

## **Association of Asthma Educators 2019 Poster Abstract Submission Page (DATA)**

**Title:** The impact of provider communication of the “asthma-action plan” on hospital outpatient revisits for pediatric asthma.

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**Background:** At the Children’s Hospital of Georgia (CHOG), we found that outpatient revisits for pediatric asthma were significantly above national norms. According to the NIH, costly hospital revisits for asthma can be prevented through guidelines-based self-management of asthma, central to which, is the use of a written Asthma-Action Plan (AAP).

**Methods:** We conducted a 6-month intervention to implement “patient-and-family-centered communication of the AAP” in CHOG outpatient clinics, based on the “change-management” theoretical framework. Provider communication of AAP was assessed through a survey of “Parent Understanding of the Child’s AAP.” A quasi-experimental approach was used to measure outpatient revisits for pediatric asthma, pre- and post-intervention.

**Results:** —Survey results showed that provider communication of the AAP was unanimously perceived highly positively by parents of pediatric asthma patients, across various metrics of patient-centered care. However, there were no statistically significant differences in outpatient “revisit behavior” for pediatric asthma between pre- and post-intervention periods after controlling for several demographic variables. Additionally, revisits remained significantly above national norms.

**Conclusion:** Results suggest limited potential of “effective provider communication of AAP,” in reducing outpatient revisits for pediatric asthma; and indicate need for broader community based interventions to address patient life variables impacting self-management and hospital revisits for pediatric asthma. Findings suggest need for a revised “socio-ecological” theoretical framework, and also provide insight into various policy, research, and practice implications for asthma management and control.