



Diagnostic Laboratory Services, Inc.

Antimicrobial Susceptibility Profile (January 2013 - December 2013)

Outpatient - ALL SOURCES

GRAM NEGATIVE SUSCEPTIBILITIES (Percent Susceptible)

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

2013 - Panel changes: Amoxicillin/CA and Cefoxitin removed from panels June 2013; Piperacillin/Tazobactam added to panels June 2013

Cephalosporin and carbapenem breakpoint changes implemented March 2013	Citrobacter freundii		Citrobacter koserii		Enterobacter aerogenes		Enterobacter cloacae		E. coli (ESBL)		Kleb pneumo (ESBL)		Kleb oxytoca (ESBL)		Proteus mirabilis		Pseudo aeruginosa		Serratia marcescens	
	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
	Amikacin	100	100	100	100	100	100	100	100	100 (100)	100 (100)	100 (100)	100 (100)	100 (100*)	100 (100*)	100	100	99	99	100
Amoxicillin/CA	2	N/A	100	N/A					98 (N/A)	N/A			100 (N/A)	N/A	100	N/A				
Ampicillin									59 (N/A)	61 (N/A)					92	93				
Cefepime	100	98	100	100	99	100	99	100	100 (N/A)	100 (N/A)			100 (N/A)	100 (N/A)	100	100	99	100	100	100
Cefoxitin	2	N/A	99	N/A					97 (78)	N/A	98 (100)	N/A	100 (100*)	N/A	98	N/A				
Ceftriaxone	97	92	99	99	95	96	95	90	100 (N/A)	99 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100 (N/A)	100	100			99	100
Ciprofloxacin	97	97	99	99	99	99	97	100	84 (27)	95 (20)	99 (100)	99 (64)	100 (0*)	100 (100*)	97	98	96	94	99	98
Gentamicin	94	95	100	100	99	100	99	99	93 (76)	93 (82)	100 (67)	99 (53)	100 (0*)	100 (100*)	97	97	99	98	100	100
Levofloxacin																	93	91		
Nitrofurantoin (u)	97	96	95	96	13	11	35	42	99 (95)	98 (95)	62 (14)	57 (27)	94 (100*)	97 (100*)						
Piperacillin/Tazobactam	N/A	97	N/A	100	N/A	96	N/A	89	N/A	99 (98)	N/A	99 (67)	N/A	100 (N/A)	N/A	100			N/A	100
Tobramycin	100	98	99	99	100	100	100	100	99 (2)	99 (88)	100 (89)	100 (69)	100 (0*)	100 (100*)	99	99	99	98	99	100
Trimeth-Sulfa	87	87	98	98	100	100	88	92	80 (44)	79 (39)	92 (17)	92 (38)	98 (0*)	100 (100*)	92	92			99	100
Total Isolates	71	60	135	149	101	123	153	138	6619 (287)	6568 (372)	845 (11)	967 (17)	58 (2*)	51 (1*)	553	516	604	669	74	51

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.

2013 - Panel changes: Daptomycin added Staph panels Oct2013; Clindamycin added Strep pneumo & Ceftriaxone added Strep pyogenes (GAS) panels Sep 2013

	S. aureus MRSA		S. aureus MSSA		Staph coag neg		Enterococcus VRE		Enterococcus Non-VRE ****		Strep pneumo		S pyogenes ***		Haemophilus influenza	
	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
	Ampicillin							20 *	0 *	97	98					83
Cefazolin																
Ceftriaxone												See Table	N/A	100	100	100
Cefuroxime															100	100
Chloramphenicol															98	96
Ciprofloxacin	52	57	94	93	78	82	0 *	0 *	86	89						
Clindamycin	75	74	86	85	70	70					N/A	80	86	67		
Daptomycin	N/A	100	N/A	100	N/A	100										
Erythromycin	19	18	75	74	50	52					69	65	86	65		
Gentamicin	99	98	99	99	97	98										
Linezolid	100	100	100	100	100	100	100 *	100 *	100	100						
Meropenem															100	100
Moxifloxacin	61	65	96	95	81	84					100	100			99	99
Nitrofurantoin (u)	100	100	100	100	100	100	N/A	100 *	99	99						
Oxacillin			100	100	60	57										
Penicillin			36	33	22	16					See Table		100	100		
Rifampin **	100	100	100	100	99	100										
Tetracycline	96	94	96	98	87	90	0 *	0 *	18	18	73	68	73	63	90	90
Trimeth-Sulfa	94	92	98	98	81	82					79	81			96	60
Vancomycin	100	100	100	100	100	100	0 *	0 *	100	100	100	100	100	100		
Total Isolates	902	817	1824	1963	725	553	6 *	1 *	659	623	49	26	15	407	161	84

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

*** Testing for S.pyogenes (Group A Strep) implemented September 2013

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

Strep pneumo - Incidence by MIC Value

MIC	Penicillin		MIC	Ceftriaxone	
	# isolates			# isolates	
	Jan-Jun	Jul-Dec		Jan-Jun	Jul-Dec
<=0.06	26	17	<=0.12	24	12
0.12	14	2	0.25	0	1
0.25	0	1	0.5	1	5
0.5	1	2	1	1	1
1	1	3	2	3	0
>=2	3	1	>=4	1	0

S. pneumo interpretive guidelines

Penicillin		
Parenteral non-meningitis	<=2 S	>=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	>=4 R
Meningitis	<=0.5 S	>=2 R