

Antibiogram - 2024

Alexandra Hospital, Ingersoll, and Tillsonburg District Memorial Hospital

Interpretation Guide

- The antibiogram is an annual cumulative report of the antimicrobial susceptibility rates of common pathogens recovered from patients receiving care at Alexandra Hospital, Ingersoll, and Tillsonburg District Memorial Hospital and is to be used as a resource to inform empirical antimicrobial therapy.
- Susceptibility rates are calculated from the compilation of susceptibility results from all 'first' clinical isolates of a specific pathogen recovered from an individual patient per 30-day period. The rationale for this referral period is based on the need to represent 'wild-type' susceptibility profiles and avoid over-representing antimicrobial resistance that may develop de novo during a patient's prolonged hospital stay.
- Susceptibility rates for pathogens or clinical scenarios represented by less than 30 isolates are not calculated due to their limited statistical significance and interpretive value.
- The appropriateness of empiric therapy is highlighted using a colour range that corresponds to susceptibility rates. Green, 80-100%; Yellow, 70-79%; Red, <70%.

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<https://www.lhsc.on.ca/pathology-and-laboratory-medicine/microbiology>

Organism	Number of Isolates	Ampicillin	Amoxicillin-Clavulanate	Piperacillin-Tazobactam	Cloxacillin	Cephalexin (urinary tract)	Cefazolin	Ceftriaxone	Ceftazidime	Imipenem	Meropenem	Ciprofloxacin	Clindamycin	Doxycycline	Gentamicin	Tobramycin	TMP-SMX	Vancomycin
<i>Escherichia coli</i>	450	64	82			85	73	90		100		78			95	94	84	
<i>Klebsiella pneumoniae</i> complex	101		85			81	74	85		98		81			98	90	84	
<i>Proteus mirabilis</i>	37	66	82					82			100	66			74	79	79	
<i>Pseudomonas aeruginosa</i>	62			90					87	76	98	86						
<i>Staphylococcus aureus</i> (incl. MRSA)	116				74								78	100			100	100