

**Table S14. Genomewide  $h_g^2$  and  $h_{gLD}^2$  of liability for all case-control traits.**

Phenotype	Genotyped		Genotyped & imputed	
	$h_g^2$ total (se)	$h_{gLD}^2$ total (se)	$h_g^2$ total (se)	$h_{gLD}^2$ total (se)
BD	0.26 (0.032)	0.27 (0.047)	0.19 (0.028)	0.27 (0.063)
CAD	0.30 (0.058)	0.31 (0.085)	0.20 (0.048)	0.32 (0.112)
CD	0.18 (0.024)	0.20 (0.036)	0.10 (0.021)	0.25 (0.047)
HT	0.60 (0.089)	0.82 (0.131)	0.36 (0.079)	0.88 (0.172)
RA	0.11 (0.031)	0.17 (0.047)	0.04 (0.026)	0.15 (0.061)
T1D	0.13 (0.030)	0.16 (0.045)	0.08 (0.026)	0.14 (0.059)
T2D	0.36 (0.066)	0.55 (0.097)	0.28 (0.055)	0.59 (0.127)
UC	0.17 (0.017)	0.25 (0.028)	-	-
MS	0.19 (0.009)	0.26 (0.014)	-	-