

Table 2. Association between the number of IgE-reactive allergens, allergen-specific IgE levels and asthma-rhinitis phenotypes.

	≥1 positive specific IgE, %	Number of IgE-reactive allergen (≥0.3 ISU)*					Levels of allergen-specific IgE (among positive allergens) (ISU)			
		n	Median (25-75 percentiles)	p	Age and Sex adjusted Relative change** [95%CI]	p	n	Median (25 -75 percentiles)	p	
Asthma and rhinitis phenotypes, EGEA										
A-R-	33.1	252	0 (0 - 0)	Ref	1	Ref	58	1.3 (0.5 - 3.5)	Ref	
A+R-	61.3	93	1 (0 - 7)	<0.001	5.4 [3.9-7.6]	<0.001	57	3.2 (1.5 – 6.4)	0.003	
A-R+	64.8	125	2 (0 - 6)	<0.001	5.0 [3.7-6.8]	<0.001	81	5.7 (3.3 -10.5)	<0.001	
A+R+	87.6	370	7 (3 - 12)	<0.001	10.0 [7.8-12.8]	<0.001	324	5.5 (2.9 - 10.0)]	<0.001	
Asthma and rhinitis phenotypes, BAMSE										
A-R-	30.0	424	0 (0 - 1)	Ref	1	Ref	127	1.3 (0.6 – 3.2)	Ref	
A+R-	26.7	60	0 (0 - 1)	0.492	0.7 [0.4-1.1]	0.31	16	2.1 (0.9– 3.9)	0.403	
A-R+	75.1	189	3 (1 - 6)	<0.001	4.8 [3.8-6.2]	<0.001	142	8.6 (3.2 – 18.3)	<0.001	
A+R+	84.1	113	5 (2 - 8)	<0.001	7.2 [5.4-9.6]	<0.001	95	9.3 (3.3 – 14.0)	<0.001	
Asthma and rhinitis phenotypes according to age of asthma onset, EGEA										
A-R-	33.0	252	0 (0 - 0)	Ref	1	Ref	58	1.3 (0.5 - 3.5)	Ref	
Childhood-onset A+R-	73.9	46	5.0 (0 - 9)	<0.001	6.7 [4.4-10.1]	<0.001	34	4.1 (2.5 - 6.6)	<0.001	
Childhood onset A+R+	95.5	243	9 (6 - 13)	<0.001	10.7 [8.2-13.9]	<0.001	232	6.5 (3.4 11.1)	<0.001	
Adult-onset A+R-	50.0	40	0 (0 - 3)	<0.001	3.9 [2.4-6.3]	<0.001	20	1.7 (0.7 -4.3)	0.47	
Adult-onset A+R+	73.3	105	3 (0 - 7)	<0.001	7.9 [5.6-11.1]	<0.001	77	3.6 (1.8 - 6.2)	<0.001	

*Among the 64 respiratory allergen components selected (see table E1); **Relative change in the mean number of IgE-reactive allergens was calculated with negative binomial model