

Pediatric Asthma Guideline Checklist

Public Health Agency-Level 3



The current state of the issue

Asthma is the most common chronic disease among children, with many potential risk factors including smoking, obesity, family history, and environmental triggers, and adverse childhood experiences.^{1,2} In Washington state nearly 120,000 children have been diagnosed with asthma, accounting for between 8 to 11 percent of children in middle and high school.³ Over one year in Washington state, 28% of youth with asthma lacked routine healthcare visits, and one in five youth with asthma visited an emergency room to manage asthma symptoms.⁴ Poor control of pediatric asthma can lead to chronic absenteeism and affect the academic success of children. Frequently, the burden of asthma in the United States falls disproportionately on Black, Hispanic, and American Indian/Alaskan Native people.⁵ Asthma is a long-term disease that cannot be cured but can be effectively managed through guidelines-based treatment and mitigation plans.

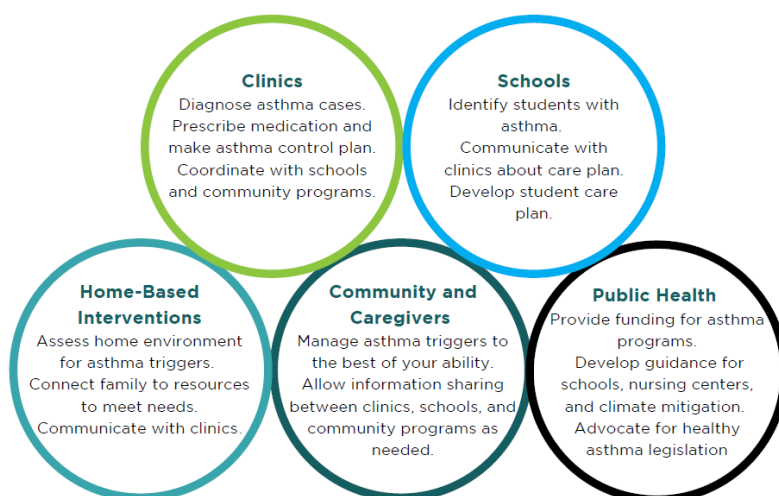
School Setting

- ☐ Develop and update guidance for improving indoor (e.g. HVAC systems) and outdoor (e.g. source control) air quality in schools.
- ☐ Develop best practices for managing asthma at childcare centers

Environmental Exposures

- ☐ Remove requirement to use chlorine bleach as a disinfectant since bleach is an asthma irritant.
- ☐ Promote adoption of the National Center for Healthy Housing's recommendations for air quality codes.
- ☐ Provide funding to encourage upgrades to meet air quality codes.

Model for communication across health care stakeholders



Resources

- The Bree Report on Pediatric Asthma is meant to supplement these resources.
- Full Bree Report on Pediatric Asthma: <https://www.qualityhealth.org/bree/wp-content/uploads/sites/8/2023/01/Bree-Pediatric-Asthma-Report-Final.pdf>
- National Asthma Education and Prevention Program: <https://www.nhlbi.nih.gov/science/national-asthma-education-and-prevention-program-coordinating-committee-naepcc>
- CDC's Community Preventative Service Task Force-Asthma Control: <https://www.thecommunityguide.org/media/pdf/Asthma-Home-Based-Children.pdf>
- Washington State's Asthma Management in Educational Settings Guide: <https://ospi.k12.wa.us/sites/default/files/public/healthservices/pubdocs/asthmamanual.pdf>
- Asthma and Allergy Foundation of America: <https://aafa.org/asthma-allergy-research/our-research/climate-health/>

Read the full Bree Report on Pediatric Asthma online by scanning the QR code:



Connect with the Bree Collaborative at bree@qualityhealth.org

References: 1. Ferrante, G., & Grutta, S. 2018. The Burden of Pediatric Asthma. *Frontiers of Pediatrics*. <https://doi.org/10.3389/fped.2018.00186>. WA 2. Department of Health. (2010). *Children and Youth with Asthma: Washington State 2009-2010*. <https://www.doh.wa.gov/Portals/1/Documents/Pubs/345-305-ChildAsthmaFactSheet.pdf>. 3. WA Department of Health. (2022). *Asthma Data* <https://www.doh.wa.gov/dataandstatisticalreports/diseasesandchronicconditions/asthma>. 4. Washington State Department of Health. 2013. *The Burden of Asthma in Washington State*. Accessed August 2022. Available: <https://doh.wa.gov/sites/default/files/legacy/Documents/Pubs/345-240-AsthmaBurdenRept13.pdf> 5.5 Asthma and Allergy Foundation of America. 2020. *Asthma Disparities in America: A Roadmap to Reducing Burden on Racial and Ethnic Minorities*. Aafa.org. Accessed June 2022. Available: <https://www.aafa.org/media/2743/asthma-disparities-in-america-burden-on-racial-ethnic-minorities.pdf>