

Additional Table 4.b - Age-specific association of comorbidities with any vs. no asthma-related hospitalization/ED admission in the past year.

Any vs. no asthma-related hospitalization/ED admission in the past year		Current allergic rhinitis (yes vs. no) OR (95%-CI)	Current GERS (yes vs. no) OR (95%-CI)	AERD (yes vs. no) OR (95%-CI)
Age <55 years	Model 6			
	no	1.00	1.00	1.00
	yes	1.72 (0.81–3.67)	1.10 (0.55–2.20)	4.69 (2.18–10.10)
Age ≥55 years	Model 6			
	no	1.00	1.00	1.00
	yes	0.68 (0.19–2.46)	1.55 (0.60–3.97)	4.56 (1.66–12.54)
Model 7				
Interaction term age group (≥55 vs. <55)*comorbid condition		0.07	0.64	0.83

Odds ratio (OR) with 95% confidence interval (95%-CI) obtained from logistic regression models. *Model 6, adjusted for age group (18–29, 30–44, 45–64, ≥65), sex, educational attainment, smoking status, and BMI status, asthma duration; model 7, adjusted for age group (≥55 vs. <55), age, sex, educational attainment, smoking status, and BMI status, asthma duration plus age group (≥55 vs. <55)*current allergic rhinitis/current GERS/AERD. Gastroesophageal reflux disease-like symptoms (GERS), and acetylsalicylic acid exacerbated respiratory disease (AERD).