

Percentage of Susceptible Organisms Isolated From Urine, 92 hospitals, Jan - Dec 2019

Organism	TOTAL ISOLATES	BETA - LACTAMS											CARBAPENEMS			POLY MYXINS		QUINOLONES		AMINOGLYCOSIDES			GLYCOPEPTIDES		MISCELLANEOUS							
		PENICILLIN	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFZOLIN (U)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE/ SULBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICoplanin	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE
<i>Acinetobacter calcoaceticus-baumannii</i> complex	5,360	R	R	30.4 (1270)	22 (3958)			6.3 (2413)	20 (4388)	5.9 (2499)	17.3 (1230)			R	22.3 (4102)	23.7 (4302)	97.5 (645)	21.5 (4050)	26.3 (2177)	48.1 (4106)	32.1 (3682)				R				R	33.8 (3541)	17.2 (256)	
<i>Acinetobacter</i> spp.	477			55.4 (101)	64.1 (291)			24.5 (208)	45 (329)	26.6 (203)	54.7 (86)				53.7 (294)	54.9 (324)	-	44.6 (312)	55.9 (161)	68.9 (326)	53.3 (291)										47.2 (265)	-
<i>Enterobacter cloacae</i>	1,612	R	R	R	68.2 (1201)	R	64.9 (704)	48.6 (1094)	53.1 (1353)	52.9 (1010)	56.5 (480)		R	82.3 (1026)	86.2 (1245)	87.7 (1260)	85.5 ^{WT} (172)	48.1 (1212)	56.2 (468)	92.6 (1279)	71.5 (1227)						50.6 (89)	-	59 (1276)	67.3 (49)		
<i>Enterobacter</i> spp.	691	7.5 (268)	13.7 (270)	36.6 (71)	71.7 (368)	23.4 (145)	-	73.8 (229)	50.1 (343)	58.2 (436)	52.2 (379)	51.6 (122)	27.8 (169)	86.1 (346)	83 (305)	89.4 (397)	85.5 ^{WT} (172)	47.7 (396)	63.2 (242)	93.2 (413)	75.9 (378)									54.7 (386)	70.6 (34)	
<i>Escherichia coli</i>	49,588	13.4 (30932)	65.4 (32973)	59 (7930)	88.7 (36522)	58.8 (15281)	-	84.2 (21073)	52.1 (33029)	62.5 (40723)	53.1 (32758)	57.6 (11891)	84.8 (17715)	95.8 (32287)	95.6 (36019)	96 (37968)	98.1 ^{WT} (4230)	32.2 (36435)	37 (16829)	98.1 (39087)	63.9 (37680)				98.3 (10419)			95.2 (2660)	-	41.8 (38139)	29.7 (1958)	
<i>Klebsiella pneumoniae</i>	15,595	R	47.7 (10317)	41.4 (2529)	59.1 (11707)	41.4 (4600)	-	56.4 (6849)	44.1 (10220)	46.3 (12978)	44 (10330)	47.1 (3946)	68.5 (5985)	78.5 (10445)	80.7 (11570)	80.2 (12208)	84.0 ^{WT} (1291)	33.8 (11676)	44.6 (5516)	90.7 (12478)	76 (11518)						52.8 (847)	-	44.8 (11827)	46.1 (519)		
<i>Klebsiella</i> spp.	1,696	2.5 (936)	37.2 (1009)	31.5 (260)	71.7 (1083)	36 (509)	-	70.6 (618)	52 (1024)	57.7 (1285)	52.1 (1038)	55.3 (371)	46.9 (578)	87.2 (928)	83.2 (1098)	86.9 (1141)		43.2 (1146)	49.6 (488)	91.4 (1258)	73.5 (1168)						60 (75)	-	57.5 (1211)	54.8 (31)		
<i>Morganella morganii</i>	976	R	R	35.4 (158)	95.1 (672)	R	R	91.4 (360)	78.7 (653)	88.2 (764)	87 (591)	84.9 (278)	43.9 (451)	98.8 (595)	54.8 (681)	98.5 (714)	R	62.6 (701)	70.6 (306)	98.9 (741)	80.5 (713)					R	-	67 (773)	35.1 (37)			
<i>Proteus mirabilis</i>	4,893	59.4 (5039)	84.2 (3244)	79.9 (720)	97.4 (3539)	76.2 (1534)		93.7 (1995)	80.6 (3350)	92 (4092)	83.8 (3161)	81.8 (1215)	94.1 (2001)	98.5 (3017)	81.4 (3491)	96.9 (3715)	R	63.9 (3704)	65.5 (1518)	99.3 (3973)	77.8 (3780)					R	-	53.3 (3850)	R			
<i>Pseudomonas aeruginosa</i>	7,240	R	R	R	64.3 (5819)			R	61.9 (6228)	61.9 (6228)	R	61 (1790)		R	58.3 (5552)	61.9 (5787)	97.5 (774)	97.5 (5758)	61.3 (2929)	58 (6089)	73.5 (5377)	64							R	R	R	
<i>Salmonella</i> , Typhoidal	2																															
<i>Salmonella</i> , Non-Typhoidal	226	40.4 (156)						76.5 (51)	74.5 (137)	73.9 (111)	74.4 (129)							46.2 (171)	-	-										83.7 (178)		
<i>Enterococcus faecalis</i>	14,778	60.6 (10001)	93.6 (12677)			R	R	R	R	R	R	R						23.6 (6391)	37.6 (3524)	R	R	38.6 ^h (3074)	98.8 (12761)	99.1 (1387)	93.2 (4708)	R	5.8 (1533)	97.1 (783)		R	7.3 (4772)	
<i>Enterococcus faecium</i>	8,658	3.5 (5870)	5.1 (7447)			R	R	R	R	R	R	R						2.5 (3943)	6.7 (1994)	R	R	57.0 ^h (2012)	92.5 (7495)	88.1 (872)		R	1.4 (949)	18.6 (553)		R	8.1 (3022)	
<i>Enterococcus</i> spp.	2,411	35.2 (980)	51.3 (1301)															27.2 (235)	26.8 (299)			47.2 ^h (320)	94.4 (1385)	82.7 (52)			7 (142)	-			11.2 (439)	
<i>Staphylococcus aureus</i>	1,565	9.3 (474)										85.7 ^f (1444)						88.2 (541)	87.5 (343)		93.8 (1024)	98.3 ^h (237)	97.8 ^h (139)		86.6 (410)	83.5 (400)	95.2 (62)	89.1 (128)	95.9 (1279)	62.8 (460)		
(MRSA)	116	0 (41)										0 ^f (116)						43.5 (46)	-		53.2 (77)	-	-		47.6 (42)	42.9 (42)	-	-	73.1 (104)	55 (40)		
(MSSA)	1,059	8.3 (300)										99.9 ^f (1076)						94 (332)	95.5 (155)		97.9 (753)	-	-		93.5 (246)	89.6 (221)	97.8 (45)	93.2 (44)	99.2 (392)	61.9 (289)		
<i>Staphylococcus</i> , coagulase negative	6,036	9.1 (801)										35.3 ^f (2364)						57.8 (359)	66.8 (108)		75.2 (764)	97.6 ^h (206)	89.0 ^h (127)		49.5 (342)	39.4 (310)	94.7 (32)	81.4 (96)	71.6 (1192)	40.9 (445)		
(MRCNS)	1,296	0 (383)										0 ^f (1312)						37.3 (359)	59.3 (108)		62.3 (764)	-	-		36.8 (342)	29.4 (310)	93.8 (32)	81.2 (96)	60.9 (1192)	28.3 (445)		
(MSCNS)	806	25.6 (211)										99.8 ^f (813)						92.3 (359)	92.6 (108)		95.5 (764)	-	-		73.9 (342)	74.6 (310)	-	86.8 (96)	90.2 (1192)	69.7 (445)		
<i>Streptococcus</i> , β-hemolytic not Group A, B, D	129	94.5 (73)						100 (38)		94.9 (39)											98.6 (70)				67.7 (31)	64.9 (37)						
<i>Streptococcus agalactiae</i>	980	97.6 (753)	97.5 (243)					97.6 (369)		98.1 (375)	90 (70)										97.9 (282)				98 (590)		66.3 (166)	70.8 (195)		92.8 (97)		

*ข้อมูลความไวจากวิธี disk diffusion และ MIC ควบคุม

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

^h: High-Level Aminoglycoside

%S

^e: MIC Interpretive Criteria

^{WT}: Wild-type

^f: Interpret according to cofoxitin susceptibility test

R: Intrinsic resistance

