

# Rethinking Type 1 Diabetes Care



## Panelists

### **SONIA SIDHU**

Member of Parliament,  
Brampton South  
Chair of the All-Party  
Diabetes Caucus in the  
Parliament

### **DR. BRUCE PERKINS**

Endocrinologist and Director,  
Leadership Sinai Centre for  
Diabetes, University of  
Toronto

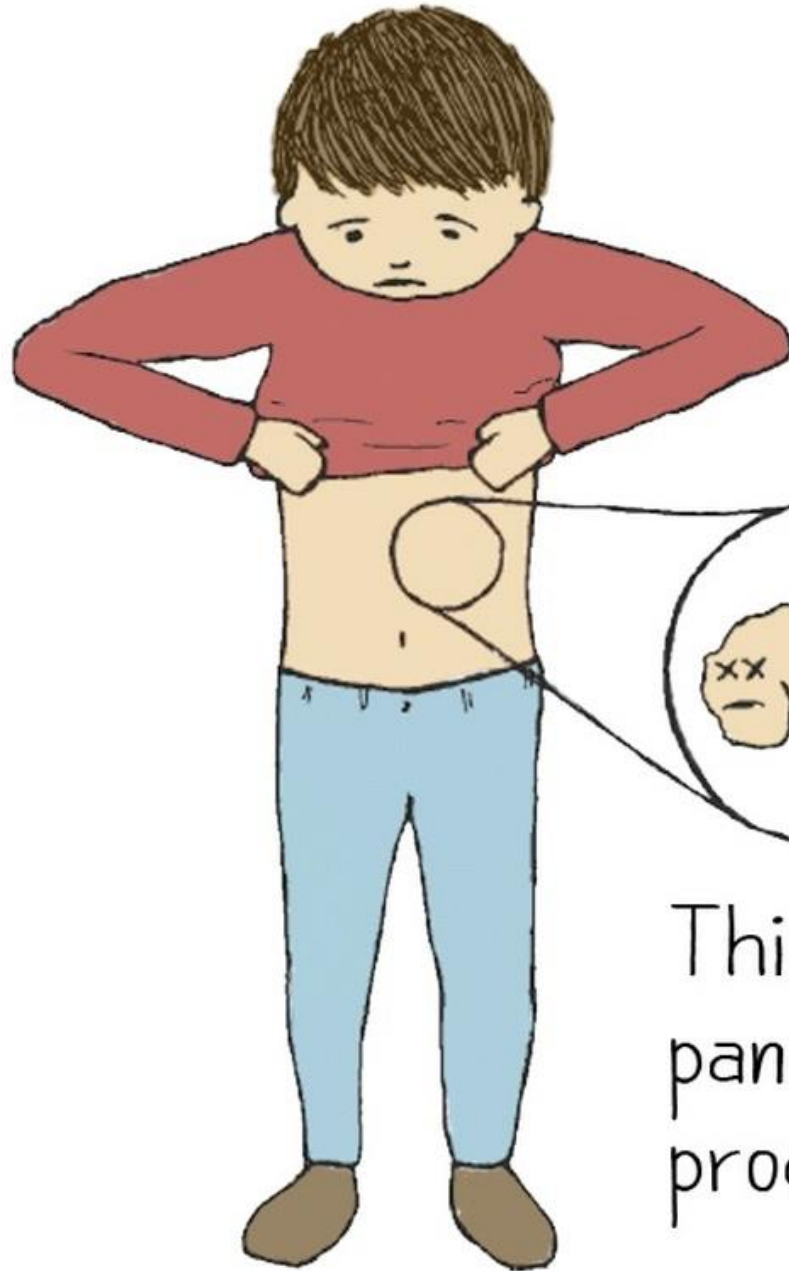
### **JENNIFER BIZZARRI**

Individual living with T1D  
and Board Member, JDRF

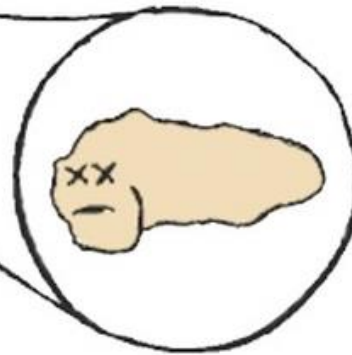
## Moderator

### **LARA GREEN**

National Manager,  
Research and Training  
Programs at JDRF  
Canada



Some people have  
type 1 diabetes.



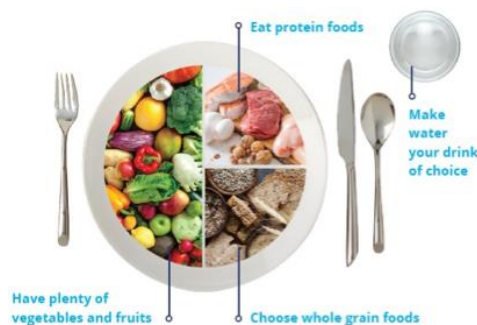
This means their  
pancreas doesn't  
produce insulin.



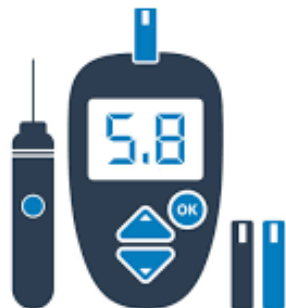


# A Simplified View of Management Tasks for Type 1 Diabetes

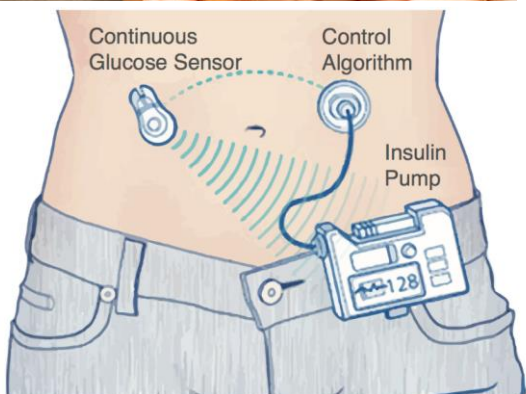
## Healthy Lifestyle Behaviour



## Glucose Monitoring



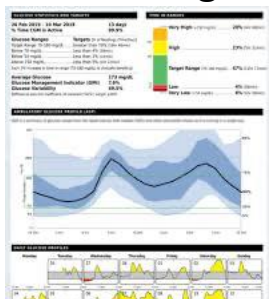
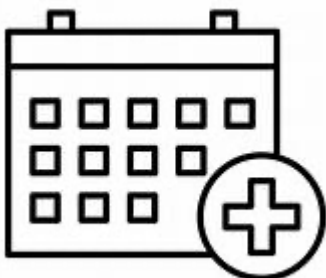
## Intensive Insulin Therapy



## Management of Hypoglycemia and Hyperglycemia/Ketones

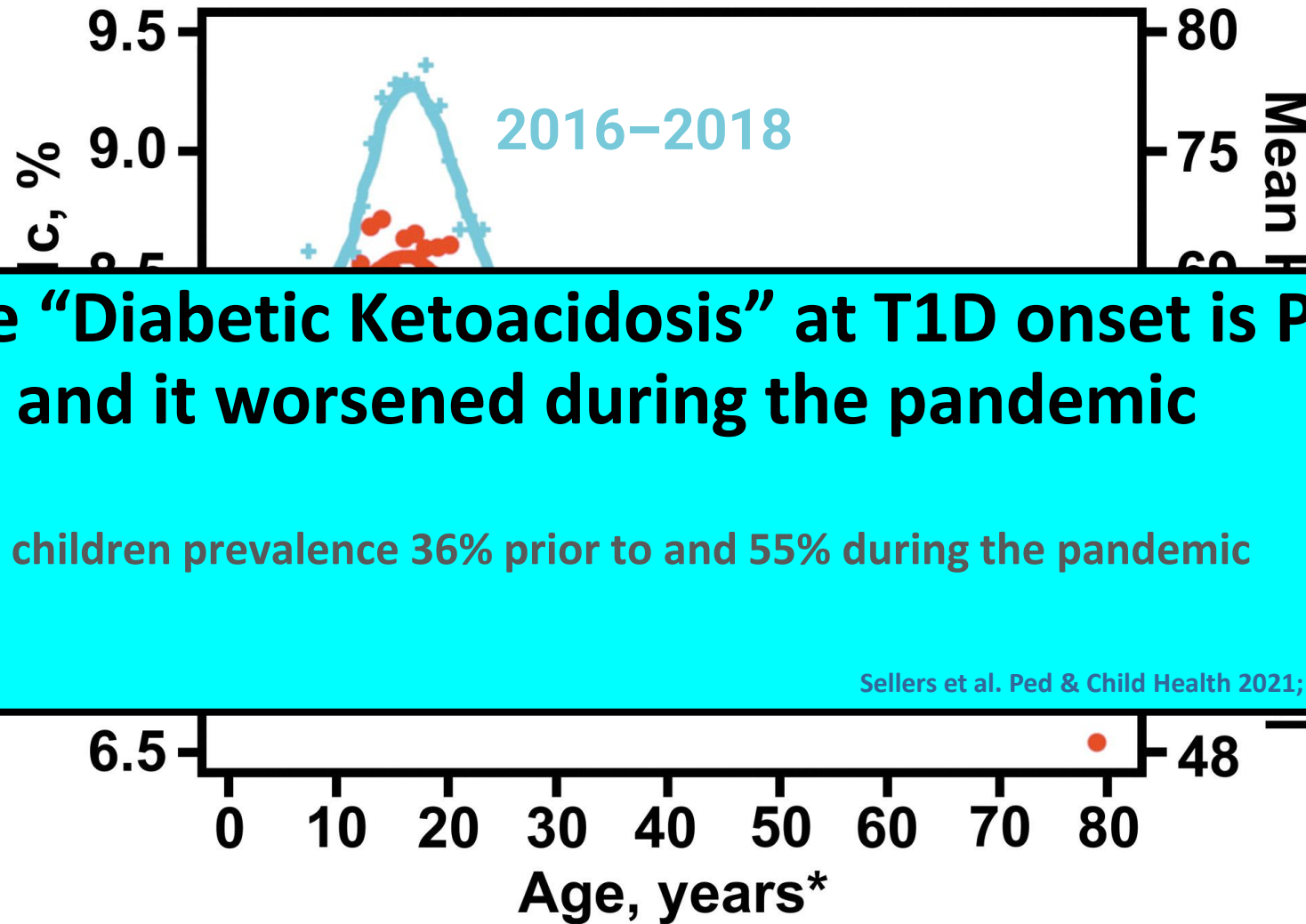


## Multiprofessional Care Team Visits, Laboratory Visits, and Complications Screening Visits

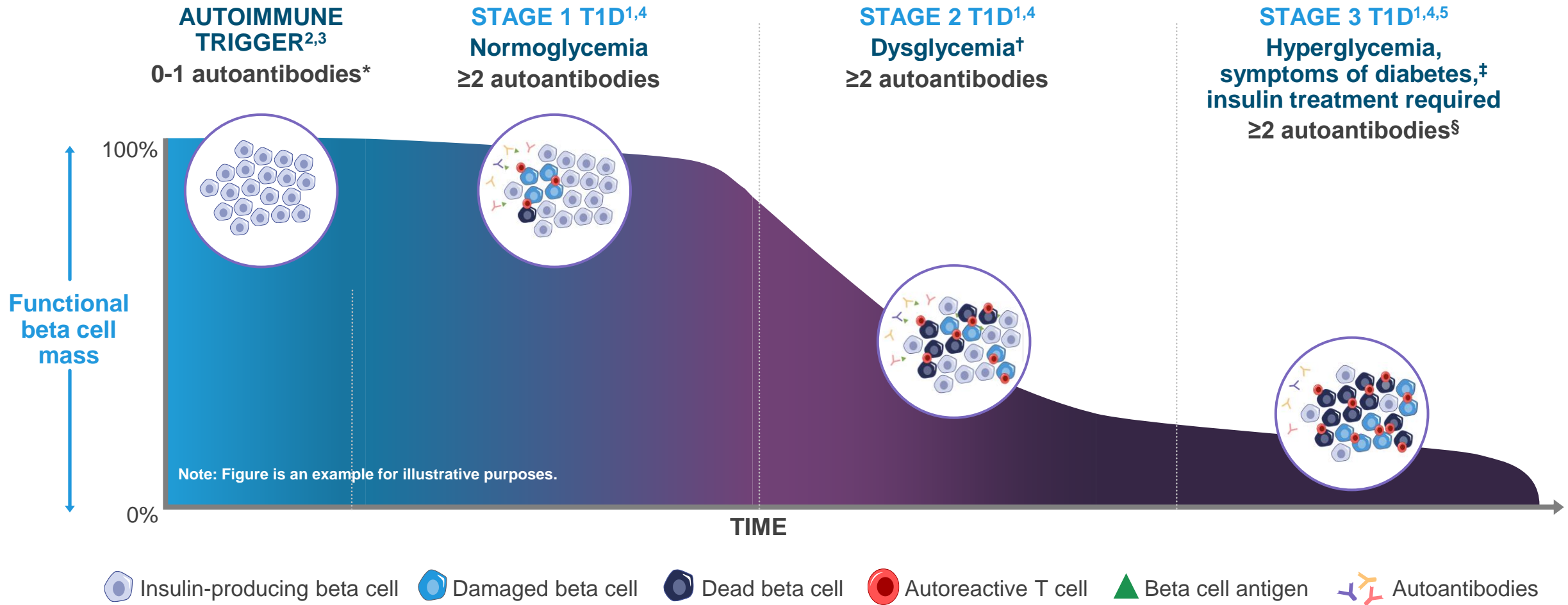


# CURRENT STATE OF AFFAIRS IN THE U.S. AND CANADA

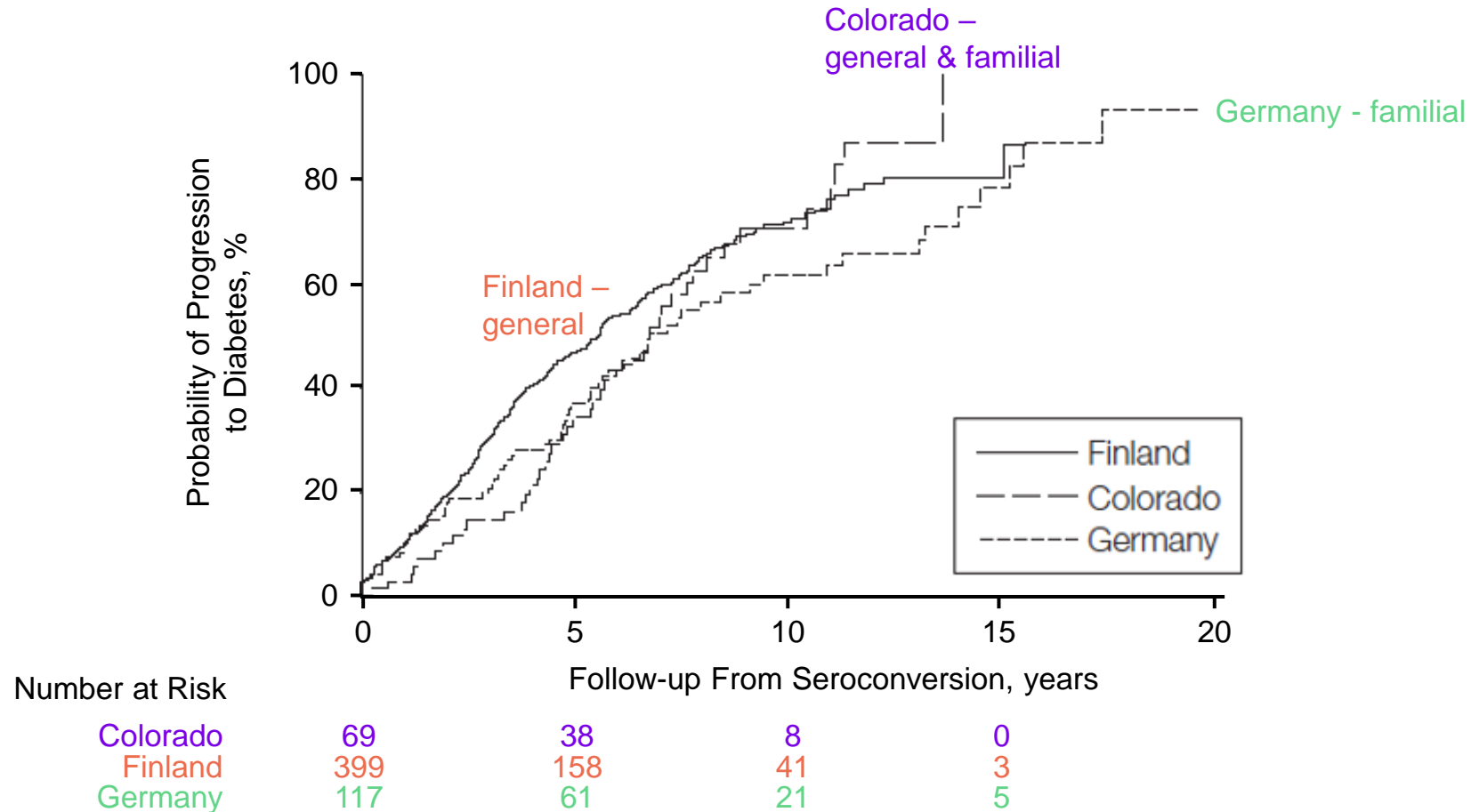
Relationship of HbA1c (a measure of average blood sugar levels) with Age



# T1D Progresses in 3 Stages: Allows the possibility of PREDICTION

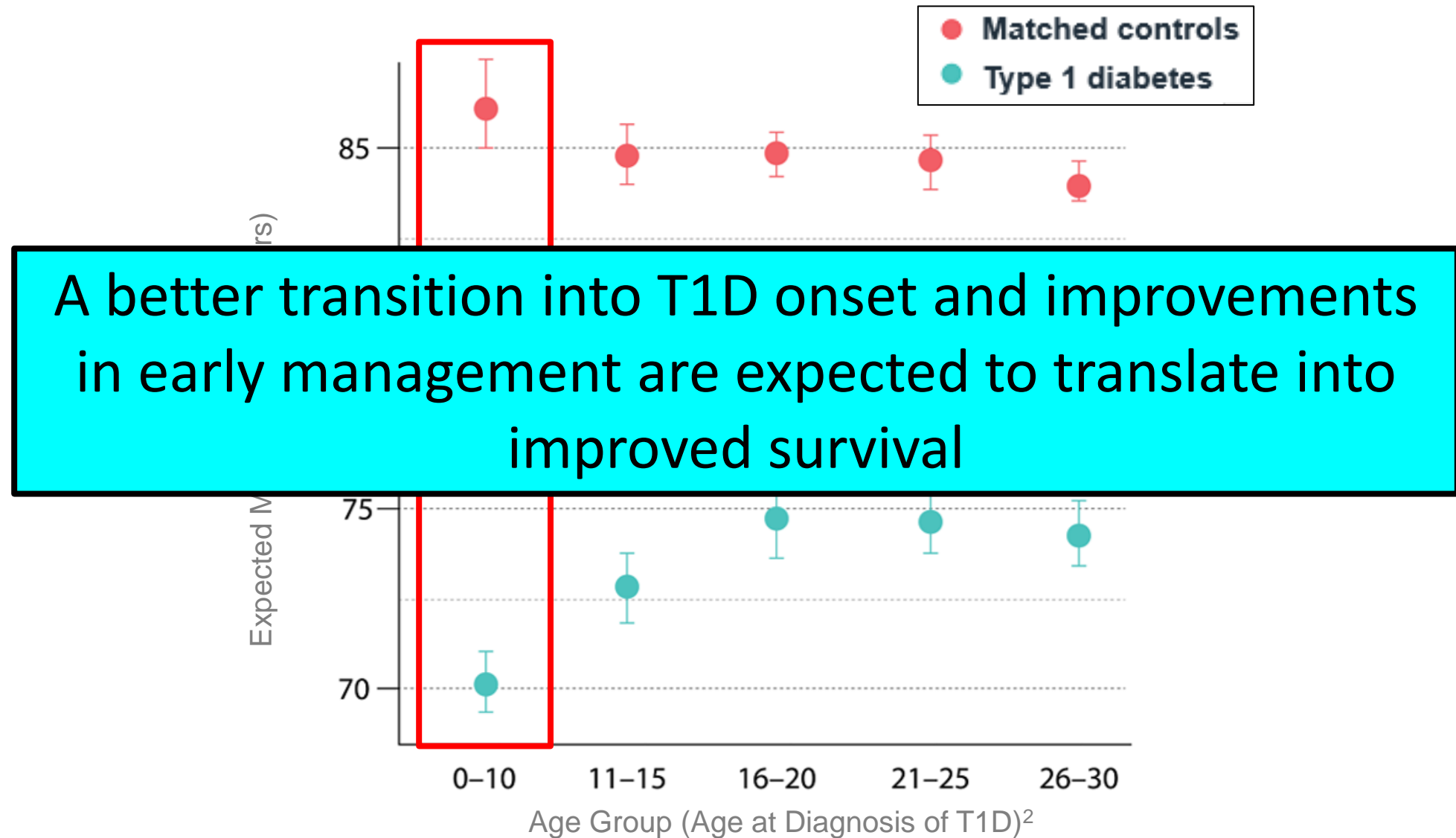


# With $\geq 2$ T1D Autoantibodies, Progression to Stage 3 Clinical T1D is Almost Certain (regardless of family history)



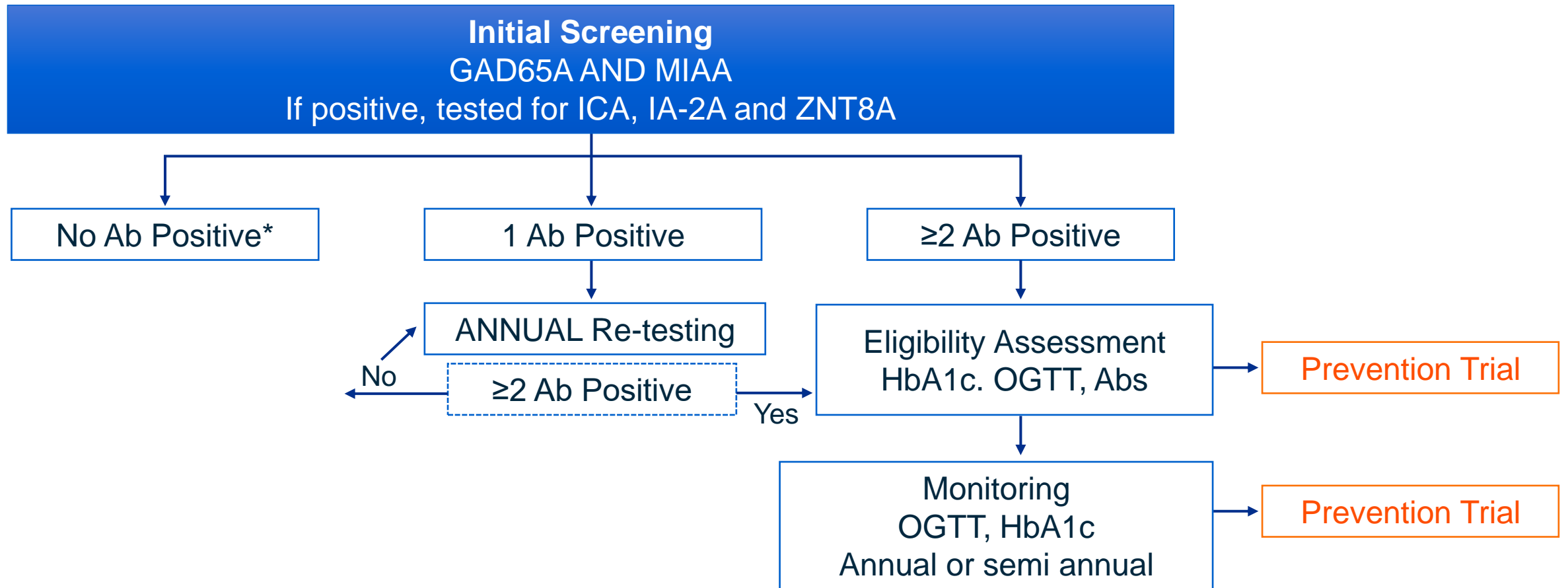
Ziegler AG, et al. *JAMA*. 2013;309(23):2473-9.

# T1D Diagnosis in Childhood has a Negative Survival Impact





# The TRIALNET Pathway to Prevention Study Process



# The Screening Test Options

**General Population**

**vs.**

**Those with Family History T1D or autoimmune conditions (like celiac disease or hypothyroidism)**

**[ Genetic Risk Score (GRS) ]**

**Antibody Levels (GAD, ICA, IA-2, ZnT8, IAA)**

**Measures of Glucose Level (Home fingerstick testing, OGTT, A1c, FBS, CGM)**





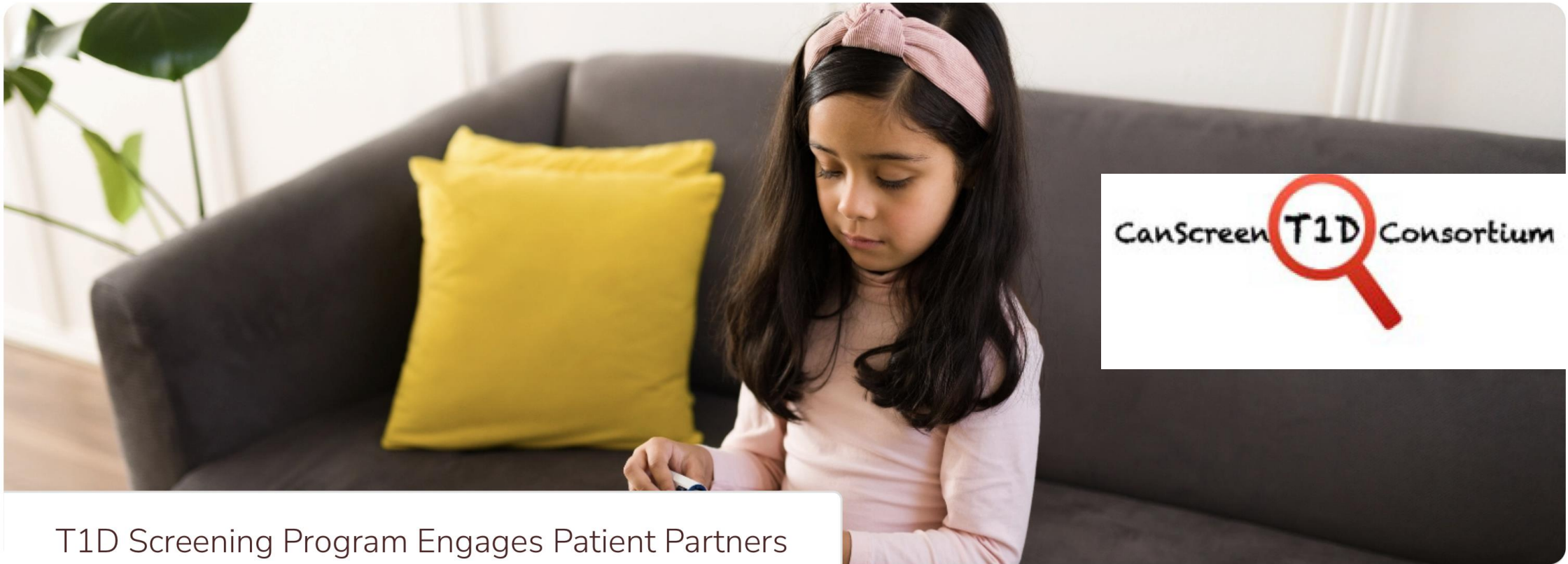
## What is TrialNet?

TrialNet is an international network of leading academic institutions, endocrinologists, physicians, scientists and healthcare teams at the forefront of type 1 diabetes (T1D) research. They offer risk screening for relatives of people with T1D and innovative clinical studies testing ways to slow down and prevent disease progression.

### Who is eligible?

This screening kit is available to family members of individuals with T1D

- Immediate relatives (parents, siblings, children) of someone with T1D, age 2.5-45
- Other relatives (grandchildren, nieces/nephews, cousins) of someone with T1D, age 2.5-20
- To sign up for a screening kit:  
<https://www.diabetestrialnet.org/webapp/PreRegTracking/OnlineScreening.aspx>
- You will be given an at-home test-kit that can be done with a finger stick or go to a local lab for a blood draw
- The kit is available anywhere in Canada at zero cost to participants



## T1D Screening Program Engages Patient Partners

By kristalamb   Posted date: September 26, 2023

CanScreenT1D is a new project led by Diabetes Action Canada collaborator, Dr. Diane Wherrett, who is a Pediatric Endocrinologist at The Hospital for Sick Children in Toronto. The program is a national consortium that will explore screening for type 1 diabetes (T1D) in Canada.

This summer, CanScreenT1D received \$12 million in funding from the CIHR-JDRF Type 1 Diabetes Screening Research Consortium Team Grant

## Featured in Article



**Diane Wherrett**

[View Profile](#)



# Rethinking Type 1 Diabetes Care



## Panelists

### **SONIA SIDHU**

Member of Parliament,  
Brampton South  
Chair of the All-Party  
Diabetes Caucus in the  
Parliament

### **DR. BRUCE PERKINS**

Endocrinologist and Director,  
Leadership Sinai Centre for  
Diabetes, University of  
Toronto

### **JENNIFER BIZZARRI**

Individual living with T1D  
and Board Member, JDRF

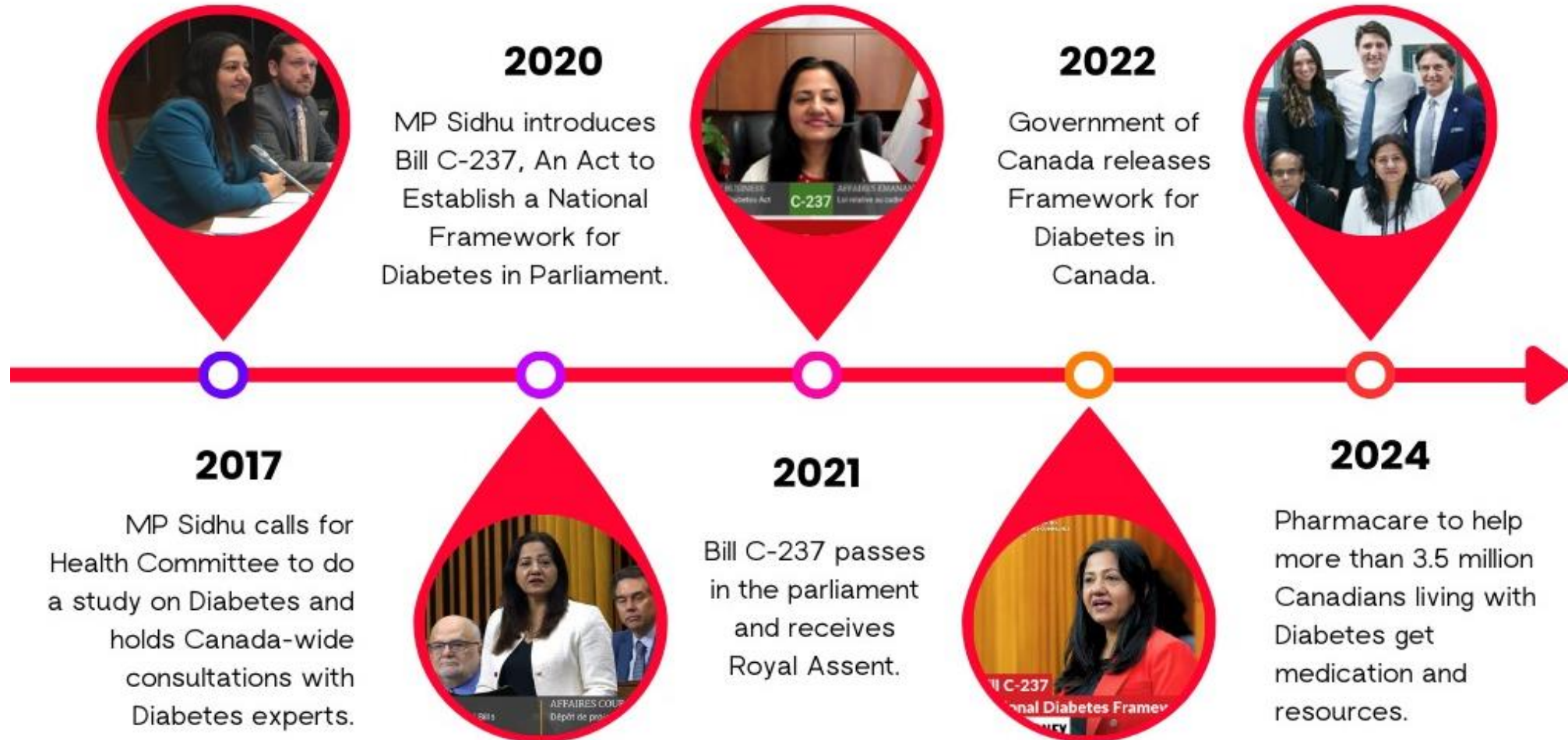
## Moderator

### **LARA GREEN**

National Manager,  
Research and Training  
Programs at JDRF  
Canada

## TIMELINE

# NATIONAL DIABETES FRAMEWORK + FREE DIABETES MEDICATION FOR CANADIANS





# Rethinking Type 1 Diabetes Care



## Panelists

### **SONIA SIDHU**

Member of Parliament,  
Brampton South  
Chair of the All-Party  
Diabetes Caucus in the  
Parliament

### **DR. BRUCE PERKINS**

Endocrinologist and Director,  
Leadership Sinai Centre for  
Diabetes, University of  
Toronto

### **JENNIFER BIZZARRI**

Individual living with T1D  
and Board Member, JDRF

## Moderator

### **LARA GREEN**

National Manager,  
Research and Training  
Programs at JDRF  
Canada