

Percentage of susceptible bacteria, 7 hospitals ,RMSc 8, Jan - Jun 2016

Organism	TOTAL ISOLATES	BETA - LACTAMS													CARBAPENEM			POLYMYCINS	QUINOLONES				AMINOGLYCOSIDES			GLYCOPEPTIDES			MISCELLANEOUS												
		PENICILLIN	PENICILLIN V	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN/SULBACTAM	PIPERACILLIN/AZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	CEPHALOTHIN	CEFURXIME SODIUM (parenteral)	CEFURXIME SODIUM (Oral)	CEFOPERAZONE/SULBACTAM	CEFTOXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXAQUIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN	NAIDIXIC ACID	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN	VANCOMYCIN BY ESTER	TEICOPLANIN	FOSFOMICIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFRANTON	CHLORAMPHENICOL	CO-TRIMOXAZOLE
<i>Acinetobacter calcoaceticus-baumanni</i> complex	1,877	-	-	-	-	21.1 (1,638)	-	-	-	-	-	-	1.9 (932)	25.9 (1,268)	0.8 (865)	44 (60)	-	-	24 (362)	214 (1,724)	-	MIC	-	28.8 (1,271)	16.4 (974)	-	-	44.3 (1,861)	37.3 (1,254)	-	MIC	-	-	-	-	-	-	-	-	36.5 (439)	-
<i>Acinetobacter</i> spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Citrobacter freundii</i>	44	-	-	-	34.2 (36)	-	-	-	-	-	-	-	86.7 (30)	85 (40)	-	-	-	-	-	-	-	-	-	87.5 (40)	-	-	96.7 (30)	-	-	-	-	-	-	-	-	-	-	-	-	69.7 (33)	33.3 (66.7)
<i>Enterobacter aerogenes</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Enterobacter cloacae</i>	283	-	3.6 (197)	7.2 (207)	53.2 (62)	81.9 (127)	5.6 (108)	-	-	-	-	-	67.5 (166)	76.1 (213)	73.2 (123)	-	-	-	-	-	-	-	90.1 (213)	95.9 (49)	66.7 (33)	-	98.2 (165)	90.1 (212)	-	-	-	-	-	-	-	-	-	-	80.1 (141)	-	
<i>Enterobacter</i> spp.	313	-	3.6 (279)	11.7 (299)	-	72.4 (76)	5.2 (134)	-	-	-	10.8 (65)	-	52.1 (261)	61.8 (306)	53.3 (180)	-	-	18.6 (156)	86 (107)	91.7 (217)	-	-	67.7 (310)	58.6 (99)	39.3 (56)	-	94.8 (306)	74.8 (305)	-	-	-	-	-	-	-	-	-	64.8 (281)	30.9 (55)		
<i>Escherichia coli</i> (all isolates)	3,342	-	13 (2,734)	62.6 (2,638)	62.6 (313)	86.8 (1,414)	34.1 (1,134)	-	-	-	33.4 (422)	-	58.1 (2,088)	65.2 (2,861)	56.5 (1,440)	66.2 (201)	-	29.9 (1,857)	93.8 (640)	97.8 (2,094)	-	-	51.9 (2,654)	49.3 (416)	-	96.8 (2,529)	69.5 (2,637)	95 (119)	-	-	-	-	-	-	-	-	39.9 (2,217)	23.2 (164)			
(Urine)	1,482	-	11.6 (1,293)	57.3 (1,332)	56.1 (630)	83 (824)	23.1 (624)	51 (624)	Urine	-	26.9 (242)	-	53.4 (870)	60.7 (1,340)	52.2 (703)	61.5 (96)	-	83.6 (286)	93.9 (263)	97.5 (1,070)	-	-	41.7 (1,340)	40.8 (179)	42.2 (1,206)	-	95.6 (1,265)	64.9 (1,334)	91.7 (46)	-	-	-	96.3 (59)	Urine	-	-	-	37 (1,336)	22.3 (121)		
(Urine-inpatient)	102	-	11.2 (96)	60.4 (101)	-	-	-	Urine	-	-	-	44.4 (99)	49.5 (101)	45.5 (77)	-	-	-	96.7 (30)	99 (102)	-	-	35.3 (102)	26.7 (30)	36.3 (102)	-	99 (102)	58.4 (101)	-	-	-	-	Urine	-	-	-	35.3 (102)	22.8 (79)				
(Urine-outpatient)	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine		
<i>Haemophilus influenzae</i> (all isolates)	147	-	49.6 (133)	97 (135)	-	-	-	-	-	-	-	-	96.7 (91)	89.3 (90)	90 (76)	-	-	-	92.3 (52)	100 (88)	-	-	99.3 (141)	100 (76)	-	-	-	-	-	-	-	-	-	-	-	-	-	33.8 (142)	-		
(age 0-5 years old)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(age > 5 years old)	119	-	54.2 (107)	97.3 (111)	-	-	-	-	-	-	-	-	97.1 (70)	89.1 (46)	88.9 (54)	-	-	-	90.9 (44)	100 (68)	-	-	99.1 (114)	100 (58)	-	-	-	-	-	-	-	-	-	-	-	-	-	37.4 (115)	-		
(Sterile sites) ^f	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(CSF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(Non-sterile sites) ^d	129	-	51.7 (116)	96.8 (129)	-	-	-	-	-	-	-	-	95.8 (72)	87 (46)	87.7 (57)	-	-	-	93.2 (44)	100 (70)	-	-	99.2 (125)	100 (69)	-	-	-	-	-	-	-	-	-	-	-	-	-	34.6 (127)	-		
<i>Klebsiella oxytoca</i>	99	-	1.2 (85)	80.5 (87)	-	83.3 (36)	24.4 (41)	Urine	-	-	-	-	78.3 (88)	79.5 (88)	68.3 (63)	-	-	-	-	-	-	97.2 (71)	Urine	82.8 (87)	87.5 (32)	Urine	96.2 (80)	89.7 (87)	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine
<i>Klebsiella pneumoniae</i> (all isolates)	1,861	-	0.4 (1,482)	62 (1,556)	69 (281)	63.5 (567)	59.6 (698)	40.6 (128)	Urine	-	49.8 (263)	-	60.4 (1,394)	63.4 (1,558)	62 (798)	65.1 (86)	-	85.4 (459)	79.2 (475)	89.6 (1,116)	-	-	Urine	64.5 (1,558)	64.8 (578)	55.5 (211)	94 (1,367)	82.9 (1,552)	Urine	77.9 (68)	-	-	-	-	-	-	-	61.2 (1,137)	58.3 (96)		
(ICU)	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine			
(inpatient)	230	-	0 (225)	53.7 (227)	-	-	-	Urine	-	-	-	-	50.7 (221)	53.1 (228)	48.7 (158)	-	-	86.2 (152)	90.3 (227)	-	-	Urine	57.6 (229)	63.3 (188)	Urine	92.5 (228)	83.4 (223)	-	-	-	-	-	-	-	-	-	54.1 (159)	57.4 (68)			
(outpatient)	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine			
<i>Morganella morganii</i>	50	-	2.4 (42)	9.3 (43)	-	-	-	Urine	-	-	-	-	95 (40)	97.7 (43)	-	-	-	-	-	-	-	-	Urine	86 (40)	-	Urine	100 (40)	95.3 (43)	-	-	-	-	-	-	-	-	-	80 (40)	-		
<i>Proteus mirabilis</i>	294	-	49.2 (238)	87.4 (246)	97 (33)	95.7 (82)	47.5 (101)	77 (61)	Urine	-	85.2 (54)	-	87.4 (207)	93.1 (248)	87.1 (116)	-	-	93 (71)	92.8 (69)	98 (153)	-	-	Urine	83.4 (247)	87.5 (40)	82 (89)	99.5 (219)	82.2 (247)	-	-	-	-	-	-	-	-	-	56.3 (215)	-		
<i>Proteus vulgaris</i>	65	-	13.7 (61)	68.3 (63)	-	-	-	Urine	-	-	-	-	86.3 (61)	88.9 (63)	83.8 (37)	-	-	-	100 (48)	-	-	Urine	85.7 (63)	-	Urine	100 (56)	85.7 (63)	-	-	-	-	-	-	-	-	-	62.7 (51)	-			
<i>Providencia rettgeri</i>	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine			
<i>Providencia stuartii</i>	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine			
<i>Providencia</i> spp.	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine	Urine			
<i>Pseudomonas aeruginosa</i>	1,185	-	-	-	-	79 (1,074)	-	-	-	-	-	-	80.7 (957)	84.4 (45)	-	-	-	-	73.8 (275)	75.2 (819)	100 (336)	-	83.1 (968)	74.8 (373)	52.2 (115)	Urine	85.8 (959)	83.9 (952)	55 (109)	-	-	-	-	-	-	-	-	-	Urine	-	
<i>Salmonella</i> , Non-typhoidal	41	-	43.8 (32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MIC	-	MIC	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Serratia marcescens</i>	45	-	3 (33)	0 (30)	-	-	-	Urine	-	-	-	-	100 (30)	-	-	-	-	-	-	-	-	Urine	96.7 (30)	-	Urine	-	100 (30)	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Shigella sonnei</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Vibrio cholerae</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Vibrio parahaemolyticus</i>	-	-	-	-	-	-	-	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

Gram negative

Organism	TOTAL ISOLATES	BETA - LACTAMS														CARBAPENEM		POLYMYCINS	QUINOLONES				AMINOGLYCOSIDES			GLYCOPEPTIDES			MISCELLANEOUS											
		PENICILLIN	PENICILLIN V	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLINSULBACTAM	PIPERACILIN/TAZOBACTAM	CEFAZOLIN(A)	CEFAZOLIN(U)	CEPHALOTHRIN	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONESULBACTAM ^a	CEFOTAXIME	CEFIZOXIME	CEFTRIAXONE	CEFEPIME	OXAACILIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN	NALIDIXIC ACID	CIPROFLOXACIN	LEVOFLOXACIN	ORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN	VANCOMYCIN BY E-TEST	TEICoplanin	POSIFOMYCIN	CLINDAMYCIN	ERTHRAMYCIN	NITROFURANTOIN	CHLORAMPHENICOL
<i>Enterococcus faecalis</i>	473	58.6 (420)	-	95.7 (443)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.5 (89)	36.7 (79)	19.3 (243)	-	-	-	-	93.9 (462)	-	11 (146)	93.8 (80)	-	-	8.2 (98)	58.2 (87)	-	7.5 (80)
<i>Enterococcus faecium</i>	268	3.5 (229)	-	5.6 (249)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5 (87)	5.4 (96)	6.1 (148)	-	-	-	-	92.1 (254)	-	6.1 (98)	-	-	9.8 (51)	85.7 (42)	-	1.8 (56)	
<i>Enterococcus</i> spp.	391	52.1 (96)	-	77 (374)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.2 (37)	31.1 (257)	-	-	-	-	95.2 (377)	-	17.1 (82)	-	-	23.8 (42)	75 (40)	-	10.3 (39)		
<i>Staphylococcus aureus</i> (all isolates)	1,633	8.1 (345)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.8 (824)	-	-	-	-	-	-	80.2 (126)	92.4 (171)	83.7 (43)	-	-	96.4 (722)	-	-	-	-	-	89.2 (801)	90.6 (801)	97.7 (827)	51.7 (58)		
(MRSA)	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0 (54)	-	-	-	-	-	-	-	-	-	-	59.2 (49)	-	-	-	-	-	10 (50)	13.5 (52)	83 (53)	-			
(MSSA)	777	8.3 (326)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.9 (777)	-	-	-	-	-	-	92.2 (102)	100 (153)	-	-	99 (675)	-	-	-	-	-	94.3 (748)	95.7 (751)	98.8 (774)	55.1 (49)			
(ICU)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(inpatient)	100	11.1 (63)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89.3 (75)	-	-	-	-	-	-	83.8 (37)	91.9 (62)	-	-	92.2 (77)	-	-	-	-	-	81.3 (75)	86.8 (76)	94.9 (74)	59.5 (37)			
(outpatient)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Staphylococcus</i> , coagulase negative	1,407	17.7 (651)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.6 (1,186)	-	-	-	-	-	-	61.3 (243)	68.2 (258)	41 (100)	-	-	73.8 (887)	-	-	-	-	-	56.1 (1,127)	45.6 (1,126)	64.3 (1,214)	44.2 (120)		
<i>Staphylococcus</i> , coagulase negative (blood)	872	21.1 (398)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53 (723)	-	-	-	-	-	-	69.7 (145)	70.4 (108)	-	-	75.9 (514)	-	-	-	-	-	57.7 (728)	47.8 (724)	82.4 (727)	49.2 (61)			
<i>Staphylococcus saprophyticus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Streptococcus pneumoniae</i> (all isolates)	278	OXA (173)	-	MIC	-	-	-	-	-	-	-	MIC	MIC	-	-	-	-	-	MIC	MIC	MIC	-	-	-	100 (121)	-	-	-	99.6 (240)	-	-	-	-	70.8 (267)	69.5 (249)	87.5 (80)	44 (184)	34.5 (84)		
(age 0-5 years old)	-	OXA	-	MIC	-	-	-	-	-	-	-	MIC	MIC	-	-	-	-	-	MIC	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
(age > 5 years old)	257	OXA (160)	-	MIC	-	-	-	-	-	-	-	MIC	MIC	-	-	-	-	-	MIC	MIC	MIC	-	-	-	100 (114)	-	-	-	99.6 (224)	-	-	-	-	72.6 (246)	71.4 (231)	87.3 (79)	45.5 (187)	34.6 (81)		
(Sterile sites) ^c	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(Non-sterile sites) ^d	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(Meningitis: by E-test)	-	MIC	MIC	-	-	-	-	-	-	-	-	-	MIC	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
(Nonmeningitis: by E-test)	-	MIC	MIC	MIC	-	-	-	-	-	-	-	-	MIC	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Gram positive

	A
	B
	C
	O
	ໄສມັຍ ?
	Inv.
	ໄນຣຍຸກຊັ່ນ

