

Enrollment

First year university students invited to take part
(N = 22 000)

Eight hundred consent (Response rate: 3.6%).

Randomized (N= 800)

Allocation

Allocated to receive genetic test feedback and advice (n=400)

♦ Expected genotype frequencies:
higher-risk= 252, non-risk=148

♦ Asked to complete questionnaire to assess psychological reactions immediately after receiving test feedback

Allocated to receive Advice only (n=400)

♦ Expected genotype frequencies:
higher-risk= 252, non-risk=148

♦ Informed they will receive results in 8 months

Follow-up 1 (One month)

♦ Questionnaire assessing motivation to prevent weight gain (primary outcome)

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Follow-up 2 (Eight months)

♦ Re-weigh
♦ Debrief, reimbursement

♦ Re-weigh,
♦ Provide genetic test feedback
♦ Questionnaire to assess psychological reactions immediately after receiving feedback
♦ Debrief, reimbursement