

Description of Additional Supplementary Information

File Name: Supplementary Data 1

Description: Table containing 3,025 PGS Catalog models matched with FinnGen endpoints, their corresponding PGS Catalog reported trait and description of FinnGen endpoint.

File Name: Supplementary Data 2

Description: Table containing unadjusted ROC AUC values for the 157 best-performing PGSs from the PGS Catalog.

File Name: Supplementary Data 3

Description: ROC AUC values for raw and ancestry-adjusted scores for 740 PGSs evaluated in European cohorts (Finnish and Non-Finnish Europeans).

File Name: Supplementary Data 4

Description: Variance explained on the liability scale for the 157 best-performing PGSs from the PGS Catalog.

File Name: Supplementary Data 5

Description: Additional quality metrics for 779 evaluated PGSs.

File Name: Supplementary Data 6

Description: ICD-10-based endpoint groups curated by the FinnGen team.

File Name: Supplementary Data 7

Description: ROC AUC values for three types of elastic-net logistic regression models evaluated across 110 disease endpoints.

File Name: Supplementary Data 8

Description: Time-dependent ROC AUC values for three types of Cox proportional hazards models with an elastic-net penalty, evaluated across 110 disease endpoints.

File Name: Supplementary Data 9

Description: Feature weights from multi-PGS logistic regression models with an elastic-net penalty for 110 disease endpoints.

File Name: Supplementary Data 10

Description: Feature weights from multi-PGS Cox proportional hazards models with an elastic-net penalty for 110 disease endpoints.

File Name: Supplementary Data 11

Description: Pearson correlation coefficients between principal components and each of the 3,168 PGSs.

File Name: Supplementary Data 12

Description: Cohort identifiers from the PGS Catalog considered to have sample overlap with FinnGen.

File Name: Supplementary Data 13

Description: FinnGen Consortium authors and affiliations.