

# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2023 - December 31, 2023

#### Blood Isolates – % Susceptible

		≥80% Susceptible <span style="color: green;">■</span> 70-79% Susceptible <span style="color: yellow;">■</span> ≤69% Susceptible <span style="color: red;">■</span>																					
#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
<b>ALL BACTERIA</b>	<b>614</b>	—	<b>7</b>	<b>16</b>	<b>35</b>	<b>42</b>	<b>39</b>		<b>26</b>	<b>47</b>							<b>56</b>						
<b>ALL GRAM-NEGATIVE BACTERIA</b>	<b>176</b>	<b>100</b>	<b>13</b>	<b>46</b>	<b>63</b>	<b>96</b>	<b>81</b>		<b>37</b>	<b>60</b>	<b>71</b>				<b>51</b>		<b>65</b>	<b>89</b>	<b>94</b>	<b>97</b>			
<i>Escherichia coli</i>	74	42	31	56	67	100	100		42	72	72				34		54	86	91	100			
<i>Klebsiella pneumoniae</i>	42	24	0	83	83	100	98		81	86	86				71		86	93	93	98			
<i>Enterobacter cloacae</i>	16	9	0	0	7	100	93		0	0	0				87		88	93	100	100			
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	16	9														94	100						
<i>Pseudomonas aeruginosa</i>	13	7			69	77					77				54			92	100	92			
<i>Klebsiella oxytoca</i>	6	3	0	67	67	100	100		0	100	100				100		83	100	100	100			
<i>Citrobacter freundii</i>	4	2	0	0	0	100	100		0	0	0				50		50	50	100	100			
<i>Serratia marcescens</i>	2	1	0	0	0	100	100		0	0	0				100		100	100	100	100			
<b>ALL GRAM-POSITIVE BACTERIA</b>	<b>438</b>	<b>100</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>25</b>	<b>22</b>	<b>22</b>	<b>21</b>	<b>22</b>	<b>42</b>						<b>50</b>					<b>96</b>	
Coagulase-negative staphylococci	251	57				29	29	29	29	29							60					100	100
Viridans group streptococci <sup>*</sup>	90	21								97												100	
<i>Enterococcus faecium</i> , all isolates	55	13	4	4	4																71		
- vancomycin-susceptible	39	9	5	5	5																100		
- vancomycin-resistant (VRE)	16	4	0	0	0																0	100	0
<i>Staphylococcus aureus</i> , all isolates	22	5				77	77	77	77	77								100			100	100	
- methicillin-susceptible	17	4				100	100	100	100	100								100			100	100	
- methicillin-resistant (MRSA)	5	1				0	0	0	0	0								100			100	100	
<i>Enterococcus faecalis</i> , all isolates	13	3	92	92	92																	100	
Group B streptococci <sup>**</sup>	2	0			100								0	0								100	
Group A streptococci <sup>**</sup>	2	0			100								100									100	
Group G streptococci <sup>**</sup>	2	0			100								50	50								100	
<i>Enterococcus gallinarum</i>	1	0	100	100	100																	0	

**General Notes:**

- Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

**Year-Specific Notes:**

- Only a limited number of coagulase negative staphylococci isolates were tested for susceptibilities. The vast majority of coagulase-negative staphylococci are susceptible to vancomycin. If you have any questions, please contact the UHN/MSH Department of Microbiology.

**Organism-Specific Notes:**

- \*\* Beta-hemolytic streptococci: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
- \* Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.
- † S. maltophilia: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2023 - December 31, 2023

#### Respiratory Isolates – % Susceptible

		Ampicillin	Amoxicillin-Clavulanic acid	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
#	%																				

<b>ALL BACTERIA</b>	70	–	3	71	78	30	26	38							54						
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ALL GRAM-NEGATIVE BACTERIA	42	100	5	77	88	7	17	69						56	23	81	73	73			
<i>Pseudomonas aeruginosa</i>	24	57		83	91					91				78		87	96	92			
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	6	14												67	100						
<i>Escherichia coli</i>	3	7	0	33	67	100		0	67	67				33	33	100					
<i>Moraxella catarrhalis</i> <sup>^</sup>	3	7																			
<i>Klebsiella pneumoniae</i>	2	5	0	50	50	100	100	0	50	50				50	100	100					
<i>Enterobacter cloacae</i>	1	2	0	0		100		0	0	0									100		
<i>Klebsiella oxytoca</i>	1	2	0	0	0	100	100	0	0	0				0	0	0	0	100			
<i>Pseudomonas putida</i>	1	2			100		0			100				100	0	100	100				
<i>Burkholderia cepacia</i>	1	2																			

ALL GRAM-POSITIVE BACTERIA	28	100			64	64	64	64	64	64		72	57		96					96	
<i>Staphylococcus aureus</i> , all isolates	27	96			67	67	67	67	67			74	59	85	100					100	100
- methicillin-susceptible	18	64			100	100	100	100	100			78	72	100	100					100	100
- methicillin-resistant (MRSA)	9	32			0	0	0	0	0			67	33	56	100					100	100
<i>Enterococcus faecium</i> , all isolates	1	4	0	0																0	

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**Organism-Specific Notes:**

- <sup>^</sup> *M. catarrhalis*: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- <sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2023 - December 31, 2023

#### Urine Isolates – % Susceptible

	#	%	Antibiotics																				
			Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone	Ceftazidime	Doxycycline	Ciprofloxacin	Trimethoprim-Sulfamethoxazole	Nitrofurantoin	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	
<b>ALL BACTERIA</b>	<b>639</b>	<b>—</b>	<b>19</b>	<b>60</b>		<b>70</b>	<b>72</b>	<b>66</b>		<b>9</b>	<b>2</b>	<b>49</b>		<b>43</b>	<b>64</b>	<b>51</b>	<b>68</b>						
<b>ALL GRAM-NEGATIVE BACTERIA</b>	<b>451</b>	<b>100</b>	<b>2</b>	<b>59</b>		<b>70</b>	<b>99</b>	<b>90</b>		<b>10</b>		<b>66</b>	<b>72</b>	<b>46</b>	<b>66</b>	<b>68</b>	<b>67</b>	<b>94</b>	<b>53</b>	<b>92</b>			
<i>Escherichia coli</i>	246	55	3	71		77	100	100		18		81	81	75	55	70	98	92	39	100			
<i>Klebsiella pneumoniae</i>	77	17	0	81		84	100	100		0		84	84		71	74	26	97	71	100			
<i>Enterobacter cloacae</i>	35	8	0	0		9	100	97		0	0	0	0	67	86	78	46	97	94	100			
<i>Pseudomonas aeruginosa</i>	29	6				90	93						93		83			96	100	96			
<i>Proteus mirabilis</i>	22	5	0	86		91	100	100		0		91	91		82	68	0	86	0	0			
<i>Klebsiella oxytoca</i>	12	3	0	92		92	100					100	100		92	100	100	100					
<i>Citrobacter freundii</i>	8	2	0	0		0	88	100		0	0	0	0		75	62	100	88	75	100			
<i>Citrobacter koseri</i>	7	2	0	0		0	100	100		0	0	0	0		100	100	71	100	100	100			
<i>Serratia marcescens</i>	5	1	0	0		0	100	100		0	0	0	0		100	100	0	100	100	100			
<i>Morganella morganii</i>	4	1	0	0		0	75	75		0	0	0	0		50	50	0	100	75	75			
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	2	0														100	0						
<i>Providencia rettgeri</i>	2	0	0	0		0	100	100		0	0	0	0		0	100	0	100	100	100			
<i>Citrobacter amalonaticus</i>	1	0	0	0		0				0	0	0	0		100	100		100					
<i>Pseudomonas putida</i>	1	0				100		0			0		100		100	0	0	100	100				
<b>ALL GRAM-POSITIVE BACTERIA</b>	<b>188</b>	<b>100</b>	<b>62</b>	<b>62</b>	<b>1</b>	<b>69</b>	<b>8</b>	<b>8</b>	<b>7</b>	<b>8</b>	<b>8</b>	<b>8</b>		<b>35</b>	<b>61</b>	<b>10</b>	<b>72</b>				<b>93</b>	<b>99</b>	
<i>Enterococcus faecalis</i> , all isolates	112	60	99	99		98								34	86		99				100	100	
- vancomycin-susceptible	112	60	99	99		98								34	86		99				100	100	
- vancomycin-resistant (VRE)	0	0																					
<i>Enterococcus faecium</i> , all isolates	56	30	8	8		8								20	5		9				75	100	
- vancomycin-susceptible	42	22	10	10		10								26	7		5				100	100	
- vancomycin-resistant (VRE)	14	7	0	0		0								0	0		21				0	100	
- vancomycin-susceptible (vanA+)	0	0																					
<i>Staphylococcus aureus</i> , all isolates	17	9				82	82	82	82	82	82			94	82	100	94				100	100	
- methicillin-susceptible	14	7				100	100	100	100	100	100			93	100	100	93				100	100	
- methicillin-resistant (MRSA)	3	2				0	0	0	0	0	0			100		100	100				100	100	
Coagulase-negative staphylococci	1	1				0	0	0	0	0	0			100		100	100				100	100	
Group B streptococci**	1	1				100															100		
<i>Enterococcus casseliflavus</i>	1	1	100	100		100								0	100		100				100		

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† *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

**Princess Margaret Hospital ANTIBIOGRAM**  
**All Inpatients and Outpatients**  
**January 1, 2023 - December 31, 2023**

**Skin, Wound and Abscess Isolates – % Susceptible**

	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin

<b>ALL BACTERIA</b>	146	—	5	10		86	87	57		52	59							62						
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
<i>Pseudomonas aeruginosa</i>	39	68				95	97					92				86		19	93	88	89			
<i>Escherichia coli</i>	5	9	50	80		80	100	100		50	80	80				60			80	100	100			
<i>Klebsiella pneumoniae</i>	3	5	0	100		100	100				100	100				100		86	100					
<i>Klebsiella oxytoca</i>	3	5	0	100		100	100	100			100	100				100		83	100	100	100			
<i>Proteus mirabilis</i>	2	4	100	100		100	100				100	100				100		100	100					
<i>Enterobacter cloacae</i>	1	2	0	0		0	100	100		0	0	0				100			100	100	100			
<i>Morganella morganii</i>	1	2	0	0						0	0	0				0		100				100		
<i>Stenotrophomonas maltophilia</i>	1	2															100	100						
<i>Serratia marcescens</i>	1	2	0	0		0	100	100		0	0	0				100		50	100	100	100			
<i>Citrobacter koseri</i>	1	2	0	0						0	0	0				0		100				100		

<b>ALL GRAM-POSITIVE BACTERIA</b>	#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid	Daptomycin
<b>ALL GRAM-POSITIVE BACTERIA</b>	89	100	3	3		85	82	82	82	82	82				69	63			90					93
<i>Staphylococcus aureus</i> , all isolates	81	91				90	90	90	90	90						76	69	90	99				100	100
- methicillin-susceptible	73	82				100	100	100	100	100						77	71	96	100				100	100
- methicillin-resistant (MRSA)	8	9				0	0	0	0	0						62	50	38	92				100	100
<i>Enterococcus faecium</i> , all isolates	5	6	0	0		0																	40	
- vancomycin-susceptible	2	2	0	0		0																	100	
- vancomycin-resistant (VRE)	3	3	0	0		0																	0	100
<i>Enterococcus faecalis</i> , all isolates	3	3	100	100		100																		0

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- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

**Year-Specific Notes:**

**Organism-Specific Notes:**

- <sup>1</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.

# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2023 - December 31, 2023

#### All Isolates – % Susceptible

		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p>≥80% Susceptible <span style="color: green;">■</span></p> <p>70-79% Susceptible <span style="color: yellow;">■</span></p> <p>≤69% Susceptible <span style="color: red;">■</span></p> </div> <div style="text-align: center;"> <p>#      %</p> </div> </div>														Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<b>ALL BACTERIA</b>		1623	—	12	31	59	62	54	29	49						57																				
<b>ALL GRAM-NEGATIVE BACTERIA</b>		733	100	8	49	72	98	78	24	57	74			66	61	92	83	96																		
<i>Escherichia coli</i>		315	43	18	69	75	100	100	31	79	79			51	66	90	73	100																		
<i>Pseudomonas aeruginosa</i>		126	17			89	93				92			84		93	99	95																		
<i>Klebsiella pneumoniae</i>		120	16	0	83	85	100	98	66	86	86			73	81	97	92	98																		
<i>Enterobacter cloacae</i>		56	8	0	0	7	100	96	0	0	0			87	83	96	96	100																		
<i>Proteus mirabilis</i>		26	4	0	84	92	100	100	0	92	92			85	73	85	50	50																		
<i>Klebsiella oxytoca</i>		24	3	0	88	88	100	100	0	96	96			92	92	96	89	100																		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>		23	3												91	100																				
<i>Citrobacter freundii</i>		12	2	0	0	0	92	100	0	0	0			67	58	75	83	100																		
<i>Serratia marcescens</i>		9	1	0	0	0	100	100	0	0	0			100	100	100	100	100																		
<i>Citrobacter koseri</i>		8	1	0	0	0	100	100	0	0	0			100	100	100	100	100																		
<i>Morganella morganii</i>		5	1	0	0	0	80	80	0	0	0			60	60	100	80	80																		
<i>Pseudomonas putida</i>		5	1			100		0			100			100	0	100	100																			
<i>Moraxella catarrhalis</i> <sup>^</sup>		4	1																																	
<b>ALL GRAM-POSITIVE BACTERIA</b>		890	100	16	16	1	49	34	34	33	34	44		41	29		53				97															
Coagulase-negative staphylococci		344	39				33	33	33	33	33			52	29	87	61				100	100														
<i>Staphylococcus aureus</i> , all isolates		207	23				87	87	87	87	87			72	63	94	100				100	100														
- methicillin-susceptible		182	20				99	99	99	99	99			73	66	97	100				100	100														
- methicillin-resistant (MRSA)		25	3				0	0	0	0	0			64	44	72	100				100	100														
<i>Enterococcus faecium</i> , all isolates		112	13	5	5	5															74															
- vancomycin-susceptible		83	9	7	7	7															100															
- vancomycin-resistant (VRE)		29	3	0	0	0															0	100														
<i>Enterococcus faecalis</i> , all isolates		129	14	98	98	98															100															
Viridans group streptococci <sup>°</sup>		92	10							97											100															
Group B streptococci**		3	0			100							0	0							100															
Group A streptococci**		3	0			100							100								100															

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- \*\* Beta-hemolytic streptococci: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
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## All Inpatients and Outpatients

### January 1, 2023 - December 31, 2023

#### All Non-Urine Isolates – % Susceptible

		<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p>≥80% Susceptible <span style="color: green;">■</span></p> <p>70-79% Susceptible <span style="color: yellow;">■</span></p> <p>≤69% Susceptible <span style="color: red;">■</span></p> </div> <div style="display: flex; flex-direction: column; justify-content: space-around; text-align: center;"> <div style="border: 1px solid black; padding: 2px;">Ampicillin</div> <div style="border: 1px solid black; padding: 2px;">Amoxicillin-Clavulanic acid</div> <div style="border: 1px solid black; padding: 2px;">Penicillin</div> <div style="border: 1px solid black; padding: 2px;">Piperacillin-Tazobactam</div> <div style="border: 1px solid black; padding: 2px;">Meropenem</div> <div style="border: 1px solid black; padding: 2px;">Ertapenem</div> <div style="border: 1px solid black; padding: 2px;">Cloxacillin</div> <div style="border: 1px solid black; padding: 2px;">Cefazolin</div> <div style="border: 1px solid black; padding: 2px;">Ceftriaxone</div> <div style="border: 1px solid black; padding: 2px;">Ceftazidime</div> <div style="border: 1px solid black; padding: 2px;">Clindamycin</div> <div style="border: 1px solid black; padding: 2px;">Erythromycin</div> <div style="border: 1px solid black; padding: 2px;">Doxycycline</div> <div style="border: 1px solid black; padding: 2px;">Ciprofloxacin</div> <div style="border: 1px solid black; padding: 2px;">Moxifloxacin</div> <div style="border: 1px solid black; padding: 2px;">Trimethoprim-Sulfamethoxazole</div> <div style="border: 1px solid black; padding: 2px;">Gentamicin</div> <div style="border: 1px solid black; padding: 2px;">Tobramycin</div> <div style="border: 1px solid black; padding: 2px;">Amikacin</div> <div style="border: 1px solid black; padding: 2px;">Vancomycin</div> <div style="border: 1px solid black; padding: 2px;">Linezolid</div> </div> </div>																	
#	%																		
<b>ALL BACTERIA</b>	968	—	6	14	53	58	46	35	50						59				
<b>ALL GRAM-NEGATIVE BACTERIA</b>	316	100	8	33	73	97	58	24	43	75			63	49	90	95	97		
<i>Pseudomonas aeruginosa</i>	101	32			89	94				91			82		93	99	95		
<i>Escherichia coli</i>	85	27	30	56	67	100	100	41	71	71			36	53	87	91	100		
<i>Klebsiella pneumoniae</i>	52	16	0	82	82	100	98	79	84	84			71	86	92	91	98		
<i>Enterobacter cloacae</i>	22	7	0	0	5	100	95	0	0	0			90	90	95	100	100		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	22	7											91	100					
<i>Klebsiella oxytoca</i>	13	4	0	77	77	100	100	0	92	92			92	85	92	90	100		
<i>Proteus mirabilis</i>	5	2	0	80	100	100	100	0	100	100			80	80	60	100	100		
<i>Serratia marcescens</i>	4	1	0	0	0	100	100	0	0	0			100	100	100	100	100		
<i>Citrobacter freundii</i>	4	1	0	0	0	100	100	0	0	0			50	50	50	100	100		
<i>Moraxella catarrhalis</i> <sup>^</sup>	4	1																	
<i>Pseudomonas putida</i>	4	1			100		0			100			100	0	100	100			
<b>ALL GRAM-POSITIVE BACTERIA</b>	652	100	5	5	1	44	40	40	39	40	54	51	37	65				97	
Coagulase-negative staphylococci	273	42				33	33	33	33	33		52	29	87	61			100	100
<i>Staphylococcus aureus</i> , all isolates	191	29				87	87	87	87	87		74	64	94	100			100	100
- methicillin-susceptible	168	26				99	99	99	99	99		75	67	98	100			100	100
- methicillin-resistant (MRSA)	23	4				0	0	0	0	0		64	41	68	100			100	100
Viridans group streptococci <sup>°</sup>	92	14								97								100	
<i>Enterococcus faecium</i> , all isolates	65	10	3	3	3													69	
- vancomycin-susceptible	45	7	4	4	4													100	
- vancomycin-resistant (VRE)	20	3	0	0	0													0	100
<i>Enterococcus faecalis</i> , all isolates	24	4	96	96	96													100	
Group A streptococci**	3	0			100							100						100	
Group B streptococci**	2	0			100							0	0					100	
Group G streptococci**	2	0			100							50	50					100	

**General Notes:**

- Statistical validity of estimates of percent susceptibility for organisms for which there are fewer than 30 isolates reported is limited. Please take this into consideration when interpreting the reported results.
- Some organisms for which there were only very small numbers have been excluded from this report; however the total number of "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" listed includes these organisms.
- Reported susceptibilities for "ALL BACTERIA", "ALL GRAM-NEGATIVE BACTERIA", and "ALL GRAM-POSITIVE BACTERIA" reflect estimates only based on the weighted average of susceptibilities for all organisms included on this report as well as those that have been excluded, with assumptions made for those drugs for which susceptibilities were not tested.
- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

**Year-Specific Notes:**

**Organism-Specific Notes:**

- <sup>^</sup> *M. catarrhalis*: Susceptibility testing is not routinely performed. Most isolates are resistant to ampicillin and amoxicillin but are generally susceptible to other antibiotics commonly used for respiratory infections.
- \*\* Beta-hemolytic streptococci: Susceptibility testing to penicillin is not routinely performed since resistant strains have not been recognized. All isolates are considered susceptible to penicillin.
- <sup>°</sup> Viridans group streptococci: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.
- <sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.