

**To:** Clients of URMCLabs

**From:** Dwight J. Hardy Ph.D.  
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**Re:** Cumulative Antibiograms for Community Outpatient Infections

**Date:** 9/7/2011

Cumulative susceptibility test data (often referred to as an antibiogram) summarize results from many patient isolates and 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 from hospitalized patients and nursing home patients have been excluded from these data.*

Data from Community Pediatric Outpatients (patients  $\leq 16$  years old) have been analyzed separately from Community Adult Outpatients (patients  $\geq 17$  years old) (see tables below).

For additional information contact Dwight J. Hardy, Ph.D., Director, Clinical Microbiology Laboratories at 275-1408 or [dwight\\_hardy@urmc.rochester.edu](mailto:dwight_hardy@urmc.rochester.edu).

**Strong Memorial Hospital Antibiotic Susceptibility Profile  
(1/1/2011 - 6/30/2011)**

**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	Penicillin	Piperacillin-Tazobactam	Oxacillin	Imipenem	Meropenem	Ertapenem	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Vancomycin	Erythromycin	Clindamycin	TMP-SMZ	Ciprofloxacin	Levofloxacin	Moxifloxacin	Linezolid	Nitrofurantoin <sup>a</sup>	Tetracycline	Tigecycline	Minocycline	
<i>E. coli</i>	2200	99	93	98	62			97		100	100	99	97	94	97	97				82	84		84		98		100		
<i>Citrobacter freundii</i>	49	100	89	100	0								100	0	100	89				73	93				93		100		
<i>Kleb. pneumoniae</i>	432	99	97	99	0			91		100	100	100	97	95	97	97				90	96		96		74		100		
<i>Enterobacter cloacae</i>	76	100	97	100	0			100		100	100	100	100	3	100	94				86	97		96		70		98		
<i>Serratia marcescens</i>	38	100	100	100	0			100		100	100	100	100	0	100	100				100	100				0		100		
<i>Proteus mirabilis</i>	208	100	96	100	85			100		93	100	100	93	92	96	96				90	98				0		100		
<i>Ps. aeruginosa</i>	164	92	90	96				94		94	96		88		94						79								
<i>S. maltophilia</i>	14																			100		100							100
<i>Staph aureus</i>	676		99			62	16		62					62			100	41	69	97		79	88	100	99	95	100		
<i>Enterococcus</i>	619		83 <sup>b</sup>		95		95										97					83		100	96	26	100		
<i>Neisseria gonorrhoeae</i>	48															100					69						29		

<sup>a</sup> Susceptible to levels achievable in urine only.

<sup>b</sup> Susceptible to high level gentamicin.

**Strong Memorial Hospital Antibiotic Susceptibility Profile  
(1/1/2011 - 6/30/2011)**

**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	Penicillin	Piperacillin-Tazobactam	Oxacillin	Imipenem	Meropenem	Ertapenem	Aztreonam	Cefazolin	Cefepime	Ceftriaxone	Vancomycin	Erythromycin	Clindamycin	TMP-SMZ	Ciprofloxacin	Levofloxacin	Moxifloxacin	Linezolid	Nitrofurantoin <sup>a</sup>	Tetracycline	Tigecycline		
<i>E. coli</i>	156	100	95	99	59			100		100	100	100	100	98	100	100				81	98		98		100		100		
<i>Kleb. pneumoniae</i>	12	100	100	100	0									91	91	91				83	100		100						100
<i>Proteus mirabilis</i>	11	100	100	100	100									100	100	100				100	100								
<i>Ps. aeruginosa</i>	12	100	100	100				100		100	100				100						100								
<i>Staph aureus</i>	151		100			73	9		73					73			100	53	79	98		91	97	100	100	93	100		
<i>Enterococcus</i>	47		94 <sup>b</sup>		97		97										100					89		100	100	31	100		

<sup>a</sup> Susceptible to levels achievable in urine only.

<sup>b</sup> Susceptible to high level gentamicin.