



Diagnostic Laboratory Services, Inc.

Antimicrobial Susceptibility Profile (July 2013 - June 2014)

Outpatient - ALL SOURCES

GRAM NEGATIVE SUSCEPTIBILITIES (Percent Susceptible)

* Note: For total isolate less than 10, the susceptibility percentage may not be clinically significant.

October 2013 - Amox/Clav Acid and Cefoxitin removed; April 2014 - CLSI breakpoint changes with Cefepime for Enteric Gram negative rods

	Citrobacter freundii		Citrobacter koserii		Enterobacter aerogenes		Enterobacter cloacae		E. coli (ESBL)		Kleb pneumo (ESBL)		Kleb oxytoca (ESBL)		Proteus mirabilis		P. mirabilis ESBL		Pseudo aeruginosa		Serratia marcescens	
	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Amikacin	100	100	100	100	100	100	100	100	100 (100)	100 (99)	100 (100)	100 (100*)	100 (100*)	100 (100*)	100	100	N/A	100*	99	100	100	100
Ampicillin									61 (N/A)	60 (N/A)					93	92						
Ampicillin-Sulbactam									79 (25)	79 (25)	91 (20)	93 (13*)	97 (0*)	97 (0*)	98	98	N/A	100*				
Cefepime	98	100	100	100	100	100	100	98	100 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100	100			100	100	100	100
Ceftriaxone	92	94	99	99	96	94	90	83	99 (N/A)	99 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100	100					100	100
Ciprofloxacin	97	94	99	99	99	99	100	97	85 (20)	95 (19)	99 (64)	98 (56*)	100 (100*)	100 (0*)	98	98	N/A	100*	94	95	98	97
Gentamicin	95	98	100	99	100	99	99	99	93 (82)	93 (77)	99 (53)	99 (78*)	100 (100*)	100 (0*)	97	96	N/A	100*	98	99	100	100
Nitrofurantoin (u)	96	94	95	99	11	11	42	40	98 (95)	98 (95)	57 (27)	61 (33*)	97 (100*)	97 (100*)								
Piperacillin/Tazobactam	97	100	100	100	96	96	89	85	99 (98)	99 (98)	99 (67)	99 (89*)	100 (N/A)	100 (100*)	100	100	N/A	100*			100	100
Tobramycin	98	100	99	100	100	100	100	100	99 (88)	99 (88)	100 (69)	100 (75*)	100 (100*)	100 (0*)	99	99	N/A	100*	98	100	100	100
Trimeth-Sulfa	87	87	98	98	100	100	92	89	79 (39)	78 (35)	92 (38)	93 (33*)	100 (100*)	100 (0*)	92	91	N/A	0*			100	97
Total Isolates	60	53	149	133	123	123	138	122	5568 (372)	5189 (415)	967 (17)	928 (9*)	51 (1*)	48 (1*)	516	494	0	1*	669	657	51	38

N/A = Statistics not available

GRAM POSITIVE AND H. influenzae SUSCEPTIBILITIES (Percent Susceptible)

*Note: For total isolate less than 10, the susceptibility percentage may not be clinically significant.

October 2013 - Ciprofloxacin and Gentamicin removed from Staph panel; April 2014 - Cefazolin and Minocycline added to Staph antibiogram

	S. aureus MRSA		S. aureus MSSA		Staph coag neg		Enterococcus VRE		Enterococcus Non-VRE ***		Strep pneumoniae		Strep pyogenes		Haemophilus influenza	
	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun	Jul-Dec	Jan-Jun
Ampicillin							0*	50*	98	99					82	72
Cefazolin		0		100		57										
Ceftriaxone												See Table	100	100	100	100
Cefuroxime															100	100
Chloramphenicol															96	100
Ciprofloxacin	57		93		82		0*	0*	89	91						
Clindamycin	74	74	85	85	70	68					80	50	67	81		
Daptomycin	100	100	100	100	100	100										
Erythromycin	18	16	74	74	52	45					65	68	65	78		
Linezolid	100	100	100	100	100	100	100*	100*	100	100						
Minocycline		100		100		100										
Meropenem															100	100
Moxifloxacin	65	72	95	96	84	86					100	100			99	100
Nitrofurantoin (u)	100	100	100	100	100	86	100*	100*	99	99						
Oxacillin			100	100	57	64										
Penicillin			33****	36****	16	15					See Table	100	100			
Rifampin **	100	100	100	100	100	100										
Tetracycline	94	94	98	96	90	90	0*	0*	18	19	68	60			90	82
Trimeth-Sulfa	92	94	98	98	82	84					81	89			60	59
Vancomycin	100	100	100	100	100	100	0*	0*	100	100	100	100	100	100		
Total Isolates	817	757	1963	1780	553	544	1*	2*	623	608	26	31	407	497	84	179

** Rifampin should not be used alone for treatment of staph infection.

*** Non-VRE includes intrinsically resistant Enterococcus (E. casseliflavus & E.gallinarum)

**** Staph aureus (MSSA) isolates that show Penicillin susceptibility may harbor the blaZ gene that produces beta-lactamase

Strep pneumo - Incidence by MIC Value

MIC	Penicillin		Ceftriaxone		
	# isolates		MIC	# isolates	
	Jul-Dec	Jan-Jun		Jul-Dec	Jan-Jun
<=0.06	17	19	<=0.12	12	26
0.12	2	5	0.25	1	3
0.25	1	3	0.5	5	0
0.5	2	0	1	1	1
1	3	1	2	0	0
>=2	1	2	>=4	0	0

S. pneumo interpretive guidelines

Penicillin		
Parenteral non-meningitis		
<=2 S	4 I	>=8 R
Parenteral meningitis		
<=0.06 S	----	>=0.12 R
Oral		
<=0.06 S	0.12-1 I	>=2 R
Ceftriaxone		
Non-meningitis		
<=1 S	2 I	>=4 R
Meningitis		
<=0.5 S	1 I	>=2 R