

Year 2016 2017 2018 2019

Uxbridge All Specimens: % Susceptibility

Gram Negative Organisms

	2016	2017	2018	2019	# isolates
<i>Escherichia coli (excluding ESBL)</i>	184	168	179		
Ampicillin	70	57	67		
Amoxicillin/Clavulanic acid		87	88		
Cefazolin	97	96	96		
Ceftriaxone	98	99	99		
Ceftazidime	98	99	99		
Piperacillin/Tazobactam	97	98	99		
Ertapenem	100	100	100		
Meropenem	100	100	100		
Gentamicin	96	97	96		
Tobramycin	97	97	96		
Amikacin	100	100	100		
Trimethoprim/Sulfamethoxazole	80	80	83		
Ciprofloxacin	90	88	91		
<i>Escherichia coli (including ESBL)</i>	98	196	184	186	# isolates
Ampicillin	62	66	52	63	
Amoxicillin/Clavulanic acid		84	88		
Cefazolin	98	91	88	92	
Ceftriaxone	99	92	90	95	
Ceftazidime	99	92	90	97	
Piperacillin/Tazobactam	100	96	98	99	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	92	95	95	96	
Tobramycin	92	94	95	95	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	77	79	76	82	
Ciprofloxacin	87	85	84	89	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

PLEASE NOTE

Exercise caution in interpretation if fewer than 30 organisms are reported for a given species.

It is recommended that at least 30 organism isolates are present for a given reporting period in order to perform valid statistical comparisons.

Year	2016	2017	2018	2019	
<i>Klebsiella pneumoniae</i>	15	14	32	23	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			94	87	
Cefazolin	93	100	94	83	
Ceftriaxone	93	100	97	95	
Ceftazidime	93	100	94	91	
Piperacillin/Tazobactam	100	100	94	96	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	87	100	100	100	
Tobramycin	87	100	100	100	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	80	93	94	87	
Ciprofloxacin	87	100	97	96	
<i>Enterobacter spp</i>	5	9	7	8	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			14	0	
Cefazolin		R	R	R	
Ceftriaxone	80	78	100	100	
Ceftazidime	80	78	100	100	
Piperacillin/Tazobactam	80	88	100	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	100	100	100	100	
Tobramycin	100	100	100	100	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	100	89	100	100	
Ciprofloxacin	100	100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	# isolates
<i>Proteus mirabilis</i>	8	12	12	11	
Ampicillin	75	92	58	91	
Amoxicillin/Clavulanic acid			100	100	
Cefazolin	88	100	92	90	
Ceftriaxone	88	100	92	91	
Ceftazidime	88	100	83	91	
Piperacillin/Tazobactam	100	100	100	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	88	100	92	91	
Tobramycin	88	100	83	91	
Amikacin	88	100	100	89	
Trimethoprim/Sulfamethoxazole	75	92	83	91	
Ciprofloxacin	75	83	83	64	
<i>Pseudomonas aeruginosa</i>	13	20	22	17	
Ampicillin					
Amoxicillin/Clavulanic acid			R	R	
Cefazolin					
Ceftriaxone					
Ceftazidime	92	90	95	88	
Piperacillin/Tazobactam	100	100	95	88	
Ertapenem					
Meropenem	92	100	95	94	
Gentamicin	85	100	91	94	
Tobramycin	100	100	100	94	
Amikacin	100	95	95	100	
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin	92	100	91	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
<i>Citrobacter freundii</i> complex	4	1	4	2	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			0	0	
Cefazolin		R	R	R	
Ceftriaxone	100	100	100	50	
Ceftazidime	100	100	100	50	
Piperacillin/Tazobactam	100	100	100	50	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	100	100	75	100	
Tobramycin	100	100	100	100	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	75	100	75	100	
Ciprofloxacin	100	100	75	100	
<i>Klebsiella oxytoca</i>	-	10	9	8	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			89	100	
Cefazolin	100	70	56	88	
Ceftriaxone	100	100	100	100	
Ceftazidime	100	100	100	100	
Piperacillin/Tazobactam	100	100	89	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	100	100	78	100	
Tobramycin	100	100	78	100	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	100	100	78	100	
Ciprofloxacin	100	100	89	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	<i>C. freundii</i> is intrinsically resistant to Amoxicillin/Clavulanic Acid
	<i>E. aerogens</i> and <i>E. cloacae</i> are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

Uxbridge All Specimens: % Susceptibility

Gram Positive Organisms

<i>Staphylococcus aureus</i>	39	46	51	48	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid			98	98	
Cloxacillin	87	96	80	88	
Cefazolin	97	96	80	88	
Clindamycin					
Erythromycin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin					
Tetracycline					
Rifampin					
Vancomycin					
<i>Staph aureus MSSA</i>	34	44	42	42	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid			100	100	
Cloxacillin	100	100	98	100	
Cefazolin	100	100	98	100	
Clindamycin	85	66	74	71	
Erythromycin	85	64	69	69	
Trimethoprim/Sulfamethoxazole	100	100	95	100	
Ciprofloxacin	94	93	98	90	
Tetracycline	100	95	98	98	
Rifampin	100	100	100	100	
Vancomycin	100	100	100	100	

	See MSSA and MRSA
	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
<i>Staph aureus MRSA</i>	5	2	9	6	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid			0	0	
Cloxacillin		R	R	R	
Cefazolin		R	R	R	
Clindamycin	40	100	78	83	
Erythromycin		0	33	0	
Trimethoprim/Sulfamethoxazole	100	100	100	100	
Ciprofloxacin		0	33	0	
Tetracycline	100	100	89	100	
Rifampin	100	100	100	100	
Vancomycin	100	100	100	100	
<i>Enterococcus species</i>	20	45	44	39	# isolates
Ampicillin	75	87	84	90	
Amoxicillin/Clavulanic Acid					
Cloxacillin	100				
Cefazolin					
Clindamycin	100				
Erythromycin	100				
Trimethoprim/Sulfamethoxazole	100				
Ciprofloxacin	55	69	77	82	
Tetracycline	39	36	40	26	
Rifampin	100				
Vancomycin	100	100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
<i>Enterococcus faecalis</i>			4	4	# isolates
Ampicillin			100	100	
Amoxicillin/Clavulanic Acid					
Cloxacillin					
Cefazolin					
Clindamycin					
Erythromycin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin			50	100	
Tetracycline			25	0	
Rifampin					
Vancomycin			100	100	
<i>Enterococcus faecium</i>			4		# isolates
Ampicillin			0		
Amoxicillin/Clavulanic Acid					
Cloxacillin					
Cefazolin					
Clindamycin					
Erythromycin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin			0		
Tetracycline			67		
Rifampin					
Vancomycin			100		

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

Uxbridge Blood Specimens: % Susceptibility

Gram Positive Organisms

<i>Staphylococcus aureus</i>	3	9	10	7	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid			100	100	
Cloxacillin	100	100	70	100	
Cefazolin	100	100	70	100	
High Level Gentamycin					
Vancomycin	100	100	100	100	
<i>Coagulase negative Staphylococcus</i>	0	1	1	1	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid					
Cloxacillin		100	100	0	
Cefazolin		100	100	0	
High Level Gentamycin					
Vancomycin		100	100	100	
<i>Enterococcus faecalis</i>	0	2	1	1	# isolates
Ampicillin		100	100	100	
Amoxicillin/Clavulanic Acid					
Cloxacillin					
Cefazolin					
High Level Gentamycin		100	100	100	
Vancomycin		100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

Uxbridge Blood Specimens: % Susceptibility

Gram Negative Organisms

<i>Escheria coli (excluding ESBL)</i>	7	16	9	# isolates
Ampicillin	86	63	67	
Amoxicillin/Clavulanic acid		100	78	
Cefazolin	100	88	67	
Ceftriaxone	100	100	100	
Ceftazidime	100	100	100	
Piperacillin/Tazobactam	100	100	100	
Ertapenem	100	100	100	
Meropenem	100	100	100	
Gentamicin	100	100	100	
Tobramycin	100	100	100	
Amikacin	100	100	100	
Trimethoprim/Sulfamethoxazole	86	88	100	
Ciprofloxacin	71	88	100	
<i>Escheria coli (including ESBL)</i>	6	8	19	10
Ampicillin	67	75	53	60
Amoxicillin/Clavulanic acid			89	80
Cefazolin	100	88	74	60
Ceftriaxone	100	88	84	90
Ceftazidime	100	88	84	90
Piperacillin/Tazobactam	100	100	100	100
Ertapenem	100	100	100	100
Meropenem	100	100	100	100
Gentamicin	100	100	95	100
Tobramycin	100	88	89	100
Amikacin	100	100	100	100
Trimethoprim/Sulfamethoxazole	83	75	84	90
Ciprofloxacin	67	63	74	90

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
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Year	2016	2017	2018	2019	# isolates
<i>Klebsiella pneumoniae</i>	2	2	4	4	
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			75	100	
Cefazolin	100	100	75	50	
Ceftriaxone	100	100	100	75	
Ceftazidime	100	100	75	75	
Piperacillin/Tazobactam	100	100	75	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	100	100	100	100	
Tobramycin	100	100	100	100	
Amikacin	100	100	100	100	
Trimethoprim/Sulfamethoxazole	100	100	100	75	
Ciprofloxacin	100	100	100	75	
<i>Enterobacter spp</i>		3	1	1	
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			0	0	
Cefazolin		R	R	R	
Ceftriaxone		67	100	100	
Ceftazidime		67	100	100	
Piperacillin/Tazobactam		100		100	
Ertapenem		100	100	100	
Meropenem		100	100	100	
Gentamicin		100	100	100	
Tobramycin		100	100	100	
Amikacin		100	100	100	
Trimethoprim/Sulfamethoxazole		100	100	100	
Ciprofloxacin		100	100	100	

	90% or greater susceptible
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	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
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Year	2016	2017	2018	2019	# isolates
<i>Pseudomonas aeruginosa</i>		0	1	2	
Ampicillin					
Amoxicillin/Clavulanic acid			R	R	
Cefazolin					
Ceftriaxone					
Ceftazidime			100	100	
Piperacillin/Tazobactam			100	100	
Ertapenem					
Meropenem			100	100	
Gentamicin			0	100	
Tobramycin			100	100	
Amikacin			0	100	
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin			100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

Uxbridge Urine Specimens: % Susceptibility

Gram Negative Organisms

<i>Escheria coli (excluding ESBL)</i>	180	156	174	# isolates
Ampicillin	70	57	67	
Amoxicillin/Clavulanic acid		86	89	
Cefazolin	97	96	97	
Ceftriaxone	98	99	98	
Ceftazidime	98	99	99	
Piperacillin/Tazobactam	97	97	99	
Ertapenem	100	100	100	
Meropenem	100	100	100	
Gentamicin	96	97	96	
Tobramycin	97	97	96	
Amikacin	100	100	100	
Nitrofurantoin	98	96	97	
Trimethoprim/Sulfamethoxazole	81	80	82	
Ciprofloxacin	91	88	90	
<i>Escheria coli (including ESBL)</i>	93	191	169	181 # isolates
Ampicillin	61	66	53	65
Amoxicillin/Clavulanic acid			84	88
Cefazolin		92	89	93
Ceftriaxone	99	92	91	94
Ceftazidime	99	92	91	97
Piperacillin/Tazobactam	100	96	98	99
Ertapenem	100	100	100	100
Meropenem	100	100	100	100
Gentamicin	91	95	95	96
Tobramycin	91	94	95	95
Amikacin	100	100	100	100
Nitrofurantoin	97	98	96	97
Trimethoprim/Sulfamethoxazole	76	79	76	81
Ciprofloxacin	88	86	84	88

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
<i>Klebsiella pneumoniae</i>	14	12	28	21	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			96	86	
Cefazolin		100	96	90	
Ceftriaxone	93	100	96	100	
Ceftazidime	93	100	96	95	
Piperacillin/Tazobactam	100	100	96	95	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	86	100	100	100	
Tobramycin	86	100	100	100	
Amikacin	100	100	100	100	
Nitrofurantoin	50	58	50	24	
Trimethoprim/Sulfamethoxazole	79	92	93	90	
Ciprofloxacin	86	100	96	100	
<i>Enterobacter spp</i>	4	6	6	6	# isolates
Ampicillin		R	R	R	
Amoxicillin/Clavulanic acid			17	0	
Cefazolin		R	R	R	
Ceftriaxone	75	83	100	100	
Ceftazidime	75	83	100	100	
Piperacillin/Tazobactam	75	83	100	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	100	100	100	100	
Tobramycin	100	100	100	100	
Amikacin	100	100	100	100	
Nitrofurantoin	50	33	67	50	
Trimethoprim/Sulfamethoxazole	100	83	100	100	
Ciprofloxacin	100	100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	# isolates
<i>Proteus mirabilis</i>	7	10	11	10	
Ampicillin	71	100	64	90	
Amoxicillin/Clavulanic acid			100	100	
Cefazolin		100	100	90	
Ceftriaxone	86	100	100	90	
Ceftazidime	86	100	91	90	
Piperacillin/Tazobactam	100	100	100	100	
Ertapenem	100	100	100	100	
Meropenem	100	100	100	100	
Gentamicin	86	100	100	90	
Tobramycin	86	100	91	90	
Amikacin	86	100	100	88	
Nitrofurantoin		R	R	R	
Trimethoprim/Sulfamethoxazole	71	90	91	90	
Ciprofloxacin	86	80	91	70	
<i>Pseudomonas aeruginosa</i>	6	16	12	13	# isolates
Ampicillin					
Amoxicillin/Clavulanic acid			R	R	
Cefazolin					
Ceftriaxone					
Ceftazidime	100	94	92	85	
Piperacillin/Tazobactam	100	100	92	92	
Ertapenem					
Meropenem	83	100	92	100	
Gentamicin	67	100	83	100	
Tobramycin	100	100	100	100	
Amikacin	100	94	92	100	
Nitrofurantoin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin	100	100	92	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

Uxbridge Urine Specimens: % Susceptibility

Gram Positive Organisms

<i>Staphylococcus aureus</i>	4	4	4	2	# isolates
Ampicillin					
Amoxicillin/Clavulanic Acid			100	100	
Cefazolin	100	100	75	100	
Cloxacillin	75	100	75	100	
Trimethoprim/Sulfamethoxazole	100	100	100	100	
Ciprofloxacin	25	100	75	100	
Nitrofurantoin	100	100	100	100	
Tetracycline	100	100	100	100	
Rifampin	100	100	100	100	
Vancomycin	100	100	100	100	
<i>Enterococcus species</i>	20	41	40	38	# isolates
Ampicillin	75	88	90	89	
Amoxicillin/Clavulanic Acid					
Cefazolin					
Cloxacillin	100				
Trimethoprim/Sulfamethoxazole	100				
Ciprofloxacin	55	68	80	82	
Nitrofurantoin	90	88	93	89	
Tetracycline	39	39	40	29	
Rifampin	100				
Vancomycin	100	100	100	100	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
<i>Enterococcus faecalis</i>			2		# isolates
Ampicillin			100		
Amoxicillin/Clavulanic Acid					
Cefazolin					
Cloxacillin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin			50		
Nitrofurantoin			100		
Tetracycline			50		
Rifampin					
Vancomycin			100		
<i>Enterococcus faecium</i>			1		# isolates
Ampicillin			0		
Amoxicillin/Clavulanic Acid					
Cefazolin					
Cloxacillin					
Trimethoprim/Sulfamethoxazole					
Ciprofloxacin			0		
Nitrofurantoin			0		
Tetracycline			100		
Rifampin					
Vancomycin			100		

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year 2016 2017 2018 2019

All locations *S. pneumoniae* Specimens: % Susceptibility

Gram Positive Organisms

Blood culture and spinal fluid specimens	33	38	34	41	# isolates
Penicillin V (oral)					
Penicillin G (parenteral)					
Ceftriaxone					
Levofloxacin	100	100	100	100	
Meropenem	100	94	94	95	
Vancomycin	100	100	100	100	
Trimethoprim/Sulfamethoxazole					
Erythromycin					
Meningeal interpretation	33	42	38	41	# isolates
Penicillin V (oral)					
Penicillin G (parenteral)	85	90	89	90	
Ceftriaxone	97	95	95	98	
Levofloxacin					
Meropenem					
Vancomycin					
Trimethoprim/Sulfamethoxazole					
Erythromycin					
Non-meningeal interpretation	33	42	38	41	# isolates
Penicillin V (oral)					
Penicillin G (parenteral)	100	100	97	100	
Ceftriaxone	100	100	100	100	
Levofloxacin					
Meropenem					
Vancomycin					
Trimethoprim/Sulfamethoxazole					
Erythromycin					

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	<i>C. freundii</i> is intrinsically resistant to Amoxicillin/Clavulanic Acid
	<i>E. aerogenes</i> and <i>E. cloacae</i> are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection

Year	2016	2017	2018	2019	
All specimens except blood cultures and spinal fluid specimens	29	40	30	30	# isolates
Penicillin V (oral)	79	72	90	83	
Penicillin G (parenteral)	100	91	100	100	
Ceftriaxone	100	92	100	100	
Levofloxacin	97	97	97	100	
Meropenem					
Vancomycin					
Trimethoprim/Sulfamethoxazole	90	88	86	80	
Erythromycin	66	60	76	57	

	90% or greater susceptible
	50-89% susceptible
	less than 50% susceptible
	antibiotic not tested
	less than 30 organisms reported
R	Intrinsic/Acquired Resistance
	C. freundii is intrinsically resistant to Amoxicillin/Clavulanic Acid
	E. aerogens and E. cloacae are intrinsically resistant to Amoxicillin/Clavulanic Acid
	Results for this drug not available - as per CLSI these drugs lack efficacy and are not suitable for AST or treatment of infection