

Comprehensive 4-AAb Testing Available Through Research Programs

At-risk populations



<https://www.trialnet.org/>

International research team screening relatives of individuals with T1D¹

- 2–45 years with a 1st-degree relative with T1D (*parent, sibling, or child*)
- 2–20 years with a 2nd-degree relative with T1D (*aunt/uncle, cousin, grandparent, niece/nephew, or half-sibling*)
- 2–45 years positive for ≥ 1 T1D-related autoantibody



Islet autoantibodies screened for:³
GADA, ICA, IA-2A, IAA, ZnT8A

Methods: In home test kits or lab test kit

General population



CanScreen T1D
DépisterCan DT1

<https://canscreent1d.ca/>

Research consortium creating Canada's first T1D screening program^{2,4}

- Research projects to address:²
 - Acceptability
 - Feasibility
 - Follow-up and monitoring

Findings will inform development of a pilot T1D screening program³

- Program aims to identify newborns and children at risk of developing T1D⁴

Note: Not accepting patients yet.

GADA: glutamic acid decarboxylase autoantibody; IA-2A: insulinoma antigen-2 autoantibody; IAA: insulin autoantibody; ICA: islet cell autoantibody; ZnT8A: zinc transporter type 8 autoantibody.

1. TrialNet. Pathway to Prevention Study Details. Available at: <https://www.trialnet.org/our-research/risk-screening>; 2. CanScreen T1D. Our research. Available at: <https://canscreent1d.ca/our-research/>; 3. TrialNet. FAQs. What autoantibodies do you test for? Available at: <https://www.trialnet.org/frequently-asked-questions>; 4. CanScreen T1D. Pilot Screening Program. Available at: <https://canscreent1d.ca/pilot-screening-program/>; 5. Greenbaum CJ. *Diabetes*. 2021;70(5):1029-1037; 6. Sims EK, et al. *Diabetes*. 2022;71(4):610-623.

UncoverT1D Early Detection Program

- *Unmet Need: Access to comprehensive 4-autoantibody (AAb) testing in Canada*



Sanofi-sponsored program, testing by Revvity Omics (lab based in US)

- No-cost testing of 4-AAbs: GAD65, IA2, IAA, ZnT8
- This program is sponsored to **temporarily** address unmet testing needs in the Canadian aT1D early detection space
- Details will be available through www.UncoverT1D.ca for HCPs
- Will direct to Revvity website:
<https://www.revvity.com/ca-en/category/autoimmune-type-1-diabetes-early-detection-program>

Who to screen through UncoverT1D Early Detection Program?

- **First-degree and second-degree** relatives of someone with aT1D
- Patients with a **personal or family history of autoimmune** conditions
- Patients who may have been **diagnosed with pre-diabetes**, but their clinical features or response to treatment could suggest autoimmune T1D
- General population, especially children, to help identify people with presymptomatic T1D with no family history