

Percentage of susceptible Organisms Isolated From All Specimen, 6 hospitals, Jan - Dec 2024 , เขตสุขภาพที่ 13

Organism	TOTAL ISOLATES	BETA - LACTAMS														CARBAPENEMS				POLY MYCINS	QUINOLONES			AMINOGLYCOSIDES			GLYCOPETIDES		MISCELLANEOUS																		
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/ CLAVULANIC ACID	AMPICILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFALOSPORIN (A)	CEFALOSPORIN (U)	CEFTIOXIME SODIUM (parenteral)	CEFTIOXIME SODIUM (Oral)	CEFOPERAZONE / SULBACTAM	CEFTAZIDIME	CEFTAZIDIME	CEFTAZIDIME	CEFTAZIDIME	CEFTAZIDIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN (U)	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICoplanin	FOSFOMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN (U)	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE									
<i>Acinetobacter calcoaceticus-baumannii</i> complex	2588			R	R	27.3 (1316)	25.7 (2579)							15.3 (2116)	27.9 (2574)	21.3 (1562)	26.7 (2203)			R	25.6 (2570)	25.5 (2569)	95.4 (1539)	26.1 (2584)	29.2 (1986)		38.8 (2567)	34.6 (2563)						R			R	31.5 (2573)	-	-							
(ICU)	707			R	R	19.4 (403)	18.2 (704)							11.5 (505)	19.7 (704)	15.0 (414)	17.8 (606)			R	17.8 (703)	17.8 (704)	95.9 (392)	19.3 (705)	21.4 (583)		31.1 (700)	26.3 (700)						R			R	24.9 (702)	-	-							
(inpatient)	1681			R	R	25.6 (855)	22.0 (1675)							12.7 (1407)	24.5 (1670)	17.8 (1027)	23.5 (1446)			R	22.0 (1668)	21.8 (1667)	95.1 (1008)	22.5 (1678)	27.6 (1276)		35.4 (1668)	31.6 (1668)						R			R	28.1 (1672)	-	-							
(outpatient)	414			R	R	44.8 (154)	41.3 (412)							22.1 (393)	45.0 (407)	39.8 (221)	41.2 (362)			R	41.2 (410)	41.7 (410)	98.2 (219)	40.7 (413)	46.0 (239)		53.2 (410)	49.5 (406)						R			R	45.0 (411)	-	-							
<i>Acinetobacter</i> spp.	225					78.8 (104)	84.8 (223)							50.0 (194)	73.4 (222)	65.9 (126)	77.0 (200)				77.9 (222)	77.2 (224)		60.7 (223)	87.8 (148)		90.1 (223)	84.8 (223)										70.9 (223)	-	-							
<i>Aeromonas hydrophila</i>	100													82.9 (41)	87.8 (41)	80.6 (36)	90.2 (41)				28.2 (39)	87.8 (41)	95.1 (41)		90.0 (100)	91.7 (36)		100.0 (39)	90.8 (98)										90.0 (100)	78.0 (59)							
<i>Burkholderia cepacia</i> complex	74			R	R	R														R			75.3 (73)		68.9 (61)															97.0 (67)	-	-					
<i>Burkholderia mallei</i>																																															
<i>Burkholderia pseudomallei</i>	5																																														
<i>Citrobacter freundii</i>	110			R	R	R	67.3 (110)		R	R	R	R			66.7 (93)	68.9 (106)	64.9 (94)	75.9 (83)			R	84.3 (108)	86.1 (108)	85.8 (106)		55.6 (108)	53.6 (91)		50.0 (108)	73.6 (110)												68.2 (110)	-	-			
<i>Enterobacter cloacae</i>	740			R	R	R	74.7 (731)		R	R					83.5 (139)	69.2 (556)	75.1 (710)	82.6 (592)			R	89.9 (725)	92.8 (726)	93.8 (720)	75.8 (434)	70.9 (628)	78.5 (714)		47.9 (714)	83.1 (727)												77.4 (730)	-	-			
<i>Enterobacter</i> spp.	202					13.2 (190)	14.4 (202)	31.8 (66)	71.3 (202)						44.3 (122)	9.0 (122)	82.1 (123)	72.2 (194)	76.3 (198)	68.4 (79)	76.5 (200)					74.8 (202)	82.3 (79)		59.2 (201)	84.5 (193)											82.2 (202)	-	-				
<i>Escherichia coli</i> (all isolates)	6412					16.9 (5071)	76.2 (6404)	45.4 (1599)	84.3 (6405)						55.0 (1646)	12.9 (1634)	55.9 (1911)	89.3 (4591)	72.5 (5875)	66.8 (4764)						85.7 (3768)	96.6 (6042)	97.5 (6052)	97.6 (6011)	98.5 (2794)	36.6 (6364)	41.8 (4694)										98.8 (518)	-	51.7 (6398)			
(Urine-inpatient)	1944					15.1 (1334)	72.9 (1943)	40.0 (1943)	82.0 (1943)						39.6 (323)	10.3 (320)	82.8 (429)	49.3 (1141)	66.9 (1745)	52.1 (1624)	59.9 (1634)					81.1 (888)	95.7 (1822)	96.5 (1824)	96.5 (1807)	98.0 (760)	33.1 (1925)	38.6 (1933)										98.2 (440)	-	46.4 (1940)			
(Urine-outpatient)	2726					16.5 (2470)	75.2 (2721)	44.1 (758)	84.3 (2723)						37.3 (861)	14.5 (858)	90.2 (1089)	56.4 (2241)	71.5 (2467)	58.2 (1762)	67.3 (2243)					85.6 (1866)	97.3 (2532)	98.1 (2537)	98.2 (2516)	98.8 (1213)	30.8 (2709)	34.3 (1735)										99.0 (1145)	-	52.1 (2726)			
<i>Haemophilus influenzae</i> (all isolates)	100					42.0 (100)	-	-	100.0 (52)																																						
(age 0-5 years old)	34					32.4 (34)	-	-	100.0 (33)																																						
(age > 5 years old)	66					47.0 (66)	-	-	100.0 (56)																																						
(CSF)																																															
(Sterile sites) ^b	5																																														
(Non-sterile sites) ^c	99					42.4 (99)	-	-	100.0 (52)																																						
<i>Klebsiella aerogenes</i>	200			R	R	R	74.9 (199)		R	R					95.8 (45)	83.7 (129)	86.6 (154)	80.5 (165)	89.1 (165)			R	93.1 (188)	92.6 (188)	94.7 (188)	100.0 (82)	85.3 (197)	87.5 (152)		60.4 (187)	90.3 (196)														89.9 (199)	-	-
<i>Klebsiella oxytoca</i>	126			R		79.2 (125)	-	79.4 (126)																																							
<i>Klebsiella pneumoniae</i> (all isolates)	5325			R		72.0 (5315)	56.8 (1456)	65.4 (5314)							61.9 (1228)	16.0 (1203)	74.3 (1352)	63.6 (3822)	68.6 (5061)	67.1 (4099)	68.5 (4497)					77.9 (3109)	83.1 (5136)	88.4 (5126)	86.9 (2542)	97.6 (5307)	58.8 (4074)																
(ICU)	817			R		61.7 (815)	40.3 (231)	57.5 (814)							50.0 (102)	12.9 (101)	69.3 (140)	49.8 (492)	56.8 (764)	55.8 (713)	59.3 (683)					69.2 (367)	74.2 (779)	79.9 (780)	78.2 (780)	95.4 (367)	51.0 (814)	62.5 (702)															
(inpatient)	3110			R		67.2 (3104)	53.3 (842)	62.4 (3102)							41.7 (545)	8.8 (532)	59.2 (623)	55.2 (2025)	63.3 (2945)	64.0 (2571)	62.3 (2636)					70.3 (1624)	78.8 (3001)	85.1 (2999)	83.0 (2996)	97.2 (1450)	54.7 (3097)	66.4 (2550)															
(outpatient)	1913			R		76.1 (1910)	60.3 (547)	66.6 (1911)							70.7 (733)	19.0 (731)	79.5 (1761)	69.5 (1710)	72.6 (1824)	71.1 (1173)	73.9 (1611)					82.3 (1456)	86.4 (1846)	90.6 (1847)	90.1 (1840)	97.6 (961)	60.1 (1910)	68.1 (1171)															

Gram negative

Organism	TOTAL ISOLATES	BETA - LACTAMS														CARBAPENEMS			POLY MYCINS	QUINOLONES			AMINOGLYCOSIDES			GLYCOPEPTIDES		MISCELLANEOUS							
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILIN/ CLAVULANIC ACID	AMPICILLIN/ SULBACTAM	PIPERACILLIN/ TAZOBACTAM	CEFAZOLIN (A)	CEFAZOLIN (U)	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE/ SULBACTAM	CEFOTAXIME	CEFTAZIDIME	CEFTRIAZONE	CEFEPIME	OXACILLIN	CEFOXITIN	EERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	LEVOFLOXACIN	NORFLOXACIN (U)	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICoplanin	FOSFOAMYCIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN (U)	CHLORAMPHENICOL
(inpatient)	1264	-	20.1 (930)													77.8 ^f (1264)							81.9 (1186)	82.3 (734)		93.9 (1220)	99.9 ^g (927)	99.9 ^g (732)		86.0 (1191)	78.7 (1195)	-	94.8 (725)	98.4 (1196)	67.7 (711)
(outpatient)	1036	-	20.3 (644)													78.1 ^f (1036)							83.4 (1002)	85.6 (578)		94.7 (1008)	100.0 ^g (644)	99.8 ^g (584)		85.0 (997)	80.3 (1001)	-	94.8 (574)	97.8 (1009)	70.3 (701)
<i>Staphylococcus</i> , coagulase negative	1112	-	16.3 (449)													32.9 ^f (1112)							53.7 (1031)	59.6 (216)		71.3 (1033)	100.0 ^g (450)	96.2 ^g (185)		47.7 (984)	37.5 (989)	-	93.2 (205)	74.9 (1012)	69.8 (963)
<i>Staphylococcus</i> , coagulase negative (blood)	711	-	16.7 (329)													30.4 ^f (711)							30.4 (677)	58.7 (155)		70.5 (677)	100.0 ^g (331)	95.6 ^g (137)		45.5 (681)	36.8 (685)	-	92.3 (155)	75.2 (658)	72.6 (614)
<i>Streptococcus agalactiae</i>	516	100.0 (50)	94.8 (326)	-								98.1 (361)	97.9 (384)	91.7 (289)										96.1 (377)		97.7 (386)			73.8 (347)	70.1 (348)		96.1 (307)		40.6 (96)	
<i>Streptococcus</i> , β-hemolytic not Group A,B,D	264	-	95.8 (166)	-								98.4 (193)	97.3 (187)	89.7 (145)										98.4 (209)		97.6 (211)			84.5 (206)	75.1 (205)		94.9 (157)		43.5 (62)	
<i>Streptococcus pyogenes</i>	115	-	98.4 (63)	-								100.0 (77)	98.8 (81)	87.0 (46)										97.2 (71)		100.0 (63)			92.5 (80)	86.6 (82)		96.7 (61)		-	
<i>Streptococcus suis</i>	22	-	-	-								-	-	-															-	-		-			
<i>Streptococcus</i> spp. Viridans Group	265		81.6 (179)	-								95.6 (227)	95.5 (199)	93.9 (165)										95.4 (238)		98.4 (250)			82.4 (244)	73.2 (250)		92.8 (167)			
<i>Streptococcus pneumoniae</i> (all isolates)	200	- ^d	42.1 (152)	92.1 ^g (114)				54.0 ^g (113)	54.0 ^g (113)														98.9 (177)		99.0 (194)			62.8 (183)	43.1 (195)		87.4 (143)	57.1 (189)	35.4 (65)		
(age 0-5 years old)	49	- ^d	32.4 (34)	-				-	-															97.2 (36)		100.0 (48)			57.1 (42)	29.2 (48)		97.1 (35)	45.7 (46)	-	
(age > 5 years old)	158	- ^d	44.7 (123)	92.6 ^g (85)				53.2 ^g (94)	53.2 ^g (94)															98.6 (147)		98.7 (152)			63.5 (148)	46.8 (154)		84.1 (113)	60.1 (148)	35.4 (48)	
(Sterile sites) ^b	54	- ^d	89.7 (39)					-	-															100.0 (46)		98.1 (52)			69.4 (49)	47.2 (53)		84.6 (39)	58.3 (48)	-	
(Non-sterile sites) ^c	168	- ^d	45.5 (134)	91.5 ^g (108)				51.9 ^g (108)	51.9 ^g (108)															98.7 (152)		98.8 (163)			62.6 (155)	44.8 (163)		87.1 (124)	57.1 (163)	33.9 (56)	
(Meningitis)			-									-	-	-																					
(Nonmeningitis)	200		93.4 (152)	92.1 ^g (114)								97.8 ^g (137)	97.2 ^g (141)	98.3 ^g (115)																					

^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 ceftazidime susceptibility test

^g : High-Level Aminoglycoside

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

R : Intrinsic resistance

*N <30 isolates tested. The result is not significant as per CLSI guidelines

* ข้อมูลการตรวจด้วยวิธี disk diffusion ไม่ใช้ MIC ระบุ

* COLISTIN กำหนดค่า Intermediate

