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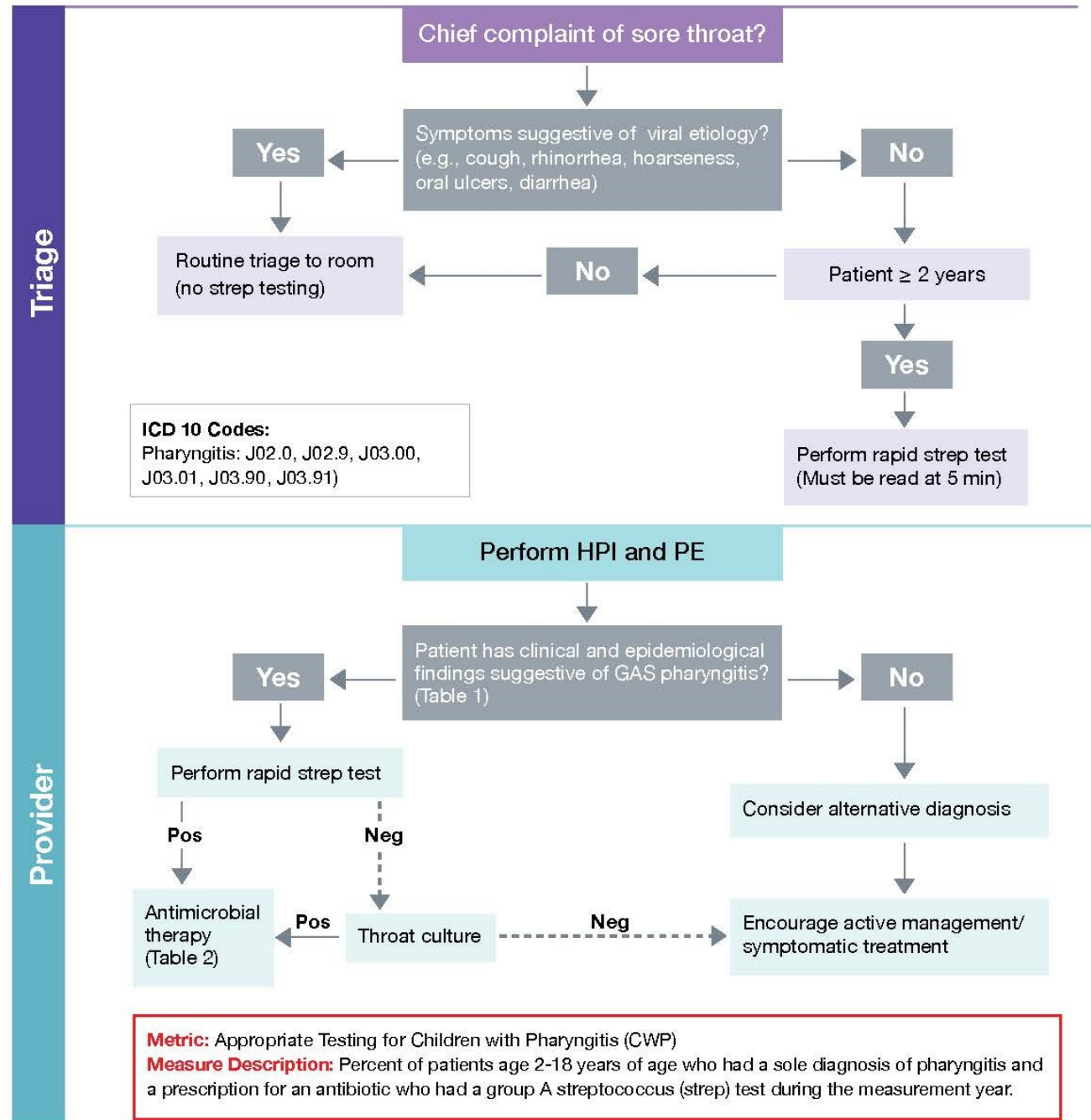
MIDLAND QUALITY ALLIANCE  
ALGORITHM FOR MANAGEMENT OF  
GROUP A STREPTOCOCCAL (GAS); PHARYNGITIS PATHWAY (CWP)

Revised May 2018



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# Group A Streptococcal (GAS) Pharyngitis Pathway (CWP)



**Table 1. Epidemiologic and clinical features suggestive of group A streptococcal and viral pharyngitis**

<b>Features suggestive of GAS as etiologic agent:</b>	<ul style="list-style-type: none"> <li>• Sudden onset of sore throat</li> <li>• Age 2–18 years</li> <li>• Fever</li> <li>• Headache</li> <li>• Nausea, vomiting, abdominal pain</li> <li>• Tonsillopharyngeal inflammation</li> </ul>	<ul style="list-style-type: none"> <li>• Patchy tonsillopharyngeal exudates</li> <li>• Palatal petechiae</li> <li>• Anterior cervical adenitis (tender nodes)</li> <li>• Winter and early spring presentation</li> <li>• History of exposure to strep pharyngitis</li> <li>• Scarletiform rash</li> </ul>
<b>Features suggestive of viral etiology:</b>	<ul style="list-style-type: none"> <li>• Absence of fever</li> <li>• Conjunctivitis</li> <li>• Coryza</li> <li>• Cough</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea</li> <li>• Hoarseness</li> <li>• Discrete ulcerative stomatitis</li> <li>• Viral exanthema</li> </ul>

Source: Shulman ST, Bisno AL, Clegg HW, Gerber MA, Kaplan EL, Lee G, Martin JM, Van Beneden C. "Clinical practice guideline for the diagnosis and management of group A streptococcal pharyngitis: 2012 update by the Infectious Diseases Society of America." *Clinical Infectious Diseases*. 55(10):1279-82, 2012 Nov 15.

**Table 2. Recommendations for antimicrobial therapy for group A streptococcal pharyngitis**

Route of administration, antimicrobial agent	Dosage	Duration
<i>Oral</i>		
Penicillin V	Children: 250 mg twice daily or 3 times daily	10 days
	Adolescents: 250 mg 4 times daily or 500 mg twice daily	10 days
Amoxicillin	50 mg/kg once daily or 25 mg/kg twice daily (max daily dose = 1000 mg/day)	10 days
<i>Intramuscular</i>		
Benzathine penicillin G	<27 kg: 600,000 U	1 dose
	≥27kg: 1,200,000 U	1 dose
<i>Oral, for patients allergic to penicillin</i>		
Azithromycin	12mg/kg/dose once daily; (max = 500 mg/dose)	5 days
Clarithromycin	7.5 mg/kg/dose twice daily (max = 250 mg/dose)	10 days
Cephalexin	20 mg/kg/dose twice daily (max = 500 mg/dose)	10 days
Cefadroxil	30 mg/kg once daily (max = 1 g)	10 days
Clindamycin	7 mg/kg/dose 3 times daily (max = 300 mg/dose)	10 days

Source: Shulman ST, Bisno AL, Clegg HW, Gerber MA, Kaplan EL, Lee G, Martin JM, Van Beneden C. "Clinical practice guideline for the diagnosis and management of group A streptococcal pharyngitis: 2012 update by the Infectious Diseases Society of America." *Clinical Infectious Diseases*. 55(10):1279-82, 2012 Nov 15.