

Percentage of susceptible bacteria, 7 hospitals ,RMSc 1&1/1 , Jan - Dec 2016

Organism	TOTAL ISOLATES	BETA - LACTAMS													CARBAPENEM			POLYMYXINS	QUINOLONES				AMINOGLYCOSIDES				GLYCOPEPTIDES		MISCELLANEOUS																	
		PENICILLIN	PENICILLIN V	AMPCILLIN	AMOXICILLIN/AVULANIC ACID	AMPCILLIN/SULBACTAM	PIPERACILLIN/TAZOBACTAM	CEFZOLIN (A)	CEFZOLIN (U)	CEPHALOTHIN	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE/SULBACTAM <sup>a</sup>	CEFOTAXIME	CEFZADIME	CEFTRIAZONE	CEFEPIME	OXACILIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	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	4,263	-	-	-	51.2 (164)	25.2 (4163)	-	-	-	-	-	-	3.1 (2681)	27 (4203)	6.1 (842)	-	-	-	22.3 (1716)	26 (3792)	-	MIC	-	27.4 (3524)	27.1 (251)	-	OFL	40 (4209)	32.5 (3263)	-	MIC	-	-	-	-	-	-	-	-	-	-	30.6 (2534)	-	Urine		
<i>Acinetobacter</i> spp.	203	-	-	-	57.6 (184)	-	-	-	-	-	-	-	24.8 (141)	75.6 (180)	-	-	-	-	58.3 (180)	52.8 (180)	-	MIC	-	82.4 (188)	-	-	-	77.9 (199)	68.8 (199)	-	MIC	-	-	-	-	-	-	-	-	-	-	84.1 (195)	-	Urine		
<i>Citrobacter freundii</i>	149	-	-	6.9 (101)	14.1 (135)	-	81.1 (46)	10.5 (75)	Urine	-	50 (58)	-	72.3 (87)	87.4 (57)	78.9 (57)	-	-	-	87.2 (94)	93.2 (44)	95.4 (130)	-	Urine	80 (105)	63.4 (41)	U	97.8 (136)	85.1 (141)	-	-	-	-	-	-	-	-	-	-	-	-	75.2 (137)	-	Urine			
<i>Enterobacter aerogenes</i>	280	-	-	0.7 (153)	4.1 (266)	-	85.9 (92)	15.7 (127)	16.7 U (36)	U	58 (100)	-	78.4 (268)	75.8 (268)	74.5 (149)	-	-	3.1 (32)	98.7 (153)	100 (53)	98 (251)	-	Urine	94.2 (171)	94.6 (37)	93.5 U (31)	97.7 (265)	90.2 (275)	-	-	-	-	-	-	-	-	-	-	-	-	87.6 (226)	-	Urine			
<i>Enterobacter cloacae</i>	1,222	-	-	1.1 (714)	3.6 (1176)	-	73.5 (502)	1.9 (626)	5.5 U (163)	U	55.7 (334)	-	59.7 (1010)	66.5 (542)	66.6 (542)	-	-	1 (103)	84.2 (790)	88.5 (452)	93 (969)	-	Urine	74.5 (856)	82.1 (106)	47.7 U (199)	94.1 (1160)	76.6 (1197)	-	-	-	-	-	-	-	-	-	-	-	-	69.4 (918)	-	Urine			
<i>Enterobacter</i> spp.	74	-	-	9.1 (63)	21.4 (33)	-	84.1 (33)	14.7 (63)	Urine	-	-	-	55.7 (66)	67.6 (32)	51.4 (65)	-	-	-	100 (66)	96.9 (32)	100 (65)	-	Urine	90.9 (33)	-	Urine	95.7 (70)	85.1 (70)	-	-	-	-	-	-	-	-	-	-	-	-	71.4 (35)	-	Urine			
<i>Escherichia coli</i> (all isolates)	8,810	-	-	17.1 (5133)	65 (8527)	-	92.6 (3866)	41.9 (3771)	-	-	58 (2472)	-	58.2 (7335)	64.8 (6900)	56.6 (3854)	-	-	92 (969)	97.6 (6354)	97.4 (3011)	98.2 (6791)	-	-	51.7 (6071)	57 (824)	-	98.5 (7957)	66.8 (8528)	-	-	-	-	-	-	-	-	-	-	-	-	-	44.5 (5558)	-	Urine		
(Urine)	5,136	-	-	17.1 (3110)	63.9 (5006)	-	92.5 (2351)	39.1 (2269)	55.7 U (269)	U	56.2 (1452)	-	56 (4358)	63.4 (3545)	54.1 (214)	-	-	87.6 (510)	97.7 (3640)	98 (1836)	98.4 (3913)	-	Urine	45 (3625)	49.4 (555)	46.5 U (307)	98.1 (4310)	64.9 (494)	-	-	-	-	-	-	-	-	-	-	-	-	85.2 U (559)	-	Urine			
(Urine-inpatient)	2,412	-	-	16.7 (1890)	64.8 (2384)	-	92.5 (802)	40.6 (780)	50 U (780)	U	56.2 (1117)	-	53.9 (1895)	59.5 (1248)	48 (671)	-	-	-	96.8 (2337)	97.4 (923)	97 (1821)	-	Urine	45.6 (2241)	47.7 U (1874)	-	97.9 (2354)	64.2 (2370)	-	-	-	-	-	-	-	-	-	-	-	-	42.2 (1892)	-	Urine			
(Urine-outpatient)	488	-	-	13.8 (348)	60.6 (482)	-	57.2 (348)	56.1 (139)	52.5 (183)	U	-	-	58.6 (348)	56.1 (139)	52.5 (183)	-	-	-	99.4 (462)	97.1 (35)	98.9 (374)	-	Urine	37.8 (442)	39.7 U (343)	-	98.1 (469)	62.8 (476)	-	-	-	-	-	-	-	-	-	-	-	-	42.2 (348)	-	Urine			
<i>Haemophilus influenzae</i> (all isolates)	305	-	-	54.7 (256)	93 (88)	-	-	-	-	-	-	-	98 (204)	81.6 (38)	93.8 (97)	-	-	-	97.6 (85)	98.1 (54)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79.8 (173)	47.6 (252)	74.1 (81)	Urine
(age 0-5 years old)	52	-	-	47.4 (38)	83.7 (43)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.4 (37)	-	Urine			
(age > 5 years old)	264	-	-	55.7 (228)	94.8 (158)	-	-	-	-	-	-	-	97.8 (185)	-	96 (75)	-	-	-	97.6 (83)	97.7 (44)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79 (157)	48.7 (224)	73 (74)	Urine
(Sterile sites) <sup>f</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(CSF)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Non-sterile sites) <sup>g</sup>	285	-	-	54.9 (237)	93.1 (173)	-	-	-	-	-	-	-	98.4 (185)	80.6 (36)	93.5 (92)	-	-	-	97.5 (81)	100 (47)	-	-	-	97.5 (159)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82.7 (162)	46.2 (234)	74.7 (75)	Urine
<i>Klebsiella oxytoca</i>	175	-	-	2 (99)	82.9 (164)	-	97.3 (73)	40.5 (116)	85.9 U (41)	U	88.6 (35)	-	85 (160)	83.1 (130)	77.3 (75)	-	-	84.1 (44)	94.4 (90)	97.1 (68)	97.8 (139)	-	Urine	84.8 (99)	59.5 U (42)	U	98.1 (157)	87.8 (164)	-	-	-	-	-	-	-	-	-	-	-	-	78.1 (137)	-	Urine			
<i>Klebsiella pneumoniae</i> (all isolates)	4,374	-	-	0.6 (2196)	64.1 (4194)	-	80.9 (1846)	52.5 (1846)	55.7 U (521)	U	84.4 (1025)	-	61.3 (3580)	63.6 (3199)	61.8 (2221)	-	-	90.9 (692)	94 (3009)	95.6 (1333)	95.4 (3416)	-	Urine	68.9 (2733)	89 (349)	59.3 U (653)	98.2 (4105)	82.6 (4196)	-	-	-	-	-	-	-	-	-	-	-	-	29.3 U (82)	-	Urine			
(ICU)	191	-	-	1.7 (59)	50.8 (183)	-	72.5 (91)	24.6 (57)	Urine	-	-	-	35 (80)	51.6 (190)	54.7 (1280)	-	-	-	94.2 (172)	97.5 (61)	93.2 (103)	-	Urine	58.6 (140)	-	Urine	99.5 (190)	77.2 (189)	-	-	-	-	-	-	-	-	-	-	-	-	32.8 (59)	-	Urine			
(inpatient)	2,140	-	-	0.6 (1598)	62.4 (2081)	-	81.2 (740)	54.7 (704)	41.7 U (192)	U	60.3 (985)	-	61.9 (1587)	61.1 (1202)	57.5 (661)	-	-	-	93.8 (2070)	93.9 (841)	93.8 (1620)	-	Urine	67.9 (1954)	62.3 U (424)	U	98.6 (2081)	81.9 (2066)	-	-	-	-	-	-	-	-	-	-	-	-	61.4 (1584)	-	Urine			
(outpatient)	214	-	-	0.7 (141)	-	-	-	-	Urine	-	-	-	70.2 (141)	76.8 (69)	71.1 (90)	-	-	-	97.1 (205)	96.1 (152)	-	-	Urine	74 (192)	Urine	99.5 (205)	84.3 (204)	-	-	-	-	-	-	-	-	-	-	-	-	-	66 (141)	-	Urine			
<i>Morganella morganii</i>	254	-	-	2.7 (188)	11.5 (227)	-	99.1 (107)	5.9 (119)	11.4 U (35)	U	24.5 (94)	-	86.3 (241)	87.9 (157)	79 (81)	-	-	-	98.1 (162)	97 (97)	99.1 (211)	-	Urine	82 (194)	100 (31)	76.9 U (65)	100 (242)	86.6 (247)	-	-	-	-	-	-	-	-	-	-	-	-	72.8 (213)	-	Urine			
<i>Proteus mirabilis</i>	1,182	-	-	55 (629)	86.5 (1142)	-	97.6 (376)	38.7 (486)	79.3 U (188)	U	83.3 (366)	-	85.3 (946)	94.6 (808)	85.5 (612)	-	-	94.6 (149)	99.4 (823)	93.7 (334)	99.2 (905)	-	Urine	79.4 (800)	87.8 (90)	83.5 U (267)	99.8 (1134)	81.1 (1155)	-	-	-	-	-	-	-	-	-	-	-	-	83.7 (820)	-	Urine			
<i>Proteus vulgaris</i>	258	-	-	14.2 (162)	72 (250)	-	95.2 (105)	10.8 (111)	Urine	-	-	-	86.6 (82)	92.9 (170)	85.1 (101)	-	-	-	97.4 (194)	84.7 (85)	99 (206)	-	Urine	86.1 (180)	70 U (30)	U	100 (247)	89 (246)	-	-	-	-	-	-	-	-	-	-	-	-	71.2 (177)	-	Urine			
<i>Providencia rettgeri</i>	49	-	-	8.1 (37)	10.6 (47)	-	-	-	Urine	-	-	-	84.4 (45)	-	-	-	-	-	94.4 (45)	-	-	-	Urine	89.5 (38)	Urine	97.8 (46)	91.3 (46)	-	-	-	-	-	-	-	-	-	-	-	-	86 (43)	-	Urine				
<i>Providencia stuartii</i>	-	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine			
<i>Providencia</i> spp.	-	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine		
<i>Pseudomonas aeruginosa</i>	3,511	-	-	-	-	79.2 (3378)	-	-	-	-	-	-	79.5 (3423)	-	-	-	-	-	82.9 (1178)	81.1 (3316)	99.8 (1790)	-	Urine	86.2 (1178)	75.5 (339)	65.6 U (305)	91.2 (3449)	87.9 (2433)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine			
<i>Salmonella</i> , Non-typhoidal	554	-	-	43.2 (438)	-	-	-	-	-	-	-	-	85.1 (248)	79.2 (48)	82.1 (76)	-	-	-	-	-	-	-	Urine	33.1 (169)	MIC	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	75 (52)	83.1 (496)	-	Urine		
<i>Serratia marcescens</i>	135	-	-	1.2 (85)	5.4 (130)	-	100 (75)	3.8 (78)	Urine	-	-	-	94 (116)	98.1 (107)	98.1 (50)	-	-	-	98.8 (80)	98.5 (65)	99 (103)	-	Urine	94.9 (99)	Urine	100 (1290)	97.7 (131)	-	-	-	-	-	-	-	-	-	-	-	-	91.3 (92)	-	Urine				
<i>Shigella sonnei</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Vibrio cholerae</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Vibrio parahaemolyticus</i>	-	-	-	-	-	-	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Gram negative

Organism	TOTAL ISOLATES	BETA - LACTAMS														CARBAPENEM		POLYMYXINS	QUINOLONES				AMINOGLYCOSIDES				GLYCOPEPTIDES			MISCELLANEOUS											
		PENICILLIN	PENICILLIN V	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN/SULBACTAM	PIPERACILLIN/TAZOBACTAM	CEFASOLIN (A)	CEFASOLIN (J)	CEPHALOTHIN	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZON/SULBACTAM <sup>a</sup>	CEFOTAXIME	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXAACILIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN	NALIDIXIC ACID	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN	VANCOMYCIN BY E-TEST	TEICOPLANIN	POSIFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE
<i>Enterococcus faecalis</i>	1,829	72 (1649)	-	97.2 (1651)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.3 (377) U	Urine	29 (726) U	-	-	-	-	98 (1647)	-	13.6 (66)	42.6 (47)	-	17.9 (476)	Urine	70 (317)	-	13.1 (91) U	
<i>Enterococcus faecium</i>	869	5.3 (731)	-	6.4 (724)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8 (205) U	Urine	5.4 (259) U	-	-	-	-	87.1 (798)	-	-	-	4.3 (117)	Urine	82.2 (101)	-	5.7 (35) U		
<i>Enterococcus</i> spp.	434	28.2 (412)	-	40.8 (409)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	20.5 (132) U	9.3 (150) U	-	-	-	-	99.8 (403)	-	-	-	18.8 (80)	Urine	-	-	Urine		
<i>Staphylococcus aureus</i> (all isolates)	2,861	8.1 (1055)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.4 (251) FOX	-	-	-	-	-	-	84.8 (884)	84.6 (241)	87.7 (65) U	-	92.8 (1852)	-	-	-	-	-	83.5 (2290)	83.8 (2391)	Urine	97.3 (399)	96.1 (2469)	-		
(MRSA)	231	0 (71)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5 (110)	Urine	-	21.2 (170)	-	-	-	-	-	11.2 (224)	11 (191)	Urine	-	72.8 (195)	-			
(MSSA)	2,388	8.7 (976)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.9 (39) FOX	-	-	-	-	-	-	95.6 (791)	93.3 (60) U	-	99.6 (1684)	-	-	-	-	-	-	94.3 (1865)	92.7 (1999)	Urine	99 (311)	99 (2074)	-		
(ICU)	80	17.1 (35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	-	92.9 (42)	-	-	-	-	-	78.9 (57)	71.1 (38)	Urine	-	92.1 (38)	-			
(inpatient)	1,566	12.3 (522)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.1 (737)	Urine	-	90.3 (993)	-	-	-	-	-	-	81.4 (1153)	82.8 (1273)	Urine	-	96.4 (1294)	-		
(outpatient)	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83.9 (149)	Urine	-	93.2 (190)	-	-	-	-	-	87.3 (189)	83 (147)	Urine	-	97.3 (150)	-			
<i>Staphylococcus</i> , coagulase negative	3,066	10.9 (1849)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.2 (80) FOX	-	-	-	-	-	-	58.5 (981)	75.8 (66)	54.6 (130) U	-	72.2 (1629)	-	-	-	-	-	52 (2524)	44.4 (2891)	Urine	91 (502)	64.2 (3026)	-		
<i>Staphylococcus</i> , coagulase negative (blood)	1,971	11.9 (1252)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58.8 (599)	Urine	-	72.5 (971)	-	-	-	-	-	51.4 (1647)	44.2 (1951)	Urine	93.5 (294)	62.9 (1957)	-			
<i>Staphylococcus saprophyticus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Urine	-	-	-	-	-	-	-	-	-	Urine	-	-	-			
<i>Streptococcus pneumoniae</i> (all isolates)	504	5.2 (77) OXA	-	-	MIC	-	-	-	-	-	MIC	MIC	-	-	-	-	-	-	MIC	MIC	MIC	-	-	-	98.6 (141)	-	-	-	-	-	99.8 (460)	-	-	-	77.8 (374)	63.6 (412)	-	91 (155)	38.6 (370)	29.3 (147)	
(age 0-5 years old)	70	OXA	-	-	MIC	-	-	-	-	-	MIC	MIC	-	-	-	-	-	-	MIC	MIC	MIC	-	-	-	-	-	-	-	-	-	100 (66)	-	-	-	72.7 (33)	63 (54)	-	-	26.2 (42)	-	
(age > 5 years old)	449	OXA	-	-	MIC	-	-	-	-	-	MIC	MIC	-	-	-	-	-	-	MIC	MIC	MIC	-	-	-	99.2 (122)	-	-	-	-	-	99.8 (408)	-	-	-	77.8 (333)	63.5 (367)	-	91.1 (146)	41 (334)	-	
(Sterile sites) <sup>f</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(Non-sterile sites) <sup>g</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
(Meningitis: by E-test)	-	MIC	MIC	-	-	-	-	-	-	-	-	-	MIC	-	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(Nonmeningitis: by E-test)	-	MIC	MIC	-	MIC	-	-	-	-	-	-	-	MIC	-	MIC	MIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Gram positive