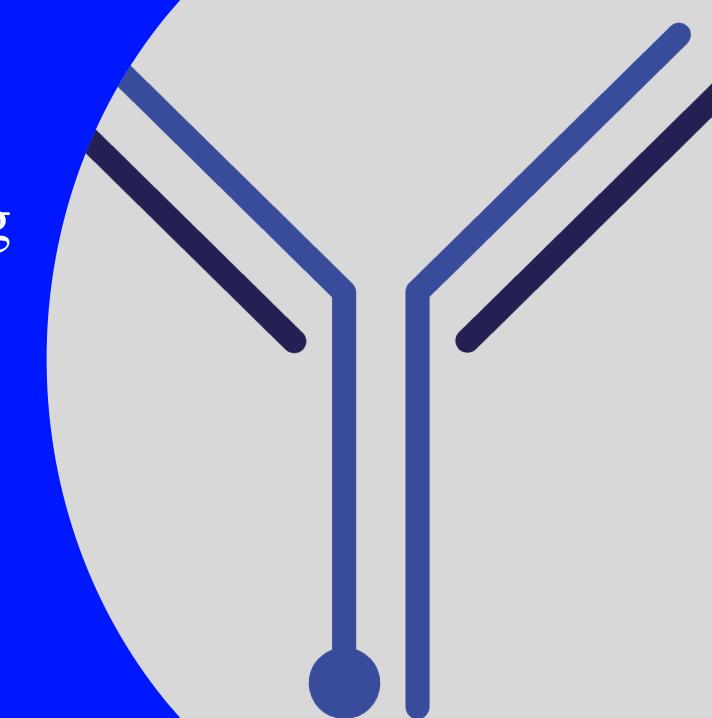
The emerging consensus for population screening to detect early-stage type 1 diabetes

Chair: Anastasia Albanese-O'Neill, PhD





Conflicts of interest

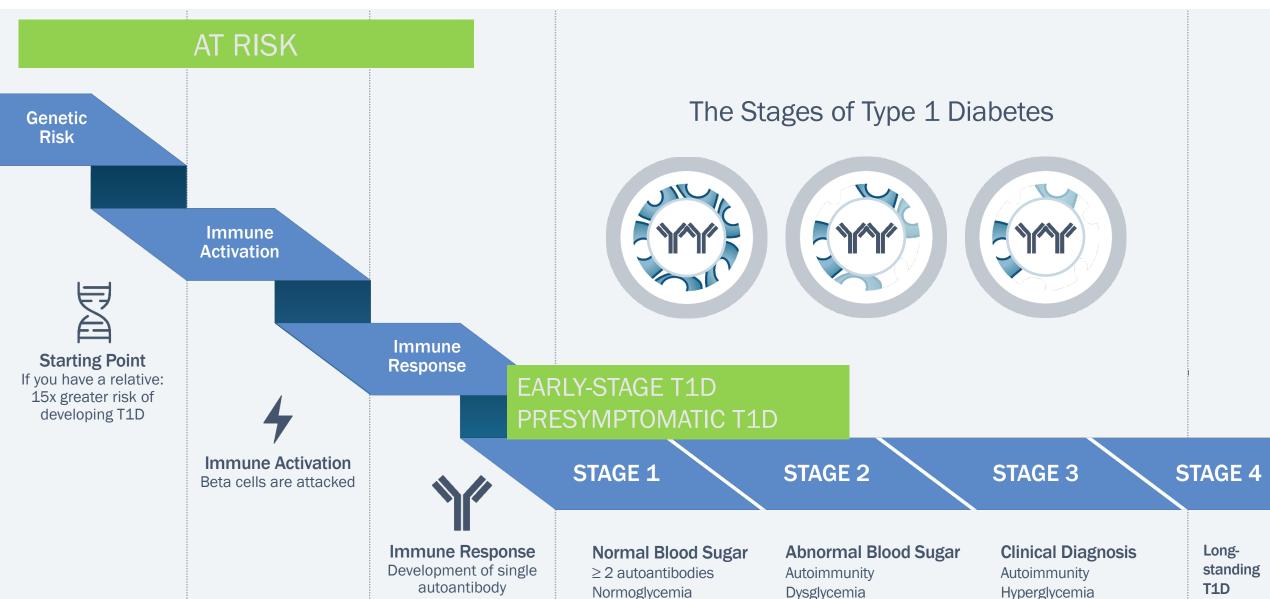
Breakthrough T1D received unrestricted grant support from Sanofi.



T1D Disease Progression



Usually symptoms



No symptoms

No symptoms

A powerful evidentiary base for population screening





Two or more persistent autoantibodies are a "near certain predictor of clinical diabetes."

Lifetime risk approaches 100%.

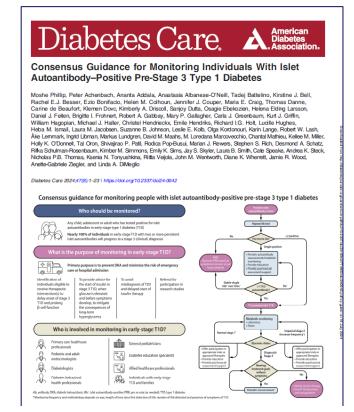
Australian Type 1 Diabetes
National Screening Pilot Australia

Type1Screen Australia



Demonstrated demand for guidance in early stage T1D

- International consensus monitoring guidance for early stage T1D was published in Diabetologia and Diabetes Care in June 2024
- Representation from 4 continents and endorsed by leading diabetes societies
- Accessed >35,000 times at Diabetologia and Diabetes Care.





"This article is in the 99th percentile ... of the 337,295 tracked articles of a similar age in all journals and the 98th percentile (ranked 1st) of the 62 tracked articles of a similar age in *Diabetologia*. (as of September 13, 2025)

Article Metrics | Consensus guidance for monitoring individuals with islet autoantibody-positive pre-stage 3 type 1 diabetes | Diabetologia

An urgent need for consensus screening guidance



- Global incidence of T1D is rising
- The global burden of DKA remains unacceptably high
- Screening and monitoring have been shown to mitigate DKA at a stage 3 diagnosis



- ➤ Universal screening was legislated in Italy for all children ages 1 to 17 years in 2023
- The American Diabetes Association recommends screening for family members of all ages



Thank you to the working group members

Peter Achenbach Anastasia Albanese-O'Neill Kirstine Bell Rachel Besser Ezio Bonifacio Emanuele Bosi Linda DiMeglio Sanjoy Dutta Brigitte Frohnert **Kurt Griffin** William Hagopian Laura Jacobsen Karin Lange Helena Larsson Roberto Mallone

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Zdenek Sumnik

Agnieszka Szypowska

Riitta Veijola

Jurgen Vercauteren

John Wentworth

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Anette Ziegler



Process and methodology



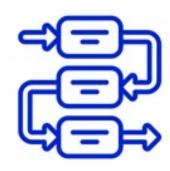
Kick Off Meeting



Methodology: Nominal Group Technique



Subgroup formation and meetings



Iterative drafts



Final vote



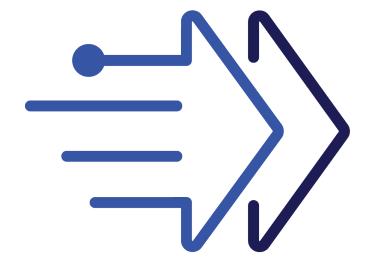
Next steps and timeline



Peer Review with EASD and ADA



Public comment and endorsement from global diabetes societies and organizations



Implementation and research to fill the evidentiary gaps

