Community Acquired Pneumonia



DEVELOPMENT TEAM

Thank you to the following **content experts** who led the development of the Community Acquired Pneumonia (CAP) Bottom Line Recommendations:

Todd Florin, MD, MSCE, Associate Professor of Pediatrics, Department of Pediatrics, Northwestern University Feinberg School of Medicine; Director of Research, Division of Emergency Medicine, Ann & Robert H. Lurie Children's Hospital of Chicago; Director, Grainger Research Program in Pediatric Emergency Medicine

Sriram Ramgopal MD, Assistant Professor of Pediatrics, Department of Pediatrics, <u>Northwestern University</u>
<u>Feinberg School of Medicine</u>, Division of Emergency Medicine, <u>Ann & Robert H. Lurie Children's Hospital of Chicago</u>

Jeffrey Pernica, MD, MSc, Head, Division of Infectious Disease, Department of Pediatrics, McMaster University

Thank you to the TREKK Editorial Committee, editor **Dr. Sarah Reid** (CHEO), CHRIM Parent and Youth Advisory Committee, and EIIC KEAP Program who provided editorial support and expertise in the development of this resource. Thank you as well to **Megan Bale-Nick**, TREKK Project Coordinator (<u>University of Manitoba</u>) who coordinated the development process. To see our resource development process please visit our website here.

KEY REFERENCES (as cited in the Community Acquired Pneumonia (CAP) Bottom Line Recommendations)

- 1. Shah SN, Bachur RG, Simel DL, Neuman MI. <u>Does This Child Have Pneumonia?</u>: The Rational Clinical Examination Systematic Review. *JAMA*. 2017;318(5):462-471.
- 2. Ramgopal S, Ambroggio L, Lorenz D, Shah SS, Ruddy RM, Florin TA. <u>A Prediction Model for Pediatric Radiographic Pneumonia</u>. *Pediatrics*. 2021;149(1):e2021051405.
- 3. Ramgopal S, Lorenz D, Navanandan N, et al. <u>Validation of Prediction Models for Pneumonia Among Children in the Emergency Department</u>. *Pediatrics*. 2022;150(1):e2021055641.
- 4. Lipsett SC, Hirsch AW, Monuteaux MC, Bachur RG, Neuman MI. <u>Development of the Novel Pneumonia Risk</u> Score to Predict Radiographic Pneumonia in Children. Pediatr Infect Dis J. 2022;41(1):24-30.
- 5. Jain S, Williams DJ, Arnold SR, et al. <u>Community-acquired pneumonia requiring hospitalization among U.S. children.</u> *N Engl J Med.* 2015;372(9):835-845.
- 6. Shah VP, Tunik MG, Tsung JW. <u>Prospective evaluation of point-of-care ultrasonography for the diagnosis of pneumonia in children and young adults</u>. *JAMA Pediatr*. 2013;167(2):119-125.
- 7. Bradley JS, Byington CL, Shah SS, et al. <u>The management of community-acquired pneumonia in infants and children older than 3 months of age: Clinical practice guidelines by the pediatric infectious diseases society and the infectious diseases society of America. *Clin Infect Dis.* 2011;53(7):25-76.</u>
- 8. Florin TA, Ambroggio L, Lorenz D, et al. <u>Development and Internal Validation of a Prediction Model to Risk Stratify Children with Suspected Community-Acquired Pneumonia</u>. *Clin Infect Dis*. 2021;73(9):e2713-e2721.
- 9. Williams DJ, Zhu Y, Grijalva CG, et al. <u>Predicting severe pneumonia outcomes in children</u>. *Pediatrics*. 2016;138(4).
- 10. Kuitunen I, Jääskeläinen J, Korppi M, Renko M. <u>Antibiotic Treatment Duration for Community-Acquired Pneumonia in Outpatient Children in High-Income Countries-A Systematic Review and Meta-Analysis</u>. *Clin Infect Dis*. 2022;ciac374.
- 11. Gao Y, Liu M, Yang K, et al. <u>Shorter Versus Longer-term Antibiotic Treatments for Community-Acquired Pneumonia in Children: A Meta-analysis. Pediatrics.</u> 2023;151(6):e2022060097.

For a complete list of the evidence that informed the creation of the CAP Bottom Line Recommendations see the Evidence Repository <u>here</u>.