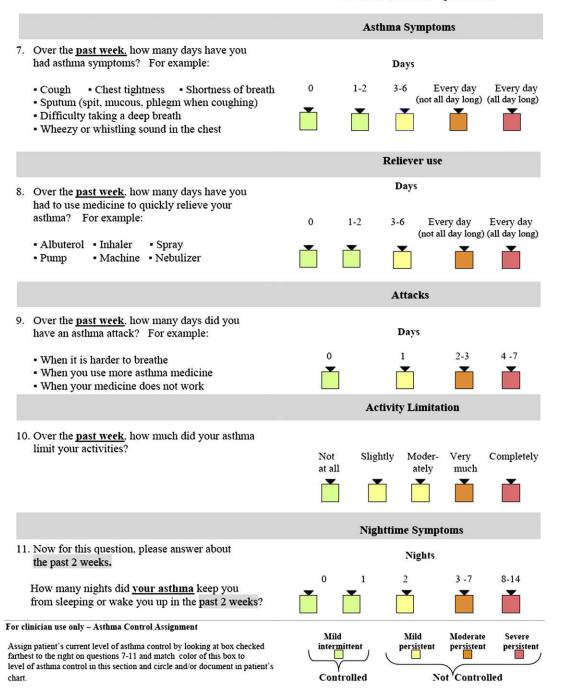
Asthma Control & Communication Instrument

Please check one answer for each of the following Your answers will help your doctor give you the best	ng questions.	month day	/	
		Direction		
 Since your last visit to <u>this</u> doctor's office, how has your asthma been? If this is your first visit to this doctor, please answer about the past 2 months. 	Better	Same	Worse	
	1	Bothered		
 Since your last visit to <u>this</u> doctor's office, how much have you been bothered by your asthma? If this is your first visit to this doctor, please answer about the past 2 months. 	Not bothered	Somewhat bothered	Very bothered	
		Risk		
3-5. Since your last visit to <u>this</u> doctor's office, have you:				
If this is your first visit to this doctor, please answer about the past 2 months.				
Been to the emergency room for your asthma?	No —		Yes	
4. Been hospitalized for your asthma?				
5. Used prednisone (steroid pill, steroid liquid or steroid syrup) for your asthma?				
	Forget to take medicine			
6. How often do you forget to take your <u>daily</u> asthma medicine when you feel fine?	I am not supposed to take a daily asthma medicine None of the time		Most of All of the time	

FIG E1. The final version of the Asthma Control and Communication Instrument.

Asthma Control Questions



(Continued).

943.e3 PATINO ET AL

12. Ple	ease write down anything else you would like your doctor to know about your asthma.

Thank you very much for taking the time to answer this questionnaire!

(Continued).

TABLE E1. ACCI Control domain scoring values among participants (n = 270)

ACCI categories Percentag		ACCI sum score, mean (95% CI)	ACCI problem index, mean (95% CI)	
Mild-intermittent	5	1 (0.7-1.9)	0	
Mild-persistent	24	4 (3.7-4.6)	1.8 (1.6-2.0)	
Moderate-persistent	45	9 (8.1-9.1)	3.5 (3.3-3.7)	
Severe-persistent	26	13 (12.5-14.1)	4.4 (4.2-4.7)	

943.e5 PATINO ET AL

J ALLERGY CLIN IMMUNOL

NOVEMBER 2008

TABLE E2. ACCI PCA and internal consistency reliability (n = 270)

	Components Asthma control	Acute care	Global perception of asthma burden	Adherence
Asthma attacks	0.792	-0.041	0.095	-0.074
Reliever use	0.735	0.086	0.104	0.143
Activity limitation	0.734	0.167	0.147	-0.075
Nocturnal symptoms	0.715	0.151	0.102	-0.081
Asthma symptoms	0.677	0.082	0.282	0.066
Hospitalizations	0.055	0.844	0.129	0.073
ED visits	0.073	0.824	0.215	-0.116
Oral steroid use	0.238	0.610	-0.359	0.019
Direction (better, same, worse)	0.223	-0.020	0.800	0.018
Bother	0.395	0.204	0.628	0.079
Adherence	-0.023	-0.018	0.027	0.978
Internal consistency reliability Cronbach α	0.800	0.590	0.573	Not applicable

 $Extraction\ method,\ PCA;\ rotation\ method,\ varimax\ with\ Kaiser\ normalization.$

ED, Emergency department.

TABLE E3. ACCI discriminant properties: Mean (95% CI) asthma control, QOL, and spirometric values across ACCI control categories by using ANOVA by race (black and white subjects)

	ACCI	ACCI	ACCI	ACCI	
	Mild-intermittent	Mild-persistent	Moderate-persistent	Severe-persistent	P trend
Asthma control measures					
ACT black	19	18	15	13	<.001
ACT white	23	19	15	11	<.001
ACQ black	1.6	2	2.7	3.3	<.001
ACQ white	1	2	2.7	3.3	<.001
ATAQ black	0.75	0.95	1.7	2	<.001
ATAQ white	0.67	0.72	1.7	2	<.001
QOL measures					
m-AQLQ domains					
Overall black	5.6	5.1	4.6	3.6	.001
Overall white	6.6	5.4	4.4	3.5	.001
Symptom black	5.6	5.2	4.4	3.4	<.001
Symptom white	6.6	5.1	4.3	3.4	<.001
Activity black	6.5	5.6	5.1	4.2	<.001
Activity white	6.8	5.7	4.9	3.8	
Environmental black	5.0	4.5	4.1	3.2	<.001
Environmental white	6.0	5.2	3.9	3.2	<.001
Emotional black	5.4	5.1	4.8	3.7	.002
Emotional white	6.9	5.5	4.5	4.2	.002
SGRQ domains					
Overall black	25	38	41	53	<.001
Overall white	26	38	46	57	.001
Symptom black	54	53	59	67	.001
Symptom white	30	60	58	73	.002
Activity black	33	51	55	66	.002
Activity white	19	48	60	71	.003
Impact black	12	27	27	41	<.001
Impact white	29	26	34	44	.007
SF-36 domains					
Physical CS black	46	45	41	33	.005
Physical CS white	50	41	37	30	.005
Mental CS black	55	45	45	43	.332
Mental CS white	14	44	43	45	.176
Spirometric values					
FEV ₁ (L) black	2	2	2	1.9	.433
FEV ₁ (L) white	3.3	2.5	2.2	2.1	.011
FEV ₁ % predicted black	80	76	74	72	.334
FEV ₁ % predicted white	93	73	74	68	.151
PEFR (L/s) black	5.4	4.7	4.5	4.1	.035
PEFR (L/s) white	8.2	5.7	4.8	4.9	.007
PEFR % predicted black	86	71	68	62	.021
PEFR % predicted white	101	76	75	70	.076

CS, Component score.