

Dataset: Women's Health Initiative

Participants of European ancestry with imputed genotypes
(N = 17304)

1. Genome-wide interaction studies of dietary fat influencing each of six CRFs

Participants from the HT trial, CaD trial, and
Observational Study with baseline FFQ and CRF
measurements

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

2. Develop dietary fat response scores

Pruning-and-thresholding approach using GWIS
summary statistics for nominal main-effect variants
(Number of variants per CRF from 1536 to 6042)

3. Test all dietary fat response scores with respect to one-year CRF changes

Participants from the Dietary Modification trial
intervention group with follow-up CRF measurements
(Sample size per CRF from 145 to 2004)

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

Participants from the Dietary Modification trial
intervention and control groups over ~22 years
of follow-up
(N = 5446)