

# 15. Antimicrobial Guide

This clinical pathway is intended to supplement, rather than substitute for, professional judgment and may be changed depending upon a patient's individual needs. Failure to comply with this pathway does not represent a breach of the standard of care.

For detailed guidelines and other conditions not listed below, refer to your hospitals guidelines for antimicrobial use

Condition	Comments/Caveats	Recommended Therapy
<b>URTI/Sinusitis</b>  <b>AVOID PRESCRIBING ANTIBIOTICS FOR UPPER RESPIRATORY TRACT INFECTIONS SINCE MOST ARE VIRAL.</b>	<p>The most common cause of URTIs is viral and thus <b>no antibiotics are necessary</b></p> <p>A clinician should diagnose <b>Acute Bacterial Rhinosinusitis (ABRS)</b> when</p> <ol style="list-style-type: none"> <li>symptoms or signs of Acute Rhinosinusitis (ARS) (purulent nasal drainage accompanied by nasal obstruction, facial pain/pressure/fullness, or both) persist without evidence of <b>improvement for at least 10 days</b> beyond the onset of upper respiratory symptoms or</li> <li>symptoms or signs of ARS worsen within 10 days after an initial improvement (<b>double worsening</b>).</li> </ol> <p><b>DO NOT ORDER A CT SCAN TO DIAGNOSE SINUSITIS</b></p>	<p><b>Amoxicillin/Clavulanate 1gm PO BD x 5-10 days</b> is the <b>first line therapy</b> for most adults who meet the criteria for <b>ABRS</b></p> <p><b>In Penicillin-Allergic Patients:</b> Azithromycin 500mg PO OD x 3 days</p> <p><b>Supportive therapy;</b></p> <ul style="list-style-type: none"> <li><b>Decongestants (<math>\alpha</math>-adrenergic)</b> - xylometazoline hydrochloride for <b>3 days</b>.</li> <li><b>Saline irrigation</b> - Nasal saline irrigation, alone or in conjunction with other adjunctive measures, may improve quality of life, decrease symptoms, and decrease medication use for ABRS, particularly in patients with frequent sinusitis.</li> <li><b>Mucolytics</b></li> <li><b>Antihistamines</b> have <b>no role</b> in the symptomatic relief of ABRS in non-atopic patients.</li> </ul>
<b>Pharyngitis/Tonsillitis</b>  <b>AVOID PRESCRIBING ANTIBIOTICS FOR UPPER RESPIRATORY TRACT INFECTIONS SINCE MOST ARE VIRAL.</b>	<p>The most predictable clinical parameter for GABHS pharyngitis is reported to be the <b>Centor criteria</b>.</p> <ol style="list-style-type: none"> <li>history of fever <math>&gt; 38^{\circ}\text{C}</math>,</li> <li>absence of cough,</li> <li>Swollen and tender anterior cervical lymph nodes, and</li> <li>Tonsillar exudates or swelling</li> </ol> <p>Both the sensitivity and specificity of this prediction rule are <b>75%</b>, compared with throat cultures.</p>	<p>Adult patients with acute exudative adult pharyngitis who report <b>3 or 4 Centor criteria ONLY</b>.</p> <p>Benzathine penicillin G 1.2MU IM stat <b>OR</b> Amoxicillin/Clavulanate 1gm PO BD x 5-10 days</p> <p>Consider - <b>Single-dose Prednisone 60 mg PO</b> or <b>Dexamethasone 8 mg IM</b> therapy added to the standard treatment has a <b>more rapid improvement of pain</b> in adult patients with acute exudative adult pharyngitis who report <b>3 or 4 Centor criteria</b>.</p> <p><b>Patients who are allergic to Penicillin</b> Azithromycin: 500 mg PO on day 1 followed by 250 mg PO OD for 4 days</p>
<b>Laryngitis</b>	Mostly viral	<b>No Antibiotics necessary</b>
<b>Acute Gastroenteritis</b>  <b>AVOID PRESCRIBING ANTIBIOTICS FOR ACUTE GASTROENTERITIS WITHOUT SYSTEMIC DISEASE OR DYSENTERY</b>	<p>Any diarrhoeal illness lasting <b><math>&gt; 1</math> day</b>, especially if accompanied by the following features should prompt evaluation of a faecal specimen;</p> <ul style="list-style-type: none"> <li>bloody diarrhoea</li> <li>moderate–severe disease (systemically ill/toxic appearing patients)</li> <li>symptoms lasting <math>&gt; 7</math> days</li> <li>immunocompromised patients</li> <li>recent use of antibiotics</li> </ul> <p>A <b>Stool Culture</b> is <b>NOT NECESSARY OR COST-EFFECTIVE</b> in most cases of diarrhoea without systemic disease or dysentery unless an unusual bacterial cause is suspected</p> <p><b>Typhoid</b> - Bone marrow culture is the <b>most sensitive</b> routinely available diagnostic tool. Stool culture is positive only in up to 30-40% of cases, but is often negative by the time that systemic symptoms bring patients to hospital. Blood cultures are positive in 40-80% of patients. Serologic tests e.g. the Widal test are of <b>limited clinical utility</b> because positive results may represent previous infection.</p>	<p><b>Food-borne toxigenic diarrhoea</b> usually requires only supportive treatment, <b>not antibiotics</b>.</p> <p>Treatment of salmonellosis with antibiotics (including quinolones) can prolong the carrier state and lead to a higher clinical relapse rate.</p> <p><b>Treat ONLY</b> patients with;</p> <ul style="list-style-type: none"> <li>bloody diarrhoea</li> <li>moderate–severe disease (systemically ill/toxic appearing patients)</li> <li>symptoms lasting <math>&gt; 7</math> days</li> <li>immunocompromised patients</li> <li>recent use of antibiotics</li> </ul> <p><b>Ciprofloxacin 500 mg PO BD x 3 days</b>. The duration of treatment may be extended by 2-3 days for moderate-to-severe cases.</p> <p>The antimotility agent <b>loperamide (Imodium)</b> may reduce the duration of diarrhoea when given with antibiotics for traveller's diarrhoea. A loperamide/simethicone combination has demonstrated faster and more complete relief. Loperamide may cause dangerous prolongation of illness in patients with some forms of bloody or inflammatory diarrhoea and, therefore, <b>should be restricted to patients with non-bloody stool</b>.</p>

Condition	Comments/Caveats	Recommended Therapy
<b>Urinary Tract Infection (UTI)</b>	<p>Cloudiness of the urine is most often due to protein or crystal presence, and malodorous urine may be due to diet or medication use. A urinalysis with quantitative urine <b>WBC counts</b> should <b>NOT</b> be used alone to support a diagnosis of UTI or start antimicrobial therapy in any patient population.</p> <p>A <b>negative Leukocyte Esterase AND a negative urine Nitrate</b> largely <b>rule out infection</b> in pregnant women, elderly patients, family medicine, and urology patients. The combination of a negative leukocyte esterase and negative nitrite test demonstrated a UTI <b>negative predictive value of 88% (95% confidence interval [CI] 84–92%)</b>.</p> <p>Pyuria in a urine specimen, in the absence of symptoms (<b>Asymptomatic Bacteriuria</b>), is <b>NOT AN INDICATION</b> for antimicrobial therapy.</p> <p>Urine cultures are <b>NOT RECOMMENDED</b> in most cases of <b>uncomplicated UTIs</b> in adult women.</p> <p><b>Urine Cultures ONLY for;</b></p> <ul style="list-style-type: none"> <li>• In patients suspected of having <b>pyelonephritis</b>, a urine culture and susceptibility test should always be performed, and initial empiric therapy should be tailored appropriately based on the likely infecting uropathogen.</li> <li>• A urine specimen should be obtained for culture and susceptibility testing before initial antimicrobial therapy for <b>complicated UTIs</b>.</li> </ul> <p><b>Complicated UTI</b></p> <ul style="list-style-type: none"> <li>• Male gender</li> <li>• Structural or functional anatomic abnormalities</li> <li>• Renal stones</li> <li>• Indwelling catheters</li> <li>• Renal transplant</li> <li>• Neurogenic bladder</li> <li>• Recent urologic procedure</li> </ul> <p><b>Inpatient therapy</b></p> <ul style="list-style-type: none"> <li>• Sepsis</li> <li>• Pregnancy</li> <li>• Urinary tract obstruction</li> <li>• Persistent vomiting</li> <li>• Poor outpatient follow-up</li> </ul>	<p><b>Uncomplicated Cystitis</b> Ciprofloxacin 500 mg PO BD x 3 days <b>OR</b> Nitrofurantoin 100mg TDS x 3 days</p> <p><b>Uncomplicated Pyelonephritis, Outpatient Therapy</b> Ceftriaxone 1 g IV stat <b>PLUS</b> Ciprofloxacin 500 mg PO BD x 7 days</p> <p><b>UTI during Pregnancy, Outpatient Therapy</b> Cefuroxime 500 mg PO BD for 7 days <b>OR</b> Nitrofurantoin 100mg TDS x 3 days</p> <p><b>Complicated UTI</b>  Ciprofloxacin 500 mg PO BD x 14 days</p> <p><b>Uncomplicated Pyelonephritis, Inpatient Therapy</b> Ceftriaxone 1g IV OD 10-14 days <b>OR</b> Ciprofloxacin 400 mg IV BD x 10-14 days</p> <p><b>UTI during Pregnancy, Inpatient Therapy</b> Ceftriaxone 1-2 g IV OD</p>

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<b>Sepsis &amp; Septic Shock</b>	See <a href="#">Severe Sepsis &amp; Septic Shock Algorithm</a>	<p><b>Give ANTIBIOTICS as an EMERGENCY</b> (within the <b>FIRST HOUR</b> of recognition of <b>Sepsis/Septic Shock</b>)</p> <ul style="list-style-type: none"> <li>• <b>Ceftriaxone 2gm IV stat</b></li> </ul> <p>For probable <b>Neutropenic</b> patients or if patient has been <b>admitted in hospital</b> in the <b>last 3 months</b> (Hospital Acquired Infection)</p> <ul style="list-style-type: none"> <li>▪ <b>Imipenem 500 mg IV</b> infusion over 3 hrs then QID for <b>General sepsis</b></li> <li>OR</li> <li>▪ <b>Meropenem 1 gm IV</b> infusion over 3 hrs then TDS for possible <b>CNS infections</b></li> </ul>
<b>Community Acquired Pneumonia</b>	<p>In addition to a constellation of suggestive clinical features, a demonstrable infiltrate by chest radiograph or other imaging technique, with or without supporting microbiological data, is required for the diagnosis of pneumonia. <b>(B-III)</b></p> <p>The strongest indications for <b>blood cultures</b> are <b>severe CAP</b> and in <b>immunocompromised patients</b> or those with <b>significant co morbidities</b>, as these patients are more likely to be infected with pathogens other than <i>S pneumoniae</i>.</p> <p><b>Co morbidities:</b></p> <ul style="list-style-type: none"> <li>• Chronic heart, lung or renal disease</li> <li>• Diabetes mellitus</li> <li>• Alcoholism</li> <li>• Malignancy</li> <li>• Asplenia</li> <li>• Immunosuppressant condition or drugs</li> </ul> <p><b>Inpatient Therapy</b></p> <ul style="list-style-type: none"> <li>• CURB 65 <math>\geq 2</math></li> <li>• Patient factors requiring hospitalization</li> </ul> <p><b>HCAP risk factors?</b></p> <ul style="list-style-type: none"> <li>• Hospitalization for 2 or more days of the past 90 days</li> <li>• Resides in nursing home or long-term care facility</li> <li>• Received chemotherapy, IV antibiotics, or wound care within the prior 30 days</li> <li>• Attended a hospital or haemodialysis clinic in the last 30 days</li> </ul>	<p><b>Outpatient Treatment</b> Amoxicillin/Clavulanate 1gm PO BD x 7 - 10 days</p> <p><b>In Penicillin-Allergic Patients:</b> Azithromycin: 500 mg PO on day 1 followed by 250 mg PO OD for 4 days</p> <p><b>Inpatient Treatment</b> Amoxicillin/Clavulanate 1.2gm IV BD x 7 - 10 days <b>PLUS</b> Azithromycin 500mg IV OD x 7 - 10 days</p> <p><b>Healthcare Associated Pneumonia (HCAP)</b></p> <p><b>Antipseudomonal beta-lactam</b> Imipenem 500mg IV infusion over 3 hours QID</p>

Condition	Comments/Caveats		Recommended Therapy										
Malaria	Defining Criteria for Severe Malaria	Finding	<b>Uncomplicated Malaria</b> Artemether + Lumefantrine - <b>Coartem® 80/480 1 tablet at 0, 8, 24, 36, 48 and 60 hours</b> (six doses). <table><tr><th>Body weight (kg)</th><th>Dose (mg) of artemether + lumefantrine given twice daily for 3 days</th></tr><tr><td>5 to &lt; 15</td><td>20 + 120</td></tr><tr><td>15 to &lt; 25</td><td>40 + 240</td></tr><tr><td>25 to &lt; 35</td><td>60 + 360</td></tr><tr><td>≥ 35</td><td>80 + 480</td></tr></table> <b>Severe Malaria</b> <b>IV Artesunate 2.4mg/kg at 0, 12 and 24 hours and daily</b> until patient can take oral. Children weighing < 20 kg should receive a higher dose of artesunate (3 mg/kg bw per dose) to ensure equivalent exposure to the drug.	Body weight (kg)	Dose (mg) of artemether + lumefantrine given twice daily for 3 days	5 to < 15	20 + 120	15 to < 25	40 + 240	25 to < 35	60 + 360	≥ 35	80 + 480
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	5 to < 15	20 + 120											
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	Impaired consciousness (cerebral malaria)	A Glasgow coma score < 11 in adults or a Blantyre coma score < 3 in children											
	Prostration	Generalized weakness so that the person is unable to sit, stand or walk without assistance											
	Multiple convulsions	> 2 episodes within 24 h											
Acidosis	A base deficit of > 8 mEq/L or, if not available, a plasma bicarbonate level of < 15 mmol/L or venous plasma lactate ≥ 5 mmol/L. Severe acidosis manifests clinically as respiratory distress (rapid, deep, laboured breathing).												
Hypoglycaemia	Blood or plasma glucose < 2.2 mmol/L (< 40 mg/dL)												
Severe malarial anaemia	Haemoglobin concentration ≤ 5 g/dL or a haematocrit of ≤ 15% in children < 12 years of age (< 7 g/dL and < 20%, respectively, in adults) with a parasite count > 10 000/μL												
Renal impairment	Plasma or serum creatinine > 265 μmol/L (3 mg/dL) or blood urea > 20 mmol/L												
Jaundice	Plasma or serum bilirubin > 50 μmol/L (3 mg/dL) with a parasite count > 100 000/ μL												
Pulmonary oedema	Radiologically confirmed or oxygen saturation < 92% on room air with a respiratory rate > 30/min, often with chest in-drawing and crepitations on auscultation												

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Malaria cont...	Defining Criteria for Severe Malaria	Finding	<b>Uncomplicated Malaria</b> Artemether + Lumefantrine - <b>Coartem® 80/480 1 tablet at 0, 8, 24, 36, 48 and 60 hours</b> (six doses). <table><tr><th>Body weight (kg)</th><th>Dose (mg) of artemether + lumefantrine given twice daily for 3 days</th></tr><tr><td>5 to &lt; 15</td><td>20 + 120</td></tr><tr><td>15 to &lt; 25</td><td>40 + 240</td></tr><tr><td>25 to &lt; 35</td><td>60 + 360</td></tr><tr><td>≥ 35</td><td>80 + 480</td></tr></table> <b>Severe Malaria</b> <b>IV Artesunate 2.4mg/kg at 0, 12 and 24 hours and daily</b> until patient can take oral. Children weighing < 20 kg should receive a higher dose of artesunate (3 mg/kg bw per dose) to ensure equivalent exposure to the drug.	Body weight (kg)	Dose (mg) of artemether + lumefantrine given twice daily for 3 days	5 to < 15	20 + 120	15 to < 25	40 + 240	25 to < 35	60 + 360	≥ 35	80 + 480
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≥ 35	80 + 480												
Significant bleeding	Including recurrent or prolonged bleeding from the nose, gums or venepuncture sites; haematemesis or melena												
Shock	<b>Compensated shock</b> is defined as <b>capillary refill ≥ 3 s</b> or temperature gradient on leg (mid to proximal limb), but no hypotension. <b>Decompensated shock</b> is defined as <b>systolic blood pressure &lt; 70 mm Hg in children</b> or <b>&lt; 80 mm Hg in adults</b> , with evidence of impaired perfusion (cool peripheries or prolonged capillary refill).												
Hyperparasitemia	P. falciparum <b>parasitaemia &gt; 10%</b>												
Community-Acquired Severe Intra-Abdominal Infection, Biliary, and Extra-Biliary Infections	Empiric coverage of Enterococcus is recommended		Piperacillin-Tazobactam 4.5gm IV QID										
Cellulitis/ Abscesses/ Folliculitis/ Carbuncle/ Furuncle	<p>Most abscesses are Staph aureus. Most cellulitis is Group A beta-haemolytic streptococcus (although some is Staph aureus)</p> <p>Empiric therapy for Streptococcus pyogenes (beta-haemolytic streptococcus) is recommended</p> <p>Azithromycin or clindamycin for severe penicillin allergy</p> <p>Clindamycin is bacteriostatic, potential for cross-resistance and emergence of resistance in erythromycin-resistant strains; inducible resistance in MRSA</p> <p>Effective treatment of <b>abscesses</b> entails incision, thorough evacuation of the pus, and probing the cavity to break up ovulations. Gram stain, culture, and systemic <b>antibiotics are rarely indicated unless there is extensive surrounding cellulitis, fever, multiple lesions, severely impaired host defences, or cutaneous gangrene.</b></p>		<b>Oral Therapy</b> <b>Beta-haemolytic Streptococcus coverage:</b> Amoxicillin/Clavulanate 1gm PO BD x 7 days <b>OR</b> Clindamycin 450 mg PO QID x 7-10 days  <b>Parenteral Therapy (Inpatient)</b> <b>Beta-haemolytic Streptococcus and MSSA Coverage</b> Cefazolin 1gm IV q8 hours for 7-10 days <b>OR</b> Clindamycin 600 mg IV q8 hours for 7-10 days										

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<b>Necrotizing skin &amp; soft tissue infections</b>	<p>Surgical intervention is the major therapeutic modality in cases of necrotizing fasciitis.</p> <p>Necrotizing fasciitis falls into two groups;</p> <ul style="list-style-type: none"> <li>• The spontaneous extremity cellulitis is usually Group A Streptococcus and sometime Staph aureus.</li> <li>• The second group includes head and neck, abdominal/groin and is frequently polymicrobial.</li> </ul>	<b>Consult a Surgeon</b>
<b>STI – Urethritis, Epididymitis, Orchitis, Proctitis, Cervicitis</b>	<p><b>Minimum criteria</b> for clinical diagnosis of PID (all 3 should be present):</p> <ol style="list-style-type: none"> <li>a) Bilateral lower abdominal (uterine) tenderness (sometimes radiating to the legs)</li> <li>b) Cervical motion tenderness - Positive cervical motion tenderness is defined as increased discomfort from a normal pelvic examination, as stated by the patient. Of note, <b>cervical motion tenderness is neither sensitive nor specific for gynaecologic pathology</b>, is a <b>sign of nonspecific peritoneal inflammation</b>.</li> <li>c) Bilateral adnexal tenderness (with or without a palpable mass)</li> </ol> <p>One or more of the following additional criteria can be used to enhance the specificity of the minimum criteria and support a diagnosis of PID:</p> <ul style="list-style-type: none"> <li>• oral temperature &gt;38.3° C;</li> <li>• abnormal cervical or vaginal mucopurulent discharge;</li> <li>• presence of abundant numbers of WBC on saline microscopy of vaginal fluid; and</li> <li>• laboratory documentation of cervical infection with N. gonorrhoea or C. trachomatis.</li> </ul>	<p><b>STI – Urethritis, Epididymitis, Orchitis, Proctitis, Cervicitis</b></p> <p>Ceftriaxone 250mg IM stat</p> <p><b>PLUS</b></p> <p>Azithromycin 1gm PO stat</p> <p><b>PID</b></p> <p><b>Mild-Moderate disease</b></p> <p>Ceftriaxone 250mg IM stat</p> <p><b>PLUS</b></p> <p>Doxycycline 100mg PO BD x 14 days</p> <p><b>WITH or WITHOUT</b></p> <p>Metronidazole 500mg PO BD x 14 days</p> <p><b>Severe disease/In-patient therapy - Suggested criteria:</b></p> <ul style="list-style-type: none"> <li>• surgical emergencies (e.g., appendicitis) cannot be excluded;</li> <li>• the patient is pregnant;</li> <li>• the patient does not respond clinically to oral antimicrobial therapy;</li> <li>• the patient is unable to follow or tolerate an outpatient oral regimen;</li> <li>• the patient has severe illness, nausea and vomiting, or high fever; or</li> <li>• the patient has a tubo-ovarian abscess.</li> </ul> <p>Amoxicillin/Clavulanate 1.2g IV BD</p> <p><b>PLUS</b></p> <p>Doxycycline 100mg IV/PO BD x 14days</p>

Condition	Comments/Caveats	Recommended Therapy						
<b>HIV Post Exposure Prophylaxis (PEP)</b>	<ul style="list-style-type: none"><li>Exposed individual <b>must be HIV negative at baseline</b></li><li>Exposure must have occurred <b>within the past 72 hours</b></li><li>Exposure <b>must be high-risk</b>. Faeces, nasal secretions, saliva, sputum, sweat, tears, urine, and vomitus are not considered to be infectious unless they are visibly bloody.</li></ul> <p><b>Estimated per-unprotected act risk for acquisition of HIV by exposure route</b></p>	<p>PEP should be initiated as soon as possible after exposure, but <b>no later than after 72 hours</b>.</p> <p><b>Consult local guidelines for the recommended regimens</b></p>						
	Exposure route	% Risk	Regimen	Dose	Comments			
	Blood transfusion	90%	<b>ADULTS</b>					
	Needle-sharing injection-drug use	0.67%	<b>Tenofovir/Lamivudine TDF/3TC (300/300mg)</b>  <b>PLUS</b>  <b>Atazanavir/Ritonavir ATV/r (300/100mg)</b>	1 tablet OD	<b>Zidovudine AZT (300mg)</b>  can be used as an alternative when <b>TDF</b> cannot be used			
	Receptive anal intercourse	0.5%		<b>PLUS</b>  1 tablet OD with food				
	Percutaneous needle stick	0.3%						
	Receptive penile-vaginal intercourse	0.1%						
	Insertive anal intercourse	0.06%						
	Insertive penile-vaginal intercourse	0.1%						
	Receptive oral intercourse	0.01%						
	Insertive oral intercourse	0.005%						
	<p>The overall rate of HIV transmission through percutaneous inoculation is reported to be <b>0.3%</b> (95% confidence interval [CI] 0.2–0.5); the risk of acquiring an HIV infection is <b>greater</b> for percutaneous injuries that involve;</p> <ul style="list-style-type: none"><li>– hollow-bore needles that have been in contact with an artery or vein,</li><li>– when blood is visible on the device,</li><li>– a deep needle stick, and</li><li>– when the source patient has advanced HIV disease.</li></ul> <p>Splashes or infectious material to mucous membranes or broken skin may also transmit HIV infection (estimated risk per exposure, <b>0.09%</b>; 95% CI 0.006–0.5). Exposure of <b>intact skin</b> to contaminated blood has <b>not been identified as a risk</b> for HIV transmission.</p> <ul style="list-style-type: none"><li>• Counsel on risks and benefits of PEP and obtain verbal consent for HIV testing</li><li>• Voluntary testing for both exposed and source individuals</li><li>• Offer PEP as soon as high-risk exposure is established and exposed individual tests HIV negative at baseline (if HIV testing not available, can provide 1-2 days of PEP to cover until HIV test performed)</li><li>• <b>Pregnancy testing</b></li><li>• <b>Cr</b> (if <b>TDF</b>-containing regimen) and <b>Hb</b> (if <b>AZT</b>-containing regimen), however PEP should be offered even when lab tests are not available. Do not delay administration of PEP while waiting for lab results</li><li>• <b>Hepatitis B vaccination</b> (if not previously immunized &amp; not known HBV positive)</li></ul>			<p><b>CHILDREN</b></p> <table><tr><td><b>Abacavir/Lamivudine ABC/3TC</b>  <b>PLUS</b>  <b>Lopinavir/Ritonavir LPV/r</b></td><td>Consult local guidelines for the weight-based dosages</td><td><b>Zidovudine AZT</b>  can be used as an alternative when <b>ABC</b> cannot be used</td></tr></table>			<b>Abacavir/Lamivudine ABC/3TC</b>  <b>PLUS</b>  <b>Lopinavir/Ritonavir LPV/r</b>	Consult local guidelines for the weight-based dosages
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<p>PEP should be continued for <b>28 days (dispense all 28 days of treatment at the first visit)</b></p> <ul style="list-style-type: none"><li>• Follow up client at <b>7 days, 14 days, and 28 days</b> after starting PEP</li><li>• <b>Follow-up HIV testing</b> at <b>4 weeks</b>, if negative, test again at <b>12 weeks</b> after which annual testing applies</li><li>• Assess for and manage side effects due to PEP</li></ul>								