

# Improving chronic respiratory illness and medication use in adolescents

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# Background

- Asthma
  - Chronic respiratory illness
  - Children and Adults
  - Uncontrolled asthma leads to negative outcomes
- Optimal medication use key component of care
  - Up to 70% of children fail to take medications safely and appropriately
  - Barriers
    - Forgetting, embarrassment, lack of education and understanding, regimen complexity, denial, difficulty with routes of delivery, and difficulty with self-monitoring
    - Often not addressed in health care encounters

# The Study

- Goal

- Gain a better understanding of specific barriers and how those barriers impact the use of medications in adolescents with asthma

- Methods overview

- Longitudinal cohort design
- Adolescents and caregivers
- Variables of interest
  - Barriers, medication adherence, pulmonary function, asthma control, & quality of life

# How are we accomplishing this ...

- Georgia CTSA
  - CTRU
    - Kim Schmitz, Jennifer Dunlop, Krissy Capitano, Stephanie Croyle, Bob Capitano
    - Recruitment and outreach
    - Scheduling and conducting visits (baseline & follow-up)
    - Data collection (REDCap)
      - Clinical
      - Biometrics
      - Patient interview data