Table S2. Logistic Regression-Adjusted Models of Summary Measures of Action Plan With Education

	Equation 3: Dependent Variable Is Both Asthma Action Plan and Education						Equation 4: Dependent Variable Is Either Asthma Action Plan or Education					
Equation	**Without Mediator (Time)**			**With Time as Mediator**			**Without Mediator (Time)**			**With Time as Mediator**		
No. of cases	1333			1333			1333			1333		
Nagelkerke R^2	0.261			0.270			0.141			0.161		
Model χ^2 (P)*	188.9 (.000)			196.0 (.000)			134.0 (.000)			154.0 (.000)		
C-statistic	0.662			0.679			0.585			0.593		
	Exp (B)	**CI-L**	**CI-U**	**Exp (B)**	**CI-L**	**CI-U**	**Exp (B)**	**CI-L**	**CI-U**	**Exp (B)**	**CI-L**	**CI-U**
Race or ethnicity†												
White, non-Hispanic	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Black, non-Hispanic	1.06‡	0.53	2.09	1.07‡	0.54	2.13	1.35‡	0.82	2.23	1.37‡	0.82	2.27
Hispanic	1.98‡	0.96	4.11	2.05‡	0.95	4.43	1.33‡	0.76	2.34	1.38‡	0.78	2.45
Region												
Northeast	2.24‡	0.96	5.20	1.97‡	0.79	4.93	**2.20‡**	**1.29**	**3.77**	**2.01‡**	**1.17**	**3.45**
All others	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Insurance§												
Medicaid	0.75‡	0.34	1.65	0.72‡	0.33	1.61	0.88‡	0.53	1.45	0.86‡	0.51	1.43
All others	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Electronic reminders												
No	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Yes	1.02‡	0.40	2.61	0.90‡	0.35	2.32	1.03‡	0.61	1.75	0.93‡	0.54	1.60
Non-physician¶												
No	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Yes	**6.47**	**2.54**	**16.49**	**5.28‡**	**1.84**	**15.22**	**3.86**	**1.76**	**8.47**	**3.06‡**	**1.36**	**6.87**
Exacerbation risk												
Lower	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Higher	**4.90**	**2.19**	**10.94**	**4.69**	**2.08**	**10.56**	**1.98‡**	**1.29**	**3.04**	**1.89‡**	**1.23**	**2.90**
Time spent												
<30 min	Mediator—not included			Ref	Ref	Ref	Mediator—not included			Ref	Ref	Ref
≥ 30 min	Mediator—not included			1.81‡	0.92	3.58	Mediator—not included			**1.99**	**1.33**	**2.97**

CI-L, 95% confidence interval, lower limit; CI-U, 95% confidence interval, upper limit; LL, log likelihood; REF, reference

* χ^2 change value calculated by subtracting –2LL value at previous model step. All significance levels and confidence intervals account for the complex clustered sampling design.

† Imputed to account for missing data using a model-based regression method; those with other non-Hispanic race (n = 100, e.g., Asian, Native Hawaiian, American Indian) were excluded from race or ethnicity analysis.

‡ Relative standard error of the estimate exceeds 30%; interpret cautiously.

§ Based on primary payer for the visit. Other payer type includes Medicare, private insurance, worker's compensation, self-pay, no charge, or other/unknown.

¶ Nurse practitioner or physician assistant.