

eTable 1. Details of GWAS Summary Data Sources

Diseases	Abbreviations	PMID	Year	N_cases	N_total	Ancestry	h²(se)^a	Intercept (se)^a
Asthma	AST	36777996	2022	121940	1376071	EUR	0.0251 (0.0014)	1.0921 (0.0128)
Chronic obstructive pulmonary disease	COPD	36777996	2022	58559	995917	EUR	0.0184 (0.0010)	1.0167 (0.0084)
Idiopathic Pulmonary Fibrosis	IPF	36777996	2022	6257	953873	EUR	0.0030 (0.0006)	0.9981 (0.0071)
Lung Cancer	LC	28604730	2017	29266	85716	EUR	0.0834 (0.0124)	1.0459 (0.0082)
Snoring	SNO	32060260	2020	152302	408317	EUR	0.0608 (0.0024)	1.0284 (0.0088)

Abbreviations: PMID, PubMed unique identifier; EUR, European; h², heritability; se, standard error.

^a The heritability and intercept were estimated by univariate LDSC using single-trait GWAS summary statistics.