

Predictor	Acute Chest Syndrome				ICU Admission			
	Unadjusted		Adjusted		Unadjusted		Adjusted	
	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value	OR (95% CI)	P- value
Age (per year)	1.1 (1.02,1.2)	0.02	1.09 (1.01,1.17)	0.04	1.3 (1.1,1.5)	0.005	1.2 (1.03,2.1)	0.02
H1N1 vs. Seasonal	3.6 (1.3, 9.7)	0.02	3.0 (1.1,8.5)	0.04	6.3 (1.4,29)	0.02	ND	
Asthma	1.3 (0.5, 3.4)	0.63	ND		1.3 (0.3,6.0)	0.70	ND	
Hydroxyurea use	1.2 (0.5, 2.8)	0.64	ND		2.6 (1.05,6.5)	0.04	ND	
ACS in last year (per episode)	2.0 (0.93,4.3)	0.08	ND		3.3 (1.1, 10)	0.04	13 (2.1, 82)	0.006

OR indicates odds ratio; ICU, intensive care unit; ACS, acute chest syndrome; ND, no data (as the adjusted model for ACS only includes age and pandemic vs. seasonal influenza and the adjusted model for ICU admission only includes age and ACS in the last year).