

**Table 1.** Description of the study population

	EGEA (n=840)	BAMSE (n=786)
Number of males (%)	424 (50.5 %)	391 (49.8)
Mean age ( $\pm$ sd)	40.7 ( $\pm$ 17.1)	16.7 ( $\pm$ 0.26)
Status at recruitment		NA
Asthma cases, n (%)	226 (26.9 %)	
First-degree relatives of cases, n (%)	448 (53.3 %)	
Controls, n (%)	166 (19.8 %)	
Asthma ever*, n (%)	463 (55.1 %)	173 (22.0%)
Current asthma**, n (%)	385 (45.8 %)	63 (8.2%)
Childhood onset asthma, n (%)	289 (35.6%)	173 (22.0%)
Allergic sensitization ***, n (%)	457 (61.2 %)	364 (46.3%)
Total IgE > 100 IU/ml, n (%)	387 (46.1 %)	NA
Allergic rhinitis ever¥, n (%)	495 (58.9 %)	302 (38.4%)
Allergic rhinitis in the past 12 months¥¥, n (%)	333 (40.2 %)	211 (27.6%)
Blood eosinophil counts > 250 mm <sup>3</sup> , n (%)	238 (28.5 %)	167 (21.2 %)
Atopic dermatitis ever, n (%)	310 (37.0 %)	325 (41.3%)
FEV <sub>1</sub> < 80% of predicted value, (%)	111 (13.5 %)	NA
Combined Asthma (ever) and allergic rhinitis (ever) phenotypes:		
No asthma and no rhinitis, n (%)	252 (30.0 %)	424 (53.9%)
Asthma but no rhinitis, n (%)	93 (11.1 %)	60 (7.6%)
No asthma but rhinitis, n (%)	125 (14.9 %)	189 (24.0%)
Asthma and rhinitis, n (%)	370 (44.0 %)	113 (14.4%)
Allergen immunotherapy, n (%)	213 (25.4 %)	NA

\* BAMSE: Fulfilled asthma definition at least one of the follow-ups at 1, 2, 4, 8, 12 or 16 years

\*\* EGEA: asthma attacks or asthma-related symptoms or asthma treatment in the past 12 months at EGEA2 - BAMSE: More than 3 episodes of wheeze in the last 12 months prior to the date of questionnaire 16 AND/OR at least 1 episode of wheeze in the last 12 months prior to the date of questionnaire 16, in combination with inhaled steroids occasionally or regularly

\*\*\* EGEA:  $\geq$ 1 positive SPT among the 11 allergen sources - BAMSE: specific IgE  $\geq$ 0.35kU/L to either fx5 and/or Phadioatop

¥ BAMSE: Fulfilled rhinitis definition at least one of the follow-ups at 1, 2, 4, 8, 12 or 16 years

¥¥ EGEA: Rhinitis ever and nose problems apart from cold in the past 12 months - BAMSE: Symptoms of sneezing, a runny or blocked nose, or itchy, red and watery eyes after exposure to furred pets or pollen (latest 12 months) AND/OR doctor's diagnosis of allergic rhinitis from the age of 12 up to the date of questionnaire 16