

Phenotyping Genetic Risk for Type 2 Diabetes

NCT04024631

Status	RECRUITING
Phase	Not Applicable
Sponsor	University of Pennsylvania
Enrollment	100 participants

Plain Language Summary

This study is examining how genetic risk factors translate into physical differences in metabolism — specifically glucose and insulin responses — in people at elevated genetic risk for type 2 diabetes. The goal is to identify who is at highest risk before they develop the disease.

****You may be eligible if...****

- You are between 10 and 70 years old
- You previously participated in the UPenn Biobank or Center for Applied Genomics Biobank and agreed to be re-contacted
- Adults must have a BMI of 25 or higher; children and adolescents must have a BMI at or above the 85th percentile

****You may NOT be eligible if...****

- You already have a diagnosis of type 1, type 2, or any other form of diabetes
- You take medications that affect blood sugar (such as metformin, steroids, or other diabetes drugs)
- You are pregnant
- You have anemia, gastrointestinal problems affecting absorption, or another serious medical condition
- You recently received chemotherapy

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (3)

- Age 10-70 years
- Prior participant of the UPenn Biobank or Center for Applied Genomics Biobank and agreed to be recontacted for future research.
- Adults with BMI 25kg/m² or higher, children and adolescents with BMI 85th percentile or higher

Exclusion (10)

- prior diagnosis of type 1, type 2, or secondary diabetes
- use of medications that would impact glucose and insulin response such as steroids, metformin or other anti-diabetic medication
- acute illness that may impact insulin and glucose dynamics
- pregnancy
- hypothalamic obesity or related genetic disorder of metabolism

... and 5 more (see full listing online)

Locations (2 total)

Childrens Hospital of Philadelphia, Philadelphia, Pennsylvania, United States
University of Pennsylvania, Philadelphia, Pennsylvania, United States

<https://clinicaltrials.gov/study/NCT04024631>

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