

Percentage of susceptible Organisms Isolated From All Specimen, RMSc 1 & 1/1, 8 hospitals, JAN - DEC 2017

Organism	TOTAL ISOLATES	Percentage of Susceptible Organisms Isolated From All Specimen, RMSc 1 & 1/1, 8 hospitals, JAN - DEC 2017																																										
		PENICILLIN	PENICILLIN BY MIC	AMPCILLIN	AMPCILLIN/ CLAVULANIC ACID	AMPCILLIN/ SUBACTAM	PIPERACILLIN/ TAZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	BETA - LACTAMS						CARBAPENEMS			POLY MYXINS	QUINOLONES			AMINOGLYCOSIDES		GLYCOPEPTIDES	MICROBIALS																		
										CEFOROMINE SODIUM (parenteral)	CEFOROMINE SODIUM (oral)	CEFOPERAZONE/ SUBACTAM	CEFOTAXIME	CEFTAZIDIME BY MIC	CEFTAZIDIME	CEFTAXONE	CEFTRAXONE	CEFERIME	ORACILLIN	CEFOTIXIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN BY MIC	NALIDIXIC ACID	CIPROFLOXACIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	NETILMICIN	VANCOMYCIN BY MIC	VANCOMYCIN	TEICOPOLANIN	FOSFOMYCIN	CILDAMYCIN BY MIC	ERYTHROMYCIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE	
<i>Acinetobacter calcoaceticus-baumannii</i> complex	3834					70.7 (198)	27.2 (3740)																													41.8 (2597)	22.4 ^a (49)							
<i>Acinetobacter</i> spp.	392					77.8 (36)	61.2 (376)																													69.1 (189)	- ^a							
<i>Aeromonas hydrophila</i>	190					87.2 (47)																																	72 (189)	79.4 (34)				
<i>Burkholderia cepacia</i> complex	-																																								- ^a	- ^a		
<i>Burkholderia mallei</i>	-																																								- ^a	- ^a		
<i>Burkholderia pseudomallei</i>	-					- ^a																																		- ^a	- ^a			
<i>Citrobacter freundii</i>	149					89.7 (87)																																	76.7 (120)	-				
<i>Enterobacter aerogenes</i>	256					85.7 (98)																																	- ^a	- ^a				
<i>Enterobacter cloacae</i>	1252					80.2 (716)																																	71.7 (936)	78.6 (84)				
<i>Enterobacter</i> spp.	175		11.3 (115)	31.4 (169)	-	89.3 (140)	20.8 (41)	34.1 ^b	-	-	86.8 (161)	67.2 (103)	-	68.9 (119)	-	60.2 (161)	-	-	-	92.4 (111)	58.4 (169)	-	65.3 (161)	-	58.2 (169)	-	92 (100)	96.5 (85)	94.2 (121)	- ^a	86.2 (123)	-	-	-	98.5 (137)	85.6 (146)	-	76.7 (120)	-					
<i>Escherichia coli</i> (all isolates)	8673		17.8 (5300)	68.2 (8484)	-	93.5 (5918)	42.9 (4610)	59.7 (1627)	-	92.4 (4069)	58.4 (6410)	-	65.3 (6942)	-	65.3 (4862)	-	-	-	91 (864)	96.8 (6550)	97.7 (4598)	97.9 (7633)	- ^a	WT	- ^a	86.2 (7035)	-	93.5 (530)	83.3 ^b (234)	92.2 (253)	87.7 (31)	-					44.1 (5856)	25.7 (940)						
(Urine)	4933		15.9 (3046)	66.3 (4834)	-	92.3 (3358)	54.2 ^b (2667)	54.7 (590)	-	91.6 (2309)	55.2 (3741)	-	62.6 (3974)	-	54.3 (2738)	-	-	-	87.7 (470)	96.5 (3690)	97.4 (2584)	97.6 (4347)	- ^a	WT	- ^a	45.2 (3987)	-	60.8 (143)	44.3 ^b (3069)	44.1 (247)	64.9 (4124)	64.9 (4174)	-					85.1 ^b (530)	41.5 (3592)	22.4 (52)				
(Urine-inpatient)	2479		15.6 (1963)	64.7 (1970)	-	92.6 (1670)	48.6 ^b (784)	55.5 (1180)	-	91.3 (1327)	54.6 (1601)	-	59.5 (1693)	-	50.6 (1163)	-	-	-	95.9 (2448)	96.7 (1568)	96.7 (2388)	96.7 (2386)	- ^a	WT	- ^a	45.7 (2386)	-	91.7 (1919)	52 ^b (2241)	64 ^b (2285)	79.7 (2241)	-					- ^a	- ^a	39.9 (360)					
(Urine-outpatient)	448		13.5 (327)	63.2 (448)	-	93.9 (278)	53.7 ^b (162)	49.7 (169)	-	95.7 (115)	50.9 (169)	-	62 (279)	-	55.4 (325)	-	-	-	98.6 (444)	99.2 (260)	99.1 (429)	- ^a	WT	98.8 (443)	84.2 (390)	-	98.5 (399)	84.2 (399)	-	98.8 (399)	-	98.8 (399)	-	40.1 (324)	29.1 (158)									
<i>Haemophilus influenzae</i> (all isolates)	259		60.1 (223)	89.2 (130)	-	-														97.3 (188)	-	-																79.7 (143)	39.5 (223)	67 (97)				
(age 0-5 years old)	-		-	-	-	-																																		-	-			
(age > 5 years old)	222		62.7 (201)	89.8 (108)	-	-														97.6 (167)	-	-																83.2 (125)	43.8 (194)	71.3 (87)				
(Sterile sites) ^b	43		75.7 (37)	96.8 (31)	-	-														100 (30)	-	-																	34.3 (35)					
(Non-sterile sites) ^c	224		57.4 (204)	87.4 (103)	-	-														97 (165)	87.5 (40)	-																	81.5 (130)	39.8 (196)	69 (87)			
<i>Klebsiella oxytoca</i>	169		4 (100)	77.2 (167)	-	29.9 (127)	64.7 ^b (37)	-	-	90.2 (102)	74.7 (150)	-	83.2 (143)	-	77 (87)	-	-	-	93.3 (45)	94.8 (96)	96.2 (80)	96.8 (156)	- ^a	WT	- ^a	68.3 (104)	-	56.1 ^b (41)	97.5 (163)	82 (167)	-					- ^a	65.7 (140)	94.5 (91)						
<i>Klebsiella pneumoniae</i> (all isolates)	4607		62.6 (4476)	-	81.5 (3078)	54.7 (2364)	47.3 ^b (621)	60	-	82.7 (2336)	60.5 (3468)	-	64.2 (232)	-	61.3 (388)	-	-	-	89 (309)	91.5 (3856)	94.6 (2865)	94.1 (4142)	- ^a	WT	- ^a	70.1 (297)	-	87.9 (663)	59.6 ^b (256)	82.6 (4036)	97.5 (4277)	84.1 (2822)	-									23.1 ^b (117)	62.4 (2822)	64.9 (388)
(ICU)	176		55.7 (176)	-	78.7 (174)	29 (69)	- ^a	-	-	69.1 (175)	29 (69)	-	52.3 (176)	-	59.2 (102)	-	-	-	89.5 (172)	88.3 (163)	90.1 (161)	90.1 ^b (171)	- ^a	WT	- ^a	62 (171)	-	44.1 (117)	75.2 (133)	-					- ^a	42 (69)	-							
(inpatient)	2173		60.4 (2135)	-	84.6 (1548)	54.1 (1015)	48 ^b (587)	57.2 (587)	-	80.9 (1255)	59.8 (1288)	-	60.6 (1555)	-	56.6 (1040)	-	-	-	93.6 (2139)	94.2 (1466)	94 (2096)	94 ^b (2064)	- ^a	WT	- ^a	68.5 (407)	-	97.7 (1869)	82.7 (1907)	-					- ^a	61 (1585)	61.4 (298)							
(outpatient)	223		67.7 (220)	-	87.7 (106)	48 (50)	- ^a	73 (115)	-	96.5 (57)	72.2 (107)	-	65.4 (146)	-	71.2 (102)	-	-	-	96.4 (222)	95.9 (189)	95.2 (128)	99.6 (258)	- ^a	WT	- ^a	68.6 (198)	-	39.5 ^b (43)	98.4 (192)	88.9 (198)	-					- ^a	63.4 (161)	66 (50)						
<i>Morganella morganii</i>	267		-	99.3 (137)						97.3 (112)	82.4 (239)	-	86.7 (180)	-	87.8 (98)	-	-	-	99.4 (173)	97.4 (132)	99.5 (215)	- ^a	WT	- ^a	82.3 (215)	-	93.5 (31)	78.4 ^b (64)	86.4 (246)	-					- ^a	73.6 (219)	-							
<i>Proteus mirabilis</i>	1098		54.5 (607)	88.1 (1061)	-	98.9 (659)	36.4 (495)	79.6 ^b (186)	84.6 (522)	-	100 (622)	88.8 (622)	-	95.4 (618)	-	88.8 (618)	-	-	-	59.9 (121)	99.6 (811)	96.2 (521)	99.4 (973)	- ^a	WT	- ^a	81.6 (74)	-	86.5 (261)	77.4 ^b (39)	99.6 (936)	83.8 (994)	-					- ^a	61 (706)	-				
<i>Proteus vulgaris</i>	288		66 (282)	-	98.8 (167)					99.3 (153)	86.3 (241)	-	93.5 (232)	-	86.8 (159)	-	-	-	85.5 (62)	97.9 (189)	91.4 (128)	99.6 (258)	- ^a	WT	- ^a	88.9 (198)	-	81.5 ^b (54)	99.3 (270)	89.2 (277)	-					- ^a	69 (210)	-						
<i>Providencia rettgeri</i>	69		-	-	-	-	-	-	-	100 (42)	89.4 (66)	-	94.2 (52)	-	-	-	-	-	99.3 (59)	-	-	-	- ^a	WT	- ^a	87.9 (33)	-	-	98.5 (65)	95.5 (67)	-					- ^a	85 (60)	-						
<i>Providencia stuartii</i>	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
<i>Providencia</i> spp.	-		-	-	-	-	-	- ^a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
<i>Pseudomonas aeruginosa</i>	3410	</																																										

Gram negative	<i>Serratia marcescens</i>	160	-	-	-	-	98.9 (88)	-	-	100 (96)	93.6 (141)	-	95 (140)	-	94.4 (89)	-	-	-	98.5 (68)	100 (73)	100 (124)	-	-	-	-	98.6 (145)	98.7 (154)	-	-	-	-	-	96.3 (108)	-											
	<i>Shigella</i> spp.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	<i>Stenotrophomonas maltophilia</i>	241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.7 (123)	-	-	-	-	-	-	-	-	-	95.1 (223)	-														
	<i>Vibrio cholerae</i> (all serotypes)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	<i>Vibrio cholerae</i> non O1, non O139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
	<i>Vibrio parahaemolyticus</i>	62	-	-	16.7 (48)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 (47)	-	-	100 (33)	-	-	-	-	-	-	-	100 (49)	-													
	<i>Vibrio</i> spp.	67	-	-	18.4 (49)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98 (51)	-	-	100 (34)	-	-	-	-	-	-	-	100 (52)	-													
Gram positive	<i>Enterococcus faecalis</i>	1777	75.7 (1677)	-	97.4 (1508)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.8 ^u (433)	-	-	34 ^u (797)	-	-	-	52.8 ^b (428)	98.3 (1666)	-	-	40.7 ^u (54)	14.6 (515)	-	-	66.3 (359)	-	10.2 ^u (323)								
	<i>Enterococcus faecium</i>	816	4.5 (713)	-	5.5 (696)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3 ^u (252)	-	-	4 ^u (346)	-	-	-	72.4 ^b (293)	90.6 (784)	-	-	-	2.3 (176)	-	-	84.7 (163)	-	4.2 ^u (119)								
	<i>Enterococcus</i> spp.	452	29.1 (381)	-	31.6 (393)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.2 ^u (129)	-	13.1 ^u (37)	12.3 ^u (171)	-	-	-	-	95.9 (419)	-	-	-	-	-	-	18.1 (72)	-	5.7 ^u (35)								
	<i>Staphylococcus aureus</i> (all isolates)	2880	10.1 (1419)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.6 ^f (2623)	-	-	-	-	-	-	-	-	-	88.8 (529)	-	91.5 (141)	89.5 ^b (85)	-	-	95.1 (1309)	-	-	88.5 (2583)	-	86.5 (2388)	-	-	97.3 (373)	97.2 (2422)	50.9 (326)
	(MRSA)	148	0 (60)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0 ^f (148)	-	-	7.7 (52)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	(MSSA)	2500	10.6 (1357)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.9 ^f (2500)	-	-	87.9 (488)	-	100 (49)	94.8 ^u (77)	-	-	95.9 (1237)	-	-	-	-	-	-	94.3 (2224)	-	91.9 (2104)	-	-	98.1 (360)	99.3 (2134)	51.8 (313)			
	(ICU)	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95.1 ^f (81)	-	-	-	-	-	-	-	-	-	-	-	-	-	88.5 (78)	-	87.8 (41)	-	-	97.6 (41)	-	-						
	(inpatient)	1557	13.5 (815)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.1 ^f (1513)	-	-	89.7 (446)	-	-	87.2 ^u (47)	-	-	92.6 (512)	-	-	-	-	-	-	87 (1342)	-	84.4 (1240)	-	-	97.3 (1251)	48.1 (241)				
	(outpatient)	185	15.1 (53)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.6 ^f (175)	-	-	88.6 (79)	-	-	87 ^u (96)	-	-	93.5 (96)	-	-	-	-	-	-	90.4 (177)	-	86.8 (129)	-	-	97.7 (132)	58 (50)				
	<i>Staphylococcus</i> , coagulase negative	3566	12.3 (2506)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.2 ^f (3462)	-	-	54.6 (777)	-	74.7 (75)	61.6 ^u (159)	-	-	73.1 (1331)	-	-	-	-	-	-	55.1 (3275)	-	45.6 (3358)	-	-	89.6 (442)	65.7 (3434)	56.4 (743)			
	<i>Staphylococcus</i> , coagulase negative (blood)	2558	13.6 (1930)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.6 ^f (2513)	-	-	55.9 (485)	-	80.6 (36)	-	-	74.3 (814)	-	-	-	-	-	-	56 (2418)	-	45.6 (2479)	-	-	90.7 (259)	65.4 (2458)	57.1 (632)				
	<i>Streptococcus agalactiae</i>	184	100 (176)	-	100 (107)	-	-	-	-	-	-	-	-	-	-	-	-	-	100 (176)	-	-	100 (54)	-	-	-	-	-	-	-	-	-	93.8 (32)	-	93.6 (110)	-	-	-	-	-						
	<i>Streptococcus</i> , β-hemolytic not Group A,B	51	100 (35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 (34)	-	-	-	-	-	-	-	-	-	-	-	-	69.2 (39)	-	75.8 (33)	-	-	-	-	-						
	<i>Streptococcus pyogenes</i>	260	99.5 (219)	-	100 (62)	-	-	-	-	-	-	-	-	-	-	-	-	-	99.4 (175)	-	-	100 (79)	-	-	-	-	-	-	-	-	-	92.9 (198)	-	91 (211)	-	-	94 (83)	31.8 (66)							
	<i>Streptococcus pneumoniae</i> (all isolates)	442	66. ^a (254)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.2 (109)	-	-	-	-	-	-	-	-	-	99.7 (397)	-	-	81.8 (325)	-	70.5 (373)	-	-	91.7 (157)	41 (361)	35 (180)					
	(age 0-5 years old)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	(age > 5 years old)	395	68.9 ^d (239)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97.7 (88)	-	-	-	-	-	-	-	-	-	82 (289)	-	71.8 (341)	-	-	93.8 (144)	42.9 (331)	35.5 (166)								
	(Sterile sites) ^b	150	80.3 ^e (76)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100 (41)	-	-	-	-	-	-	-	-	-	99.3 (135)	-	-	85 (100)	-	75 (128)	-	-	97.6 (41)	43.3 (120)	40.8 (49)					
	(Non-sterile sites) ^c	313	60 ^d (190)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97.2 (72)	-	-	-	-	-	-	-	-	-	100 (281)	-	-	80.4 (235)	-	67.6 (262)	-	-	90.2 (122)	38.1 (260)	32.4 (139)					
	(Meningitis: by E-test)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	(Nonmeningitis: by E-test)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										

^a : No CLSI Interpretive Criteria. Interpret according to cefoperazone/sulbactam in *Enterobacteriaceae*

^b : Blood, Pleural Fluid

^c : Sputum, Ear, Sinus

^d : Interpret according to oxacillin susceptibility test

^e : MIC Interpretive Criteria

^f : Interpret according to cefotixin susceptibility test

^h : High-Level Aminoglycoside

^u : Urine, Urine Catheter, Urine Clean- Voided

^{WT} : Wild-type