

# Antibiogram Reports



- ✓ Simple, secure downloading
- ✓ Exceeds standards and guidelines
- ✓ Includes summary resistance patterns

## YOUR ANTIBIOGRAM REPORT

Assists you to comply with items 3.2 and 3.14 of the National Safety and Quality Health Service Standard 3.

Shows the resistance patterns of your organisms for the previous year.

Useful to review your empiric antibiotic guidelines.

According to national and international guidelines, only the first isolate of an organism recovered from each patient during the year is used to calculate the percentage of susceptibility for each given species.

This is done to prevent the over reporting of resistance.

You will also have access to the raw data that is used to calculate the percentages of sensitivity.

Methods used are based upon the recommendations of the Clinical and Laboratory Standards Institute (CLSI) and the Australian Commission on Safety and Quality in Health Care.

28 | National Safety and Quality Health Service Standards

### Preventing and Controlling Healthcare Associated Infections

Standard 3

**Governance and systems for infection prevention, control and surveillance**

Effective governance and management systems for healthcare associated infections are implemented and maintained.

This criterion will be achieved by:	Actions required:
3.1 Developing and implementing	3.1.1 A risk management approach is taken when implementing
3.2 Undertaking surveillance of healthcare associated infections	3.2.1 Surveillance systems for healthcare associated infections are in place 3.2.2 Healthcare associated infections surveillance data are regularly monitored by the delegated workforce and/or committees

**YOUR INFECTION CONTROL REPORT (ICR)**

**Antimicrobial stewardship**

Safe and appropriate antimicrobial prescribing is a strategic goal of the clinical governance system.

This criterion will be achieved by:	Actions required:
3.14 Developing, implementing and regularly reviewing the effectiveness of the antimicrobial stewardship system	3.14.1 An antimicrobial stewardship program is in place 3.14.2 The clinical workforce prescribing antimicrobials have access to current endorsed therapeutic guidelines on antibiotic usage <sup>45</sup> 3.14.3 Monitoring of antimicrobial usage and resistance is undertaken 3.14.4 Action is taken to improve the effectiveness of antimicrobial stewardship

**YOUR ANTIBIOGRAM REPORT (ABG)**

**National Safety and Quality Health Service Standards**

September 2012

AUSTRALIAN COMMISSION ON SAFETY AND QUALITY IN HEALTHCARE

NSQHS STANDARDS

>>> CONTINUED OVERLEAF

# Antibiogram Reports



>>> CONTINUED FROM OVERLEAF

## YOUR ANTIBIOGRAM REPORT PRESENTS:

- **Blood culture data** – full antibiogram (top 10 organisms isolated for your institution)
- **Urine culture data** – full antibiogram (top 5 organisms isolated for your institution)
- **Collated non-urine culture data** – full antibiogram (top 10 isolated for your institution)
- **15 specific organisms** with full antibiogram data from your institution
- **Separate raw patient data** provided (includes multiple isolates from the same patient)

## PROCESS

We require your Medical Director or CEO to inform us that you require access to this annual report. We will create a secure user name and password for you to access the reports. Reports can be received by different recipients to the available 'Infection Control Reports'.

## SUMMARY SHEET YOU RECEIVE

Denominator numbers and percentage sensitivities given.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Antibiogram 2012 (Jan-Dec) for 'XYZ' Hospital : Blood Cultures Isolates																						
2	NOS	Organism	Total nos of isolates	Percent	Data	Amoxycillin	Augmentin	Cephalexin	Cephalexin	Clindamycin	Cotrimoxazole	Flucloxacillin	Fusidic Acid	Gentamicin	Penicillin	Rifampicin	Tazodin	Trimethoprim	Amikacin*	Cefepime*	Cefotaxim*	Ceftazidime*	Ceftioxa*
3	1	Escherichia coli	130	%Sens	48.1	79.8	54.8	46.2		76.9			96.9				94.6	82	100	100	97.3	96.7	96.3
4			25.4	Total	129	129	62	13		130			130				92	128	3	2	112	92	108
5	2	Coagulase negative Staphylococcus	111	%Sens					68.8	70	47.7	75	85.7	15.3	90								
6			21.7	Total					109	20	111	20	21	111	20								
7	3	Staphylococcus aureus - ALL	73	%Sens					75.3	94.9	82.2	100	94.9	12.3	100								
8			14.3	Total					73	59	73	60	59	73	60								
9	4	Staphylococcus aureus - MSSA	60	%Sens					88.3	100	100	100	100	15	100								
10			11.7	Total					60	49	60	49	49	60	49								
11	5	Streptococcus pneumoniae	20	%Sens					80					94.4									100
12			3.9	Total					20					18									20
13	6	Enterococcus faecalis	16	%Sens	100				0					83.3									0
14			3.1	Total	16				5					6									16
15	7	Staphylococcus aureus - MRSA	13	%Sens			0		15.4	70	0	100	70	0	100								
16			2.5	Total			12		13	10	13	11	10	13	11								
17	8	Staph. epidermidis	12	%Sens					50	60	25	70	80	8.3	100								
18			2.3	Total					12	10	12	10	10	12	10								
19	9	Beta haem. strep. (Group B)	10	%Sens					70					100									100
20			2	Total					10					10									10
21	10	Klebsiella pneumoniae	8	%Sens	0	100	100				100		100			100	100			100	100	100	100
22			1.6	Total	8	8	4				8		8			5	8			8	6	8	8
23		Total Positive	380																				
24		% analysed of all Blood Cultures	74.2																				
25	KEY																						
26	>90% of isolates sensitive: green shading																						
27	70-89% of isolates sensitive: yellow shading																						
28	<70% of isolates sensitive: red shading																						
29	* Antibiotics usually restricted: stippled shading																						
30	# Antibiotic not recommended to be used in children without specialist advice																						

Each worksheet shows resistance patterns of specific organisms in your institution.

## FURTHER INFORMATION

For more information, please email: [AntibiogramReport@healius.com.au](mailto:AntibiogramReport@healius.com.au)