



SASCM Laboratory Surveillance:
Private Sector July-December 2011

***E. coli*: URINE**

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	13172	6652	7524	5874	1237	383	462	
ampicillin	25	29	17	30	19	25	26	
1 st generation cephalosporins	63	65	56	60	19	49	61 n=100	
2 nd generation cephalosporins	90	86	80	94	88	86	87	
Parenteral 3 rd generation cephalosporins	92	92	82 N=3710	96	94	91	92	
gentamicin	89	88	82	91	90	88	88	
amikacin	98	76	94	99	99	94	95	
Amox / clavulanate	84	80	69	85	82	68	75	
Ciprofloxacin	76	74	64	75	70	73	75	
Levofloxacin	76	74	62 N=3710	75	70	73	75	
Cotrimoxazole	40	44	28	NT	39	33	35	
%ESBL	7	8	14	4	6	9	8	

***E.coli*: BLOODCULTURE**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	297	180	190	150	16	21	18	
Ampicillin	23	12	33	17	31	24	11	
Cefuroxime	84	81	73	86	88	62	78	
Ceftriaxone/cefotaxime	88	87	78	91	88	62	78	
Cefepime	88	87	78	91	88	62	78	
Amox / clavulanate	75	70	72	81	88	48	78	
Piperacillin/tazobactam	85	84	86	93	88	67	78	
gentamicin	85	83	82	93	94	76	83	
amikacin	95	94	96	89	100	100	100	
Ertapenem	100	100	100	100	100	100	100	
Imipenem/meropenem	100	100	100	100	100	100	100	
Ciprofloxacin	74	82	64	79	69	62	67	
% ESBL	12	13	21	7	12	38	22	

***K.pneumo*: BLOODCULTURES**

	Percentage Susceptible							
(Number of laboratories)	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	Bfn (1)	
n = Total of isolates	299	176	160	72	8	14	9	
Ampicillin	0	0	0	0	0	0	0	
Cefuroxime	30	35	43	44	63	36	56	
Ceftriaxone/cefotaxime	31	35	44	44	63	36	56	
Cefepime	31	35	44	46	63	36	56	
Amox / clavulanate	29	35	43	42	63	29	44	
Piperacillin/tazobactam	29	37	64	50	63	29	44	
Gentamicin	42	40	60	60	63	50	67	
Amikacin	72	74	89	96	75	93	100	
Ertapenem	88	90	100	98	100	100	100	
Imipenem/meropenem	91	92	100	100	100	100	100	
Ciprofloxacin	53	45	58	57	63	57	89	
% ESBL	69	62	54	54	37	64	44	

***Enterobacter cloacae* & SPP: BLOODCULTURES**

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	194	49	53	28	8	6	4	
ampicillin	0	0	0	0	0	0	0	
Cefuroxime	9	0	23	11	0	33	75	
Ceftriaxone/cefotaxime	25	83	66	86	0	67	100	
Cefepime	77	86	79	93	63	83	100	
Amox / clavulanate	0	0	0	0	0	0	0	
Piperacillin/tazobactam	61	49	77	86	0	67	100	
Amikacin	88	92	96	89	75	100	100	
Gentamicin	89	92	72	89	75	83	100	
Ertapenem	98	100	100	100	88	100	100	
Imipenem/meropenem	100	98	100	100	100	100	100	
Ciprofloxacin	73	82	83	100	50	83	100	

% ESBL	12	12	12	11	37	17	0	
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***P. aeruginosa*: BLOODCULTURES**
Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	139	75	58	18	1	5	5	
Ceftazidime	53	43	67	78	0	60	100	
Cefepime	55	43	64	78	0	100	100	
Pip/tazobactam	62	37	57	94	100	80	100	
Gentamicin	50	56	64	78	100	80	80	
Amikacin	56	55	64	89	100	100	100	
Tobramycin	52	56	64	89	100	60	100	
Meropenem	56	45	69	83	0	60	100	
Imipenem	53	43	69	83	0	60	100	
Doripenem	61	49	69	83	0	60	100	
Ciprofloxacin	51	44	62	61	0	80	100	
Polymyxin (Colistin)	95	99	100	NT	NT	NT	100	
Aztreonam	60	2	69	NT	NT	NT	40	

***Acinetobacter baumannii*: BLOODCULTURES**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	127	29	58	11	0	1	13	
Ceftazidime	13	28	23	45		0	8	
Cefepime	15	45	28	36		100	8	
Pip/tazobactam	7	31	28	18		0	8	
Gentamicin	20	48	49	36		100	0	
Amikacin	42	59	95	73		100	31	
Tobramycin	29	55	98	82		100	77	
Meropenem	23	45	39	45		100	15	
Imipenem	32	45	39	45		100	15	
Ciprofloxacin	22	48	33	36		0	8	
Polymyxin (Colistin)	96	97	100	82		100	71	
Aztreonam	2	7	10	NT		0	0	
Cotrimoxazole	13	38	39	22		100	0	
Tigecycline	93	79	87	73		100	100	

S. aureus: BLOODCULTURES

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	230	118	159	131	19	28	10	
Cloxacillin	59	71	67	62	79	100	20	
Cotrimoxazole	80	84	68	98	100	86	40	
Erythromycin	59	69	68	57	79	90	50	
Clindamycin	60	71	76	65	79	90	50	
Fusidic acid	94	92	100 N=72	95	84	100	90	
Rifampicin	94	97	76 N=72	98	47	93	70	
Gentamicin	82	86	100	93	100	96	40	
Teicoplanin	100	100	100	100	100	100	100	
Vancomycin	100	100	100	100	100	100	100	
Linezolid	100	100	100	100	100	100	100	

***E. faecalis*: BLOODCULTURES**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	113	40	86	18	1	5	0	
Ampicillin	88	67	93	100	100	60	0	
Gentamicin	79	42	47	39	100	100	0	
Teicoplanin	100	100	100	100	100	100	0	
Vancomycin	100	100	100	100	100	100	0	
Linezolid	100	100	100	100	100	100	0	

***E. faecium*: BLOODCULTURES**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	35	45	15	4	1	0	1	
Ampicillin	12	0	7	100	0	0	0	
Gentamicin	6	18	50	33	0	0	0	
Teicoplanin	83	76	87	100	100	0	100	
Vancomycin	80	84	87	100	100	0	100	
Linezolid	100	56	94	100	100	0	100	

***C. albicans*: BLOODCULTURES**

	Percentage susceptible							
	Jhb	Pta	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	73	36	34	29	4	0	9	
Fluconazole	100	100	100	100	100		100	
Voriconazole	100	100	100	100	100		100	
Amphotericin	100	100	100	100	100		100	
Caspofungin	NT	100	100	NT	100		100	

Candida Non-Albicans: BLOODCULTURES

	Percentage Susceptible							
	Jhb	Pta	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	199	223	81	28	15	1	3	
Fluconazole	21	50	95	82	87	100	67	
Voriconazole	59	83	100	100	100	100	100	
Amphotericin	99	99	100	100	100	100	100	
Caspofungin	97	100	NT	NT	80 n=5	NT	100	

***S. pneumoniae*: LRTI**

		Percentage susceptible						
		Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)
n = Total number of isolates		484	631	155	591	65	3	39
Penicillin~	</=0.06	70	34	55	2	49	67	54
	0.12-2	30	64	47	91	51	33	46
	4	0	2	1	0	0	0	0
	8	0	0	0	0	0	0	0
Telithromycin - susceptible		99	100	100	100	100	100	100
Erythromycin – susceptible		33	54	47	62	63	100	74
3 rd generation cephalosporins (parenteral)*	susceptible	97	98	100	100	98	100	100
	IR	2	1	0	1	0	0	0
	HR	0	1	0	0	2	0	0
Quinolones	Levo	100	100	100	100	100	100	100
	Moxi	100	100	100	100	100	100	100

~ Penicillin breakpoints (oral): CLSI S</=0.06 IR 0.12-1 HR >/=2

NT: Not tested

~ Penicillin breakpoints (parenteral non-meningitis): CLSI S</=2 IR 4 HR >/=8

* 3rd Cephalosporins (non-meningitis): CLSI S</=1 IR 2 HR >/=4

***Haemophilus influenzae*: RTI**

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	1140	1261	566	1139	204	15	94	
Ampicillin	87	89	89	85	88	73	93	