

# Parental Self-Efficacy Among Minority Caregivers of Children with Moderate-to-Severe Asthma

Poster Number 355

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## Introduction

- Asthma is common chronic condition in children throughout the United States<sup>1-4</sup>
- Health disparities in asthma exist for both Hispanic/Latinx and non-Hispanic Blacks in both adults and children<sup>1-4</sup>
- Asthma self-management is crucial for all people with asthma in obtaining asthma control<sup>5</sup>
- Asthma self-efficacy among Hispanic and non-Hispanic Black caregivers of children with moderate to severe asthma is not well understood

## Methods/Results

- Secondary data analyses of baseline data from Hispanic/Latinx and non-Hispanic Black parent-child dyad participants of iTRACC (Improving Technology-Assisted Recording of Asthma Control in Children)

**Table 1: Demographics (n=157)**

Gender		
	Female	31.2% (95% CI 24.4%-38.9%):
	Male	68.8% (95% CI 61.1%-75.%)
Ethnicity/Race		
	Hispanic/Latinx	54.8% (95% CI 46.9%-62.4%)
	Non-Hispanic Black	45.2% (95% CI 46.9%-62.4%)
Mean age (years, standard deviation)		9.2 years (SD 3.5 years)
Public Insurance		
	Yes	82.2% (95% CI 75.3-87.4%)
	No	17.8% (95% CI 12.6-24.7%)

## Methods/Results

- The total number of parent-child dyads in this sample is 157
- 54.8% were Hispanic/Latinx and 45.2% were non-Hispanic blacks
- Parental Asthma Management Self-Efficacy Scale (PAMSES) scores were measured, along with sub-scale scores (asthma prevention and exacerbation management)
- Multiple linear regressions were performed

**Table 2: Asthma Self-Efficacy Measures and Asthma Control**

PAMSES (mean, standard deviation)	4.4 (SD 0.6)
PAMSES Asthma Prevention (mean, standard deviation)	4.5 (SD 0.6)
PAMSES Asthma Exacerbation Management (mean, standard deviation)	4.3 (SD 0.7)
Asthma Control Test (ACT or c-ACT)	18.5 (SD 4.6)

## Conclusion

- Self-efficacy among caregivers of children with asthma is high
- Self-efficacy may be better for caregivers of younger children vs older children
- Interventions to capitalize on high self-efficacy to improve asthma outcomes in minority children must be prioritized
- Further research is needed to explore child age and parental self-efficacy relationships

## References

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## Acknowledgements

This study was sponsored by:



**Figure 1: Sample PAMSE Questions**

	Not at all sure	A little bit sure	Fairly sure	Quite sure	Completely sure	Does not apply
How sure are you that you can get your child take his/her medications?	1	2	3	4	5	8
How sure are you that you can use the medication correctly?	1	2	3	4	5	8
How sure are you that you can get your child to a doctor's appointment?	1	2	3	4	5	8
How sure are you that you can follow the directions for giving medication to your child?	1	2	3	4	5	8
How sure are you that you can help your child avoid things he/she is allergic to?	1	2	3	4	5	8

