Percentage of susceptible Organisms Isolated From All Specimen, 79 hospitals, Jan - Mar 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)	CEFAZOLIN (U)	CEFUROXIME SODIUM (parenteral)	CEFUROXIME SODIUM (Oral)	CEFOPERAZONE / SULBACTAM [a]	CEFOTAXIME	CEFOTAXIME BY MIC	CEFTAZIDIME	CEFTAZIDIME BY MIC	CEFTRIAXONE	CEFTRIAXONE BY MIC	CEFEPIME	OXACILLIN	CEFOXITIN	ERTAPENEM	IMIPENEM	MEROPENEM	COLISTIN BY MIC	CIPROFLOXACIN	CIPROFLOXACIN BY MIC	LEVOFLOXACIN	AMIKACIN	GENTAMICIN	GENTAMICIN 120 µg	VANCOMYCIN	VANCOMYCIN BY MIC	TEICOPLANIN	FOSFOMYCIN	CLINDAMYCIN	CLINDAMYCIN BY MIC	ERYTHROMYCIN	ERYTHROMYCIN BY MIC	NITROFURANTOIN (U)	CHLORAMPHENICOL	CO-TRIMOXAZOLE	TETRACYCLINE
Gram negative	*Acinetobacter calcoaceticus-baumannii* complex	11674			R	R	28.7 (2286)	25.6 (7336)						7.5 (3617)	11.8 (1338)	26.5 (8649)	20.7 (1649)	7.3 (4125)	13.6 (1143)	30.4 (1097)			R	26.9 (7248)	28 (8377)	95.3 (1399)	28.4 (8222)		31.4 (4459)	44.9 (8515)	36.8 (7490)					R						R	40.6 (6395)	17.2 [u] (58)
	(ICU)	1935			R	R	21.9 (260)	17.2 (1229)						5.8 (570)	6.7 (375)	20 (1437)	12.5 (433)	5.4 (710)	6.6 (351)	20.2 (203)			R	18.5 (1234)	20.9 (1409)	94.2 (380)	22 (1366)		25.1 (951)	38.7 (1394)	30.4 (1281)					R						R	35.1 (1061)	- [u]
	(inpatient)	5947			R	R	34.8 (846)	24.5 (3716)						7.4 (1601)	9.9 (730)	26.9 (4396)	19.9 (861)	8 (1917)	13.1 (611)	28.6 (419)			R	27.6 (3403)	28.4 (4229)	94.3 (720)	28.8 (4116)		32.1 (2257)	45.7 (4265)	37.8 (3595)					R						R	40.4 (3201)	- [u]
	(outpatient)	414			R	R	50 (52)	51.5 (237)						17.8 (118)	17.3 (52)	50.8 (305)	37.5 (64)	16.1 (149)	21.3 (47)	36.8 (68)			R	56.6 (205)	55.8 (265)	93.3 (60)	51.5 (268)		52.5 (139)	65 (300)	59.4 (234)					R						R	61.1 (226)	- [u]
	Acinetobacter spp.	1202					60.8 (212)	50.1 (786)						22.5 (552)	52.2 (69)	51.7 (913)	59.5 (84)	34.9 (384)	52.5 (61)	37.9 (211)				51.6 (800)	53 (890)	95.2 (63)	55.5 (890)		61.2 (474)	61.9 (915)	53.3 (824)												52.1 (769)	- [u]
	Aeromonas hydrophila	292						88.8 (134)			71.4 (49)			83 (165)	91.2 (34)	87 (146)	90.6 (53)	81.6 (136)	81.8 (44)	-		31.1 (61)	65.9 (91)	59.2 (120)	86.9 (130)		90.9 (176)		89.8 (59)	98.2 (165)	95.4 (173)									-	84.4 (199)	72.7 (33)
	Burkholderia cepacia complex	207			R	R	R	R						R [r]	R [r]	93.1 (144)	88 (50)	R [r]	R [r]	R			R	R [r]	93.7 (142)	R			- [e]	R [r]	R [r]	R [r]				R					- [e]	94 (133)	
	Burkholderia pseudomallei	425				- [e]											95.7 (92)							94.3 [e] (53)																	- [e]	- [e]
	Citrobacter freundii	416			R	R	R	80.7 (218)	R	R	R	R	82.6 (149)	67 (276)	54 (50)	70.5 (305)	53.6 (56)	67.7 (186)	50 (40)	75.8 (66)		R	92.7 (234)	90.8 (240)	93.2 (292)		65.3 (285)		79.5 (122)	99.4 (309)	84.3 (268)									-	-	71.4 (276)	-
	Enterobacter cloacae	2291			R	R	R	81.7 (1325)	R	R			80.9 (1039)	61.5 (1333)	61.2 (232)	65.7 (1636)	60.6 (327)	64.7 (1147)	68.1 (210)	74.7 (297)		R	91.5 (1131)	92.4 (1365)	94.2 (1562)	90.2 wr (264)	68.5 (1561)		84.8 (566)	96.6 (1641)	81.1 (1529)									-	-	70.9 (1415)	-
	Enterobacter spp.	1002			4.7 (548)	9.2 (534)	40 (135)	85 (661)	10.1 (158)	20.5 (44)	43.3 (282)	-	86 (457)	67.2 (595)	61.8 (89)	72.6 (749)	71 (93)	68.7 (575)	59.4 (69)	85.1 (175)		15.9 (239)	91.6 (514)	89 (543)	96 (679)		73.1 (673)		88.8 (409)	96.7 (754)	85.7 (679)									-	-	76.1 (689)	-
	Escherichia coli (all isolates)	22708			14.4 (12394)	67.2 (13614)	60.2 (3255)	91.2 (14219)	32.1 (3406)	52.7 (4520)	53.2 (5327)	-	90.1 (10120)	55.8 (14344)	52.6 (2213)	66.2 (17179)	58.6 (2875)	57.1 (12290)	52 (1905)	59.4 (2917)		89.7 (5974)	96.5 (11361)	96.7 (14042)	97 (15987)	97.6 wr (2156)	38.3 (15454)		46 (5730)	98.4 (16922)	66.1 (15811)								94.1 (908)	79.5 (44)	44.1 (15710)	41.5 (335)
	(Urine-inpatient)	5419			13.9 (3057)	65.3 (3301)	55 (758)	89 (3100)		49.5 (1919)	47.9 (1137)	-	88.8 (2092)	50.8 (3191)	45.9 (562)	62.1 (4115)	60.5 (588)	52.1 (2971)	42.4 (486)	55.2 (674)		88 (975)	95.4 (2686)	95.9 (3240)	96.2 (3788)	99.1 wr (421)	33.4 (3670)		41.1 (1598)	98.2 (3977)	64 (3692)				98.3 (955)				95.5 (352)	-	42.4 (4052)	33.6 (131)
	(Urine-outpatient)	2244			14.5 (1318)	68.9 (1559)	59.3 (246)	94.3 (1507)		58.9 (757)	57 (661)	-	93 (960)	59.8 (1464)	48.9 (225)	69.4 (1809)	66.7 (249)	60.2 (1320)	48.4 (215)	63.3 (365)		90.2 (697)	98.1 (1162)	99 (1402)	98.9 (1661)	97.0 wr (168)	30.1 (1673)		36.4 (621)	98.7 (1704)	63.2 (1683)				99.1 (343)				91.4 (174)	-	43.2 (1716)	42.4 (66)
	Haemophilus influenzae (all isolates)	780			57.8 (696)	90.8 (566)	90.6 (106)	96.4 (55)			87 (131)			97.5 (596)	-	94.2 (156)	-	97.2 (432)						98.4 (127)	98.7 (313)		96.6 (418)		98.8 (170)											87.7 (276)	44.5 (650)	72.4 (239)
	(age 0-5 years old)	100			44.9 (89)	88.3 (77)	-	-			-			97.3 (74)	-	-	-	100 (64)						-	97.6 (42)		98.1 (52)		-											97.7 (43)	36.9 (84)	81.6 (38)
	(age > 5 years old)	663			58.9 (591)	91.3 (473)	91.6 (95)	97.8 (46)			86.7 (113)			97.6 (508)	-	94 (134)	-	96.7 (366)						98.2 (111)	99.2 (253)		98.6 (363)		98.5 (132)											85.8 (232)	45.6 (563)	71 (200)
	(Sterile sites) [b]	68			50 (60)	83.3 (48)	-	-			-			100 (48)	-	-	-	97.9 (48)						-	97.6 (41)		100 (32)		-											-	55.6 (54)	-
	(Non-sterile sites) [c]	718			58.3 (641)	91.6 (523)	90.5 (95)	96.1 (51)			86 (121)			97.3 (553)	-	93.6 (141)	-	97.2 (390)						98.1 (107)	98.9 (275)		98.5 (389)		98.7 (157)											87.5 (256)	43.8 (601)	71.9 (224)
	Klebsiella aerogenes	733			R	R	R	82.5 (406)	R	R			84.9 (251)	65.5 (461)	62.3 (61)	69 (529)	63.1 (84)	65.2 (399)	68.5 (73)	75 (72)		R	93.5 (325)	88.1 (427)	93.1 (447)	95.9 wr (74)	67.9 (464)		83.7 (147)	97.7 (529)	85.5 (461)									-	-	76.8 (492)	-
	Klebsiella oxytoca	323			1.4 (142)	88.5 (200)	-	90.3 (185)	35.6 (73)	-	81.8 (66)	-	89 (145)	80.4 (189)	82.4 (34)	82.9 (245)	77.8 (45)	81 (163)	76.7 (30)	91.1 (45)		91.7 (84)	94.9 (178)	94.3 (174)	95.3 (214)	[d]	70 (200)		77.6 (67)	96.6 (233)	88.4 (207)									-	-	76.6 (214)	-
	Klebsiella pneumoniae (all isolates)	16409			R	60.9 (9887)	51.8 (2618)	72.1 (10096)	49.6 (3561)	41.2 (1263)	55.4 (4016)	-	71.4 (7265)	55.7 (10151)	56.4 (1477)	58.9 (12231)	51.4 (2072)	58.2 (9144)	60.10 (1372)	64.1 (2093)		77.3 (4367)	85 (8536)	86.4 (9862)	85.7 (11508)	95.9 wr (1503)	49.1 (11416)		66.2 (4771)	93 (12133)	81 (11114)								48.9 (270)	-	58.9 (10909)	52 (100)
	(ICU)	1585			R	50.4 (1097)	46.4 (224)	64.4 (1035)	38.3 (366)	30.9 (55)	43.1 (325)	-	60.9 (796)	45.2 (885)	41.7 (192)	46.2 (1225)	48.8 (213)	46.3 (1095)	50.3 (153)	64.6 (189)		69.8 (248)	79.3 (970)	80.1 (993)	79.2 (1153)	94.9 wr (137)	46 (1176)		61.1 (702)	89.8 (1216)	74.4 (1154)								-	-	49.9 (1080)	-
	(inpatient)	7840			R	58.5 (4872)	52 (1131)	69.7 (4489)	48.7 (1565)	39.1 (576)	54.9 (1872)	-	69.7 (3223)	53.4 (4378)	55 (838)	56.8 (5708)	60 (1006)	56.7 (4224)	58.9 (762)	62.9 (1006)		76 (1644)	85.3 (3842)	86.3 (4412)	85.9 (5430)	94.6 wr (630)	48.7 (5560)		65.8 (2625)	93.5 (5725)	81 (5006)								44.6 (92)	-	57.8 (5072)	47.5 (61)
	(outpatient)	1509			R	69.1 (997)	58.4 (161)	79.9 (930)	63.6 (258)	50.7 (146)	64.3 (493)	-	80.3 (620)	66.9 (896)	68.6 (159)	71.7 (1086)	73.4 (207)	71.6 (820)	75.3 (170)	70.7 (263)		80.6 (541)	89.1 (764)	91.1 (779)	90.7 (1033)	97.7 wr (133)	54.6 (1018)		70.4 (463)	95.1 (1069)	85.1 (981)								50 (46)	-	67.7 (1003)	-
	Morganella morganii	695			R	R	42.2 (90)	98.7 (395)	R	R	R	R	96.9 (257)	85.3 (443)	57.1 (70)	90.3 (504)	69.4 (108)	93 (357)	79.5 (78)	83.3 (96)		56.7 (238)	99.4 (356)	65.7 (408)	98.9 (462)	R	72 (472)		85.1 (181)	99.6 (506)	86.1 (459)								R	-	72.5 (483)	-
	Proteus mirabilis	2929			54.1 (1647)	86.2 (1812)	80.3 (488)	90.8 (1855)	34.9 (547)	73.1 (424)	81.7 (868)	-	98.8 (1296)	85.5 (1906)	73.9 (261)	94.1 (2263)	69.5 (380)	86.5 (1603)	80.8 (214)	87.7 (489)		96.5 (830)	99.2 (1445)	87.9 (1854)	99 (2056)	R	68.6 (2113)		76.9 (772)	99.6 (2276)	82.5 (2073)								R	-	58.2 (2038)	R
	Proteus vulgaris	429			R	67.8 (276)	72.6 (62)	98.2 (277)	R	R	R	R	97.4 (192)	88.8 (322)	-	94.4 (355)	77.1 (35)	93 (258)	-	98.2 (55)		86.1 (122)	99.2 (251)	81.2 (250)	100 (325)	R	76.1 (318)		83.1 (136)	99.4 (359)	92.1 (331)								R	-	75.8 (318)	R
	Providencia rettgeri	164			R	R	-	95.8 (96)	R	R	66 (50)	-	93.2 (59)	76.9 (108)	-	84 (119)	-	82 (89)	-	-		88.2 (51)	98.9 (89)	83 (100)	98.2 (114)	R	71.8 (110)		90.9 (44)	99.2 (119)	87.9 (116)								R	-	70.9 (117)	R
	Providencia stuartii	98			R	R	-	95.1 (61)	R	R	-	-	83.7 (43)	77 (61)	-	78.1 (64)	-	82 (50)	-	-		-	96.8 (31)	90.3 (62)	98.4 (64)	R	55.1 (69)		-	100 (65)	85.2 (61)								R	-	74.8 (63)	R
	Providencia spp.	78			27.5 (40)	16.7 (42)	-	94.1 (51)	-	-	80 (30)	-	90.6 (32)	81.8 (55)	-	86.7 (60)	-	90.2 (41)	-	-		-	97.5 (40)	88.2 (51)	98.1 (52)		63.6 (55)		-	100 (57)	90.6 (53)								-	-	75 (60)	-

Gram negative	*Pseudomonas aeruginosa*	9605			R	R	R	81.1 (6981)						R	R	79.6 (7439)	71.4 (1135)	R	R	80.6 (1430)			R	78.1 (6193)	79.3 (6906)	97.2 (929)	79.5 (7101)		72.7 (3249)	90.6 (7383)	84.5 (6618)											R	R	R
	Salmonella spp.	1485			47.5 (1117)								96.8 (155)	88.8 (446)	88.4 (86)	86.9 (244)	85 (100)	90.6 (520)	88.2 (76)								69.9 (953)	36.7 (98)	- [a]													92.1 (304)	87.4 (1229)	
	Serratia marcescens	385			R	R	R	98.4 (185)	R	R	R	R	97.1 (139)	92.3 (209)	82.8 (64)	91 (244)	80 (85)	87.5 (176)	89.1 (64)	97.8 (45)		R	98.5 (195)	97.4 (196)	99.2 (236)	R	91.8 (220)		95.5 (88)	-	96.6 (232)										R	-	92.8 (207)	-
	Shigella spp.	39			-																						-		-														21.2 (33)	
	Stenotrophomonas maltophilia	1743			R	R	R	R						R	R		40.5 (148)	R	R				R	R	R				93 (1053)	R	R	R				R						- [e]	96.5 (1327)	R
	Vibrio cholerae (all serotypes)	41			-																																					-	91.9 (37)	-
	Vibrio cholerae non O1, non O139	38			-																																					-	94.3 (35)	-
	Vibrio parahaemolyticus	200			1.5 (130)	-	-	-	- [e]	- [e]	-			89.7 (58)	-	-	-			-		-		-	-		68.7 (134)	-	-	-	-												98.8 (160)	100 (100)
	Vibrio spp.	59			63.3 (30)	-	-	-	- [e]	- [e]	-			-	-	-	-			-		-		-	-		83.9 (31)	-	-	-	-												100 (34)	-
Gram positive	*Enterococcus faecalis*	5319	70.1 (3219)	66.3 (612)	95 (4230)				R	R	R	R	R	R	R	R	R	R	R	R							26.6 [u] (1027)	31.3 [u] (335)	33.1 [u] (821)	R	R	49.5 [h] (1202)	98.9 (4321)	99.9 (718)	99.2 (259)	93.3 [u] (1042)	R	R	16.8 (814)	7.2 (503)	97 (135)		R	7.3 [u] (724)
	Enterococcus faecium	2804	8.1 (1673)	6.1 (342)	8.2 (2172)				R	R	R	R	R	R	R	R	R	R	R	R							3.0 [u] (536)	2.6 [u] (232)	8.2 [u] (441)	R	R	69.6 [h] (711)	90 (2227)	84.4 (411)	87.4 (167)		R	R	6.2 (369)	2.4 (296)	18 (100)		R	7.3 [u] (384)
	Enterococcus spp.	1047	49.2 (516)	66 (47)	62.5 (658)																						13.5 [u] (89)	- [u]	33.9 [u] (121)			59.6 [h] (329)	94.3 (661)	82 (50)	-				36.2 (127)	32.7 (49)	60.6 (66)			13.2 [u] (159)
	Staphylococcus aureus (all isolates)	8768	8.3 (2511)	11.4 (974)																	90.5 [f] (2114)						89.8 (2076)	91.1 (1004)	90.9 (1094)		95.2 (4834)			99.6 (1561)	- [e]		87.7 (6132)	87.9 (1359)	84.6 (5751)	85.6 (1365)	-	95.4 (871)	97.9 (6109)	63.5 (1785)
	(MRSA)	211	0 (90)	-																	0 [f] (211)						20.9 (67)	-	60 (35)		52.8 (144)			-	- [e]		17.3 (185)	-	10.8 (185)	-	-	-	83.9 (168)	65.9 (44)
	(MSSA)	1944	11 (799)	-																	100 [f] (1944)						94.6 (497)	-	98 (245)		98.9 (1091)			-	- [e]		93.6 (1693)	-	92.5 (1699)	-	-	100 (33)	99.6 (1641)	58.1 (258)
	(ICU)	600	10 (120)	16.5 (103)																	91 [f] (100)						87.7 (130)	93.7 (111)	84.5 (84)		94.7 (360)			100 (149)	- [e]		89.7 (409)	95.3 (129)	85.2 (431)	89.3 (131)	-	95.2 (62)	97.3 (448)	60.3 (146)
	(inpatient)	4368	6.8 (1005)	9.8 (574)																	91 [f] (1065)						87.5 (1015)	89.1 (548)	88.5 (279)		94.6 (2636)			99.5 (821)	- [e]		87.4 (3049)	86.5 (762)	84.1 (2919)	83.6 (766)	-	95.5 (312)	98.4 (3177)	65.1 (737)
	(outpatient)	1038	7.7 (287)	9.9 (111)																	92.6 [f] (243)						91.9 (284)	93.8 (113)	97.4 (151)		96.4 (580)			98.9 (183)	- [e]		89.7 (780)	84.4 (173)	87 (794)	84.7 (177)	-	96.9 (191)	97.4 (799)	64 (303)
	Staphylococcus, coagulase negative	11548	10.8 (2463)	15.4 (609)																	40.2 [f] (1947)						59.7 (1829)	59.5 (617)	59.5 (899)		69.9 (4136)			98.9 (1061)	- [e]		46.9 (5304)	46 (917)	37.5 (4987)	34 (923)	-	87.7 (767)	66.2 (5251)	58.3 (1364)
	Staphylococcus, coagulase negative (blood)	6856	11.8 (1512)	16.3 (392)																	41.8 [f] (1255)						61.6 (1173)	57.7 (381)	57.5 (510)		68.9 (2762)			99.2 (716)	- [e]		47 (3657)	43.8 (632)	37.1 (3558)	33 (636)		88.3 (377)	64.9 (3451)	61.8 (823)
	Streptococcus agalactiae	974	98.2 (757)	99 (101)	96.9 (262)									98.9 (354)	98.8 (80)			98.3 (344)	96.6 (59)	100 (35)									98.2 (329)				99.1 (579)				73 (534)	81.7 (82)	78.8 (590)	72.3 (94)		91.2 (193)		
	Streptococcus, β-hemolytic not Group A,B	591	85.8 (401)	91.4 (58)	85.7 (133)									98.2 (227)	100 (42)			98.4 (186)	97.4 (39)	-									95.6 (182)				97 (335)				83.1 (343)	89.8 (59)	79.4 (394)	77.8 (63)		95.4 (87)		
	Streptococcus pyogenes	803	99.1 (677)	94.8 (58)	98.3 (288)									99.7 (292)	97.9 (47)			99.5 (367)	97.7 (44)	100 (46)									100 (261)				99.5 (562)				90.3 (556)	93.3 (45)	85.3 (599)	87.1 (62)		88.8 (206)		
	Streptococcus pneumoniae (all isolates)	1363	70.8 [d] (171)	42.5 (388)		- [e]					- [e]	- [e]																	99 (594)				99.9 (1021)				70.8 (965)	69.2 (117)	61.7 (1077)	57.3 (143)		89.5 (315)	48.1 (850)	32.8 (345)
	(age 0-5 years old)	139	- [d]	32.6 (43)		- [e]					- [e]	- [e]																	98 (49)				100 (98)				66.3 (101)	-	49.5 (107)	-		-	30.6 (85)	36.4 (33)
	(age > 5 years old)	1166	72.1 [d] (154)	43.3 (319)		- [e]					- [e]	- [e]																	99.2 (533)				99.9 (904)				71.2 (852)	74.6 (71)	63.5 (950)	62.8 (94)		89.2 (288)	50.1 (754)	32.4 (309)
	(Sterile sites) [b]	526	63.3 [d] (60)	51.5 (163)		- [e]					- [e]	- [e]																	99.5 (188)				100 (362)				74.1 (347)	63.2 (57)	68.5 (394)	57.5 (73)		92.7 (110)	54 (337)	33.1 (127)
	(Non-sterile sites) [c]	910	76.2 [d] (126)	36.9 (236)		- [e]					- [e]	- [e]																	98.9 (437)				99.9 (717)				69 (575)	77.3 (66)	58.3 (750)	60.5 (76)		87.4 (223)	44.9 (557)	33.8 (237)
	(Meningitis: by E-test)	-		-		- [e]									-				-	- [e]																								
	(Nonmeningitis: by E-test)	1358		95.3 (384)		- [e]									92.5 (160)				93.2 (118)	- [e]																								

[a] : No CLSI Interpretive Criteria. Interprete according to cefoperazone/sulbactam in *Enterobacteriaceae*

[b] : Blood, Pleural Fluid

[c] : Sputum, Ear, Sinus

[d] : Interprete according to oxacillin susceptibility test

[e] : MIC Interpretive Criteria

[f] : Interprete according to cefoxitin susceptibility test

[h] : High-Level Aminoglycoside

[u] : Urine, Urine Catheter, Urine Clean- Voided

[WT] : Wild-type

R : Intrinsic resistance

[r] : Listed as resistance in previous editions of M100 cannot be comfirmed

%S	≥ 90	80-89	70-79	50-69	< 50