7 (2559)	-	- [u]	-	74.5 (2869)	63.9 (493)
	Staphylococcus, coagulase negative (blood)	2,084	11.1 (998)	-																	61.4 [f] (2070)							71.6 (148)	-	75.4 (57)		-	94.4 (375)	78.5 (1365)		-		-	- [e]		65.1 (2005)	-	52.4 (1914)	-		-	74.5 (2071)	64.2 (377)
	Streptococcus agalactiae	142	100 (126)	-	100 (120)									-	-			-	-	-										-			-		100 (140)				63 (46)	-	76.5 (98)	-		80.7 (109)		20.9 (139)
	Streptococcus, β-hemolytic not Group A,B	251	99.6 (243)	-	100 (132)									100 (51)	-			100 (60)	0 (36)	-										-			-		100 (175)				93.3 (164)	-	90.3 (238)	-		91.2 (147)		38.1 (134)
	Streptococcus pyogenes	420	99.8 (408)	-	100 (253)									100 (85)	-			100 (224)	-	-										100 (42)			-		100 (385)				91.8 (245)	-	94.5 (402)	-		89.2 (241)		24.3 (272)
	Streptococcus pneumoniae (all isolates)	506	74 [d] (396)	41.5 (41)		- [e]					- [e]	- [e]																			-			-		100 (373)				82.8 (332)	-	78.3 (406)	-		95.2 (273)	52.1 (332)	44.4 (320)
	(age 0-5 years old)	89	63.8 [d] (58)	-		- [e]					- [e]	- [e]																			-			-		100 (66)				81.5 (54)	-	68.8 (77)	-		92 (50)	43.6 (55)	35.7 (56)
	(age > 5 years old)	422	75.7 [d] (342)	40.5 (37)		- [e]					- [e]	- [e]																			-			-		100 (311)				83.2 (280)	-	80.8 (333)	-		96.4 (223)	54.4 (281)	46.6 (268)
	(Sterile sites) [b]	163	77.2 [d] (127)	-		- [e]					- [e]	- [e]																			-			-		100 (115)				77.8 (99)	-	75.2 (129)	-		95.2 (83)	55.7 (88)	46.1 (102)
	(Non-sterile sites) [c]	368	73.6 [d] (288)	33.3 (30)		- [e]					- [e]	- [e]																			-			-		100 (272)				85.2 (250)	-	78.7 (296)	-		94.9 (198)	50.4 (264)	43.4 (228)
	(Meningitis: by E-test)	41		41.5 [e] (41)											- [e]				- [e]	- [e]																											
	(Nonmeningitis: by E-test)	41		100 [e] (41)		- [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