

Table 2 Risk factors for hospitalization in the study sample of children with asthma attending the outpatient clinic and emergency department in Sohag University hospital, Egypt

Variable	Home treatment (n = 140)		Hospital treatment (n = 38)		P-value ^a
	No.	%	No.	%	
Presenting symptoms					< 0.001
Cough	52	37.1	0	0.0	
Dyspnoea	2	3.1	2	5.3	
Both	86	61.4	36	94.7	
Demographic factors					
Sex					0.02
Female	53	84.1	10	26.3	
Male	87	75.7	28	73.7	
Age (years) [mean (SD)]	5.8 (2.4)		6.9 (2.6)		0.19
Environmental factors					
Residence					0.06
Rural	84	60.0	29	76.3	
Urban	56	40.0	9	23.7	
Exposure to indoor animals					0.51
No	69	49.3	16	42.1	
Cats	16	11.4	4	10.5	
Chickens	19	13.6	9	23.7	
Cats + chickens	36	25.7	9	23.7	
Exposure to outdoor dust and smoke					0.08
No	55	39.3	9	23.7	
Yes	85	60.7	29	76.3	
Exposure to tobacco smoke					0.71
No	58	41.4	17	44.7	
Yes	82	58.6	21	55.3	
Clinical factors					
Anthropometric measures					
Weight (kg) [mean (SD)]	20.0 (6.5)		22.0 (6.9)		0.09
Height (cm) [mean (SD)]	110.0 (14.4)		116.0 (16.2)		0.02
Positive family history of asthma					0.04
No	71	50.7	12	31.6	
Yes	69	49.3	26	68.4	
Diurnal variations of symptoms					0.001
Night only	94	67.1	14	36.8	
Day + night	46	32.9	24	63.2	
Exercise-induced asthma					0.052
No	69	49.3	12	31.6	
Yes	71	50.7	26	68.4	
Upper respiratory tract infections					0.56
No	41	29.3	13	34.2	
Yes	99	70.7	25	65.8	
Relieving factors					
Rest					0.16
No	86	61.4	28	73.7	
Yes	54	38.6	10	26.3	

Table 2 Risk factors for hospitalization in the study sample of children with asthma attending the outpatient clinic and emergency department in Sohag University hospital, Egypt (concluded)

Variable	Home treatment (n = 140)		Hospital treatment (n = 38)		P-value ^a
	No.	%	No.	%	
Relieving factors					
Oral bronchodilator					0.84
No	24	17.1	6	15.8	
Yes	116	82.9	32	84.2	
Inhaled bronchodilator					0.6
No	1	0.7	0	0.0	
Yes	139	99.3	38	100.0	
Prophylactic treatment					0.003
No	111	79.3	21	55.3	
Yes	29	20.7	17	44.7	

^aChi-squared test was used for categorical factors and t-test for quantitative data.