

## UCSF Benioff Children's Hospital Oakland Antibiogram 2022

# of isolates		525	408	115	36	29	-	1	76	21	16	16	12	26	10	26	425	53	13	40	18	81	22
Antibiotic	Cost (Pediatric /Adult)	Staphylococcus 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	Viridians Streptococcus	Strep pneumoniae (CSF)	Strep pneumoniae (non-CSF)	Citrobacter freundii	Enterobacter cloacae	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					R										
penicillin IV	s/ss	0%	0%	R	0%	0%	S	S		81% (n-21)	75%	100%	R										
amoxicillin	\$			R			S	S	99%			100%	R	R	R	R	50%	R	R	78%	R	R	R
ampicillin	ss/sss			R			S	S	99%	77% (n-13)			R	R	R	R	50%	R	R	78%	R	R	R
oxacillin	ss/sss	78%	100%	R	42%	86%	S																
amox-clav	\$	78%	S	R			S	S	99%			100%	R	R	R	R	87%	98%	100%	98%	R	R	R
amp-sulb	ss	78%	S	R			S	S	99%				R	R	R	R	60%	81%	85%	90%	94%	R	R
pip-tazo	s/ss	78%	S	R					99%				92%	81%	80%	88%	99%	100%	92%	100%		96%	R
aztreonam	sss/sss \$												75%	62%	80%	96%	91%	94%	85%	95%	R	88%	R
cefazolin	\$	78%	S	R			S	S	R				R	R	R	R	72% 89%*	89% 94%*	31%	60% 97%*		R	R
ceftriaxone	s/ss	78%	S	R			S	S	R	100% (n-21)	86%	100%	67%			92%	92%	94%	92%	98%	56%	R	R
ceftazidime	ss			R					R				67%		80%	77%	92%	94%	100%	98%	78%	95%	45%
cefepime	s/ ss	78%	S	R			S	S	R	87% (n-8)		100%	92%	92%	100%	100%	92%	94%	100%	98%	72%	94%	
ceftaroline	sssss	99%	99%	98%																			
ertapenem	sss/sss	78%	S	R			S	S					92%	88%	90%	100%	100%	100%	100%	100%	R	R	R
meropenem	ss/sss	78%	S	R			S	S		92%	77%	77%	100%	100%	100%	100%	100%	100%	100%	100%	89%	96%	R
gentamicin	s/ss	94% <sup>\$</sup>	95% <sup>\$</sup>	91% <sup>\$</sup>	89% <sup>\$</sup>	97% <sup>\$</sup>			88% <sup>\$</sup>				100%	96%	100%	100%	89%	96%	100%	92%	89%	R	R
tobramycin	\$												100%	92%	100%	92%	92%	96%	100%	92%	89%	98%	R
amikacin	s/ss												100%	100%	100%	100%	99%	100%	100%	100%	89%	94%	R
nitrofurantoin	sss		100%*		100%*	100%			100%*				89%*	38%*	0%*	R	99%*	47%*	100%*	R			
trimeth-sulfa	IV:ss/sss :PO:\$	99%	99%	100%	71%	100%			R			79%	92%	77%	100%	100%	69%	79%	100%	78%	83%	R	100%
azithromycin	\$											71%										R	R
ciprofloxacin	\$	84%	96%	44%	83%	100%							100%	100%	90%	92%	88%	98%	100%	90%	89%	96%	
tetracycline/ doxycycline	IV:ss/sss :PO:\$	91%	95%	80%		100%						79%									R	R	
daptomycin		99%	99%	100%	100%	100%			100%														
clindamycin	s/ss	84%	84%	83%		79%		100%	R	77% n-13		87%											
vancomycin	ss	100%	100%	100%	100%	100%	S	100%	99%	100%	100%	100%											
linezolid	IV:ss/sss :PO:ss	99%	100%	99%	100%	100%			99%	100%													

**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.  
 - "R" denotes intinsic resistance\*\*\* indicates data applicable only to uncomplicated urinary tract infections "\$" denotes utility as synergistic agent only  
 - "S" denotes predictable susceptibility  
 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