

Percentage of susceptible Organisms Isolated From All Specimen, 68 hospitals, Jan - Dec 2022

Organism	TOTAL ISOLATES	BETA - LACTAMS																		CARBAPENEMS		POLY MYXINS	QUINOLONES		AMINOGLYCOSIDES		GLYCOPEPTIDES		MISCELLANEOUS									
		PENICILLIN	PENICILLIN BY MIC	AMPICILLIN	AMOXICILLIN/ CLAVULANIC ACID	AMPCILLIN / SULBACTAM	PIPERACILLIN / TAZOBACTAM	CEFZOLIN (A)	CEFZOLIN (U)	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE / SULBACTAM	CEFTOXIME	CEFTAZIDIME	CEFTRIAXONE	CEFEPIME	OXACILLIN	CEFOXITIN	EERTAPENEM	IMPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	NORFLOXACIN (U)	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	TEICOPLANIN	FOSFOMICIN	CLINDAMYCIN	ERYTHROMYCIN	NITROFURANTOIN (U)	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE	
<i>Acinetobacter calcoaceticus-baumannii</i> complex	35052			R	R	23.3 (11729)	22.4 (31180)					14.6 (16680)	22.6 (30519)	12.7 (25122)	23.3 (17220)			R	22.6 (31666)	22.7 (31861)	96.2 (18049)	24.6 (31796)		26.7 (21455)	42.2 (26134)	32.4 (21114)							R		33.8 (22617)	18.7 (75)		
(ICU)	9697			R	R	14.9 (3403)	14.6 (8882)					9.6 (4679)	14.7 (8669)	7.7 (7343)	14.1 (5170)			R	14.3 (8804)	14.5 (8944)	95.7 (5171)	17.1 (8825)		18.6 (6397)	33.8 (6930)	23.6 (5761)							R		29.0 (6315)	12.5 (8)		
(inpatient)	23241			R	R	22.9 (8042)	21.2 (20468)					13.4 (10908)	21.4 (20078)	11.9 (16048)	22.6 (11013)			R	21.3 (21006)	21.4 (21016)	96 (11480)	23.2 (20936)		25.8 (13648)	41.3 (17497)	31 (13828)							R		32.9 (15089)	17.1 (41)		
(outpatient)	2398			R	R	41.4 (804)	41.1 (2211)					27.8 (1478)	41 (2179)	26.5 (1865)	40.4 (1479)			R	41.1 (2155)	42.2 (2199)	97.3 (1396)	42 (2245)		41.3 (1673)	61.1 (1977)	50 (1807)							R		51.0 (1763)	40 (5)		
<i>Acinetobacter</i> spp.	2231					66.3 (682)	66.8 (1855)					41.1 (1463)	59.2 (1983)	45.9 (1725)	64.6 (1228)				70.1 (1951)	68.1 (2008)	93.1 (753)	72.4 (2011)		76.8 (1282)	83.5 (2075)	74.8 (1454)									59.3 (1613)	50 (2)		
<i>Aeromonas hydrophila</i>	1012						77.3 (713)			77 (183)		83.7 (614)	89.7 (747)	81.9 (755)	93.2 (516)		24.7 (377)	80.9 (623)	66.9 (679)	75.5 (705)		92.7 (968)		95 (562)	97.2 (749)	92.8 (638)								83.3 (6)	84.2 (812)	78.2 (78)		
<i>Burkholderia cepacia</i> complex	1108			R	R	R									86.6 (1020)			R		70.6 (1006)	R			64.5 (549)										100 ^a (2)	83.3 (858)			
<i>Burkholderia mallei</i>	17														- ^c																					- ^c		
<i>Burkholderia pseudomallei</i>	2844					96.4 ^a (1259)									97.7 ^a (1981)					98.6 ^a (1888)														85.6 ^a (1571)	95.3 ^a (86)			
<i>Citrobacter freundii</i>	1186			R	R	R	80.1 (1033)		R	R	R	40.9 (193)	63.4 (805)	-	-	-		R	89.8 (1103)	-	91 (1059)		60.3 (1081)			84.5 (882)							86.7 (30)		70.8 (953)	59 (39)		
<i>Enterobacter cloacae</i>	7282			R	R	R	76.6 (6515)		R	R		25.2 (1320)	-	65.6 (5910)	62.4 (5885)	73.3 (4171)		R	86.4 (6660)	-	90.6 (6527)	87.8 (3378)	63.9 (6682)		-	81.9 (5046)							55.1 (107)	100 (6)	71.3 (5659)			
<i>Enterobacter</i> spp.	1421			9.3 (985)	17.7 (1168)	35.6 (323)	79.1 (1081)	2.8 (500)	7 (43)	32.9 (240)	31 (71)	79.4 (557)	64.7 (955)	-	-	-			20.5 (881)	-	92.5 (1167)			72.7 (22)	69.3 (727)	90.3 (1352)							66.7 (3)	74.5 (102)				
<i>Escherichia coli</i> (all isolates)	52498			18.6 (32098)	71.5 (38798)	69.2 (12188)	88.1 (46335)	29.9 (4206)	53 (8145)	51.3 (10631)	56.3 (16)	40.2 (10081)	-	69.6 (41720)	57.4 (43216)	68.6 (29493)			-	-	93.9 (43012)	-	98.8 (24323)	-	44.3 (3650)	39.1 (28881)	96.8 (46841)							97.4 (2194)	77.8 (185)			
(Urine-inpatient)	18322			17.1 (10579)	67.3 (13132)	66 (4287)	84.8 (16189)		50.4 (5076)	46 (3387)	25.4 (1113)	39.3 (3383)	51.1 (10922)	-	-	-			78.7 (7107)	90.7 (16816)	-	91.8 (15954)	98.8 (7808)	30 (16195)	100 (4)	-	68 (11948)							97 (1395)	55.6 (9)	43.3 (14186)		
(Urine-outpatient)	8297			17.8 (5733)	73 (6370)	71.8 (2313)	90.9 (7510)		60 (2176)	56.4 (2116)	32.8 (879)	42.7 (1573)	58.3 (5315)	-	-	-			87 (4305)	96 (7821)	-	96.9 (7496)	98.9 (4261)	30.9 (7667)	-	-	70.7 (6435)							97.9 (479)		45.8 (6973)	29.8 (359)	
<i>Haemophilus influenzae</i> (all isolates)	418			63.9 (349)	85.3 (334)	73.9 (23)	91.3 (46)			91.3 (104)			93.8 (260)	86.7 (45)	92.7 (205)					97.7 (44)	91.4 (140)		94.9 (175)	100 (106)										78.8 (66)	56.5 (294)	39.5 (43)		
(age 0-5 years old)	25			-	-	-	-																															
(age > 5 years old)	287			67.4 (270)	86.7 (225)	73.9 (23)	92.3 (26)			92 (88)			94 (182)	85.2 (27)	92.2 (154)						96.3 (27)	91.9 (62)		94.6 (92)	100 (83)										61.1 (18)	58.7 (240)	42.5 (40)	
(CSF)	2			-	-	-	-																															
(Sterile sites) ^b	55			50.0 (34)	76.2 (42)	100 (2)	93.8 (16)			100 (2)			77.3 (22)	83.3 (18)	90 (40)					93.8 (16)	80.8 (26)		93.9 (33)	100 (13)											75 (4)	62.2 (37)	22.2 (9)	
(Non-sterile sites) ^c	366			65.1 (318)	86.4 (295)	71.4 (21)	87.1 (31)			91.2 (102)			95.0 (240)	88.9 (27)	92.8 (167)						100 (28)	93.1 (116)		95.1 (142)	100 (94)											79 (62)	55.8 (260)	44.1 (34)
<i>Klebsiella aerogenes</i>	1800			R	R	R	77 (1546)		R	R		17.6 (296)	64.2 (1069)	-	-	-			R	-	82.6 (1492)	-	97.1 (891)	-	94.4 (18)	79.5 (1051)	96 (1604)								46.7 (30)	-	86.5 (52)	
<i>Klebsiella oxytoca</i>	944			R	79.9 (686)	82.2 (269)	83.8 (838)	15.2 (105)	21.6 (37)	67.7 (189)	45.8 (72)	36.9 (168)	74.4 (555)	-	-	-				87.8 (467)	90.3 (889)		92.7 (860)		75.8 (864)								88.9 (9)	75 (4)	77.7 (762)			
<i>Klebsiella pneumoniae</i> (all isolates)	42511			R	59.3 (31493)	57.1 (9830)	64.6 (37753)	41.5 (5372)	32.9 (1835)	46.3 (8697)	31.5 (3719)	27.8 (9432)	-	56.3 (33764)	54.6 (35743)	61.6 (23309)				78 (39440)	-	80.8 (37184)	96.1 (18597)	-	57.3 (1272)	53.7 (22173)	-	82.3 (27016)							52.7 (772)	74 (215)		
(ICU)	7601			R	49.8 (6038)	48.5 (1850)	54.8 (6820)	31 (1063)	21.9 (183)	36.2 (1436)	18.1 (525)	18.4 (1968)	43.2 (3707)	-	-	-				66.9 (2976)	-	72.0 (6281)	-	93.5 (3504)	-	49.3 (67)	47.0 (4285)	86.7 (6730)							51.5 (66)	-	45.6 (307)	
(inpatient)	28025			R	56.4 (20300)	53.1 (6456)	61.2 (24876)	39.2 (3800)	31.7 (1358)	41.9 (5510)	26.9 (2219)	28.6 (6038)	50.2 (15233)	-	-	-				70.9 (10182)	75.3 (25903)	-	78.5 (24369)	95.4 (11553)	44.6 (24845)	-	-	80.6 (17547)							48.7 (532)	53.7 (21675)	56.8 (1375)	
(outpatient)	6810			R	71.8 (4982)	68.4 (1896)	78.6 (6144)	63.4 (674)	42.4 (314)	59 (2078)	85.7 (7)	36 (1269)	-	71.8 (5930)	70.9 (5420)	73.1 (4012)				-	-	89.2 (5592)	-	97.3 (3308)	58.7 (6193)	-	-	94.4 (6257)							63.6 (132)	83.3 (18)	68.9 (5827)	
<i>Morganella morganii</i>	2292			R	59.5 (563)	87.8 (2028)		R	R	R		30.7 (401)	69.7 (1426)	-	-	-				47.2 (1173)	97.3 (2113)	-	97.6 (2001)	R	68.1 (2106)	-	-	86.8 (1632)							R	66.7 (3)	72.7 (1777)	
<i>Neisseria meningitidis</i>	2			-	-																																	
<i>Proteus mirabilis</i>	8529			54.4 (4998)	81.4 (6010)	87.1 (1633)	95.1 (7057)	30.4 (97)	29.6 (702)	74.3 (1865)	100.0 (2)	47.7 (1424)	-	92.9 (6572)	85.4 (6545)	88.8 (4157)				60.8 (6288)	-	R	-	77.1 (323)	67.5 (4537)	97.1 (7660)									R			
<i>Proteus vulgaris</i>	813			R	70.8 (513)	84.1 (145)	95.5 (663)		R	R	R	85 (113)	81 (559)	-	-	-				87.6 (403)	97.3 (739)		97.8 (669)	R	80.1 (715)	-	-	91.4 (548)								R	66.7 (32)	
<i>Providencia rettgeri</i>	522			R	64.3 (98)	79.5 (444)		R	R	54.5 (198)	35.9 (128)	31.3 (83)	66.2 (364)	-	-	-				76.4 (292)	-	60.7 (433)	-	R	-	83.3 (12)	64.9 (259)	95 (482)								R	-	67.1 (395)
<i>Providencia stuartii</i>	530			R	71.5 (144)	95.1 (485)		R	R	61.2 (103)	53.1 (32)	26.0 (96)	79.8 (352)	-	-	-				85.9 (277)	-	61.2 (433)	-															

	<i>Salmonella</i> spp.	3502		56.2 (2584)									19.4 (242)	87.7 (1161)	-	-				58.3 (3145)	50.6 ^a (861)													84.8 (2886)											
	<i>Serratia marcescens</i>	1864		R	R	R	92.1 (1159)	R	R	R	R		22.6 (341)	80.2 (1033)	-	-	-	R	95.1 (1748)	-	95.8 (1709)	R	81.6 (1740)	-	-	-	95 (1244)					R	75 (4)	86.7 (1372)											
	<i>Shigella</i> spp.	50		38.5 (39)																					44 (25)																				
Gram negative	<i>Stenotrophomonas maltophilia</i>	5804		R	R	R	R						R	29.2 ^a (1995)	R					R	R	R				88.3 (4869)	R	R	R			R	0 ^a (1)	84.1 (5080)	R										
	<i>Vibrio cholerae</i> (all serotypes)	105		64.1 (78)																														100 (2)	88.9 (90)	97.7 (44)									
	<i>Vibrio cholerae</i> O1	20		-																																									
	<i>Vibrio cholerae</i> non O1, non O139	85		67.7 (62)																															100 (2)	91.8 (73)	97.6 (41)								
	<i>Vibrio parahaemolyticus</i>	308		10.4 (222)	98.6 (69)	100 (14)	96 (50)	0 ^a (2)	0 ^a (2)	40 (10)				89.4 (104)	97 (67)		100 (46)	92.9 (28)		98 (50)	98.2 (55)		76.3 (283)	96.9 (65)	98 (51)	100 (53)	98.3 (59)									95.2 (250)	97.1 (139)								
	<i>Vibrio</i> spp.	189		77.7 (121)	91.5 (130)	87.9 (33)	96.8 (95)	0 ^a (14)	0 ^a (14)	78.1 (32)				87.4 (119)	99.2 (122)		94.9 (79)	78.3 (60)		89.9 (99)	99 (99)		88.4 (172)	100 (5)	95.8 (71)	98.1 (103)	96.8 (94)									88.5 (122)	95.2 (42)								
Gram positive	<i>Enterococcus faecalis</i>	14078	70.6 (5392)	74.2 (3782)	93.9 (13590)				R	R	R	R	R	R	R	R										33.2 ^u (6813)	22.8 (184)	42 ^u (3645)		R	R		64.6 ^h (4379)	98.1 (13733)	98.9 (4039)	96 ^h (1785)	R	13.2 (6727)	98.6 (582)		R	9.2 ^u (4450)			
	<i>Enterococcus faecium</i>	8529	7 (3242)	12.1 (2290)	8.2 (8237)				R	R	R	R	R	R	R	R										2.3 ^u (4652)	4 (125)	4.3 ^u (2317)		R	R		81.8 ^h (2918)	86.1 (8442)	91.8 (2232)		R	3.6 (3872)	26.4 (522)		R	10.1 ^u (2969)			
	<i>Enterococcus</i> spp.	1349	56.4 (619)	77.9 (312)	68.0 (1274)																					38.8 ^u (245)	7.7 (39)	41.4 ^u (99)					90.9 ^h (331)	91 (1227)	96.5 (344)			36.9 (713)	20 (10)			17.2 ^u (157)			
	<i>Staphylococcus aureus</i> (all isolates)	22330	13.6 (1848)	16.7 (8646)														86.3 ^f (20960)								91.1 (12535)	95.6 (45)	94.2 (6230)				95.4 (16160)		99.5 ^h (11607)	99.5 ^h (7389)			89.8 (20441)	86.7 (20613)	100.0 (85)	94.6 (6462)	89.9 (18839)	58.9 (11072)		
	(MRSA)	1780	0 (152)	0 (716)															0 ^f (1887)							43.2 (1249)	-	47.7 (560)				67.2 (1367)		97.8 ^h (1075)	95.9 ^h (627)			34.5 (1678)	27.5 (1710)	95.7 (23)	77.2 (539)	68.7 (1586)	42.7 (777)		
	(MSSA)	17887	14.9 (1381)	18.2 (7963)															94.1 ^f (19316)							96.2 (11313)	97.1 (34)	98.4 (5730)				98 (14430)		99.7 ^h (10522)	99.8 ^h (6817)			94.8 (17298)	92.2 (17376)	100 (233)	96 (5681)	91.2 (15518)	60.1 (10164)		
	(ICU)	2540	13.5 (192)	17.3 (1130)															83.8 ^f (2480)							91.1 (1577)	100 (4)	95.2 (855)				95.4 (1927)		99 ^h (1439)	99.7 ^h (916)			90.4 (2333)	88.0 (2377)	100 (6)	94.1 (861)	92 (270)	62 (1253)		
	(inpatient)	13704	13.8 (1338)	16.4 (5001)															85.9 ^f (12915)							90.6 (7589)	94.4 (18)	93.3 (3594)				95.1 (9904)		99.5 ^h (6936)	99.5 ^h (4410)			89.5 (12637)	86.2 (12789)	100 (45)	94.2 (3953)	89.6 (11609)	59 (6763)		
	(outpatient)	4877	12.7 (332)	16.7 (2318)															85.6 ^f (4789)							91.1 (2990)	100 (4)	94.3 (1839)				95.5 (3515)		99.7 ^h (2685)	99.6 ^h (1871)			89.3 (4625)	86.2 (4660)	100 (24)	95.3 (1725)	92.8 (4217)	58.3 (2263)		
	<i>Staphylococcus</i> , coagulase negative	23427	12.3 (2024)	11.7 (6798)															35.2 ^f (19615)							56.3 (11177)	47.9 (73)	61.1 (4590)				68.3 (15192)		99.2 ^h (12246)	93.9 ^h (5968)			46.2 (20259)	36.1 (20437)	97.7 (172)	88.9 (4908)	64.4 (17746)	58.4 (11250)		
	<i>Staphylococcus</i> , coagulase negative (blood)	17130	13.4 (1368)	12.2 (4551)															35.7 ^f (14324)							56.2 (7634)	0 (3)	59.7 (2838)				68.3 (11404)		99.3 ^h (9166)	93.4 ^h (3846)			44.7 (15144)	34.9 (15240)		89.1 (3106)	63.8 (12840)	60.1 (8314)		
	<i>Streptococcus agalactiae</i>	3033	99.5 (434)	94.7 (1346)	98.2 (1179)																						98.7 (1652)	97.7 (1512)	94.1 (495)						98.4 (2254)			70.7 (2109)	73.8 (2273)		88.6 (1080)				
	<i>Streptococcus</i> , β-hemolytic not Group A,B	2213	89.8 (293)	90.5 (832)	93.4 (806)																						95.6 (1286)	94.7 (1207)	88.4 (277)						97.8 (1704)			80.9 (1732)	75.6 (1953)		83.6 (737)				
	<i>Streptococcus pyogenes</i>	3911	99.8 (407)	94.2 (1613)	95.8 (1715)																						98.6 (2209)	98.5 (2275)	91.9 (468)						97.7 (3001)			90.8 (3347)	90.8 (3542)		91.2 (1610)				
	<i>Streptococcus pneumoniae</i> (all isolates)	1557	61.8 ^d (387)	36 (820)		92.4 ^e (198)																																				85.2 (718)	40.6 (1006)	25.3 (643)	
	(age 0-5 years old)	159	55.2 ^d (29)	32.7 (98)		93.9 ^e (49)																						81.1 ^d (37)	83.8 ^e (37)							97.1 (139)			68.9 (132)	41.4 (133)		80 (75)	37.6 (117)	25 (68)	
	(age > 5 years old)	1132	63.4 ^d (303)	34.9 (607)		92 ^e (150)																						50.8 ^d (118)	61.9 ^e (118)							97.3 (599)			66.9 (975)	48.3 (997)		82.3 (417)	43 (761)	23.3 (360)	
	(Sterile sites) ^b	470	78.9 ^d (109)	47.3 (256)		93.8 ^e (32)																						75.9 ^d (29)	79.3 ^e (29)							98.9 (411)			70.0 (383)	55.7 (406)		87.9 (232)	43.3 (291)	33.6 (211)	
	(Non-sterile sites) ^c	1136	56.2 ^d (292)	32.1 (589)		91.9 ^e (172)																							55.0 ^d (131)	64.9 ^e (131)							97.5 (686)			66.6 (979)	46.0 (1012)		85 (513)	39.5 (746)	23 (457)
	(Meningitis: by E-test)	18																																											
	(Nonmeningitis: by E-test)	1551																																											

^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

^h : High-Level Aminoglycoside

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

R : Intrinsic resistance

%S 
 >=90 80-89 70-79 50-69 <50