UR MEDICINE | Labs

Cumulative Antibiograms for Community Outpatient Infections

To: Clients of UR Medicine Labs

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Cumulative susceptibility test data (often referred to as an antibiogram) for commonly encountered bacteria summarize results from many patient isolates. Antibiograms are intended to raise awareness of specific antibiotic resistance problems within a community and guide empiric therapy until susceptibility test results for a particular patient isolate are available.

The following antibiograms are derived from results of antibiotic susceptibility testing performed on culture isolates from Community Outpatient specimens submitted to our laboratory; test results for isolates from hospitalized patients and nursing home patients have been excluded from these data.

Data from Community Pediatric Outpatients (patients ≤16 years old) have been analyzed separately from Community Adult Outpatients (patients ≥17 years old) (see attached tables).

For additional information contact Dr. Hardy by any of the methods listed above.

UR Medicine Labs - Antibiotic Susceptibility Profiles
(Data Collected 7/1/2015- 6/30/2016)
Percent of Isolates Susceptible to Achievable Serum Levels
Isolates from Community Adult (>= 17 yo) Outpatients

ORGANISM	No. of Non-Duplicate Isolates	Amikacin	Gentamicin	Tobramycin	Ampicillin	Amoxicillin-Clavulanate	Ampicillin-Sulbactam	Penicillin	Piperacillin-Tazobactam	Oxacillin	Imipenem	Meropenem	Ertapenem	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Vancomycin	Linezolid	Erythromycin	Clindamycin	TMP-SMZ	Ciprofloxacin	Levofloxacin	Moxifloxacin	Nitrofurantoin[a]	Tetracycline	Tigecycline
E. coli	2072	99	92	98	60		81		99		100	100	100	97	94	99	95					80	84	79	77	99		100
Citrobacter diversus	43	100	100	100	0				100		100	100	100	100	100	100	100					100	100	100	100	100		100
Kleb. pneumoniae	319	100	98	99	0		92		98		100	100	99	98	96	99	97					93	99	100	100	86		100
Enterobacter aerogenes	26	100	100	100	0				100		100	100	100	100	0	100	96					96	100	100	100	63		100
Serratia marcescens	25	100	100	100	0						100	100	100	100	0	100	100					100	100	100	100	0		100
Proteus mirabilis	135	100	99	100	82		97		100		100	100	99	98	96	100	99					88	94	100	94	0		
Ps. aeruginosa	113	99	98	99					99		95	98		94		99							89					
Staph aureus	514		99			73		23		73					73			100	100	53	75	98		87	95	100	93	
Strep pneumoniae[b]	33							90[c]				94					96[c]	100	100	80	86	85					86	
Strep pneumoniae[b]	33							96[d]				94					96[d]	100	100	80	86	85					86	
Enterococcus species	345				95			95										96	98					84		97	25	
Neisseria gonorrhoeae	71																100						68				66	

[a]Susceptible to levels achievable in urine only.
[b]Blood Isolates from hospital or ED patients
[c]Based on Interpretive Criteria for Meningitis
[d]Based on Interpretive Criteria for Non-Meningitis

Prepared by Dwight J. Hardy, Ph.D.
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UR Medicine Labs - Antibiotic Susceptibility Profiles
(Data Collected 7/1/2015 - 6/30/2016)
Percent of Isolates Susceptible to Achievable Serum Levels
Isolates from Community Pediatric (<= 16 yo) Outpatients

ORGANISM	No. of Non-Duplicate Isolates	Amikacin	Gentamicin	Tobramycin	Ampicillin	Amoxicillin-Clavulanate	Ampicillin-Sulbactam	Penicillin	Piperacillin-Tazobactam	Oxacillin	Imipenem	Meropenem	Ertapenem	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Vancomycin	Linezolid	Erythromycin	Clindamycin	TMP-SMZ	Ciprofloxacin	Levofloxacin	Moxifloxacin	Nitrofurantoin[a]	Tetracycline	Tigecycline
E. coli	208	100	92	98	65		84		100		100	100	100	98	96	99	97					87	96	90	90	99		100
Kleb. pneumoniae	10	100	100	100	0		100		100		100	100	100	100	100	100	100					100	100	100	100	100		100
Proteus mirabilis	13	100	100	100	92		92		100			100	100	100	92	100	100					100	100			0		
Ps. aeruginosa	13	92	92	100					100		100	100		90		100							100					
Staph aureus	174		100			74		16		74					74			100	100	50	79	100		97	99	100	95	
Enterococcus species	70				98			98										100	100					92		95	48	

[a] Susceptible to levels achievable in urine only.

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