

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

Organism	TOTAL ISOLATES	BETA - LACTAMS													CARBAPENEMS			POLY MYXINS	QUINOLONES	AMINOGLYCOSIDES	GLYCOPEPTIDES	MISCELLANEOUS																							
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFAZOLIN (A)	CEFUROXIME SODIUM (parenteral)	CEFOPERAZONE / SULBACTAM	CEFTAZIDIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICoplanin	CLINDAMYCIN	ERYTHROMYCIN	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE													
<i>Acinetobacter calcoaceticus-baumannii</i> complex	5,140			R	R	50.3 (1086)	46.6 (9369)									R	48.5 (4019)	48.3 (4253)	97.1 (828)	50.1 (4000)	52.9 (2717)	64.2 (3839)	56.5 (3492)							R	51.9 (3164)														
<i>Acinetobacter</i> spp.	1,005					87.5 (255)	82.6 (811)														84.5 (804)	82.3 (843)	97.2 (109)	81.7 (527)	88.4 (857)	90 (750)							63.3 (882)												
<i>Aeromonas hydrophila</i>	322							81.8 (55)							36.3 (91)	79.7 (177)	53.4 (176)	81.7 (197)			94.7 (245)	99 (103)	98.7 (223)	97.8 (230)								85.2 (216)	66.7 (45)												
<i>Enterobacter cloacae</i>	894			R	R	R	81 (649)	R		80.1 (361)	65.4 (509)	65.8 (660)	64.9 (627)	72.5 (251)		R	89.4 (578)	88.6 (665)	93.1 (678)	86.3 <sup>WT</sup> (102)	72.6 (664)	79.3 (323)	97.8 (692)	81.1 (592)								73.6 (57)	-												
<i>Enterobacter</i> spp.	340									11.5 (165)	26.2 (206)	31.4 (35)	83.5 (248)	20.4 (98)	47.7 (44)	83.4 (151)	61.7 (214)	72.5 (280)	69.3 (238)	70.7 (82)		42.2 (90)	93.5 (232)	89.6 (202)	96.9 (256)	80 (238)	97.4 (145)	84.5 (271)	84.5 (238)				73 (230)												
<i>Escherichia coli</i>	19,459					17.1 (11016)	72.2 (12840)	66 (2347)	92.9 (13823)	35.8 (5076)	59.1 (3842)	88.8 (7885)	61.2 (14926)	71.5 (12599)	62.1 (5294)	68.1 (5294)	91 (6824)	97.8 (12420)	97.5 (13404)	98.1 (14502)	98.8 <sup>WT</sup> (2694)	47.6 (14139)	52.9 (6920)	98.8 (14936)	70.4 (13402)							44.5 (12392)	32.3 (662)												
<i>Klebsiella pneumoniae</i>	8,457			R		69.8 (5556)	59.7 (1079)	75 (6136)	55.9 (2173)	61.3 (1848)	73.5 (3438)	67 (5076)	67.6 (6535)	65.9 (5729)	69.7 (2391)		82.7 (3080)	88.5 (5558)	88.6 (5919)	89.2 (6349)	96.3 <sup>WT</sup> (1154)	57.3 (6192)	67.3 (3208)	95.6 (6490)	86.4 (5644)							66.6 (5319)	72.2 (216)												
<i>Klebsiella</i> spp.	666					4.4 (409)	48.4 (459)	42.5 (106)	83.1 (468)	28.6 (227)	61.7 (133)	81.4 (280)	71.2 (419)	70.9 (474)	71 (155)		55.5 (239)	93.9 (428)	90.8 (467)	93.9 (489)	91.7 (72)	62.7 (62)	75.4 (252)	97.8 (542)	83.9 (467)							73.1 (480)	-												
<i>Morganella morganii</i>	214			R	R		92.3 (142)	R	R	94.5 (73)	84 (125)	93.4 (151)	91.8 (134)	88.9 (63)		50.6 (89)	99.2 (125)	51.9 (129)	100 (142)	R	69.7 (152)	80.6 (67)	99.4 (162)	83.2 (143)								71 (138)	-												
<i>Proteus mirabilis</i>	1,221			55.4 (891)	86.2 (798)	86.1 (165)	97.2 (849)	44 (348)	88.2 (272)	94.5 (505)	83.1 (764)	94.3 (954)	89.1 (827)	83.9 (316)		94.6 (444)	98.1 (770)	73.3 (794)	95.2 (921)	R	69.3 (889)	69.7 (445)	99.4 (974)	82.3 (871)							61.8 (894)	R													
<i>Pseudomonas aeruginosa</i>	2,236			R	R	R	83.1 (1750)				R	82.4 (1851)	R	83 (616)		R	72.4 (1673)	81 (1773)	96 (351)	96 (1797)	83.2 (1082)	81.2 (1853)	91.9 (1518)	85.6 (1518)								R	R												
<i>Salmonella</i> , Typhoidal	68					78.4 (51)																											93.3 (60)												
<i>Salmonella</i> spp.	1,574					53.5 (967)						92.9 (392)	88.3 (929)	89.1 (855)	88.9 (1056)																		89.3 (1096)												
<i>Enterococcus faecalis</i>	1,710	80.4 (1151)	72.1 (215)	96 (1480)				R	R	R	R	R	R	R											R	R	65.6 (360)	98.7 (1509)	95.6 (1160)	R	18.2 (747)		R												
<i>Enterococcus faecium</i>	1,075	16.4 (676)	10.2 (137)	16.4 (947)				R	R	R	R	R	R	R											R	R	66.3 (270)	91.5 (958)	87 (92)	R	5.8 (498)		R												
<i>Enterococcus</i> spp.	606	73.7 (278)	82.5 (40)	77.7 (354)																													37 (184)												
<i>Staphylococcus aureus</i> (all isolates)	6,496	10.3 (1901)	10.8 (731)												87.5 <sup>f</sup> (5732)																		91.2 (2069)	91.9 (1309)	95.1 (4105)	99.4 <sup>f</sup> (1388)	98.6 <sup>f</sup> (553)	88.2 (5250)	84.5 (5197)	94.3 (985)	96.2 (4977)	64.2 (2010)			
(MRSA)	474	0 (134)	-												0 <sup>f</sup> (477)																			55.1 (185)	33.9 (56)	65.7 (332)	42.5 (440)	34.6 (451)	93.3 (30)	86.3 (417)	56.9 (137)				
(MSSA)	4,135	11.5 (1028)	-												100 <sup>f</sup> (4192)																			97.1 (1157)	98.2 (550)	98.4 (2877)	99.2 <sup>f</sup> (241)	98.4 (3866)	90.5 (3749)	97.3 (337)	99.2 (3772)	68.7 (1110)			
<i>Staphylococcus</i> , coagulase negative	34,741	11.7 (7881)	12 (2384)												42.3 <sup>f</sup> (21031)																			60.1 (6394)	62.6 (3648)	72.2 (13901)	98.2 <sup>f</sup> (3373)	92.3 <sup>f</sup> (1605)	48.5 (19794)	38.7 (19927)	90.2 (2912)	65 (16988)	57.6 (6912)		
(MRCNS)	10,086	0 (2819)	-												0 <sup>f</sup> (10146)																			34.5 (2568)	36.3 (1027)	52.7 (6393)	99.2 <sup>f</sup> (252)	99.2 <sup>f</sup> (9356)	22.7 (9348)	13 (634)	87.1 (9195)	47.1 (2771)	52.7 (2771)		
(MSCNS)	8,199	23.2 (2567)	-												100 <sup>f</sup> (8249)																			95.1 (1842)	96.1 (723)	96.2 (5129)	98.7 <sup>f</sup> (76)	98.7 <sup>f</sup> (76)	80.6 (7649)	70.9 (7577)	94.7 (637)	86.7 (7586)	70.2 (1689)		
<i>Streptococcus agalactiae</i>	1,417	98.7 (1109)	98.8 (284)	97.8 (490)																															97.1 (647)	98.2 (605)	98.4 (93)	99.2 <sup>f</sup> (967)	99.2 <sup>f</sup> (966)	95.7 (1097)	85.5 (320)	93.1 (320)			
<i>Streptococcus</i> , β-hemolytic not Group A, B, D	1,090	92.7 (798)	92.7 (150)	92.4 (302)																															98.3 (353)	94.9 (445)	94.9 (59)	98.2 (353)	98.2 (662)	87.1 (719)	83.1 (798)	90.4 (219)			
<i>Streptococcus pneumoniae</i>	1,416	78.3 <sup>d</sup> (742)	47.6 (412)		90.0 <sup>e</sup> (30)																														97.1 (742)	98.3 (6394)	98.2 (3648)	98.4 (2877)	99.2 <sup>f</sup> (241)	98.4 (3866)	90.5 (3749)	97.3 (337)	99.2 (3772)	68.7 (1110)	
<i>Streptococcus pyogenes</i>	1,871	98.8 (1473)	96.7 (240)	96.7 (620)																															99.4 (799)	99 (804)	100 (115)	99.4 (585)	99.5 (1271)	98.1 (585)	93.6 (1371)	91.9 (1491)	92.8 (499)		
<i>Streptococcus</i> spp. Viridans Group	3,089		69.2 <sup>e</sup> (705)	76.7 <sup>e</sup> (43)																															88.1 (1379)	84.9 (1363)	93.4 (122)			93 (1038)	98.3 (2419)	81.8 (2223)	56 (2420)	88.6 (639)	28.3 (709)

\* ข้อมูลความไวจากวิธี disk diffusion และ MIC วรรณเกิน

<sup>a</sup> : No CLSI Interpretive Criteria. Interpret according to ceftazidime/sulbactam in *Enterobacteriaceae*

<sup>f</sup> : Interpret according to ceftazidime susceptibility test

R : Intrinsic resistance

%S

<sup>d</sup> : Interpret according to oxacillin susceptibility test

<sup>h</sup> : High-Level Aminoglycoside

<sup>e</sup> : MIC Interpretive Criteria

<sup>i</sup> : MIC Interpretive Criteria, For the 20% nonsusceptible, 15% were intermediate (MIC 0.25 to 2µg/mL) and 5% were resistant (MIC ≥ 4 µg/mL) to penicillin.

