

**UCSF Benioff Children's Hospital Oakland
Antibiogram 2019**

# of isolates		523	427	96	37	23	-	8	66	22	28	28	17*	22	15*	31	463	68	15	56	25	72	24
Antibiotic	Cost (Pediatric/Adult)	Staph aureus (All)	Meth-SUSCEPTIBLE Staph aureus (MSSA)	Meth-RESISTANT Staph aureus (MRSA)	Coagulase-negative Staphylococcus	Staph lugdunensis	Group A Streptococcus	Group B Streptococcus	Enterococcus sp	Viridans Streptococcus	Strep pneumoniae (CSF)	Strep pneumoniae (non-CSF)	Citrobacter freundii	Enterobacter cloacae	Enterobacter/Klebsiella aerogenes	Serratia marcescans	Escherichia coli	Klebsiella pneumoniae	Klebsiella oxytoca	Proteus mirabilis	Acinetobacter sp	Pseudomonas aeruginosa	Stenotrophomonas maltophilia
penicillin PO	\$	0%	0%	R	0%	0%	S	S		77%	68%												
penicillin IV	\$\$	0%	0%	R	0%	0%	S	S		77%	68%	100%											
amoxicillin	\$			R			S	S	98%			100%	R	R	R	R	51%	R	R	86%	R	R	R
ampicillin	\$\$/\$\$\$			R			S	S	98%	75%			R	R	R	R	51%	R	R	86%	R	R	R
oxacillin	\$\$/\$\$\$	82%	100%	R	51%	96%	S																
amox-clav	\$	82%	S	R			S	S	98%			100%	R	R	R	R	88%	91%	100%	96%	R	R	R
amp-sulb	\$\$	82%	S	R			S	S	98%				R	R	R	R	59%	75%	80%	91%	100%	R	R
pip-tazo	\$\$/\$\$	82%	S	R					98%				94%	95%	80%	77%	98%	99%	100%	100%		97%	R
aztreonam	\$\$\$/\$\$\$\$\$												94%	91%	87%	90%	93%	87%	93%	98%	R	86%	R
cefazolin	\$	82%	S	R			S	S	R				R	R	R	R	71% 90%*	77% 85%*		75% 96%*		R	R
ceftriaxone	\$\$/\$\$	82%	S	R			S	S	R	100%	100%	100%	82%	86%	80%	94%	91%	88%	100%	98%	96%	R	R
ceftazidime	\$\$			R					R				94%	95%	80%	90%	93%	91%	100%	100%	84%	99%	29%
cefepime	\$/\$\$	82%	S	R			S	S	R	90%		100%	94%	100%	100%	100%	93%	91%	100%	100%	100%	94%	
ceftaroline	\$\$\$\$\$	100%	100%	100%																			
ertapenem	\$\$\$/\$\$\$\$	82%	S	R			S	S					100%	95%	93%	100%	99%	100%	100%	100%	R	R	R
meropenem	\$\$/\$\$\$	82%	S	R			S	S		100%	88%	88%	100%	100%	100%	100%	99%	100%	100%	100%	100%	97%	R
gentamicin	\$/\$\$	97% [§]	97% [§]	95% [§]	81% [§]	100% [§]			91% [§]				94%	100%	100%	97%	90%	96%	93%	98%	96%	94%	R
tobramycin	\$												94%	100%	100%	94%	91%	96%	93%	98%	96%	99%	R
amikacin	\$/\$\$												100%	100%	100%	100%	99%	100%	100%	100%	100%	97%	R
nitrofurantoin	\$\$\$		100%*		100%*				100%*				100%*	29%*	0%*	R	99%*	65%*	100%*	R			
trimeth-sulfa	IV:\$\$/\$\$\$;PO:\$	100%	100%	100%	68%	100%			R			88%	82%	91%	100%	100%	70%	82%	93%	93%	100%	R	100%
azithromycin	\$										71%											R	R
ciprofloxacin	\$	85%	91%	59%	73%	100%							94%	100%	100%	97%	89%	93%	100%	100%	96%	90%	
tetracycline/ doxycycline	IV:\$\$/\$\$\$;PO:\$	95%	96%	93%		100%						88%									R	R	
clindamycin	\$/\$\$	89%	89%	88%	78%			50%	R	91%		87%											
vancomycin	\$\$	100%	100%	100%	100%	100%	S	100%	100%	100%	100%	100%											
linezolid	IV:\$\$/\$\$\$;PO:\$\$	100%	100%	100%	100%	100%			100%	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.
- 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.