

Bacterial Pathogen Isolation and Percentage of Antimicrobial Resistance

Out-patient Setting

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

Agents	Number	Percentage Resistant to*
Respiratory Specimens		
<u>Nasal Swab (Carriage)</u>		
<i>Staphylococcus aureus</i>	8	100 %(PEN), 13 %(OXA) [MRSA], 38 %(CLD), 38 %(ERY), 0 %(GEN)
<u>Throat Swab</u>		
Beta-haemolytic streptococcus of Lancefield Group A, C and G	4	0 %(PEN), 25 %(ERY)
<u>Sputum</u>		
<i>Streptococcus pneumoniae</i>	8	63 %(PNV), 75 %(ERY), 0 %(LEV)
<i>Haemophilus influenzae</i>	41	27 %(AMP), 2 %(AMC)
<i>Moraxella catarrhalis</i>	14	[93 % BL positive]
Urine Specimens		
<i>Escherichia coli</i>	389	66 %(AMP), 2 %(AMC), 66 %(NAL), 2 %(NIT), 39 %(SXT), 29 %(LEV) [18 % ESBL positive]
<i>Klebsiella pneumoniae</i>	85	100 %(AMP), 5 %(AMC), 14 %(NAL), 28 %(NIT), 19 %(SXT), 5 %(LEV) [14 % ESBL positive]
<i>Proteus mirabilis</i>	64	48 %(AMP), 3 %(AMC), 42 %(NAL), 100 %(NIT), 31 %(SXT), 20 %(LEV)
Enteric Specimens		
<i>Campylobacter</i> spp.	4	25 %(ERY)
<i>Salmonella</i> spp.	8	88 %(AMP), 50 %(SXT), 13 %(CIP)
<i>Shigella</i> spp.	0	- %(AMP), - %(CIP)
<i>Vibrio</i> spp.	3	0 %(TET)
Soft Tissue Specimens		
<i>Staphylococcus aureus</i>	59	19 %(OXA) [MRSA]

*Abbreviations:

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