

1. Respiratory Panel

Treatment considerations are developed using a syndrome-based, guideline-informed framework to support outpatient management of respiratory infections. Antimicrobial selections are reviewed at least annually to account for emerging therapies, major guideline updates, and changes in organism-specific treatment considerations.

Organisms are interpreted within defined clinical syndromes, and detection alone does not mandate antibiotic therapy. Listed therapy options prioritize antimicrobial stewardship principles, including avoidance of antibiotics for viral infections and use of the narrowest effective therapy when indicated.

Considerations for therapy are informed by:

- [**IDSA Clinical Practice Guideline for Group A Streptococcal Pharyngitis \(2012; current standard\)**](#)

Shulman ST, Bisno AL, Clegg HW, et al. Clinical Practice Guideline for the Diagnosis and Management of Group A Streptococcal Pharyngitis: 2012 Update by the Infectious Diseases Society of America. Clin Infect Dis. 2012;55(10):e86-e102. doi:10.1093/cid/cis629.

Barshak MB, Linder JA, Watson ME Jr, et al. 2025 Clinical Practice Guideline Update by the Infectious Diseases Society of America on Group A Streptococcal Pharyngitis: risk assessment using clinical scoring systems in children and adults. Clin Infect Dis. Published online 2025. doi:10.1093/cid/ciaf668.

- [**CDC Clinical Guidance for Group A Streptococcal Pharyngitis**](#)

Centers for Disease Control and Prevention. Clinical Guidance for Group A Streptococcal Pharyngitis. Updated November 18, 2025. Accessed April 16, 2026.

- [**ATS/IDSA Clinical Practice Guideline for Community-Acquired Pneumonia \(2019\)**](#)

Metlay JP, Waterer GW, Long AC, et al. Diagnosis and Treatment of Adults With Community-acquired Pneumonia. An Official Clinical Practice Guideline of the American Thoracic Society and Infectious Diseases Society of America. Am J Respir Crit Care Med. 2019;200(7):e45-e67. doi:10.1164/rccm.201908-1581ST.

Jones BE, Ramirez JA, Oren E, et al. Diagnosis and Management of Community-acquired Pneumonia. An Official American Thoracic Society Clinical Practice Guideline. Am J Respir Crit Care Med. 2026;212(1):24-44. doi:10.1164/rccm.202507-1692ST.

- [**IDSA Clinical Practice Guideline for Acute Bacterial Rhinosinusitis Guidelines \(2012; current standard\)**](#)

Chow AW, Benninger MS, Brook I, et al. IDSA Clinical Practice Guideline for Acute Bacterial Rhinosinusitis in Children and Adults. Clin Infect Dis. 2012;54(8):e72-e112. doi:10.1093/cid/cir1043.

Payne SC, Rosenfeld RM, Corrigan MD, et al. Clinical Practice Guideline: Adult Sinusitis Update. Otolaryngol Head Neck Surg. 2025. Published online July 31, 2025.

- [**CDC Outpatient Clinical Care for Adults \(current as of 2026\)**](#)

Centers for Disease Control and Prevention. Outpatient Clinical Care for Adults. Accessed April 16, 2026.

- [**CDC Pertussis Treatment Guidelines \(current as of 2026\)**](#)

Centers for Disease Control and Prevention. Treatment of Pertussis. Updated December 2, 2025. Accessed April 16, 2026.

- [**CDC Mycoplasma pneumoniae Clinical Overview \(current as of 2026\)**](#)

Centers for Disease Control and Prevention. Clinical Care of Mycoplasma pneumoniae Infection. Updated October 16, 2024. Accessed April 16, 2026.



- [CDC Chlamydia pneumoniae Clinical Overview \(current as of 2026\)](#)

Centers for Disease Control and Prevention. Clinical Care of Mycoplasma pneumoniae Infection. Updated October 16, 2024. Accessed April 16, 2026.

- [Sanford Guide to Antimicrobial Therapy \(2026 Edition\)](#)

The Sanford Guide to Antimicrobial Therapy 2026. Sperryville, VA: Antimicrobial Therapy, Inc.; 2026.

- [Lemierre's Syndrome and Fusobacterium necrophorum in Pharyngitis](#)

Kuppalli K, Livorsi D, Talati NJ, Osborn M. Lemierre's syndrome due to Fusobacterium necrophorum. Lancet Infect Dis. 2012;12(10):808-815. doi:10.1016/S1473-3099(12)70089-0.

- [ACP/CDC guidance on appropriate antibiotic use for acute respiratory tract infections](#)

Harris AM, Hicks LA, Qaseem A, et al. Appropriate Antibiotic Use for Acute Respiratory Tract Infection in Adults: Advice for High-Value Care From ACP and CDC. Ann Intern Med. 2016;164(6):425-434.

2. Urinary Tract Infection (UTI) Panel

Treatment considerations are structured to support management of **symptomatic uncomplicated urinary tract infections in outpatient settings**. Recommendations reflect established first-line outpatient therapies and evidence-based efficacy data for common uropathogens, consistent with current clinical guidance and the Sanford Guide. Antimicrobial listings are updated annually to account for emerging antimicrobial therapies and recent guideline changes.

Antimicrobial susceptibility testing is not performed for UTI Panel samples. When resistance markers (e.g., dfrA, sul1/2, ESBL, carbapenemase, mecA) are identified, antimicrobial options are adjusted in accordance with established genotype-phenotype correlations.

Considerations for therapy are informed by:

- [IDSA Clinical Practice Guideline for Acute Uncomplicated Cystitis & Pyelonephritis \(2011; current standard\)](#)

Gupta K, Hooton TM, Naber KG, et al. International Clinical Practice Guidelines for the Treatment of Acute Uncomplicated Cystitis and Pyelonephritis in Women: a 2010 update by the Infectious Diseases Society of America and the European Society for Microbiology and Infectious Diseases. Clin Infect Dis. 2011;52(5):e103-e120. doi:10.1093/cid/ciq257.

- [IDSA Guidance on Management and Treatment of Complicated Urinary Tract Infections \(2025; current standard\)](#)

Trautner BW, Cortes-Penfield N, Gupta K, et al. Clinical Practice Guideline by the Infectious Diseases Society of America: 2025 Guideline on Management and Treatment of Complicated Urinary Tract Infections: selection of antibiotic therapy for complicated UTI. Clin Infect Dis. Published online 2025. doi:10.1093/cid/ciaf460.

- [IDSA Guidance on Treatment of Antimicrobial-Resistant Gram-Negative Infections \(2024 update\)](#)

Tamma PD, Heil EL, Justo JA, et al. Infectious Diseases Society of America 2024 Guidance on the Treatment of Antimicrobial-Resistant Gram-Negative Infections. Clin Infect Dis. 2024. doi:10.1093/cid/ciae403.

- [CDC Core Elements of Outpatient Antibiotic Stewardship \(2016; current framework\)](#)

Centers for Disease Control and Prevention. Core Elements of Outpatient Antibiotic Stewardship. Accessed April 16, 2026.



- [CDC Sexually Transmitted Infection Treatment Guidelines \(2021; current standard\)](#)

Centers for Disease Control and Prevention. Sexually Transmitted Infections Treatment Guidelines, 2021. Updated July 22, 2021. Accessed April 16, 2026.

- [IDSA Clinical Practice Guideline for the Management of Candidiasis \(2016; current standard\)](#)

Pappas PG, Kauffman CA, Andes DR, et al. Clinical Practice Guideline for the Management of Candidiasis: 2016 Update by the Infectious Diseases Society of America. Clin Infect Dis. 2016;62(4):e1-e50. doi:10.1093/cid/civ933.

- [Sanford Guide to Antimicrobial Therapy \(2026 Edition\)](#)

The Sanford Guide to Antimicrobial Therapy 2026. Sperryville, VA: Antimicrobial Therapy, Inc.; 2026.

- [AUA/CUA/SUFU Guideline for Recurrent Uncomplicated Urinary Tract Infections in Women](#)

Anger JT, Lee U, Ackerman AL, et al. Updates to Recurrent Uncomplicated Urinary Tract Infections in Women: AUA/CUA/SUFU Guideline. J Urol. 2022;208(3):536-541. doi:10.1097/JU.0000000000002860.

- [ACOG Clinical Consensus on Urinary Tract Infections in Pregnancy](#)

American College of Obstetricians and Gynecologists' Clinical Consensus No. 4. Urinary Tract Infections in Pregnant Individuals. Obstet Gynecol. 2023;142(2):435-445.

3. Vaginitis / Genital Panels

Treatment considerations are designed to support outpatient evaluation and management of common vaginal and sexually transmitted infections. Antimicrobial listings are updated annually to account for emerging antimicrobial therapies and recent guideline changes. Organisms are interpreted within clinical context, and therapy considerations reflect severity stratification and typical pathogen patterns in outpatient wound care.

Considerations for therapy are informed by:

- [CDC Sexually Transmitted Infection Treatment Guidelines \(2021; current standard\)](#)

Centers for Disease Control and Prevention. Sexually Transmitted Infections Treatment Guidelines, 2021. Updated July 22, 2021. Accessed April 16, 2026.

- [CDC Bacterial Vaginosis Treatment Guidance \(current as of 2026\)](#)

Centers for Disease Control and Prevention. Bacterial Vaginosis -STI Treatment Guidelines. Updated July 22, 2021. Accessed April 16, 2026.

- [CDC Vulvovaginal Candidiasis Treatment Guidance \(current as of 2026\)](#)

Centers for Disease Control and Prevention. Vulvovaginal Candidiasis -STI Treatment Guidelines. Updated July 22, 2021. Accessed April 16, 2026.

- [ACOG Practice Bulletins on Vaginitis and Sexually Transmitted Infections \(most recent updates\)](#)

American College of Obstetricians and Gynecologists. Vaginitis in Nonpregnant Patients: ACOG Practice Bulletin No. 215. Obstet Gynecol. 2020;135(1):e1-e17.

American College of Obstetricians and Gynecologists. Concurrent Sexual Partner Therapy to Prevent Bacterial Vaginosis Recurrence. Clinical Practice Update. Published 2025. Accessed April 16, 2026.

- [Sanford Guide to Antimicrobial Therapy \(2026 Edition\)](#)

The Sanford Guide to Antimicrobial Therapy 2026. Sperryville, VA: Antimicrobial Therapy, Inc.; 2026.



4. Gastrointestinal (Diarrheal Infection) Panel

Treatment considerations are developed to support outpatient management of acute infectious diarrhea. Antimicrobial listings are updated annually to account for emerging antimicrobial therapies and recent guideline changes.

Considerations for therapy are informed by:

- [**IDSA Clinical Practice Guidelines for Infectious Diarrhea \(2017; current standard\)**](#)

Shane AL, Mody RK, Crump JA, et al. 2017 Infectious Diseases Society of America Clinical Practice Guidelines for the Diagnosis and Management of Infectious Diarrhea. Clin Infect Dis. 2017;65(12):e45-e80. doi:10.1093/cid/cix669.

- [**IDSA/SHEA Clinical Practice Guidelines for Clostridioides difficile Infection \(2021 update\)**](#)

Johnson S, Lavergne V, Skinner AM, et al. Clinical Practice Guideline by the Infectious Diseases Society of America and Society for Healthcare Epidemiology of America: 2021 Focused Update Guidelines on Management of Clostridioides difficile Infection in Adults. Clin Infect Dis. 2021;73(5):e1029-e1044. doi:10.1093/cid/ciab549.

- [**CDC Yellow Book – Travelers’ Diarrhea \(most recent edition\)**](#)

Centers for Disease Control and Prevention. Travelers’ Diarrhea. CDC Yellow Book 2026. Updated March 24, 2026. Accessed April 16, 2026.

- [**CDC Yellow Book – Norovirus \(most recent edition\)**](#)

Centers for Disease Control and Prevention. Norovirus. CDC Yellow Book 2026. Updated April 23, 2025. Accessed April 16, 2026.

- [**AAP Red Book: Report of the Committee on Infectious Diseases \(2021–2024 edition\)**](#)

American Academy of Pediatrics. Red Book: 2024-2027 Report of the Committee on Infectious Diseases. 32nd ed. Itasca, IL: American Academy of Pediatrics; 2024.

- [**Sanford Guide to Antimicrobial Therapy \(2026 Edition\)**](#)

The Sanford Guide to Antimicrobial Therapy 2026. Sperryville, VA: Antimicrobial Therapy, Inc.; 2026.

5. Wound Panel

Treatment considerations are structured to support outpatient management of common mild-to-moderate skin and soft tissue infections. Antimicrobial listings are updated annually to account for emerging antimicrobial therapies and recent guideline changes. Organisms are interpreted within clinical context, and therapy considerations reflect severity stratification and typical pathogen patterns in outpatient wound care.

Considerations for therapy are informed by:

- [**IDSA Skin and Soft Tissue Infection Guidelines \(2014; current standard\)**](#)

Stevens DL, Bisno AL, Chambers HF, et al. Practice Guidelines for the Diagnosis and Management of Skin and Soft Tissue Infections: 2014 Update by the Infectious Diseases Society of America. Clin Infect Dis. 2014;59(2):e10-e52. doi:10.1093/cid/ciu296.



- [**IDSA Clinical Practice Guidelines for Diabetic Foot Infections \(2012; reaffirmed\)**](#)

Senneville E, Albalawi Z, van Asten SAV, et al. IWGDF/IDSA Guidelines on the Diagnosis and Treatment of Diabetes-related Foot Infections (IWGDF/IDSA 2023). Clin Infect Dis. 2024. doi:10.1093/cid/ciad527.

- [**CDC Core Elements of Outpatient Antibiotic Stewardship \(2016; current framework\)**](#)

Centers for Disease Control and Prevention. Core Elements of Outpatient Antibiotic Stewardship. Accessed April 16, 2026.

- [**CDC Clinical Overview of MRSA and Skin Infections \(current as of 2026\)**](#)

Centers for Disease Control and Prevention. Clinical Overview of Methicillin-resistant Staphylococcus aureus (MRSA). Updated June 27, 2025. Accessed April 16, 2026.

- [**IDSA Guidance on Treatment of Antimicrobial-Resistant Gram-Negative Infections \(2024 update\)**](#)

Tamma PD, Heil EL, Justo JA, et al. Infectious Diseases Society of America 2024 Guidance on the Treatment of Antimicrobial-Resistant Gram-Negative Infections. Clin Infect Dis. 2024. doi:10.1093/cid/ciae403.

- [**CDC Genital Herpes – STI Treatment Guidelines \(current as of 2026\)**](#)

Centers for Disease Control and Prevention. Genital Herpes -STI Treatment Guidelines. Accessed April 16, 2026.

- [**Sanford Guide to Antimicrobial Therapy \(2026 Edition\)**](#)

The Sanford Guide to Antimicrobial Therapy 2026. Sperryville, VA: Antimicrobial Therapy, Inc.; 2026.

- [**Expert Panel Review by Infectious Disease Physicians**](#)

