Dataset: Women's Health Initiative

Participants of European ancestry with imputed genotypes (n = 14860)

1. Genome-wide interaction studies for dietary fat

Each of 6 CRFs

Participants from the HT trial, CaD trial, and Observational Study

(n per CRF from 7050 to 9412, ~12M variants)

2. Develop dietary fat response scores

Pruning-and-thresholding method using GWIS summary statistics

Use nominal main-effect SNPs from existing GWAS (# variants per CRF from 139874 to 641922)

3. Test dietary fat response scores with respect to oneyear CRF changes

Participants from the Dietary Modification trial intervention group
(n per CRF from 145 to 2004)

4. Test dietary fat response score for LDL-C with respect to clinical outcomes

Participants from the Dietary Modification trial intervention and control groups (n = 5446)