Pediatric Asthma Guideline Checklist Health Delivery System-

Level 2



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. 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. 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. 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. Asthma is a long-term disease that cannot be cured but can be effectively managed through guidelines-based treatment and mitigation plans.

Clinical Setting

| 0 | Develop a population health strategy for managing pediatric asthma that includes automated event notification, care coordination, and a registry of pediatric asthma patients. Outreach to patients with persistent asthma for annual asthma preventive visits. Implement automated event notification systems for patients diagnosed with asthma when admitted to the emergency room, urgent care, or inpatient hospitalization. Implement clinic-based care coordination for pediatric asthma patients' clinical needs. Ensure alignment and communication across care coordination provided in other settings. Develop metrics for asthma control quality. Track and measure asthma prevalence and stratify by severity and control. Track severity and control using ICD-10 codes. |
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| | Home Environment |
| | Implement social needs screening and interventions in the clinical setting |
| | Climate and Environment |
| | Use environmentally friendly, EPA-approved disinfectants for cleaning |

Model for communication across health care stakeholders

Clinics Schools Diagnose asthma cases Identify students with Prescribe medication and asthma. make asthma control plan. Communicate with Coordinate with schools clinics about care plan. and community programs Develop student care plan. Home-Based Community and **Public Health** Interventions Caregivers Provide funding for asthma Assess home environment Manage asthma triggers to programs. for asthma triggers. the best of your ability. Develop guidance for Connect family to resources Allow information sharing schools, nursing centers, to meet needs between clinics, schools, and and climate mitigation. Communicate with clinics community programs as Advocate for healthy needed. asthma legislation

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:
 <u>https://www.nhlbi.nih.gov/science/national-asthma-education-and-prevention-program-coordinating-committee-naeppcc</u>
- 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/asthmadata. 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