

**UCSF Benioff Children's Hospital Oakland  
Antibiogram 2016**

# of isolates	317	141	65	2	78	22	38	38	12	33	5	15	585	53	12	50	10	67	19	0	12	
Antibiotic	Cost (Pediatric/Adult)	Meth-SUSCEPTIBLE Staph aureus (MSSA)	Meth-RESISTANT Staph aureus (MRSA)	Coagulase-negative Staphylococcus	Group B Streptococcus	Enterococcus sp	Viridans Streptococcus	Strep pneumoniae (CSF)	Strep pneumoniae (non-CSF)	Citrobacter freundii	Enterobacter cloacae	Enterobacter aerogenes	Serratia marcescans	Escherichia coli	Klebsiella pneumoniae	Klebsiella oxytoca	Proteus mirabilis	Acinetobacter sp	Pseudomonas aeruginosa	Stenotrophomonas maltophilia	Salmonella sp	Shigella sp
penicillin (PO)	\$	0%	R	0%	S		50%	76%														
penicillin (IV)	\$ / \$\$	0%	R	0%	S		50%	76%	95%													
amoxicillin	\$		R		S	92%		94%	R	R	R	R	50%	R	R	82%	R	R	R			36%
ampicillin	\$\$		R		S	92%	40%		R	R	R	R	50%	R	R	82%	R	R	R			36%
oxacillin	\$\$\$\$ / \$\$\$\$\$	100%	R	44%																		
amox-clavulanate	\$	S	R		S	92%		94%	R	R	R	R	86%	96%	92%	100%	R	R	R			
amp-sulbactam	\$\$	S	R		S	92%			R	R	R	R	55%	89%	58%	90%	100%	R	R	R		
piperacillin-tazo	\$\$\$\$ / \$\$\$\$\$	S	R			92%			100%	85%	100%	87%	98%	100%	83%	100%			99%	R		
aztreonam	\$\$\$ / \$\$\$\$\$								75%	85%	100%	93%	95%	96%	83%	96%	R		88%	R		
cefazolin	\$	S	R		S	R			R	R	R	R	93%*	97%*	71%*	100%*			R	R		
cefuroxime	\$\$ / \$\$\$	S	R			R		94%	R	R	R	R							R	R		
cefotaxime	\$\$	S	R		S	R	82%	95%	97%	83%	79%	100%	87%	95%	96%	83%	98%	70%	R	R		
ceftriaxone	\$ / \$\$	S	R		S	R	90%	97%	100%	83%	79%	100%	87%	95%	96%	83%	98%	70%	R	R		
ceftazidime	\$\$/\$\$\$		R			R			83%	82%	80%	93%	96%	98%	92%	100%	90%	93%	58%			
cefepime	\$\$	S	R		S	R		100%	100%	100%	100%	100%	96%	98%	100%	98%	90%	93%				
ertapenem	\$\$/\$\$\$\$	S	R		S				100%	88%	100%	100%	99%	100%	100%	100%	100%	R	R	R		
meropenem	\$\$ / \$\$\$\$	S	R		S			94%	94%	100%	100%	100%	100%	99%	100%	100%	100%	100%	97%	R		
gentamicin	\$	97% <sup>§</sup>	94% <sup>§</sup>	77% <sup>§</sup>		82% <sup>§</sup>			100%	100%	100%	100%	93%	96%	100%	96%	100%	90%	R			
tobramycin	\$								100%	100%	100%	80%	94%	96%	92%	96%	100%	96%	R			
amikacin	\$\$								100%	100%	100%	100%	99%	100%	100%	100%	100%	100%	97%	R		
nitrofurantoin	\$/\$\$	100%*	100%*	100%*		98%*			100%*	17%*	0%*	R	99%*	45%*	100%*	R						
trimeth-sulfa	IV: \$/\$\$; PO: \$	100%	99%	66%		R		59%	92%	91%	100%	100%	70%	87%	83%	88%	100%	R	100%			33%
azithromycin	\$							92%											R	R		
ciprofloxacin	\$	91%	51%	82%					100%	97%	100%	100%	90%	94%	100%	98%	100%	93%				92%
tetracycline or doxycycline	IV: \$\$; PO: \$	99%	95%					91%									R		R			
clindamycin	IV: \$/\$\$\$; PO: \$\$/\$	86%	84%		50%	R	86%	95%														
vancomycin	\$ / \$\$	100%	100%	100%	100%	100%	100%	100%														
linezolid	\$\$\$\$/\$\$\$\$\$	100%	100%	98%		99%	100%															

“S” denotes predictable susceptibility “R” denotes intrinsic resistance “\*” indicates data applicable only to uncomplicated urinary tract infections “§” denotes utility as synergistic agent only  
Antibiotic color code (streamline to narrower agents when appropriate): **Green** = narrower-spectrum/first-line agents **Yellow** = broader-spectrum agents **Red** = broadest-spectrum/last-line agents

**Additional information:**

- Values (%) indicate the % of tested isolates that were SUSCEPTIBLE to the antibiotic by in vitro testing.
- *Italicized* % values are based on old susceptibility breakpoints which have changed. The new breakpoints are not reflected in this document.
- Dollar signs indicate approximate cost of one day of therapy: \$=0-5 dollars, \$\$=5-25 dollars, \$\$\$=25-50 dollars, \$\$\$\$=50-100 dollars, \$\$\$\$\$=over 100 dollars.
- Dollar signs separated by “/” indicate cost difference between pediatric dose versus adult dose.