

Adolescent Self-Reported Measures for Assessing Asthma Management

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Abstract

Objective: Learning the critical elements that should be included in a comprehensive measure reflecting the key concepts underlying asthma self-management for adolescents is important to ensure the transfer of optimal care to adolescents. This review identifies and evaluates adolescent self-reported measures for asthma management in experimental and quasi-experimental studies. **Data Sources:** Eighteen studies were identified using CINAHL, Nursing Allied Health Prevention, Medline, ProQuest, and PubMed databases. Search terms were based on the National Library of Medical subject headings (MeSH terms) and Preferred Reporting Items for Systematic Reviews and Meta-Analysis (PRISMA) guidelines. **Study Selections:** Studies included were peer-reviewed and published in English between 2010-2022. Experimental and quasi-experimental studies that used asthma measures for children and adolescents between 10 and 19 years old were considered to identify high-quality, validated measures. **Results:** In total, 18 studies were included, comprised of 14 experimental and four quasi-experimental. This review revealed six major concepts: quality of life, disease control, self-efficacy, knowledge, attitudes, and asthma self-management. The review found an apparent heterogeneity of measures and a deficiency of comprehensive measurements focused on actual ASM behaviors. **Conclusion:** A comprehensive measure was not uncovered; therefore, the development of a reliable and valid comprehensive asthma measure is necessary to assess adolescents' asthma self-management abilities and to evaluate the essential components of educational interventions. In terms of assessment and evaluation, research studies and clinical practices would greatly benefit from a standardized measure that encompasses the identified major concepts.

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