## **Published EWAS**

PubMed search, identifying more than 6000 studies

Manually assess studies that meet the inclusion criteria (Methods)

A total of 218 studies included

Extract associations (betas, SEs and P values), along with study characteristics

582,801 associations from 218 studies uploaded to The EWAS Catalog

## **New EWAS**

387 phenotypes from ARIES (N = 940)

41 phenotypes from GEO (N ≥ 100)

geograbi package

Pre-processing of phenotypes

EWAS of 428 phenotypes using the ewaff package

Extract associations (betas, SEs and P values), along with study characteristics

392,773 associations at P<1x10<sup>-4</sup> from 428 EWAS uploaded to The EWAS Catalog