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Presentation Title: Recommendations for Evaluation Metrics for Asthma Home Visiting Programs: Measuring Environmental Management & Health Outcomes

Abstract: Comprehensive Asthma Interventions include asthma education, environmental assessment, and remediation of asthma triggers in the home which are necessary to remediate environmental factors that contribute to health inequities—but are not typically paid for by health insurance plans. Research evidence concludes that home-based, multi-trigger, multicomponent interventions with an environmental component—are effective in reducing acute care visits, lowering costs, and improving overall quality of life and productivity in children and adolescents with asthma. We convened a group of national stakeholders to assist in compiling a standard set of measures for use by providers, health systems, managed care organizations, and public health departments which link health outcomes to obtain sustainable reimbursement for services. This final report of the Work Group presents a set of 28 measures that covers the multiple components of comprehensive asthma care that are integral to the evaluation of a home visiting program both in terms of efficacy and cost-effectiveness. The performance and outcome, measures cover preventive care, value multiple perspectives, foster collaboration with community-based services, and are vital for improving outcomes for children, caregivers, and adults. There are cross-sector partnerships among state energy efficiency investments, Medicaid programs, and managed care plans to innovatively pay for services that address social determinants of health and incentivize the inclusion of health equity measures. A population health approach is the best way to address social determinants of health, such as housing quality, which are known to have a significant impact on individual health outcomes. Comprehensive asthma interventions are community-based integrated housing programs that deliver energy efficiency and non-energy benefits and reduce energy cost burdens and social inequalities at multiple scales. Alleviating pressures from the built environment leaves individuals, communities, and governance with more resilience resources to address and mitigate future social, environmental, and economic stressors.