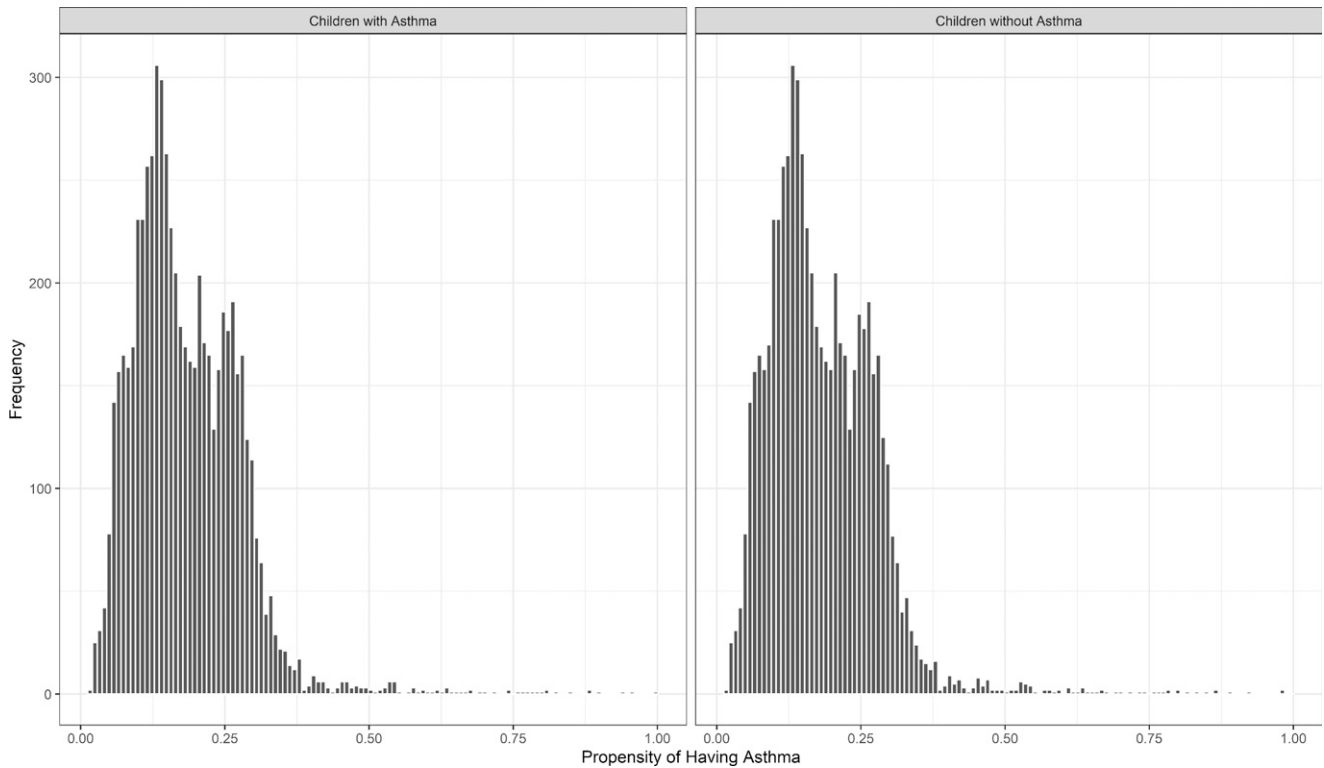


Supplemental Materials



SUPPLEMENTAL FIGURE 3

Distribution of propensity scores in the matched cohort.

SUPPLEMENTAL TABLE 5 Diagnostic Codes for Asthma and Atopic Diseases

Diagnosis	ICD-9	ICD-10
Asthma	493.X	J45.X
Atopic diseases		
Allergic rhinitis	477.X	J30.X
Acute atopic conjunctivitis	372.05	H10.1X
Other chronic allergic conjunctivitis	372.14	H10.45
Personal history of allergy, other than to medicinal agents, presenting hazards to health	V15.0X	Z91.0X
Anaphylactic reaction due to unspecified food	995.6X	T78.X
Other adverse food reactions, not elsewhere classified	995.7	T78.X
Atopic dermatitis and related conditions	691.X	L20.

SUPPLEMENTAL TABLE 6 Asthma Prescription Medications

Category	Medication
Rescue medications	Albuterol dry powder inhaler [ProAir]
	Albuterol inhalant solution
	Albuterol metered dose inhaler [ProAir, Proventil, Ventolin]
	Albuterol oral tablet
	Albuterol or ipratropium bromide inhalant solution [DuoNeb]
	Albuterol or ipratropium bromide metered dose inhaler [Combivent]
	Ipratropium bromide inhalant solution [Atrovent]
	Ipratropium bromide metered dose inhaler [Atrovent]
	Levalbuterol inhalant solution [Xopenex]
	Levalbuterol metered dose inhaler [Xopenex]
ICS	Beclomethasone dipropionate metered dose inhaler [Qvar]
	Budesonide dry powder inhaler [Pulmicort]
	Budesonide inhalant solution [Pulmicort]
	Ciclesonide metered dose inhaler [Alvesco]
	Fluticasone furoate dry powder inhaler [Arnuity Ellipta]
	Fluticasone propionate dry powder inhaler [Flovent]
	Fluticasone propionate metered dose inhaler [Flovent]
	Mometasone furoate dry powder inhaler [Asmanex]
	Montelukast oral tablet [Singulair]
	Zileuton oral tablet [Zyflo]
LTRA	
LABA	Salmeterol inhalant product [Serevent]
LAMA	Tiotropium metered dose inhaler [Spiriva]
Combination therapies	Budesonide or formoterol fumarate metered dose inhaler [Symbicort]
	Fluticasone furoate or vilanterol dry powder inhaler [Breo]
	Fluticasone propionate or salmeterol metered dose inhaler [Advair]
	Fluticasone propionate or salmeterol dry powder inhaler [Advair]
	Mometasone fumarate or formoterol furoate metered dose inhaler [Dulera]
Biologics	Omalizumab [Xolair]
	Mepolizumab [Nucala]

LABA, long-acting β agonist; LAMA, long-acting muscarinic agent; LTRA, leukotriene receptor antagonist.

SUPPLEMENTAL TABLE 7 Comparison of the Cumulative Incidence of SARS-CoV-2 Infection Among Children in the Propensity Score-Matched Cohort by Asthma Status Before (March 1, 2020 to July 31, 2021) and During (August 1, 2021 to September 30, 2021) the Third Wave of SARS-CoV-2 Infections in Durham County, North Carolina

	SARS-CoV-2 Infection		Adjusted RR (95% CI)	<i>P</i>	
	<i>n</i>	(%)			
Pre Δ (Mar. 1, 2020 to July 31, 2021)					
Asthma (<i>n</i> = 6324)	238	3.8	0.90	(0.76–1.07)	.25
No asthma (<i>n</i> = 6324)	264	4.2	1.00	Ref	–
Post Δ (August 1, 2021 to Sept. 30, 2021)					
Asthma (<i>n</i> = 6324)	112	1.8	1.22	(0.93–1.60)	.16
No asthma (<i>n</i> = 6324)	92	1.5	1.00	Ref	–

Ref, reference.