Resource Summary Report

Generated by NIF on May 25, 2025

PheWAS Catalog

RRID:SCR_003562
Type: Tool

Proper Citation

PheWAS Catalog (RRID:SCR_003562)

Resource Information

URL: http://phewas.mc.vanderbilt.edu/

Proper Citation: PheWAS Catalog (RRID:SCR_003562)

Description: Catalog of phenome-wide association study (PheWAS) results for 3,144 single-nucleotide polymorphisms (SNPs) present in the NHGRI GWAS Catalog as of 4/17/2012 in 13,835 European-ancestry individuals from five sites of the Electronic Medical Records and Genomics (eMERGE) network. A total of 1,358 EMR-derived phenotypes were analyzed for each SNP. This PheWAS replicated 66% (51/77) of sufficiently powered prior GWAS associations, and 210/751 of all prior GWAS associations. They also identified 63 potentially pleiotropic associations with p

Abbreviations: PheWAS Catalog

Synonyms: Phenome-wide association studies Catalog

Resource Type: data set, data or information resource

Defining Citation: PMID:24270849

Keywords: phenome-wide association study, phenotype, single-nucleotide polymorphism

Funding:

Availability: Acknowledgement requested

Resource Name: PheWAS Catalog

Resource ID: SCR_003562

Alternate IDs: nlx_157697

Record Creation Time: 20220129T080219+0000

Record Last Update: 20250525T032653+0000

Ratings and Alerts

No rating or validation information has been found for PheWAS Catalog.

No alerts have been found for PheWAS Catalog.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Mosley JD, et al. (2024) Clinical associations with a polygenic predisposition to benign lower white blood cell counts. Nature communications, 15(1), 3384.

Mosley JD, et al. (2023) Clinical consequences of a polygenic predisposition to benign lower white blood cell counts: Consequences of benign WBC count genetics. medRxiv : the preprint server for health sciences.

Vaitinadin NS, et al. (2023) Genetic susceptibility for autoimmune diseases and white blood cell count. Scientific reports, 13(1), 5852.

Pandey AK, et al. (2022) Expression of CD70 Modulates Nitric Oxide and Redox Status in Endothelial Cells. Arteriosclerosis, thrombosis, and vascular biology, 42(9), 1169.

Bagheri M, et al. (2021) The genetic architecture of plasma kynurenine includes cardiometabolic disease mechanisms associated with the SH2B3 gene. Scientific reports, 11(1), 15652.

Mosley JD, et al. (2020) The polygenic architecture of left ventricular mass mirrors the clinical epidemiology. Scientific reports, 10(1), 7561.

Mosley JD, et al. (2016) Identifying genetically driven clinical phenotypes using linear mixed models. Nature communications, 7, 11433.