



SASCM Laboratory Surveillance:
Jul - Dec 2012

***E. coli*: URINE**

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	14990	7028	8143	6602	1427	512	542	
ampicillin	23	16	15	24	18	32	26	
1 st generation cephalosporins	46 N=3427	56	71	61	19 N=1395	51 N=223	49 N=45	
2 nd generation cephalosporins	87	82	80	92	69	86	88	
Parenteral 3 rd generation cephalosporins	91	87	96	96 N=1050	94	92	93	
gentamicin	88	85	83	90	89	90	91	
amikacin	99	97	94	98	100	98	96 N=318	
Amox / clavulanate	80	72	74	80	79	67	79	
Ciprofloxacin	74	70	67	74	72	73	73	
Levofloxacin	74	74	53	74	72	73	73	
Cotrimoxazole	40	40	29	49	40	40	40	
%ESBL	9	7	15	5	6	8	7	

***E.coli*: BLOODCULTURE**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	343	229	231	154	34	24	10	
Ampicillin	22	19	15	28	32	25	40	
Cefuroxime	80	83	74	91	85	83	80	
Ceftriaxone/cefotaxime	85	88	76	96	85	96	80	
Cefepime	86	90	77	96	85	96	80	
Amox / clavulanate	70	64	63	82	85	67	60	
Piperacillin/tazobactam	79	85	88	92	85	96	80	
gentamicin	83	79	75	91	82	88	90	
amikacin	93	94	96	98	100	100	90	
Ertapenem	100	100	100	100	100	100	100	
Imipenem/meropenem	100	100	100	100	100	100	100	
Ciprofloxacin	76	70	61	81	74	83	90	
% ESBL	15	9	19	5	15	4	20	

***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	383	227	163	72	17	12	31	
Ampicillin	0	0	0	0	0	0	0	
Cefuroxime	38	31	42	54	47	25	13	
Ceftriaxone/cefotaxime	38	34	43	58	53	25	16	
Cefepime	38	34	43	58	53	25	16	
Amox / clavulanate	33	33	41	53	53	25	13	
Piperacillin/tazobactam	35	37	72	54	53	25	13	
Gentamicin	44	51	64	72	59	42	29	
Amikacin	77	85	91	93	100	83	90	
Ertapenem	90	92	99	100	100	100	100	
Imipenem/meropenem	91	93	99	100	100	100	100	
Ciprofloxacin	51	53	79	69	76	92	29	
% ESBL	62	67	57	42	47	75	84	

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

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	123	53	51	23	8	2	3	
ampicillin	0	0	0	0	0	0	0	
Cefuroxime	5	0	31	0	0	0	0	
Ceftriaxone/cefotaxime	33	21	67	78	0	0	33	
Cefepime	68	70	80	87	75	0	33	
Amox / clavulanate	0	0	0	4	0	0	0	
Piperacillin/tazobactam	67	50	76	78	0	0	33	
Amikacin	90	91	96	96	100	100	100	
Gentamicin	80	75	75	91	88	50	67	
Ertapenem	88	85	100	96	100	100	100	
Imipenem/meropenem	96	98	100	100	100	100	100	
Ciprofloxacin	82	77	90	91	100	100	100	
% ESBL	32	34	35	13	25	100	100	

***P. aeruginosa*: BLOODCULTURES**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	191	118	52	33	0	6	13	
Ceftazidime	69	53	87	91	-	50	85	
Cefepime	66	51	81	88	-	50	77	
Pip/tazobactam	74	37	69	88	-	67	77	
Gentamicin	69	55	79	85	-	50	77	
Amikacin	65	58	83	88	-	83	85	
Tobramycin	63	55	83	88	-	50	85	
Meropenem	50	49	85	79	-	33	85	
Imipenem	51	47	87	79	-	67	85	
Doripenem	55	51	85	79	-	33	77	
Ciprofloxacin	64	49	79	73	-	33	85	
Polymyxin (Colistin)	100 N=181	96	100	100 N=7	-	100 N=3	100 N=6	
Aztreonam	48 N=93	39	NT	NT	-	NT	100 N=3	

***Acinetobacter baumannii*: BLOODCULTURES**

Percentage Susceptible

	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	98	42	42	10	3	0	4	
Ceftazidime	28	7	45	30	67	-	0	
Cefepime	30	12	52	50	67	-	0	
Pip/tazobactam	26	7	43	50	67	-	0	
Gentamicin	40	19	62	50	67	-	0	
Amikacin	54	31	100	50	100	-	0	
Tobramycin	43	29	98	70	100	-	50	
Meropenem	34	12	55	60	67	-	0	
Imipenem	34	12	55	50	67	-	0	
Ciprofloxacin	35	10	45	60	67	-	0	
Polymyxin (Colistin)	100 N=95	100	93	100	100	-	100	
Aztreonam	17 N=48	14	NT	NT	NT	-	NT	
Cotrimoxazole	18 N=48	12	43	100 N=1	NT	-	NT	
Tigecycline	92 N=48	45	88	100 N=9	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	243	137	167	151	37	31	14	
Cloxacillin	67	64	70	74	76	94	79	
Cotrimoxazole	77	88	64	96	84	83	90 N=13	
Erythromycin	69	61	74	68	59	77	71	
Clindamycin	70	63	75	71	62	77	79	
Fusidic acid	93	96	97	93 N=150	100	100	93	
Rifampicin	92	97	75	94	89	77	100	
Gentamicin	82	84	76	87	100	87	79	
Teicoplanin	100	100	99	100 N=118	100	100	100	
Vancomycin	100	100	99	100	100	100	100	
Linezolid	100	99	99	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	88	62	85	23	10	2	9	
Ampicillin	85	97	94	100	70	100	100	
Gentamicin	58 N=36	42	40	91	75 N=8	100 N=5	50 N=8	
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. faecium*: BLOODCULTURES**

Percentage Susceptible								
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
n = Total of isolates	48	30	9	8	2	1	6	
Ampicillin	4	0	22	0	0	0	0	
Gentamicin	13	0	33	38	NT	0	0 N=1	
Teicoplanin	65	60	78	100	100	100	33	
Vancomycin	65	60	78	100	100	100	33	
Linezolid	100	80	78	100	100	100	100	

***C. albicans*: BLOODCULTURES**

	Percentage susceptible							
	Jhb	Pta	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	54	55	45	17	2	3	10	
Fluconazole	98	100	100	100	100	100	100	
Voriconazole	98	100	100	100	100	100	100	
Amphotericin	100	100	100	100	100	100	100	
Caspofungin	100	100	100	100	100	100	100	

Candida Non-Albicans: BLOODCULTURES

	Percentage Susceptible							
	Jhb	Pta	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	170	221	85	28	22	2	5	
Fluconazole	20	15	59	61	82	50	80	
Voriconazole	46	38	88	79	91	100	100	
Amphotericin	100	99	100	100	100	100	100	
Caspofungin	99 N=70	93	100	100	100	100	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		419	491	129	466	40	6	26
Penicillin~	</=0.06	43	41	59	1	68	33	85
	0.12-2	51	58	40	98	32	67	15
	4	7	1	1	0	0	0	0
	8	0	0	0	0	0	0	0
Telithromycin - susceptible		100	100 N=189	100	100	100	100	100
Erythromycin – susceptible		58	34	54	59	65	83	77
3 rd generation cephalosporins (parenteral)*	Susceptible	98	97	100	100	100	100	100
	IR	2	2	0	0	0	0	0
	HR	0	0	0	0	0	0	0
Quinolones	Levo	100	100	100	100 N=16	100	100	100 N=12
	Moxi	100	99	100	100	100	100	100

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

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

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

NT: Not tested

***Haemophilus influenzae*: RTI**

	Percentage Susceptible							
	Jhb (3)	Pta (3)	Dbn (2)	CT (2)	PE (1)	EL (1)	BFN (2)	
No of isolates	941	1026	625	1027	193	24	106	
Ampicillin	90	91	89	89	90	88	87	