

**PERCENT SUSCEPTIBLE OF COMMON GRAM-POSITIVE PATHOGENS
COMPARATIVE DATA FOR OUT-, IN- AND ICU- ISOLATES**

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	β-LACTAM		QUINOLONE		GENTAMICIN	GLYCOPEPTIDE		MISCELLANEOUS						
		OXACILLIN ^b	PENICILLIN	LEVOFLOXACIN ^d	OFLOXACIN		TEICoplanin	VANCOMYCIN	CHLORAMPHENICOL	CLINDAMYCIN	ERYTHROMYCIN	POSFOMYCIN	FUSIDIC ACID	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
Methicillin-susceptible <i>Staphylococcus</i> coagulase positive (MSSA)	Total	100	-	-	-	99	100	100	-	88	88	99	100	63	98
	1201	(1201)				(1196)	(1198)	(1201)		(1032)	(1198)	(1198)	(1198)	(892)	(1198)
	Out-patient	100	-	-	-	98	99	100	-	90	90	99	100	61	98
	494	(494)				(494)	(494)	(494)		(429)	(494)	(494)	(494)	(367)	(494)
	In-patient	100	-	-	-	99	100	100	-	86	86	99	100	66	98
568	(568)				(566)	(568)	(568)		(489)	(568)	(568)	(568)	(430)	(568)	
ICU	100	-	-	-	100	100	100	-	86	89	98	98	53	98	
129	(129)				(129)	(129)	(129)		(108)	(129)	(129)	(129)	(89)	(129)	
Methicillin-resistant <i>Staphylococcus</i> coagulase positive (MRSA)	Total	0	-	-	-	7	100	100	-	1	1	89	97	6	12
	811	(811)				(810)	(811)	(811)		(728)	(811)	(810)	(810)	(593)	(811)
	Out-patient	0	-	-	-	13	99	100	-	4	2	97	96	7	11
	91	(91)				(91)	(91)	(91)		(84)	(91)	(91)	(91)	(67)	(91)
	In-patient	0	-	-	-	7	100	100	-	1	1	89	97	5	13
579	(579)				(578)	(579)	(579)		(520)	(579)	(578)	(578)	(425)	(579)	
ICU	0	-	-	-	4	100	100	-	1	1	85	96	7	9	
140	(140)				(140)	(140)	(140)		(123)	(140)	(140)	(140)	(100)	(140)	
Methicillin-susceptible Coagulase negative <i>Staphylococcus</i> (MSCoNS)	Total	100	-	-	-	96	99	100	-	78	72	76	84	63	89
	377	(377)				(375)	(377)	(377)		(332)	(377)	(377)	(376)	(285)	(377)
	Out-patient	100	-	-	-	98	99	100	-	83	74	75	86	61	90
	182	(182)				(181)	(182)	(182)		(157)	(182)	(181)	(139)	(139)	(182)
	In-patient	100	-	-	-	93	100	100	-	71	68	76	86	65	86
174	(174)				(173)	(174)	(174)		(156)	(174)	(174)	(174)	(131)	(174)	
ICU	100	-	-	-	100	94	100	-	79	75	69	88	55	100	
16	(16)				(16)	(16)	(16)		(14)	(16)	(16)	(16)	(11)	(16)	
Methicillin-resistant Coagulase negative <i>Staphylococcus</i> (MRCoNS)	Total	0	-	-	-	45	99	100	-	27	15	74	58	59	33
	719	(719)				(718)	(719)	(719)		(646)	(719)	(719)	(719)	(536)	(719)
	Out-patient	0	-	-	-	66	98	100	-	49	27	81	71	50	47
	186	(186)				(186)	(186)	(186)		(170)	(186)	(186)	(186)	(143)	(186)
	In-patient	0	-	-	-	39	99	100	-	20	12	73	55	69	28
405	(405)				(405)	(405)	(405)		(364)	(405)	(405)	(405)	(284)	(405)	
ICU	0	-	-	-	31	98	100	-	14	6	66	49	66	29	
125	(125)				(124)	(125)	(125)		(110)	(125)	(125)	(125)	(95)	(125)	

**PERCENT SUSCEPTIBLE OF COMMON GRAM-POSITIVE PATHOGENS
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PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	β-LACTAM		QUINOLONE		GENTAMICIN	GLYCOPEPTIDE		MISCELLANEOUS						
		OXACILLIN ^b	PENICILLIN	LEVOFLOXACIN ⁴	OFLOXACIN		TEICoplanin	VANCOMYCIN	CHLORAMPHENICOL	CLINDAMYCIN	ERYTHROMYCIN	FOSFOMYCIN	FUSIDIC ACID	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Streptococcus</i> group A	Total	-	100	98	100	-	-	100	85	-	90	-	-	6	-
	67		(67)	(43)	(24)			(67)	(67)		(67)			(67)	
	Out-patient	-	100	96	100	-	-	100	85	-	85	-	-	7	-
	41		(41)	(27)	(14)			(41)	(41)		(41)			(41)	
	In-patient	-	100	100	100	-	-	100	95	-	95	-	-	5	-
20		(20)	(15)	(5)			(20)	(20)		(20)			(20)		
ICU	-	100	-	67	-	-	100	100	-	100	-	-	0	-	
3		(3)		(3)			(3)	(3)		(3)			(3)		
<i>Streptococcus</i> group B	Total	-	100	99	95	-	-	100	97	-	93	-	-	4	-
	204		(204)	(148)	(55)			(204)	(204)		(204)			(204)	
	Out-patient	-	100	99	98	-	-	100	96	-	93	-	-	3	-
	153		(153)	(111)	(41)			(153)	(153)		(153)			(153)	
	In-patient	-	100	100	91	-	-	100	98	-	90	-	-	8	-
40		(40)	(29)	(11)			(40)	(40)		(40)			(40)		
ICU	-	100	100	67	-	-	100	100	-	100	-	-	0	-	
5		(5)	(2)	(3)			(5)	(5)		(5)			(5)		
<i>Streptococcus pneumoniae</i>	Total	-	23	100	96	-	-	100	75	-	44	-	-	31	23
	193		(189)	(137)	(54)			(192)	(192)		(192)			(192)	(141)
	Out-patient	-	26	100	96	-	-	100	73	-	49	-	-	36	21
	92		(90)	(65)	(26)			(92)	(92)		(92)			(92)	(68)
	In-patient	-	20	100	95	-	-	100	78	-	41	-	-	28	26
82		(81)	(61)	(21)			(82)	(82)		(82)			(82)	(62)	
ICU	-	22	100	100	-	-	100	67	-	28	-	-	22	27	
19		(19)	(11)	(7)			(19)	(19)		(19)			(19)	(19)	
<i>Enterococcus</i> species	Total	-	58	42	-	48 ^f	100	100	80	-	13	87	-	13	-
	1040		(1040)	(762)		(1019)	(1021)	(1040)	(1031)		(1040)	(1001)		(1040)	
	Out-patient	-	81	59	-	66 ^f	100	100	75	-	16	92	-	15	-
	201		(201)	(144)		(200)	(196)	(201)	(199)		(201)	(196)		(201)	
	In-patient	-	54	39	-	45 ^f	100	100	81	-	13	87	-	12	-
658		(658)	(480)		(645)	(648)	(658)	(653)		(658)	(633)		(658)		
ICU	-	53	49	-	44 ^f	100	99	82	-	14	67	-	14	-	
139		(139)	(86)		(137)	(139)	(139)	(138)		(138)	(133)		(139)		

This report was obtained from routine laboratory result of Microbiology Laboratory, Department of Pathology, Ramathibodi Hospital.

- () = Number tested
1 = Susceptible only (not include intermediate susceptible)
4 = Levofloxacin was temporarily tested during the shortage of ofloxacin.
f = High level gentamicin were used.

The results can apply to:

- b oxacillin, methicillin, cloxacillin, and dicloxacillin
e all tetracyclines, doxycycline and minocycline

**PERCENT SUSCEPTIBLE OF COMMON GRAM-NEGATIVE PATHOGENS,
COMPARATIVE DATA FOR OUT-, IN- AND ICU- ISOLATES**

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM														QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS			
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Acinetobacter baumannii</i>	Total	-	-	33	3	58	-	-	30	-	-	38	36	-	33	31	-	-	-	36	37	58	-	-	-
	1072			(1070)	(1072)	(1050)			(1071)			(1072)	(852)		(1069)	(1072)				(1072)	(1072)	(1072)			
	Out-Patient	-	-	73	9	81	-	-	73	-	-	80	81	-	73	72	-	-	-	81	74	88	-	-	-
	81			(81)	(81)	(80)			(81)			(81)	(67)		(81)	(81)				(81)	(81)	(81)			
	In-Patient	-	-	35	3	60	-	-	32	-	-	41	39	-	36	33	-	-	-	37	40	60	-	-	-
611			(609)	(611)	(597)			(610)			(611)	(487)		(609)	(611)				(611)	(611)	(611)				
ICU	-	-	22	1	51	-	-	18	-	-	22	22	-	18	17	-	-	-	24	23	47	-	-	-	
371			(371)	(371)	(366)			(371)			(371)	(290)		(370)	(371)				(371)	(371)	(371)				
<i>Acinetobacter anitratus</i>	Total	-	-	89	55	100	-	-	86	-	-	89	86	-	81	81	-	-	-	86	90	97	-	-	69
	29			(27)	(29)	(27)			(29)			(27)	(21)		(27)	(27)				(29)	(29)	(29)			(26)
	Out-Patient	-	-	100	100	100	-	-	100	-	-	100	100	-	100	100	-	-	-	100	100	100	-	-	33
	6			(6)	(6)	(6)			(6)			(6)	(5)		(6)	(6)				(6)	(6)	(6)			(6)
	In-Patient	-	-	89	45	100	-	-	90	-	-	89	85	-	78	78	-	-	-	85	90	95	-	-	78
20			(18)	(20)	(18)			(20)			(18)	(13)		(18)	(18)				(20)	(20)	(20)			(18)	
ICU	-	-	50	0	100	-	-	0	-	-	50	50	-	50	50	-	-	-	50	50	100	-	-	100	
2			(2)	(2)	(2)			(2)			(2)	(2)		(2)	(2)				(2)	(2)	(2)			(1)	
<i>Acinetobacter lwoffii</i>	Total	48	74	27	55	-	62	63	72	63	22	42	41	-	44	39	44	86	73	63	93	-	-	54	
	94	(94)	(94)	(33)	(94)		(94)	(94)	(94)	(94)	(94)	(33)	(29)		(34)	(33)	(25)		(69)	(94)	(94)	(94)			(94)
	Out-Patient	100	100	-	71	-	86	100	100	100	29	-	-	-	-	-	100	-	100	100	100	100	-	-	86
	7	(7)	(7)		(7)		(7)	(7)	(7)	(7)	(7)					(1)		(6)	(7)	(7)	(7)			(7)	
	In-Patient	47	77	33	58	-	61	61	76	63	24	43	40	-	45	33	56	-	83	73	61	92	-	-	58
62	(62)	(62)	(21)	(62)		(62)	(62)	(62)	(62)	(62)	(21)	(20)		(22)	(21)	(16)		(46)	(62)	(62)	(62)			(62)	
ICU	25	50	20	25	-	44	44	44	38	6	30	29	-	30	50	14	-	78	63	44	94	-	-	25	
16	(16)	(16)	(10)	(16)		(16)	(16)	(16)	(16)	(16)	(10)	(7)		(10)	(10)	(7)		(9)	(16)	(16)	(16)			(16)	

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM													QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS				
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Aeromonas hydrophila</i>	Total	0	30	-	87	-	35	86	92	82	17	-	-	-	-	100	-	97	99	94	99	-	-	86	
	83	(83)	(83)		(83)		(83)	(83)	(83)	(83)	(83)					(16)		(69)	(83)	(83)	(83)			(83)	
	Out-Patient	0	27	-	89	-	54	86	92	84	27	-	-	-	-	100	-	100	100	97	100	-	-	84	
	37	(37)	(37)		(37)		(37)	(37)	(37)	(37)	(37)					(5)		(32)	(37)	(37)	(37)			(37)	
	In-Patient	0	38	-	81	-	16	81	89	76	11	-	-	-	-	100	-	93	97	89	97	-	-	84	
37	(37)	(37)		(37)		(37)	(37)	(37)	(37)	(37)					(10)		(29)	(37)	(37)	(37)			(37)		
ICU	0	0	-	100	-	14	100	100	100	0	-	-	-	-	100	-	100	100	100	100	-	-	100		
7	(7)	(7)		(7)		(7)	(7)	(7)	(7)	(7)					(1)		(6)	(7)	(7)	(7)			(7)		
<i>Enterobacter cloacae</i>	Total	0	0	26	59	-	3	58	61	53	0	100	98	-	48	50	92	-	75	85	75	77	-	-	68
	510	(510)	(510)	(218)	(510)		(510)	(510)	(510)	(510)	(510)	(218)	(215)		(218)	(218)	(50)		(460)	(510)	(510)	(510)			(510)
	Out-Patient	0	0	42	83	-	2	83	83	71	0	100	100	-	58	38	92	-	83	89	89	88	-	-	76
	120	(120)	(120)	(24)	(120)		(120)	(120)	(120)	(120)	(120)	(24)	(22)		(24)	(24)	(13)		(107)	(120)	(120)	(120)			(120)
	In-Patient	0	0	25	54	-	3	52	54	49	0	99	98	-	42	45	90	-	69	82	70	74	-	-	66
310	(310)	(310)	(154)	(310)		(310)	(310)	(310)	(310)	(310)	(154)	(153)		(154)	(154)	(31)		(279)	(310)	(310)	(310)			(310)	
ICU	0	0	21	45	-	4	43	52	36	0	100	95	-	64	74	100	-	86	86	74	74	-	-	62	
77	(77)	(77)	(39)	(77)		(77)	(77)	(77)	(77)	(77)	(39)	(39)		(39)	(39)	(5)		(72)	(77)	(77)	(77)			(77)	
<i>Enterobacter</i> species	Total	0	0	-	81	-	15	76	79	73	0	-	-	-	-	100	-	94	97	94	97	-	-	92	
	118	(118)	(118)		(118)		(118)	(118)	(118)	(118)						(22)		(96)	(118)	(118)	(118)			(118)	
	Out-Patient	0	0	-	84	-	13	84	84	81	0	-	-	-	-	100	-	93	94	90	94	-	-	90	
	31	(31)	(31)		(31)		(31)	(31)	(31)	(31)	(31)					(4)		(27)	(31)	(31)	(31)			(31)	
	In-Patient	0	0	-	79	-	15	70	75	67	0	-	-	-	-	100	-	96	98	97	98	-	-	93	
61	(61)	(61)		(61)		(61)	(61)	(61)	(61)	(61)					(11)		(50)	(61)	(61)	(61)			(61)		
ICU	0	0	-	81	-	19	81	81	76	0	-	-	-	-	100	-	87	100	90	100	-	-	90		
21	(21)	(21)		(21)		(21)	(21)	(21)	(21)	(21)					(6)		(15)	(21)	(21)	(21)			(21)		

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		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Escherichia coli</i> (ESBLs producing strains 34%)	Total	14	65	9	60	-	89	63	63	60	37	100	100	-	93	23	51	-	49	97	62	94	-	-	36
	3711	(3710)	(3711)	(1398)	(3711)		(3711)	(3710)	(3711)	(3711)	(3711)	(1397)	(1401)		(1401)	(1404)	(662)		(3047)	(3711)	(3711)	(3710)			(3710)
	Out-Patient	18	74	9	72	-	92	75	76	72	46	100	100	-	93	15	58	-	52	98	70	98	-	-	39
	1877	(1876)	(1877)	(466)	(1877)		(1877)	(1877)	(1877)	(1877)	(1877)	(466)	(470)		(468)	(470)	(332)		(1544)	(1877)	(1877)	(1876)			(1876)
	In-Patient	11	58	9	48	-	86	51	51	48	29	100	100	-	93	27	45	-	47	95	55	92	-	-	33
	1561	(1561)	(1561)	(773)	(1561)		(1561)	(1560)	(1561)	(1561)	(1561)	(772)	(771)		(773)	(775)	(277)		(1283)	(1561)	(1561)	(1561)			(1561)
ICU	7	43	9	35	-	90	38	38	36	23	100	100	-	96	29	31	-	44	95	45	81	-	-	28	
251	(251)	(251)	(156)	(251)		(251)	(251)	(251)	(251)	(251)	(156)	(157)		(156)	(156)	(51)		(200)	(251)	(251)	(251)			(251)	
<i>Haemophilus influenzae</i> β-lactamase negative	Total	99	99	-	-	-	-	99	-	99	-	-	-	-	-	-	-	-	-	-	-	93	77	60	
	192	(192)	(192)					(174)		(192)												(192)	(191)	(192)	
	Out-Patient	99	99	-	-	-	-	99	-	99	-	-	-	-	-	-	-	-	-	-	-	94	81	63	
	90	(90)	(90)					(85)		(90)												(90)	(89)	(90)	
	In-Patient	100	100	-	-	-	-	100	-	99	-	-	-	-	-	-	-	-	-	-	-	90	71	54	
	80	(80)	(80)					(72)		(80)												(80)	(80)	(80)	
ICU	100	100	-	-	-	-	100	-	100	-	-	-	-	-	-	-	-	-	-	-	100	81	63		
16	(16)	(16)					(11)		(16)												(16)	(16)	(16)		
<i>Haemophilus influenzae</i> β-lactamase positive	Total	0	90	-	-	-	-	98	-	92	-	-	-	-	-	-	-	-	-	-	-	59	46	27	
	123	(123)	(123)					(120)		(122)												(123)	(123)	(123)	
	Out-Patient	0	96	-	-	-	-	94	-	96	-	-	-	-	-	-	-	-	-	-	-	45	28	23	
	53	(53)	(53)					(50)		(52)												(53)	(53)	(53)	
	In-Patient	0	85	-	-	-	-	100	-	86	-	-	-	-	-	-	-	-	-	-	-	75	64	31	
	59	(59)	(59)					(59)		(59)												(59)	(59)	(59)	
ICU	0	89	-	-	-	-	100	-	100	-	-	-	-	-	-	-	-	-	-	-	44	33	33		
9	(9)	(9)					(9)		(9)												(9)	(9)	(9)		

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM														QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS			
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Klebsiella pneumoniae</i> (ESBLs producing strains 43%)	Total	0	70	6	67	-	85	68	69	67	62	99	99	-	54	38	79	-	71	94	75	91	-	-	63
	1556	(1556)	(1555)	(501)	(1556)		(1556)	(1556)	(1556)	(1556)	(1556)	(500)	(499)		(502)	(503)	(236)		(1321)	(1556)	(1556)	(1556)			(1556)
	Out-Patient	0	84	-	83	-	92	85	85	82	77	-	-	-	-	-	87	-	78	99	89	97	-	-	73
	488	(488)	(488)		(488)		(488)	(488)	(488)	(488)	(488)						(87)		(402)	(488)	(488)	(488)			(488)
	In-Patient	0	63	6	60	-	82	61	62	60	55	99	98	-	55	37	72	-	65	93	69	89	-	-	58
829	(829)	(828)	(324)	(829)		(829)	(829)	(829)	(829)	(829)	(323)	(323)		(324)	(327)	(119)		(711)	(829)	(829)	(829)			(829)	
ICU	0	62	3	56	-	81	58	59	57	53	100	99	-	40	43	80	-	75	92	69	88	-	-	61	
232	(232)	(232)	(95)	(232)		(232)	(232)	(232)	(232)	(232)	(95)	(95)		(95)	(95)	(30)		(201)	(232)	(232)	(232)			(232)	
<i>Moraxella catarrhalis</i> β-lactamase negative	Total	100	100	-	100	-	100	100	100	86	100	-	-	-	-	100	-	100	100	100	100	-	-	86	
	7	(7)	(7)		(7)		(7)	(7)	(7)	(7)	(7)					(2)		(5)	(7)	(7)	(7)			(7)	
	Out-Patient	100	100	-	100	-	100	100	100	0	100	-	-	-	-	-	-	100	100	100	100	-	-	100	
	1	(1)	(1)		(1)		(1)	(1)	(1)	(1)	(1)							(1)	(1)	(1)	(1)			(1)	
	In-Patient	100	100	-	100	-	100	100	100	100	100	-	-	-	-	-	100	-	100	100	100	100	-	-	100
4	(4)	(4)		(4)		(4)	(4)	(4)	(4)	(4)						(1)		(3)	(4)	(4)	(4)			(4)	
ICU	100	100	-	100	-	100	100	100	100	100	-	-	-	-	-	100	-	-	100	100	100	-	-	100	
1	(1)	(1)		(1)		(1)	(1)	(1)	(1)	(1)						(1)			(1)	(1)	(1)			(1)	
<i>Moraxella catarrhalis</i> β-lactamase positive	Total	0	100	-	100	-	100	100	100	100	99	-	-	-	-	100	-	100	100	100	100	-	-	82	
	182	(182)	(181)		(182)		(181)	(182)	(182)	(182)	(182)					(53)		(127)	(182)	(182)	(182)			(182)	
	Out-Patient	0	100	-	100	-	100	100	100	100	100	-	-	-	-	100	-	100	100	100	100	-	-	86	
	76	(76)	(76)		(76)		(76)	(76)	(76)	(76)	(76)					(29)		(47)	(76)	(76)	(76)			(76)	
	In-Patient	0	100	-	100	-	100	100	100	100	98	-	-	-	-	100	-	100	100	100	100	-	-	79	
89	(89)	(88)		(89)		(88)	(89)	(89)	(89)	(89)					(22)		(66)	(89)	(89)	(89)			(89)		
ICU	0	100	-	100	-	100	100	100	100	100	-	-	-	-	100	-	100	100	100	100	-	-	82		
17	(17)	(17)		(17)		(17)	(17)	(17)	(17)	(17)					(2)		(14)	(17)	(17)	(17)			(17)		

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM														QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS		
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e
<i>Plesiomonas shigelloides</i>	Total	55	97	-	97	-	100	97	100	97	97	-	-	-	-	100	-	100	79	93	100	-	-	72
	29	(29)	(29)		(29)		(29)	(29)	(29)	(29)	(29)					(3)		(26)	(29)	(29)	(29)			(29)
	Out-Patient	55	95	-	95	-	100	95	100	95	95	-	-	-	-	100	-	100	77	91	100	-	-	68
	22	(22)	(22)		(22)		(22)	(22)	(22)	(22)	(22)					(3)		(19)	(22)	(22)	(22)			(22)
	In-Patient	60	100	-	100	-	100	100	100	100	100	-	-	-	-	-	-	100	80	100	100	-	-	80
	5	(5)	(5)		(5)		(5)	(5)	(5)	(5)	(5)							(5)	(5)	(5)	(5)			(5)
ICU	100	100	-	100	-	100	100	100	100	100	-	-	-	-	-	-	100	100	100	100	-	-	100	
	(1)	(1)		(1)		(1)	(1)	(1)	(1)	(1)							(1)	(1)	(1)	(1)			(1)	
<i>Proteus mirabilis</i> (ESBLs producing strains 6.7%)	Total	52	96	-	91	-	97	93	93	92	86	-	-	-	-	81	-	86	100	84	95	-	-	46
	510	(510)	(510)		(510)		(510)	(510)	(510)	(510)	(510)					(88)		(421)	(510)	(510)	(510)			(510)
	Out-Patient	62	97	-	96	-	98	96	97	96	92	-	-	-	-	83	-	84	100	87	96	-	-	52
	227	(227)	(227)		(227)		(227)	(227)	(227)	(227)	(227)					(30)		(196)	(227)	(227)	(227)			(227)
	In-Patient	44	94	-	86	-	96	89	89	88	81	-	-	-	-	78	-	87	100	81	94	-	-	41
	256	(256)	(256)		(256)		(256)	(256)	(256)	(256)	(256)					(55)		(201)	(256)	(256)	(256)			(256)
ICU	59	100	-	95	-	100	95	95	95	91	-	-	-	-	100	-	100	100	86	100	-	-	59	
	(22)	(22)		(22)		(22)	(22)	(22)	(22)	(22)					(3)		(19)	(22)	(22)	(22)			(22)	
<i>Pseudomonas aeruginosa</i>	Total	-	-	78	68	76	-	-	75	-	-	76	81	-	85	76	-	-	82	77	91	-	-	-
	2373			(2373)	(2372)	(2360)			(2373)			(2375)	(1770)		(2366)	(2374)			(2373)	(2373)	(2373)			
	Out-Patient	-	-	87	81	88	-	-	86	-	-	89	89	-	94	83	-	-	90	86	94	-	-	-
	462			(461)	(462)	(462)			(462)			(462)	(339)		(459)	(462)			(462)	(462)	(462)			
	In-Patient	-	-	76	66	74	-	-	73	-	-	74	80	-	84	73	-	-	80	75	90	-	-	-
1540			(1540)	(1539)	(1529)			(1540)			(1540)	(1148)		(1536)	(1540)			(1540)	(1540)	(1540)				
ICU	-	-	73	58	71	-	-	69	-	-	64	73	-	78	77	-	-	81	71	91	-	-	-	
	(359)	(358)	(356)					(358)			(359)	(272)		(358)	(359)			(358)	(358)	(358)				

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM													QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS			
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e
<i>Salmonella</i> species	Total	37	91	-	88	-	-	91	89	-	-	-	-	-	-	97	-	99	-	-	-	-	-	70
	349	(349)	(349)		(349)			(349)	(349)							(72)		(276)						(349)
	Out-Patient	41	92	-	91	-	-	94	93	-	-	-	-	-	-	97	-	99	-	-	-	-	-	73
	187	(187)	(187)		(187)			(187)	(187)							(31)		(156)						(187)
In-Patient	30	90	-	85	-	-	86	83	-	-	-	-	-	-	96	-	98	-	-	-	-	-	71	
113	(113)	(113)		(113)			(113)	(113)							(27)		(85)						(113)	
<i>Shigella flexneri</i>	Total(Out-Patient)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	0	0	0
	1																(1)					(1)	(1)	(1)
<i>Shigella sonnei</i>	Total	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	100	11	9
	11	(11)															(9)					(9)	(9)	(11)
	Out-Patient	86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	100	14	14
	7	(7)															(7)					(7)	(7)	(7)
In-Patient	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	-	-	100	0	0	
4	(4)															(2)					(2)	(2)	(4)	
<i>Serratia marcescens</i>	Total	0	4	-	81	-	67	81	86	0	0	-	-	-	-	90	-	70	93	77	93	-	-	66
	163	(163)	(163)		(163)		(163)	(163)	(163)	(163)	(163)					(29)		(134)	(163)	(163)	(163)			(163)
	Out-Patient	0	3	-	91	-	82	91	91	0	0	-	-	-	-	100	-	81	100	91	97	-	-	88
	34	(34)	(34)		(34)		(34)	(34)	(34)	(34)	(34)					(7)		(27)	(34)	(34)	(34)			(34)
	In-Patient	0	5	-	74	-	62	74	83	0	0	-	-	-	-	79	-	65	91	78	93	-	-	61
94	(94)	(94)		(94)		(94)	(94)	(94)	(94)	(94)					(14)		(80)	(94)	(94)	(94)			(94)	
ICU	0	3	-	88	-	70	88	88	0	0	-	-	-	-	100	-	72	91	58	88	-	-	58	
33	(33)	(33)		(33)		(33)	(33)	(33)	(33)	(33)					(8)		(25)	(33)	(33)	(33)			(33)	

PERCENTAGE OF SUSCEPTIBLE ¹ January - December 2006	TYPE OF ORGANISMS	BETA-LACTAM													QUINOLONE			AMINOGLYCOSIDE			MISCELLANEOUS				
		AMPICILLIN ^a	AMOXICILLIN / CLAVULANIC ACID ^b	CEFEPIME	CEFOPERAZONE	CEFOPERAZONE / SULBACTAM ²	CEFOXITIN	CEFOTAXIME	CEFTAZIDIME	CEFUROXIME ^c	CEPHALOTHIN ^d	IMIPENEM ³	MEROPENEM	PENICILLIN	PIPERACILLIN / TAZOBACTAM ³	CIPROFLOXACIN ³	LEVOFLOXACIN ⁴	NORFLOXACIN	OFLOXACIN	AMIKACIN	GENTAMICIN	NETILMICIN	CHLORAMPHENICOL	TETRACYCLINE ^e	TRIMETHOPRIM / SULFAMETHOXAZOLE
<i>Stenotrophomonas maltophilia</i>	Total	1	2	33	52	-	4	3	47	0	0	0	0	-	22	74	93	-	82	55	52	78	-	-	78
	481	(481)	(481)	(468)	(481)		(480)	(481)	(481)	(480)	(481)	(470)	(467)		(467)	(469)	(71)		(410)	(481)	(481)	(481)			(481)
	Out-Patient	0	3	24	54	-	3	5	41	0	0	0	0	-	24	71	60	-	79	54	54	72	-	-	87
	39	(39)	(39)	(38)	(39)		(39)	(39)	(39)	(39)	(39)	(38)	(38)		(38)	(38)	(5)		(34)	(39)	(39)	(39)			(39)
	In-Patient	1	3	31	49	-	4	2	46	0	0	0	0	-	23	74	97	-	84	58	52	78	-	-	75
	248	(248)	(248)	(241)	(248)		(247)	(248)	(248)	(247)	(248)	(243)	(240)		(240)	(242)	(33)		(215)	(248)	(248)	(248)			(248)
ICU	1	1	37	56	-	4	4	48	0	0	0	0	-	20	74	94	-	81	52	52	78	-	-	81	
192	(192)	(192)	(187)	(192)		(192)	(192)	(192)	(192)	(192)	(187)	(187)		(187)	(187)	(32)		(160)	(192)	(192)	(192)			(192)	

This report was obtained from routine laboratory result of the Department of Pathology, Ramathibodi Hospital.

() = Number tested

1 = Susceptible only (not include intermediate susceptible)

2 = No CLSI zone diameter interpretive standards criteria. Indicate according to Cefoperazone.

3 = *P. aeruginosa* and the organisms resist to other antibiotics were tested.

4 = Levofloxacin was temporarily tested during the shortage of ofloxacin.

The results can apply to:

a ampicillin, amoxicillin

b amoxicillin/clavulanic acid, ampicillin/sulbactam, and ticarcillin/ clavulanic acid

c cefuroxime, cefamandole, and cefonicid

d cephalothin, cefaclor, cefadroxil, cephalixin, cephalirin, and cephradine

e all tetracyclines, doxycycline and minocycline