

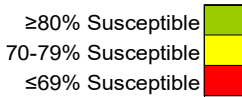
# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2021 - December 31, 2021

#### Blood 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>	561	—	9	20	39	45	41		28	47							54					
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	172	100	17	51	65	97	80		38	58	64				66		69	94	92	98		
<i>Escherichia coli</i>	68	40	39	72	76	99	99		54	81	81				51		65	94	90	97		
<i>Klebsiella pneumoniae</i>	37	22	0	76	76	97	97		70	78	78				78		81	89	86	97		
<i>Pseudomonas aeruginosa</i>	16	9			100	88					100				88			94	100	100		
<i>Enterobacter cloacae</i>	16	9	0	0	0	94	81		0	0	0				75		62	100	94	100		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	10	6														90	100					
<i>Klebsiella oxytoca</i>	7	4	0	86	86	100	100		43	86	86				100		100	100	100	100		

<b>ALL GRAM-POSITIVE BACTERIA</b>	389	100	6	6	29	23	23	23	23	43		41	30				46				97	
Coagulase-negative staphylococci	222	57			31	31	31	31	31			50	35	88			54				100	100
Viridans group streptococci <sup>*</sup>	76	20								100											100	
<i>Enterococcus faecium</i> , all isolates	43	11	4	4	4																88	
- vancomycin-susceptible	38	10	5	5	5																100	
- vancomycin-resistant (VRE)	5	1	0	0	0																0	100
<i>Staphylococcus aureus</i> , all isolates	26	7			81	81	81	81	81			77	69	96			96				100	100
- methicillin-susceptible	21	5			100	100	100	100	100			76	71	100			95				100	100
- methicillin-resistant (MRSA)	5	1			0	0	0	0	0			80	60	80			100				100	100
<i>Enterococcus faecalis</i>	16	4	100	100	100																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:

- 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:

- <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.

**Princess Margaret Hospital ANTIBIOGRAM**  
**All Inpatients and Outpatients**  
**January 1, 2021 - December 31, 2021**

**Respiratory Isolates – % Susceptible**

		<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <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>																								
#	%	Ampicillin	Amoxicillin-Clavulanic acid	Penicillin	Penicillin IV (meningitis)	Penicillin IV (non-meningitis)	Piperacillin-Tazobactam	Meropenem	Ertapenem	Cloxacillin	Cefazolin	Ceftriaxone	Ceftriaxone (meningitis)	Ceftriaxone (non-meningitis)	Ceftazidime	Clindamycin	Erythromycin	Doxycycline	Ciprofloxacin	Moxifloxacin	Trimethoprim-Sulfamethoxazole	Gentamicin	Tobramycin	Amikacin	Vancomycin	Linezolid
<b>ALL BACTERIA</b>	63	—	5	14			81	84	42		36	56									72					
<b>ALL GRAM-NEGATIVE BACTERIA</b>	33	100	9	27			85	96	12			35			67				77		58	100	71	71		
<i>Pseudomonas aeruginosa</i>	13	39					100	92						100					100			100	100	100		
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	7	21																	100	100						
<i>Klebsiella pneumoniae</i>	5	15	0	100			100	100				100		100					100		100	100				
<i>Enterobacter cloacae</i>	2	6	0	0			0	100	100		0	0		0					100		100	100	100	100		
<i>Haemophilus influenzae</i> <sup>^^</sup>	2	6	100																							
<b>ALL GRAM-POSITIVE BACTERIA</b>	30	100					77	74	74	74	74	74			67	57					86				84	
<i>Staphylococcus aureus</i> , all isolates	25	83					92	92	92	92	92				76	68	84				100				100	100
- methicillin-susceptible	23	77					100	100	100	100	100				74	74	87				100				100	100
- methicillin-resistant (MRSA)	2	7					0	0	0	0	0				100	0	50				100				100	100
<i>Mycobacterium tuberculosis complex</i>	3	10																								
<i>Enterococcus faecium</i>	1	3	0	0			0																		0	
- vancomycin-resistant (VRE)	1	3	0	0			0																		0	100
<i>Streptococcus anginosus group</i> <sup>**</sup>	1	3			100							100													100	
<i>Streptococcus pneumoniae</i>	1	3			0	100						0	100		100	0				100					100	

**General Notes:**

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- 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.
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- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

**Organism-Specific Notes:**

- <sup>^^</sup> *H. influenzae* and *H. parainfluenzae*: Susceptibility to ampicillin was determined using beta-lactamase testing. Beta-lactamase-positive isolates are resistant to ampicillin but are generally susceptible to amoxicillin-clavulanic acid and cefuroxime.
- <sup>†</sup> *S. maltophilia*: Susceptibility to moxifloxacin was predicted based on levofloxacin susceptibility testing results.
- <sup>\*\*</sup> *S. anginosus group*: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.

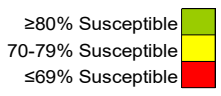
# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2021 - December 31, 2021

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

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



<b>ALL BACTERIA</b>	257	—	7	12	75	79	58		48	57						69						
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	95	100	10	24	73	97	35		7	27	73					86	51	99	89	92		
<i>Pseudomonas aeruginosa</i>	44	46			98	95					100				93		100	100	100			
<i>Klebsiella pneumoniae</i>	14	15	0	71	71	93	60		33	79	79				79	86	93	80	100			
<i>Proteus mirabilis</i>	7	7	100	100	100	100				100	100				100	100	100					
<i>Enterobacter cloacae</i>	6	6	0	0	0	100	83		0	0	0				83	100	100	100	100			
<i>Escherichia coli</i>	6	6	25	50	67	100	100		33	67	67				67	100	100	100	100			
<i>Serratia marcescens</i>	6	6	0	0	0	100	100		0	0	0				100	100	100	100	100			

<b>ALL GRAM-POSITIVE BACTERIA</b>	162	100	6	6	76	70	70	69	70	72		64	59		78						89	
<i>Staphylococcus aureus</i> , all isolates	135	83			91	91	91	91	91			81	77	96		99					100	100
- methicillin-susceptible	123	76			100	100	100	100	100			81	80	96		100					100	100
- methicillin-resistant (MRSA)	12	7			0	0	0	0	0			83	42	92		92					100	100
<i>Staphylococcus lugdunensis</i>	18	11			83	83	83	83	83			94	83	94		100					100	100
<i>Enterococcus faecalis</i>	10	6	100	100	100																100	
<i>Enterococcus faecium</i> , all isolates	7	4	0	0	0																86	
- vancomycin-susceptible	6	4	0	0	0																100	
- vancomycin-resistant (VRE)	1	1	0	0	0																0	100
Coagulase-negative staphylococci	6	4			33	33	33	33	33			50	17	83		50					100	100

**General Notes:**

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- 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.



# Princess Margaret Hospital ANTIBIOGRAM

## All Inpatients and Outpatients

### January 1, 2021 - December 31, 2021

#### Non-Urine 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

<b>ALL BACTERIA</b>	752	—	10	20	60	66	54	39	57								63							
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<b>ALL GRAM-NEGATIVE BACTERIA</b>	306	100	14	40	70	98	65	27	45	68						77	62	97	95	99			
<i>Pseudomonas aeruginosa</i>	79	26			97	95				99						95		97	100	100			
<i>Escherichia coli</i>	77	25	38	71	77	99	99	53	81	81						55	69	95	90	97			
<i>Klebsiella pneumoniae</i>	53	17	0	83	83	98	97	72	85	85						87	87	94	90	97			
<i>Enterobacter cloacae</i>	25	8	0	0	0	96	84	0	0	0						80	76	100	96	100			
<i>Stenotrophomonas maltophilia</i> <sup>†</sup>	18	6															94	100					
<i>Serratia marcescens</i>	13	4	0	0	0	100	100	0	0	0						100	100	100	100	100			
<i>Klebsiella oxytoca</i>	10	3	0	90	90	100	100	38	90	90						100	100	100	100	100			
<i>Proteus mirabilis</i>	10	3	100	100	100	100	100	0	100	100						100	100	100	100	100			
<i>Citrobacter koseri</i>	7	2	0	0	0	100	100	0	0	0						100	100	100	100	100			
<i>Klebsiella aerogenes</i>	7	2	0	0	0	100	86	0	0	0						86	100	100	100	100			

<b>ALL GRAM-POSITIVE BACTERIA</b>	446	100	7	7	53	46	46	46	46	64	52	45					64					91	
<i>Staphylococcus aureus</i> , all isolates	214	48			90	90	90	90	90		80	72	95				99					100	100
- methicillin-susceptible	193	43			100	100	100	100	100		79	76	96				99					100	100
- methicillin-resistant (MRSA)	21	5			0	0	0	0	0		86	38	86				95					100	100
Viridans group streptococci <sup>°</sup>	76	17								100												100	
Coagulase-negative staphylococci	63	14			40	40	40	40	40		52	33	89				59					100	100
<i>Enterococcus faecium</i> , all isolates	51	11	4	4	4																	88	
- vancomycin-susceptible	45	10	4	4	4																	100	
- vancomycin-resistant (VRE)	6	1	0	0	0																	0	100
<i>Enterococcus faecalis</i>	27	6	100	100	100																	100	
<i>Staphylococcus lugdunensis</i>	26	6			88	88	88	88	88		100	92	96				96					100	100
<i>Mycobacterium tuberculosis complex</i>	5	1																					
<i>Streptococcus anginosus group</i> <sup>°°</sup>	5	1			0						100											100	

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- Susceptibility to doxycycline was predicted based on tetracycline susceptibility testing results.

**Organism-Specific Notes:**

- ° 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.
- °° *S. anginosus group*: Please note that only a small proportion of these isolates were tested for susceptibilities. Please take this into consideration when interpreting the reported results.