

## **Supplementary material**

Supplement to:

Helminen O, Pokka T, Aspholm S et al. First-Emerging Islet Autoantibody and Glucose Metabolism – Search for Type 1 Diabetes Subtypes

Contents:

This Supplementary material presents Kaplan-Meier survival curves of time from seroconversion to detection of different dysglycemia criteria separately from the whole cohort and children eventually progressing to type 1 diabetes (Supplementary Figure 1 and 2). Supplementary Table 1 is also provided including overlap of different dysglycemia criteria.

Supplementary Figures 1 and 2. Supplementary Table 1

Supplementary Table 1: Table presenting the overlap of different dysglycemia criteria.

A=10% increase in HbA1c during a 3-12-month interval

B=Two consecutive HbA1c values  $\geq 5.9\%$  (41 mmol/mol)

C=IFG or IGT

D=Random plasma glucose value  $\geq 7.8$  mmol/l

	Study participants N=524 n (%)	Progressors N=197 n (%)	Non-progressors N=327 n (%)
<b>None</b>	260 (49.6)	69 (35.0)	191 (58.4)
<b><i>Single dysglycemia criterion:</i></b>			
A	103 (19.7)	20 (10.2)	83 (25.4)
B	15 (2.9)	5 (2.5)	10 (3.1)
C	18 (3.4)	9 (4.6)	9 (2.8)
D	24 (4.6)	18 (9.1)	6 (1.8)
<b><i>Two dysglycemia criteria:</i></b>			
A+B	32 (6.1)	22 (11.2)	10 (3.1)
A+C	14 (2.7)	10 (5.1)	4 (1.2)
A+D	8 (1.5)	5 (2.5)	3 (0.9)
B+C	9 (1.7)	5 (2.5)	4 (1.2)
B+D	3 (0.6)	2 (1.0)	1 (0.3)
C+D	5 (1.0)	3 (1.5)	2 (0.6)
<b><i>Three dysglycemia criteria:</i></b>			
A+B+C	13 (2.5)	11 (5.6)	2 (0.6)
A+B+D	11 (2.1)	10 (5.1)	1 (0.3)
A+C+D	4 (0.8)	3 (1.5)	1 (0.3)
B+C+D	1 (0.2)	1 (0.5)	0 (0.0)
<b><i>Four dysglycemia criteria:</i></b>			
A+B+C+D	4 (0.8)	4 (2.0)	0 (0.0)