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## **Type 1 Diabetes and Celiac Disease screening in the Pediatric Population**

IDF Europe TEAM meeting and Regional Council  
AGENDA | 12-13 October 2024

# Type 1 Diabetes and Celiac Disease screening

Law No.130/2023 for Diagnostic Program for Type 1 Diabetes and Celiac Disease screening in the Pediatric Population

Italy is the first Country in the World that established a screening program for Type 1 Diabetes and Celiac Disease, thanks to **Law No. 130/September 2023** on **"Provisions Concerning the Establishment of a Diagnostic Program for the Detection of Type 1 Diabetes and Celiac Disease in the Pediatric Population"**.

The main goal is to identify, in the healthy Pediatric population, **people at risk of developing one or both disease to offer early treatments.**



# Type 1 diabetes | FeSDI effort to promote the Law

Law No.130/2023 for Diagnostic Program for Type 1 Diabetes and Celiac Disease screening in the Pediatric Population

FeSDI hardly sustained the implementation of the law addressing to the Institutions its diabetologist availability for the most efficient development of the screening.

The **“Propedeutical Project for the Implementation of a National Screening Program in the Pediatric Population for Type 1 Diabetes and Celiac Disease (D1Ce Screen)”** aims to assess sustainability by the NHS, potential cost-benefit and organizational issues for the national screening implementation.

The pilot study coordinated by **Istituto Superiore di Sanità** involved 4 Italian and screened about 5,000 children.

\* Enrolment status from D1Ce Platform at 09/25/2024



# Type 1 Diabetes and Celiac Disease screening

Law No.130/2023 for Diagnostic Program for Type 1 Diabetes and Celiac Disease screening in the Pediatric Population

Propedeutical project coordinated by the Istituto Superiore di Sanità



## Four Italian regions

Lombardy, Marche, Campania and Sardinia



## Pediatric population

Children of two, six and ten years old



## Analysis of blood sample

(anti-GAD; anti-IA2; anti-ZnT8; anti-IA) and Celiac disease



## Test the predisposition

to one or both disease in the patient

## NEXT STEP



## Implementation of the national

screening to all the Italian regions

\* Enrolment status from D1Ce Platform at 09/25/2024



# Type 1 Diabetes and Celiac Disease screening

## Preliminary results

Thanks to the **synergy** established with **Pediatricians** the pivotal phase of the screening gave **preliminary results:**

At the end of **July 2024**

- **0.8% positivity** to auto-antibodies for **Type 1 diabetes** and **2.9%** positivity for Celiac Disease

These preliminary data confirm the **relevance of early diagnosis** for the two chronic disease of high importance during the age of development.



THANK YOU FOR YOUR ATTENTION!