

Bacterial Pathogen Isolation and Percentage of Antimicrobial Resistance

Out-patient Setting

Results from Microbiology Division, PHL SB for specimens received in November 2011 :

Agents	Number	Percentage Resistant to*
Respiratory Specimens		
<u>Nasal Swab (Carriage)</u>		
<i>Staphylococcus aureus</i>	9	67 %(PEN), 0 %(OXA) [MRSA], 11 %(CLD), 11 %(ERY), 0 %(GEN)
<u>Throat Swab</u>		
Beta-haemolytic streptococcus of Lancefield Group A, C and G	9	0 % (PEN), 11 % (ERY)
<u>Sputum</u>		
<i>Streptococcus pneumoniae</i>	7	0 %(PNV), 71 %(ERY), 0 %(LEV)
<i>Haemophilus influenzae</i>	36	28 %(AMP), 8 %(AMC)
<i>Moraxella catarrhalis</i>	7	[100 % BL positive]
Urine Specimens		
<i>Escherichia coli</i>	474	70 %(AMP), 6 %(AMC), 65 %(NAL), 1 %(NIT), 38 %(SXT), 32 %(LEV) [15 % ESBL positive]
<i>Klebsiella pneumoniae</i>	99	100 %(AMP), 7 %(AMC), 18 %(NAL), 25 %(NIT), 21 %(SXT), 9 %(LEV) [6 % ESBL positive]
<i>Proteus mirabilis</i>	46	48 %(AMP), 2 %(AMC), 46 %(NAL), 100 %(NIT), 39 %(SXT), 22 %(LEV)
Enteric Specimens		
<i>Campylobacter</i> spp.	5	20 %(ERY)
<i>Salmonella</i> spp.	1	0 %(AMP), 0 %(SXT), 0 %(CIP)
<i>Shigella</i> spp.	1	100 %(AMP), 0 %(CIP)
<i>Vibrio</i> spp.	2	0 %(TET)
Soft Tissue Specimens		
<i>Staphylococcus aureus</i>	89	19 %(OXA) [MRSA]

*Abbreviations:

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| <ul style="list-style-type: none"> - AMC – amoxicillin + clavulanic acid - AMP – ampicillin - BL – beta-lactamase - CIP – ciprofloxacin - CLD – clindamycin - ERY – erythromycin - ESBL – extended-spectrum beta-lactamase - GEN – gentamicin - LEV – levofloxacin | <ul style="list-style-type: none"> - MRSA – methicillin resistant <i>Staphylococcus aureus</i> - NAL – nalidixic acid - NIT – nitrofurantoin - OXA – oxacillin - PEN – penicillin - PNV – oral penicillin V - SXT – co-trimoxazole - TET – tetracycline |
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