

Chambersburg Hospital
2020 Cumulative Antimicrobial Susceptibility Report*

Percent Susceptible

Gram-Positive Organisms	No. Strains	B lactams						Other								
		Ampicillin	Cefotaxime	Ceftriaxone	Oxacillin	Penicillin VK	Penicillin G	Clindamycin	Erythromycin	Gentamicin	Tetracyclines	Trimethoprim-sulfamethoxazole	Vancomycin	Linezolid	Levofloxacin	
All Enterococcus spp. (E. faecalis, E. faecium, and others)	199	95	R	R	R	R	94	R	R	R	-	R	95	-	-	
E. faecalis	184	99	R	R	R	R	99	R	R	R	-	R	100	-	-	
E. faecium	5	60 ^a	R	R	R	R	60 ^a	R	R	R	-	R	100 ^a	-	-	
All Vancomycin-resistant Enterococcus (VRE)	11	36 ^a	R	R	R	R	36 ^a	R	R	R	-	R	R	100 ^a	-	
All S. aureus	552	-	-	-	61	-	-	68	45	-	91	97	100 ^e	-	-	
Oxacillin-resistant S. aureus (MRSA)	223	R	R	R	R	R	R	50	12	-	89	93	100 ^e	-	-	
Oxacillin-susceptible S. aureus (MSSA)	339	-	-	-	100	-	-	79	68	-	91	99	100 ^e	-	-	
Coag-negative staphylococci	280	-	-	-	52	R	R	71	40	96	80	80	100	-	-	
S. pneumoniae	13	-	-	-	-	-	-	83 ^a	67 ^a	R	-	-	100 ^a	-	100 ^a	
Meningitis	9	-	100 ^a	100 ^a	-	-	-	100 ^a	89 ^a	R	-	-	100 ^a	-	100 ^a	
Non-meningitis	11	-	100 ^a	94 ^a	-	-	-	100 ^a	82 ^a	64 ^a	R	-	-	100 ^a	-	100 ^a
Viridans group streptococci	26	-	-	96	-	-	-	62 ^{a,c}	77	50 ^a	R	-	-	100	-	-
Gram-Negative Organisms	No. Strains	B lactams								Other						
		Ampicillin	Cefazolin	Cefepime	Cefoxitin	Ceftazidime	Ceftriaxone	Imipenem	Piperacillin-tazobactam	Levofloxacin	Ciprofloxacin	Gentamicin	Nitrofurantoin	Trimethoprim-sulfamethoxazole		
A. baumannii	25	R	R	96 ^a	R	80 ^a	28 ^a	100 ^a	-	-	96 ^a	100 ^a	-	96 ^a		
Citrobacter freundii	31	R	R	90	R	-	71	100	81	-	94	97	90	94		
Enterobacter cloacae	93	R	R	98	R	-	86	100	85	-	100	97	26	95		
E. coli	1841	61	91	96	93	-	95	100	98	-	86	94	96	84		
K. aerogenes	47	R	R	98	R	-	87	100	74	-	98	98	16	98		
K. oxytoca	81	R	64	100	98	-	98	100	96	-	99	99	83	98		
K. pneumoniae	371	R	94	96	96	-	95	99	95	-	97	98	29	94		
Morganella morganii	24	R	R	96 ^a	38 ^a	88 ^a	96 ^a	88 ^a	96 ^a	-	75 ^a	88 ^a	R	83 ^a		
Proteus mirabilis	209	80	87	93	92	-	93	86	99	-	77	91	R	80		
Providencia	14	R	R	100 ^a	93 ^a	-	100 ^a	100 ^a	100 ^a	-	79 ^a	50 ^a	R	100 ^a		
P. aeruginosa	186	R	R	94	R	-	R	94	93	-	90	94	R	R		
Serratia Marcescens	58	R	R	98	R	-	98	-	-	-	97	100	R	100		
S. maltophilia	22	R	R	-	R	-	R	R	R	90	-	R	R	95		

*Date of Antibiogram prior to EMR change 1 January – 23 October 2020

The percent susceptible for each organism/antimicrobial combination was generated by including first isolate of that organism encountered on a given patient.

^aCalculated from fewer than the standard recommendation of 30 isolates.

^bBreakpoints differ for cefotaxime, ceftriaxone and penicillin based on diagnosis.

^c59% sensitive, 38% (n=15) intermediate, 3% resistant.

^dUrine isolates only.

^e1% (8/736) of Staph aureus isolates have a vancomycin MIC=2; vancomycin should not be used in these patients

% Susceptibility Key: Green: ≥ 85%, Yellow: 70-84%, Red: ≤ 69%