

Percentage of susceptible bacteria, 8 hospitals , Jan - Dec 2016, RMSCs 5th.

Organism	TOTAL ISOLATES	BETA - LACTAMS																	CARBAPENEM			
		PENICILLIN	PENICILLIN V	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN/SULBACTAM	PIPERACILLIN/TAZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	CEPHALOTHIN	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	^a CEFOPERAZONE/SULBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILIN	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM
<i>Acinetobacter calcoaceticus-baumannii</i> complex	3,891					30.9 (2202)	19.8 (3071)							1.2 (2013)	23.4 (3445)	1.9 (2541)	21.8 (1197)				21.9 (2817)	21.4 (3185)
<i>Acinetobacter</i> spp.	184					53 (100)	71.8 (174)							20.5 (171)	69.1 (175)	19.9 (161)	89.5 (38)				83.2 (95)	65.2 (178)
<i>Citrobacter freundii</i>	124			7.5 (106)	20.8 (53)	47.4 (97)	86.4 (44)	9.5 (63)	25.8 (63)		56.8 (74)		65.8 (114)	74.8 (123)	71.7 (53)	82.4 (85)		25.9 (85)		92.6 (94)	98.8 (86)	
<i>Enterobacter aerogenes</i>	169			0.9 (110)	6 (116)	18.3 (93)	90.8 (87)	0 (35)	14.9 (35)		48.1 (79)		63.5 (148)	56.8 (44)	56.5 (23)	81.9 (83)		11.7 (94)		93.9 (114)	96 (124)	
<i>Enterobacter cloacae</i>	722			2.1 (482)	9.2 (380)	25.4 (464)	89.6 (299)	0.8 (241)	2.9 (241)		59.7 (395)		66 (144)	75.4 (146)	74.7 (140)	77.9 (109)		6.4 (472)		93.3 (556)	97.6 (495)	
<i>Enterobacter</i> spp.	148			1.4 (139)	4.3 (140)	25.2 (127)	85.8 (134)						70.1 (144)	76.7 (146)	74.3 (140)	79.8 (109)				92.7 (109)	89.7 (136)	
<i>Escherichia coli</i> (all isolates)	7,188			11.4 (4626)	64.6 (4263)	53.1 (4371)	95.5 (3606)	15.7 (1768)			48.5 (3341)		49.4 (6017)	61.4 (6988)	50.3 (4099)	56.6 (3743)		85.6 (4910)		98.8 (5062)	99.2 (5028)	
(Urine)	4,394			10.3 (2771)	61.4 (2500)	49.2 (2717)	94.7 (2152)	14.8 (1069)	47.8 (1069)		45.5 (2012)		46.4 (3598)	58.5 (4258)	47.2 (2451)	53.3 (2177)		84 (3022)		98.8 (2981)	98.9 (3008)	
(Urine-inpatient)	694			8.5 (295)	59.1 (558)	46.4 (28)	95 (481)				43.1 (497)		41.4 (655)	53.5 (651)	44 (600)	47.2 (144)		81.8 (466)		98.1 (636)	98.8 (652)	
(Urine-outpatient)	157			5.1 (79)	66.9 (145)	47.4 (38)	95.7 (116)				51.5 (101)		51.3 (156)	68.2 (151)	55.1 (147)	56.1 (82)		89.2 (74)		98.7 (152)	99.3 (144)	
<i>Haemophilus influenzae</i> (all isolates)	194			44.1 (188)	76.5 (132)	90.5 (74)					90.1 (81)		97.3 (147)		97.8 (92)					97.2 (71)	100 (82)	
(age 0-5 years old)	31			35.5 (31)																		
(age > 5 years old)	165			45.9 (159)	78.4 (111)	90.6 (64)					90.3 (72)		96.7 (122)		97.3 (74)					96.6 (59)	100 (68)	
(Sterile sites) ^c	12																					
(CSF)	2																					
(Non-sterile sites) ^d	181			42.9 (175)	77.4 (124)	90.9 (66)					90.7 (75)		97.8 (136)		98.8 (84)	83.3 (18)				97.1 (68)	100 (74)	
<i>Klebsiella oxytoca</i>	115			1.1 (92)	70.4 (54)	73.8 (80)	92.1 (38)	15.6 (45)	77.8 (45)		76.7 (60)		74.5 (98)	77.5 (111)	69.2 (52)	80.6 (67)		92.3 (78)		94 (84)	93.7 (79)	
<i>Klebsiella pneumoniae</i> (all isolates)	4,823			0.6 (3136)	66.9 (2946)	62.3 (2830)	81.9 (2388)	34.9 (1127)	63.9 (1127)		62 (2175)		64 (4011)	69 (4672)	65.4 (2794)	70.3 (2630)		83.7 (3300)		91.7 (3466)	91.3 (3372)	
(ICU)	47			0 (46)	51.4 (35)						51.4 (37)		45.9 (37)	51.4 (37)	47.4 (38)					75.7 (37)	88.9 (36)	
(inpatient)	811			3 (299)	65.7 (715)	50 (26)	78 (546)				61.3 (618)		59.2 (737)	65.3 (743)	63.8 (665)	65.1 (186)		80.9 (519)		89 (726)	89.6 (741)	
(outpatient)	81			1.9 (53)	73.7 (76)	75 (28)	87.1 (62)				62.5 (32)		74 (77)	74.7 (75)	74 (73)	79.2 (48)		84.6 (39)		96.1 (76)	95.8 (71)	
<i>Morganella morganii</i>	238			3.1 (130)	9 (78)	38.8 (178)	98.6 (72)	1.2 (86)	4.7 (86)		15.2 (125)		73.5 (166)	83.8 (228)	86.8 (68)	85.1 (134)		50 (182)		84.8 (151)	100 (125)	
<i>Proteus mirabilis</i>	1,074			42.7 (813)	72.2 (629)	73.9 (675)	92.1 (522)	5.2 (324)	71.8 (324)		79 (490)		77.1 (953)	86.6 (1033)	83.4 (597)	75.7 (651)		91.9 (644)		92.9 (813)	98.2 (768)	
<i>Proteus vulgaris</i>	188			7 (172)	36 (139)	47.3 (112)	97.4 (114)	4.4 (45)	20 (45)		35.9 (64)		80.9 (183)	87.4 (183)	81.1 (132)	86.7 (105)		84.5 (97)		87.8 (131)	98 (147)	
<i>Providencia rettgeri</i>	78			27.7 (47)	23.9 (46)	35.6 (45)	97.1 (34)	13.6 (22)	72.9 (22)		82.6 (46)		85.5 (69)	92.1 (76)	87.8 (41)	91.8 (49)		93.2 (44)		98.2 (55)	100 (55)	

Organism		TOTAL ISOLATES	BETA - LACTAMS															CARBAPENEM						
			PENICILLIN	PENICILLIN V	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN/SULBACTAM	PIPERACILLIN/TAZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	CEPHALOTHIN	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE/SULBACTAM ^a	CEFOTAXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILIN	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	
Gram negative	<i>Providencia stuartii</i>	113			7 (86)	0 (58)	14.4 (104)	100 (56)	5.4 (37)	48.8 ^{brine} (37)		88.1 (42)			58.1 (93)	67.9 (112)	47.4 (57)	90.5 (42)		94.7 (57)		97.7 (44)	100 (76)	
	<i>Providencia spp.</i>	43			9.5 (42)	2.6 (39)	5.7 (35)	100 (41)							50 (42)	60 (40)	53.7 (41)						100 (41)	
	<i>Pseudomonas aeruginosa</i>	4,115						83.3 (66)								1.1 (532)		85.6 (2245)				80.9 (2901)	78.8 (3370)	
	<i>Salmonella</i> , Non-typhoidal	149			44 (116)										71.4 (42)	54.2 (24)	81.4 (43)							
	<i>Serratia marcescens</i>	205			1.1 (91)	5 (60)	4.8 (165)	95.7 (46)	0 (52)	0 (52)		3.9 (76)			85.3 (109)	93 (200)	90.9 ^{brine} (54)	91.8 (73)		20.8 (168)		92.7 (96)	95.8 (96)	
	<i>Shigella sonnei</i>	-																						
	<i>Vibrio cholerae</i>	66			68.2 (66)																			
	<i>Vibrio parahaemolyticus</i>	-							MIC	MIC														
Gram positive	<i>Enterococcus faecalis</i>	1,277	72.6 (394)		94 (1151)																			
	<i>Enterococcus faecium</i>	799	10.5 (258)		5.9 (678)																			
	<i>Enterococcus spp.</i>	232	49.4 (178)		70.3 (212)																			
	<i>Staphylococcus aureus</i> (all isolates)	2,913	2.6 (1162)																81.6 ^{FOX} (2461)					
	(MRSA)	487	0 (215)																0 ^{FOX} (487)					
	(MSSA)	2,022	3.3 (971)																100 ^{FOX} (2022)					
	(ICU)	9																	100 ^{FOX} (9)					
	(inpatient)	400	3.5 (57)																87.1 ^{FOX} (373)					
	(outpatient)	77	0 (5)																89.9 ^{FOX} (76)					
	<i>Staphylococcus</i> , coagulase negative	3,017	4.7 (948)																42.2 ^{FOX} (2574)					
	<i>Staphylococcus</i> , coagulase negative (blood)	2,362	5 (826)																42.7 ^{FOX} (2115)					
	<i>Staphylococcus saprophyticus</i>	-																						
	<i>Streptococcus pneumoniae</i> (all isolates)	358	68.1 ^{OXa} (91)			MIC							MIC	MIC								MIC	MIC	MIC
	(age 0-5 years old)	30				MIC							MIC	MIC								MIC	MIC	MIC
	(age > 5 years old)	329	67.9 ^{OXa} (84)			MIC							MIC	MIC								MIC	MIC	MIC
(Sterile sites) ^c	64																							
(Non-sterile sites) ^d	306	64 ^{OXa} (75)																						
(Meningitis: by E-test)	29		MIC	MIC										MIC		MIC	MIC							
(Nonmeningitis: by E-test)	95	94.7 ^{MIC} (95)			MIC									94.7 ^{MIC} (38)		MIC	MIC							

Percentage of susce

Organism	POLYMYXINS		QUINOLONONES					AMINOGLYCOSIDES				GLYCOPEPTIDES			MISCELLANEOUS							
	COLISTIN		NALIDIXIC ACID	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN	VANCOMYCIN BY E-TEST	TEICoplanin	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE	
<i>Acinetobacter calcoaceticus-baumannii</i> complex	100 (391)	MIC		19.1 (2813)	18.1 (2060)			38.8 (3821)	29.4 (3415)		0 (118)									32.3 (3713)	ne	
<i>Acinetobacter</i> spp.	0 (96)			85.7 (84)	76 (167)			77.7 (184)	77.2 (114)											74.7 (178)		
<i>Citrobacter freundii</i>		Urine		77.3 (110)	81.5 (54)	68 (51)		99.1 (114)	83.8 (105)								Urine			70 (80)		
<i>Enterobacter aerogenes</i>				86.4 (132)	91.6 (119)	73 (42)		97.3 (149)	83.9 (124)									Urine		76.7 (129)		
<i>Enterobacter cloacae</i>			72.4 (98)	80 (579)	91.8 (425)	72 (138)		98 (610)	84.1 (584)									Urine	73.7 (38)	75.1 (445)		
<i>Enterobacter</i> spp.				80.7 (135)	84.7 (137)	59 (27)		90.1 (142)	82 (111)									Urine	68.3 (41)	74.6 (142)		
<i>Escherichia coli</i> (all isolates)				41.3 (5532)	42.9 (4743)			98.6 (5986)	60.3 (5390)										66.3 (246)	37.3 (5287)		
(Urine)		Urine		33.2 (3305)	35 (2902)	35 (4100)		98.3 (3567)	59.2 (3205)									Urine		35.8 (3602)		
(Urine-inpatient)		Urine		18 (27)	32 (603)	32.5 (397)	33 (660)	96.5 (656)	58.5 (643)					Urine				Urine		35.2 (651)		
(Urine-outpatient)		Urine		27.2 (147)	25.8 (124)	26 (152)		96.8 (154)	63.2 (155)					97 (33)				Urine		40.8 (152)		
<i>Haemophilus influenzae</i> (all isolates)				100 (173)	100 (93)														83 (135)	25.3 (190)	45.8 (72)	
(age 0-5 years old)																				16.1 (31)		
(age > 5 years old)				100 (149)	100 (73)														82.8 (116)	27.3 (161)	44.1 (59)	
(Sterile sites) ^c																						
(CSF)																						
(Non-sterile sites) ^d				100 (161)	100 (86)															82.7 (127)	24.3 (177)	44.3 (70)
<i>Klebsiella oxytoca</i>		Urine		29 (4)	70.7 (92)	67.9 (53)	52 (34)	96.9 (98)	78.5 (93)									Urine		56.9 (72)		
<i>Klebsiella pneumoniae</i> (all isolates)		Urine		38 (216)	66.9 (3769)	74.7 (3237)	49 (1125)	93.3 (3984)	79.9 (3649)									Urine	75.7 (272)	60.4 (3318)		
(ICU)		Urine		61.7 (47)		50 (2)		81.1 (37)	78.7 (47)									Urine		56.5 (46)		
(inpatient)		Urine		27 (11)	68.2 (702)	75.4 (509)	52 (150)	89.9 (735)	80.1 (767)									Urine		63.8 (776)		
(outpatient)		Urine		71.4 (70)	71.9 (64)	24 (25)		93.3 (75)	80 (75)									Urine		57.3 (75)		
<i>Morganella morganii</i>		Urine		48 (25)	69.5 (154)	79.7 (143)	73 (104)	99.4 (163)	68.3 (161)									Urine		48.8 (129)		
<i>Proteus mirabilis</i>		Urine		35 (59)	68.9 (895)	70.9 (621)	64 (450)	96.2 (940)	74.7 (870)									Urine	48.3 (60)	49.7 (792)		
<i>Proteus vulgaris</i>		Urine		78.7 (169)	79.6 (113)	72 (50)		98.9 (176)	87 (138)									Urine		64.1 (153)		
<i>Providencia rettgeri</i>		Urine		85.7 (63)	85.7 (49)	88 (26)		100 (67)	87.5 (64)									Urine		72.4 (58)		

