

Supplementary Table 1. ICD codes for COPD

	ICD-7	ICD-8	ICD-9	ICD-10
All COPD	501, 502	490-492	490-492, 496	J40-J44
COPD/emphysema, chronic bronchitis	502	491, 492	491, 492, 496	J41-J44
Unspecified bronchitis	501	490	490	J40

Supplementary Table 2. SIR of COPD in adoptees with exclusion of alpha₁-antitrypsin (AAT) deficiency (ICD-9 = 277G and ICD-10 = E88.0)

	Men			Women			All		
	O	SIR	95% CI	O	SIR	95% CI	O	SIR	95% CI
By affected biological parents									
COPD	110	1.65	1.36 1.99	170	2.00	1.71 2.32	280	1.84	1.63 2.07
By affected adoptive parents									
COPD	96	1.24	1.00 1.51	134	1.33	1.12 1.58	230	1.29	1.13 1.47

Bold type: 95% CI does not include 1.00.

O = observed number of cases; SIR = standardized incidence ratio; CI = confidence interval

SIRs are adjusted for sex (not sex-specific SIRs), age, time period, geographic region of residence, and educational level.

SIRs for males are calculated only for males with and without family history, and SIRs for females are calculated only for females with and without family history.