Percentage of susceptible Organisms Isolated From All Specimen, 7 hospitals,RMSc 8, jan -Jun 2018

Gram negative

Organism	TOTAL ISOLATES	BETA - LACTAMS																			
		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
Acinetobacter calcoaceticus-baumannii complex	1,982			R	R	40.7 (177)	24.4 (1,906)						5.5 (800)	-	28.7 (1,272)	-	5.8 (1,066)	-	30.5 (292)		
(ICU)	43			R	R	-	4.7 (43)						-	-	-	-	3.1 32	-	-		
(inpatient)	705			R	R	-	14 (691)						6.8 (206)	-	25.1 (207)	-	3.7 (519)	-	22.4 (156)		
(outpatient)	-			R	R	-	-						-	-	-	-	-	-	-		
Acinetobacter spp.	173					-	62.6 (163)						26.7 (116)	-	48.4 (161)	-	32.4 (108)	-	39.4 (71)		
Aeromonas hydrophila	60						95.2 (42)			-			-	-	-	-	-	-	-		-
Burkholderia cepacia complex	33			R	R	R	R						R	R	87.9 (33)	-	R	R	R		
Burkholderia mallei	-															-					
Burkholderia pseudomallei	312				96.4 [e] (193)											-					
Citrobacter freundii	58			R	R	R	96.9 (32)	R	R	R	R	-	73.9 (46)	-	85.2 (54)	-	74.2 (31)	-	-		R
Enterobacter cloacae	300			R	R	R	90.6 (181)	R	R	R	R	87.4 (183)	64.5 (172)	-	76.4 (242)	-	74.4 (121)	-	-		R
Enterobacter spp.	348			2.9 (341)	8.6 (336)	-	68.5 (254)	3.9 (129)	- [u]	28.1 (139)	11.4 (70)	87.7 (73)	44.2 (231)	-	61 (344)	-	53.8 (299)	-	51 (157)		9.8 (244)
Escherichia coli (all isolates)	3,447			13.9 (3,226)	67.2 (2,830)	-	91.5 (2,198)	30.6 (1,110)		49.5 (556)	29.9 (371)	88.3 (1,354)	54.2 (1,999)	-	68.5 (2,866)	-	57.3 (1,932)	-	60.2 (684)		82.7 (976)
(Urine)	1,608			12.5 (1,553)	65.2 (1,433)	-	89.5 (1,013)		- [u] -	42.5 (273)	28.4 (222)	86.4 (683)	50.3 (912)	-	65.1 (1,454)	-	55 (1,015)	-	54.6 (339)		80.9 (517)
(Urine-inpatient)	216			12.4 (209)	65.4 (136)	-	86.7 (196)		- [u] -	50 (110)	- -	-	46.9 (143)	-	58.7 (143)	-	52.4 (124)	-	57.8 (116)		80.4 (112)
(Urine-outpatient)	-			-	-	-	-		- [u]	-	-	-	-	-	-	-	-	-	-		-
Haemophilus influenzae (all isolates)	201			54.1 (196)	92.7 (191)	-	-			-	-		97.4 (116)	-	94 (84)	-	98.3 (119)	-	-		
(age 0-5 years old)	35			42.9 (35)	87.9 (33)	-	-			-	-		-	-	-	-	-	-	-		
(age > 5 years old)	166			56.5 (161)	93.7 (158)	-	-			-	-		98 (98)	-	94.5 (73)	-	98 (100)	-	-		
(CSF)	-			-	-	-	-			-	-		-	-	-	-	-	-	-		
(Sterile sites) [b]	-			-	-	-	-			-	-		-	-	-	-	-	-	-		
(Non-sterile sites) [c]	187			53.8 (182)	92.8 (180)	-	-			-	-		97.2 (107)	-	93.7 (79)	-	98.2 (112)	-	-		
Klebsiella aerogenes	-			R	R	R	-	R	R	R	R	-	-	-	-	-	-	-	-		R
Klebsiella oxytoca	99			2.1 (97)	61.7 (94)	-	85.9 (78)	19.4 (31)	- [u]	50 (40)	-	-	58 (69)	-	75.8 (95)	-	64.6 (82)	-	76.7 (43)		55 (60)
Klebsiella pneumoniae (all isolates)	2,173			R	58.6 (1,885)	-	70.8 (1,429)	55.6 (980)	38.7 [u] (212)	55.1 (345)	32.8 (250)	64.2 (855)	52.7 (1,410)	-	58 (1,906)	-	57.2 (1,279)	-	59.7 (447)		75 (647)
(ICU)	-			R	-	-	-	-	- [u]	-	-	-	-	-	-	-	-	-	-		-
(inpatient)	465			R	48.6 (319)	-	69.8 (374)	48.8 (123)	- [u]	50.3 (197)	-	52 (102)	43.2 (322)	-	45.8 (323)	-	46.2 (247)	-	57.4 (209)		65 (214)
(outpatient)	-			R	-	-	-	-	- [u]	-	-	-	-	-	-	-	-	-	-		-
Morganella morganii	64			R	R	-	100 (37)	R	R	R	R	-	-	-	95.9 (49)	-	87.8 (41)	-	-		50 (38)
Neiseria meningitidis	-		-	- [e]									-	-			-	-			
Proteus mirabilis	335			52.5 (318)	76.7 (292)	-	98.6 (211)	37.4 (139)	65.7 [u] (70)	65.6 (32)	73.2 (41)	97.6 (124)	77.2 (189)	-	92.9 (282)	-	85 (187)	-	86.3 (51)		86.7 (90)
Proteus vulgaris	98			R	46.7 (92)	-	88.9 (63)	R	R	R	R	81.8 (33)	60 (70)	-	91.3 (92)	-	87.5 (72)	-	93.5 (31)		55.3 (47)
Providencia rettgeri	-			R	R	-	-	R	R	-	-	-	-	-	-	-	-	-	-		-
Providencia stuartii	-			R	R	-	-	R	R	-	-	-	-	-	-	-	-	-	-		-
Providencia spp.	-			-	-	-	-	-	- [u]	-	-	-	-	-	-	-	-	-	-		-
Pseudomonas aeruginosa	1,196			R	R	R	78.4 (1,158)						R	R	81.7 (940)	-	R	R	81.7 (131)		
Salmonella , Typhoidal	-			-								-	-	-	-	-	-	-			
Salmonella , Non-typhoidal	131			53.7 (121)								-	-	-	-	-	-	-			
Serratia marcescens	31			R	R	R	-	R	R	R	R	-	-	-	-	-	-	-	-		R
Shigella spp.	-			-																	

Organism	CARBAPENEMS			POLY MYXINS	QUINOLONES					
	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN BY MIC	NALIDIXIC ACID	CIPROFLOXACIN	CIPROFLOXACIN BY MIC	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN
Acinetobacter calcoaceticus-baumannii complex	R	37.2 (438)	25.9 (1,867)	- [e]		33.6 (1,269)		22.9 (1,137)		
(ICU)	R	-	4.8 (42)	- [e]		-		3.2 (31)		
(inpatient)	R	22.5 (151)	12.8 (662)	- [e]		26.8 (205)		15.2 (520)		
(outpatient)	R	-	-	- [e]		-		-		
Acinetobacter spp.		49.6 (113)	54.3 (162)	- [e]		56.5 (161)		64.3 (98)		
Aeromonas hydrophila	-	-	92.5 (40)			-		-		
Burkholderia cepacia complex	R	R	93.8 (32)	R				- [e]		
Burkholderia mallei		- [e]								
Burkholderia pseudomallei		94.6 [e] (111)								
Citrobacter freundii	-	-	100 (50)		- [u]	-		-	- [u]	-
Enterobacter cloacae	-	77.5 (111)	96.7 (242)	- [WT]	- [u]	93.4 (241)		96.6 (58)	- [u]	-
Enterobacter spp.	-	88.2 (204)	92.2 (306)		- [u]	71.6 (341)		62.2 (180)	- [u]	-
Escherichia coli (all isolates)	-	96.2 (1,415)	97.9 (2,715)	- [WT]		54.6 (2,835)		53.2 (681)		-
(Urine)	-	96 (700)	97.7 (1,374)	- [WT]	- [u]	44.8 (1,441)		39.2 (278)	45.1 [u] (1,074)	-
(Urine-inpatient)	-	94.9 (118)	97.1 (137)	- [WT]	- [u]	45.1 (133)		47.3 (112)	36.4 [u] (99)	-
(Urine-outpatient)	-	-	-	- [WT]	- [u]	-		-	- [u]	-
Haemophilus influenzae (all isolates)	-	96.2 (79)	100 (140)			99.5 (194)		100 (92)		-
(age 0-5 years old)	-	-	-			100 (34)		-		-
(age > 5 years old)	-	97.1 (69)	100 (118)			99.4 (160)		100 (79)		-
(CSF)	-	-	-			-		-		-
(Sterile sites) [b]	-	-	-			-		-		-
(Non-sterile sites) [c]	-	96.1 (76)	100 (129)			100 (182)		100 (87)		-
Klebsiella aerogenes	-	-	-	- [WT]	- [u]	- -		-	- [u]	-
Klebsiella oxytoca	-	98.5 (65)	97.8 (89)		- [u]	74.5 (94)		74.5 (51)	- [u]	-
Klebsiella pneumoniae (all isolates)	-	80.8 (917)	84.5 (1,776)	- [WT] -	- [u]	61.1 (1,898)		68.9 (758)	50.2 [u] (265)	-
(ICU)	-	-	-	- [WT]	- [u]	-		-	- [u]	-
(inpatient)	-	81.7 (252)	80.5 (323)	- [WT]	- [u]	56.4 (319)		67.7 (310)	45.2 [u] (31)	-
(outpatient)	-	-	-	- [WT]	- [u]	-		-	- [u]	-
Morganella morganii	-	-	100 (41)	R	- [u]	87.2 (47)		-	- [u]	-
Neiseria meningitidis			-			-		- [e]		
Proteus mirabilis	-	81.9 (166)	99.6 (264)	R	- [u]	78.9 (270)		82.3 (62)	75 [u] (76)	-
Proteus vulgaris	-	60 (60)	97.6 (84)	R	- [u]	83.5 (91)		84.2 (38)	- [u]	-
Providencia rettgeri	-	-	-	R	- [u]	-		-	- [u]	-
Providencia stuartii	-	-	-	R	- [u]	-		-	- [u]	-
Providencia spp.	-	-	-		- [u]	-		-	- [u]	-
Pseudomonas aeruginosa	R	75.8 (293)	80.5 (929)	- [e]		84.5 (944)		81.7 (476)	64 [u] (111)	-
Salmonella , Typhoidal					- [u]	-	-	- [e]		- [e]
Salmonella , Non-typhoidal					- [u]	62.7 (118)	-	- [e]		- [e]
Serratia marcescens	-	-	-	R	- [u]	-		-	- [u]	-
Shigella spp.					-	-		-	- [u]	-

Organism	AMINOGLYCOSIDES				GLYCOPEPTIDES			MISCELLANEOUS								
	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
Acinetobacter calcoaceticus-baumannii complex	40.1 (1,904)	37.6 (1,266)		27.6 [e] (232)				R						R	46.3 (711)	- [u]
(ICU)	7.1 (42)	-		- [e]				R						R	-	- [u]
(inpatient)	22.7 (673)	27.9 (204)		23.2 [e] (142)				R						R	41.4 (145)	- [u]
(outpatient)	-	-		- [e]				R						R	-	- [u]
Acinetobacter spp.	57.3 (164)	49.4 (160)		27.2 [e] (92)											62.3 (130)	- [u]
Aeromonas hydrophila	-	-												-	-	-
Burkholderia cepacia complex	R	R	R	R				R						- [e]	-	
Burkholderia mallei																- [e]
Burkholderia pseudomallei															78.2 [e] (193)	100 [e] (80)
Citrobacter freundii	98.1 (54)	88.9 (54)		-									- [u]	-	79.5 (39)	-
Enterobacter cloacae	97.2 (247)	89.7 (242)		-									- [u]	-	79.7 (138)	-
Enterobacter spp.	91.9 (344)	72.8 (342)		78.6 (145)									- [u]	-	69 (300)	-
Escherichia coli (all isolates)	97.7 (2,951)	70.2 (2,840)		85.8 (663)										-	40.6 (2259)	-
(Urine)	97.5 (1,446)	66.9 (1,443)		82.6 (311)				96.4 [u] (166)					- [u]	-	36.3 (1388)	-
(Urine-inpatient)	97.8 (136)	61.2 (134)		83.5 (115)				- [u]					- [u]	-	35.8 (134)	-
(Urine-outpatient)	-	-		-				- [u]					- [u]	-	-	-
Haemophilus influenzae (all isolates)														-	37.1 (175)	-
(age 0-5 years old)														-	-	-
(age > 5 years old)														-	40.4 (146)	-
(CSF)														-	-	-
(Sterile sites) [b]														-	-	-
(Non-sterile sites) [c]														-	38.3 (162)	-
Klebsiella aerogenes	-	-		-									- [u]	-	-	-
Klebsiella oxytoca	97.9 (94)	81.9 (94)		88.6 (44)									- [u]	-	69.9 (83)	-
Klebsiella pneumoniae (all isolates)	91.8 (1,931)	85.3 (1,898)		85 (454)									- [u]	-	60.4 (1375)	-
(ICU)	-	-		-									- [u]	-	-	-
(inpatient)	91.2 (317)	78.9 (317)		83 (230)									- [u]	-	60.3 (247)	-
(outpatient)	-	-		-									- [u]	-	-	-
Morganella morganii	98.1 (53)	91.7 (48)		-									R	-	76.1 (46)	
Neiseria meningitidis														-	-	
Proteus mirabilis	98.6 (278)	79 (271)		86.4 (44)									R	-	60.3 (209)	R
Proteus vulgaris	98.9 (92)	87.6 (89)		-									R	-	67.5 (80)	R
Providencia rettgeri	-	-		-									R	-	-	R
Providencia stuartii	-												R	-	-	R
Providencia spp.	-	-		-									- [u]	-	-	-
Pseudomonas aeruginosa	87.6 (946)	85.1 (941)		77.2 (162)										R	R	R
Salmonella , Typhoidal														-	-	
Salmonella , Non-typhoidal														92.5 (53)	86 (86)	
Serratia marcescens	-	-		-									R	-	-	-
Shigella spp.															-	

Percentage of susceptible Organisms Isolated From All Specimen, 7 hospitals,RMSc 8, 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	*Stenotrophomonas maltophilia*	179			R	R	R	R									-	R	R				R	R	R					99.2 (131)			R	R	R	R				R					- [e]	97.9 (140)	
	Vibrio cholerae (all serotypes)	-			-																																							-	-	-
	Vibrio cholerae O1	-			-																																							-	-	-
	Vibrio cholerae non O1, non O139	-			-																																							-	-	-
	Vibrio parahaemolyticus	-			-	-	-	-	- [e]	- [e]	-			-	-	-	-				-		-	-			-	-	-		-	-											-	-
	Vibrio spp.	-			-	-	-	-	- [e]	- [e]	-			-	-	-	-				-		-	-			-	-	-		-	-											-	-
Gram positive	*Enterococcus faecalis*	883	55.3 (675)	-	89.4 (849)				R	R	R	R	R	R	R	R	R	R	R	R							16.4 [u] (122)	- [u]	25.5 [u] (110)	26.5 [u] (528)		R	R	52.3 [h] (856)	R	98.4 (856)	-	96.1 (51)	79.1 [u] (91)	R	R	3 (67)	-	- [u]	38.5 (65)	R	4.1 [u] (122)
	Enterococcus faecium	394	10.7 (299)	-	11.3 (379)				R	R	R	R	R	R	R	R	R	R	R	R							5.2 [u] (58)	- [u]	9.8 [u] (51)	9.3 [u] (225)		R	R	62.9 [h] (377)	R	94.6 (367)	-	100 (37)		R	R	0 (43)	-	- [u]	70.7 (41)	R	9.4 [u] (53)
	Enterococcus spp.	90	56.8 (44)	-	72.1 (86)																						- [u]	- [u]	- [u]	26.3 [u] (38)				77.8 [h] (72)		96.5 (86)	-	-				-	-	- [u]	-		- [u]
	Staphylococcus aureus (all isolates)	1,881	9.2 (292)	-																	94.7 [f] (965)						89.6 (337)	-	93.8 (258)	93.8 [u] (65)	-		97.7 (920)				-	- [e]		87.8 (979)	-	86.6 (986)	-	- [u]	83.9 (155)	95.1 (1,005)	39.9 (163)
	(MRSA)	50	0 (31)	-																	0 [f] (50)						43.8 (32)	-	-	- [u]	-		63.6 (44)				-	- [e]		6.8 (44)	-	6.7 (45)	-	- [u]	-	68.1 47	-
	(MSSA)	937	7.4 (244)	-																	99.6 [f] (937)						94.6 (299)	-	98.3 (234)	97 [u] (33)	-		99.4 (882)				-	- [e]		91.9 (888)	-	90.5 (894)	-	- [u]	88.6 (132)	96.6 (922)	40.7 (140)
	(ICU)	-	-	-																	- [f]						-	-	-	- [u]	-		- -				-	- [e]		-	-	-	-	- [u]	-	-	-
	(inpatient)	548	9 (78)	-																	91 [f] (122)						85.3 (75)	-	89.8 (98)	- [u]	-		95.7 (117)				-	- [e]		81.9 (116)	-	83.9 (118)	-	- [u]	86.1 (72	87.5 (120)	43.6 (78)
	(outpatient)	-	-	-																	- [f]						-	-	-	- [u]	-		-				-	- [e]		-	-	-	-	- [u]	-	-	-
	Staphylococcus, coagulase negative	1,304	10.6 (575)	-																	44.6 [f] (628)						66.7 (454)	-	68.7 (313)	53.7 [u] (134)	-		69.1 (763)				-	- [e]		49.8 (925)	-	40.5 (930)	-	- [u]	83.1 (267)	66.9 (1,022)	44.1 (286)
	Staphylococcus, coagulase negative (blood)	716	13.8 (289)	-																	47.1 [f] (308)						65 (263)	-	66.5 (167)		-		70.8 (401)				-	- [e]		49.2 (533)	-	39 (533)	-		81.8 (148)	66.1 (514)	53.1 (160)
	Streptococcus agalactiae	-	-	-	-									-	-			-	-	-									-	-												-	-	-	-	-	-
	Streptococcus, β-hemolytic not Group A,B	91	93.5 (46)	-	-									95.3 (43)	-			100 (38)	-	-									97.4 (38)		-					97.5 (40)				89.9 (69)	-	87.7 (57)	-		-		-
	Streptococcus pyogenes	350	99.6 (279)	-	96.7 (30)									100 (251)	-			99.3 (153)	-	-									100 (232)		-					100 (258)				96.5 (311)	-	95.5 (242)	-		93.5 (155)		6.6 (152)
	Streptococcus pneumoniae (all isolates)	309	64 [d] (150)	-		- [e]					- [e]	- [e]																	97.9 (145)		-					100 (241)				75.1 (261)	-	72.5 (240)	-		82.1 (95)	51.1 (174)	23.4 (94)
	(age 0-5 years old)	32	- [d]	-		- [e]					- [e]	- [e]																	-		-					-				-	-	-	-	-	-	-	-
	(age > 5 years old)	277	65.9 [d] (138)	-		- [e]					- [e]	- [e]																	100 (135)		-					100 (218)				75.6 (234)	-	72.7 (216)	-		85.6 (90)	52.6 (152)	23.6 (89)
	(Sterile sites) [b]	103	- [d]	-		- [e]					- [e]	- [e]																	100 (38)		-					100 (52)				78.1 (64)	-	75 (44)	-		-	62.5 (48)	-
	(Non-sterile sites) [c]	229	63.7 [d] (146)	-		- [e]					- [e]	- [e]																	97.6 (123)		-					100 (211)				73.5 (219)	-	71.7 (219)	-		81.8 (88)	45.7 (138)	24.1 (87)
	(Meningitis: by E-test)	-		-											-					- [e]																											
	(Nonmeningitis: by E-test)	-		-		- [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

%S				
<50	50-69	70-79	80-89	≥90