Education of Healthcare Professionals

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November 11, 2025





Disclosures

None



Objectives

- Rationale for accredited HCP Education
- Current accredited education offered
- Future direction



Clinical complexity in diabetes care is on the rise

1989 4 Pages 10

Citations

POSITION STATEMENT

Standards of Medical Care for **Patients With Diabetes Mellitus**

uing medical care and education to prevent acute term complications. People with diabetes should receive their treatment and care from physicians with expertise and a special interest in diabetes. The following standards define basic medical care for people with diabetes. These standards are not intended to preclude more extensive evaluation and management of the pa- . Other medications that may affect blood glucose

INITIAL VISIT

Medical history. The comprehensive medical history can uncover symptoms that will help establish the di
Gestational history: hyperglycemia, delivery of an inagnosis in the patient with previously unrecognized diabetes. If the diagnosis of diabetes has already been made, the history should confirm the diagnosis, review the previous treatment, help evaluate the present degree of glycemic control, determine the presence or absence of the chronic complications of diabetes, assist in formulating a management plan, and provide a basis for continuing care. Elements of the medical history of particular concern in patients with diabetes include:

Dietary habits, nutritional status, and weight history; amination require special attention. These include:

- abetes is a chronic illness that requires contin- . Frequency, severity, and cause of acute complications such as ketoacidosis and hypoglycemia
- complications and to reduce the risk of long
 Prior or current infections, particularly skin, foot, dental and genitourinary
 - Symptoms and treatment of chronic complications associated with diabetes: eve, heart, kidney, nerve, sexual function, peripheral vascular, and cerebral
 - concentration
 - · Risk factors for atherosclerosis: smoking, hypertension, obesity, hyperlipidemia, and family history
 - Psychosocial and economic factors that might influence the management of diabetes · Family history of diabetes and other endocrine dis-
 - fant weighing >9 lb, toxemia, stillbirth, polyhydramnios, or other complications of pregnancy

Physical examination. A complete physical examination should be performed during the initial evaluation. Individuals with diabetes are at high risk of developing eve. kidney, nerve, cardiac, and vascular complications. Patients with type I (insulin-dependent) diabetes also have an increased frequency of thyroid disease, and all individuals with diabetes are at increased risk of in-• Symptoms and laboratory test results related to the fections. Children may have delayed growth and maturation. Therefore, certain aspects of the physical ex-

Standards of Medical Care for Patients With Diabetes Mellitus. Diabetes Care 1 May 1989;12(5):365-**368** cise ntttps://doi.org/10.2337/diacare.12.5.365

THE JOURNAL OF CLINICAL AND APPLIED RESEARCH AND EDUCATION

Diabetes

JANUARY 2025 | VOLUME 48 | SUPPLEMENT 1 DIABETESJOURNALS.ORG/CARE



Standards of Care

iabetes e 48 Issue Supplement 1 | Diabetes Care American Diabetes Association

2025 352 Pages 3000+ Citations



DIABETES CARE VOL 12 NO 5 MAY 1989

Breakthrough T1D early detection pilot clinics

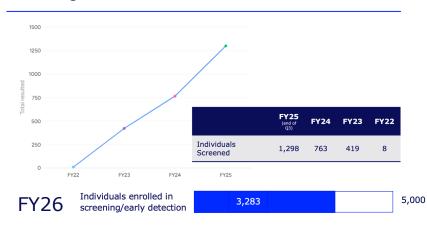
Demonstrate feasibility, acceptability, and efficacy of T1D screening and monitoring in the clinical setting

Develop clinical workflows

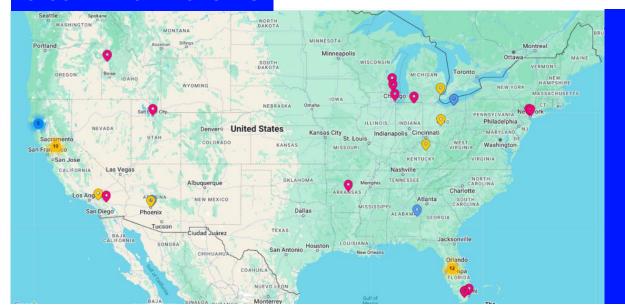
Improve healthcare professional and staff competencies

Contribute to the scientific literature to build evidence for inclusion in clinical guidelines

Pilot Program Metrics







3,500+ individuals screened

17+ current pilot clinic partnerships

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Breakthrough T1D Pilot Clinics extend screening and monitoring implementation to diverse settings



MOBEC, California



University Hospital, New Jersey



Wayne Pediatrics, Michigan

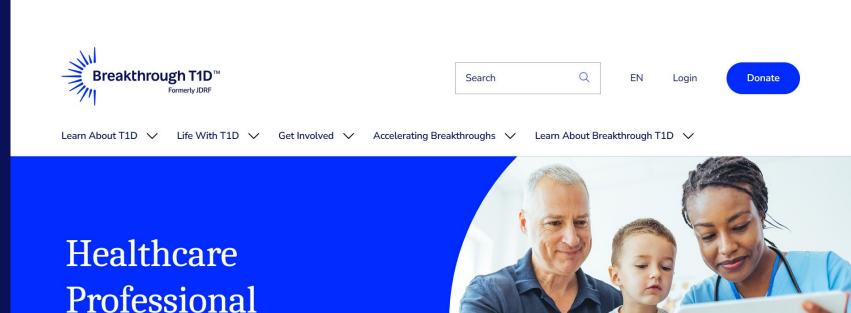


U.S. Accredited Education



On Demand Virtual Live Grand Rounds





Education and Resources

Accredited Education

Hear From Experts Upcoming Conferences

BreakthroughT1D.org/hcp-resources

Type 1 Diabetes Resources



Accredited offerings paired with resources

Pathways for Type 1 Diabetes Screening

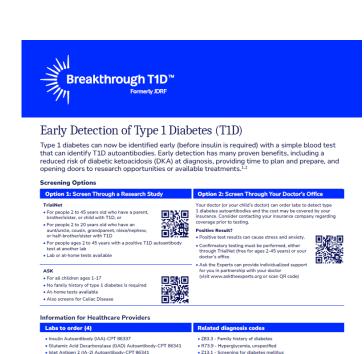




Presented by Jay Shubrook, Maria Spall & Kimberly Bautista

Learn about type 1 diabetes screening in clinical care using clinical and/or research pathways.

Learn More and Register 🖸



With your support, we are creating a movement to improve and change life with T1D, advancing breakthroughs on the way to cures. To find out more about resources and support, visit BreakthroughT1D.org/early-detection/.

International consensus guidance is available for monitoring autoantibody-positive individuals in early-stage T1D.2 (scan below

 Consider referral to TrialNet for free confirmatory testing and possible Additional metabolic testing: HbA1c, random blood glucose · Provide patient education including T1D symptoms . If multiple autoantibodies present or dysglycemia, refer to Endocrinolog

Order confirmatory testing

• Zinc Transporter 8 (ZnT8) Autoantibody-CPT 8634:

Consider additional testing in the







Accredited education paired with resources

Monitoring Individuals in Early Stage Type 1 Diabetes





Presented by Linda DiMeglio

This educational offering summarizes guidance for monitoring individuals in early stage type 1 diabetes for progression to stage 3 type 1 diabetes, including who to monitor, how often, and related labs and educational support.

Learn More and Register 🗹

Consensus guidance for monitoring children and teens who are islet autoantibody positive¹



How children should be monitored:

. 3 to 18 years old: annually for 3 years

a discrete amount of time, then stop

repeat every 1-3 months

monitoring as above

- If no progression after 3 years, stop

ths; order HbA1c and fasting glucose to assess for dysglycemi

Repeat IAb with HbA1c and random blood glucose (venous or capillary) (BG)

• Less than 3 years old: every 6 months for 3 years, then annually

For all, educate regarding diabetes symptoms and DKA prevention

If child reverts to negative IAb status during monitoring, monitor for

For all, IAb status should be confirmed with repeat testing within 3 months; order HbA1c and fasting glucose to assess for dysglyo

a 2-week period (test either fasting or postprandial on each day);

Repeat HbA1c and random venous or capillary BG

For all, consider use of a 10-to- 14-day continuous glucose

If patient reverts to single or negative IAb status, continue wit

. Monitor HbA1c, random venous or capillary BG, and blinded CGN

. More than 9 years old: every 6 to 12 months

. Less than 3 years old: every 3 months

• 3 to 9 years old: every 3 to 6 months

If dysalvcemia develops or is present Refer to a specialist

etection of one or more islet autoantibodies (IAbs) is currently the earliest indicator that a person **may** develop type 1 diabetes (T1D). Nearly 100% of people who have that a person may develop type I diabetes (11D). Nearly 100% of people who he two or more persistent autoantibodies will progress over time to a T1D diagnosis Monitoring during the first two years after seroconversion is most critical.



islet autnantihodies

Metabolic monitoring methods

There are many modalities that can be used to monitor IAb+ individuals. The gold standard is the oral glucose setting and to accurately classify diabetes stage. Ther are other available tools for monitoring including selfmonitored blood glucose (SMBG), periodic continuous glucose monitoring (CGM), standard OGTT, random venous glucose, and HbA1c. A detailed description of the pros and cons of the different monitoring tools can be found in the consensus monitoring guidance

Educational advice

People who are at risk for or have early-stage T1D should participate in monitoring education programs to reduce the rate of DKA at diagnosis, minimize studies, and support general and mental health for affected individuals and their families. Education should accompany all monitoring plans, including home glucose testing (SMBG) and monitoring devices (CGM). See full consensus guidance for more information.

Psychological support

Emotional cognitive and behavioral functioning should be assessed in people at risk or with early-stage T1D and their family members. Psychological care should be a part of routine medical visits. Ensure patient and family members understand screening and risk information. When possible, this should be delivered by providers with diabetes-specific training. Monitoring for T1D can reduce anxiety and depres and help individuals to manage the unpredictability of T1D development. See full consensus statement for more information.





Consensus guidance for monitoring persons who are islet autoantibody positive¹



Detection of one or more islat autoentihodies ((Ahs) is currently the earliest indicate that a person may develop type 1 diabetes (T1D) and can be used to accurately classify T1D versus type 2 diabetes (T2D). Nearly 100% of people who have two or more persistent autoantibodies will progress over time to a T1D diagnosis Monitoring during the first two years after seroconversion is most critical.



Anyone who is confirmed

How adults should be monitored:

months; order HbA1c and fasting glucose to assess for dysglycemia

Repeat IAb with HbA1c and random venous or capillary BG

- Every 3 years
- . Annually if one or more of the following T1D risk factors are present:
- First-degree relative with T1D (parent, sibling, child)
- Elevated genetic risk for T1D Dysglycemia
- History of stress hyperalycemia

For all, educate regarding diabetes symptoms and DKA prevention If adult nationt reverts to negative IAb status during monitoring no further monitoring is required; continue with T2D risk screening per ADA guidelines

For all, IAb status should be confirmed with repeat testing within 3 months; order HbA1c and fasting glucose to assess for dysglycemia

Repeat HbA1c and random venous or capillary BG

- . Patient with normoglycemia: annually
- . Dysglycemia present: every 6 months

Consider C-peptide monitoring if diagnosis of T1D vs. T2D is unclear For all, educate regarding diabetes symptoms and DKA prevention If adult patient reverts to single or negative IAb status, continue with monitoring as above

If dysglycemia develops or is present

- Refer to specialist
- . Monitor HbA1c and random venous or capillary BG every 6 months Plus, blinded CGM or OGTT every 6 months, or high-frequency SMBG

Metabolic monitoring methods

There are many modalities that can be used to monito IAb+ individuals. The gold standard is the oral glucose tolerance test (OGTT) that is used in the research setting and to accurately classify diabetes stage. Then are other available tools for monitoring including selfmonitored blood glucose (SMBG), periodic continuous glucose monitoring (CGM), standard OGTT, random venous glucose, and HbA1c. A detailed description of the pros and cons of the different monitoring tools can be found in the consensus monitoring guidance

Educational needs

People who are at risk or with early-stage T1D should receive individualized education to reduce the rate of DKA at diagnosis minimize need for emergency care at diagnosis, understand available interventions, introductions benefits of research studies, and support general and mental health for affected individuals and their families Education should accompany all monitoring plans, including home glucose testing (SMBG) and monitoring devices (CGM). See full consensus statement for more

Psychological support

Emotional, cognitive and behavioral functioning should be assessed in people at risk or with early-stage T1D and their family members. Psychological care should be a part of routine medical visits. Ensure patient and family members understand the screening and risk by providers with diabetes-specific training.

Monitoring for T1D can reduce anxiety and depress and help individuals to manage the unpredictability of

Monitoring during pregnancy

Please see the full guidelines for expert clinical advice for monitoring IAb+ women during pregnancy and

Breakthrough T1D3

Learn more at BreakthroughT1D.org/screening

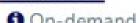
Reference Philip M, Archenhard P, Addah A, Blassman C-Yield A, Batsalina T, Fael KJ, Besser RE, Berdanis S, Colhous HA, Carper JJ, Craja MC, Terre Resulter C, Dock C, Horseld M, Callager MP, Grant B, Carper T, Cele Besser M, Callager MP, Horsel M, Callager MP, Carper MP, Carpe





Accredited offering paired with resources

Clinical Trials to Delay Type 1 Diabetes

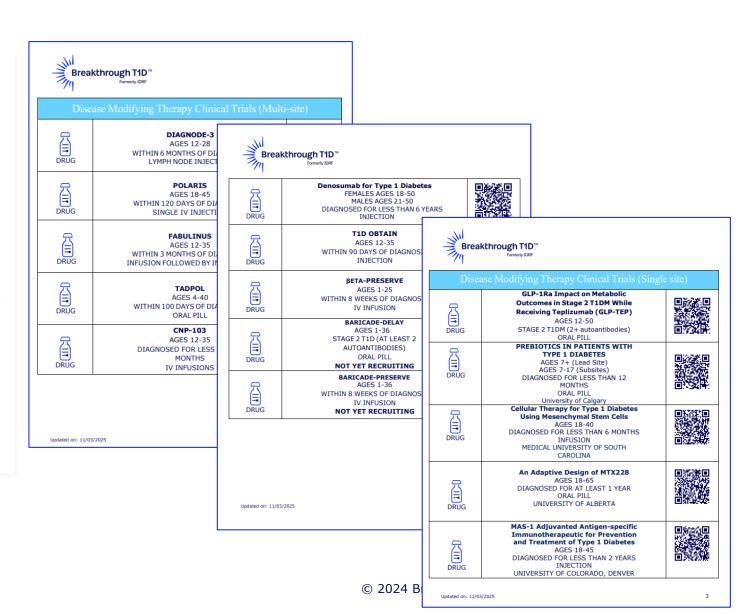


On-demand © 0.5 Credits

Presented by Laura Jacobsen

Updated September 2025: A brief guide to discussing type 1 diabetes clinical trials with patients, including why it is important, how to get involved, and current trials to delay the progression of type 1 diabetes and preserve the ability to produce insulin.

Learn More and Register 🗹







Referrals to clinical trials are low

Tufts Center for the Study of Drug Development conducted a study of 589 US-based (non-oncology) physicians

89%

of physicians reported that they feel somewhat or very comfortable discussing clinical trial opportunities with their

Getz KA. Ther Innov Regul Sci. 2020;54(2):404-410

0.14%

of patients were referred to a clinical trial

Barriers?

54% lack access to trial information

48% do not know where to refer patients

33% do not have the time to learn about active trials

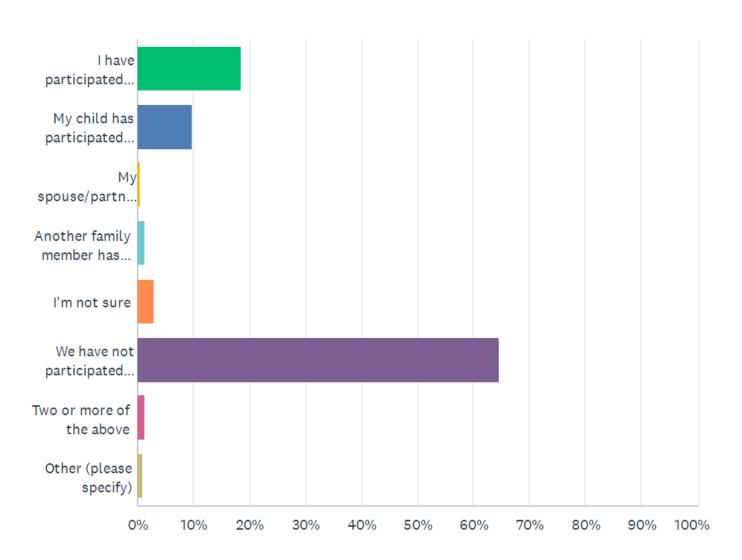


patients

Breakthrough T1D Survey

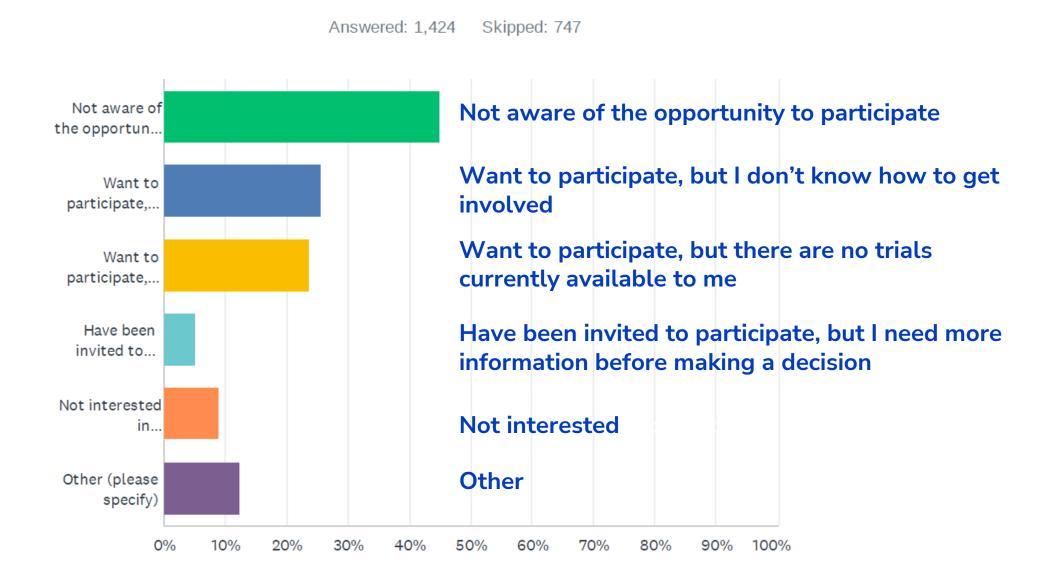
Have you or a family member participated in a clinical trial?

Answered: 2,171 Skipped: 0



~70% of respondents report they have not participated a clinical trial

Why haven't you participated in research?



Additional current U.S. offerings (+ partners)

Psychological Considerations in Early-Stage Type 1 Diabetes

1.0 Credits

Presented by Suzanne Bennett Johnson, Laura Smith, Holly K. O'Donnell, and assisting in development of the material Kimberly A Driscoll.

Explore the psychological and behavioral impact of early stage T1D and learn strategies for communicating risk and addressing concerns.

Learn More and Register 🗗

Representation in T1D Screening and Clinical Trials

On-demand 0.5 Credits

Presented by Ananta Addala

This educational offering explores disparities in access to type 1 diabetes screening and monitoring, and provides evidence-based solutions to deliver care to all.

Learn More and Register 2









Pilot clinic HCP education outcomes to date

17

12

9

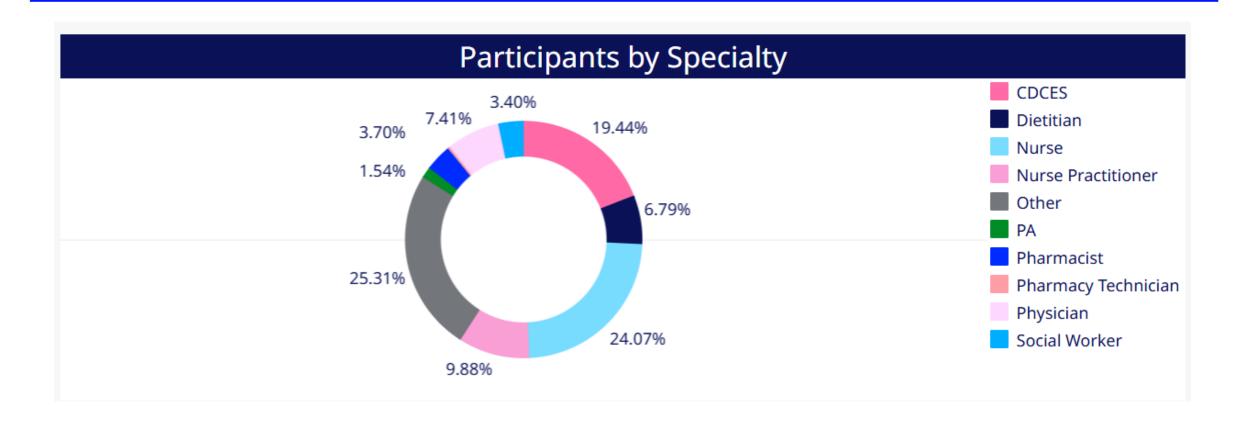
Total pilot clinic contracts (many with multi sites)

pilots actively screening, 5 recently onboarded (not yet screening)

pilots have completed HCP education

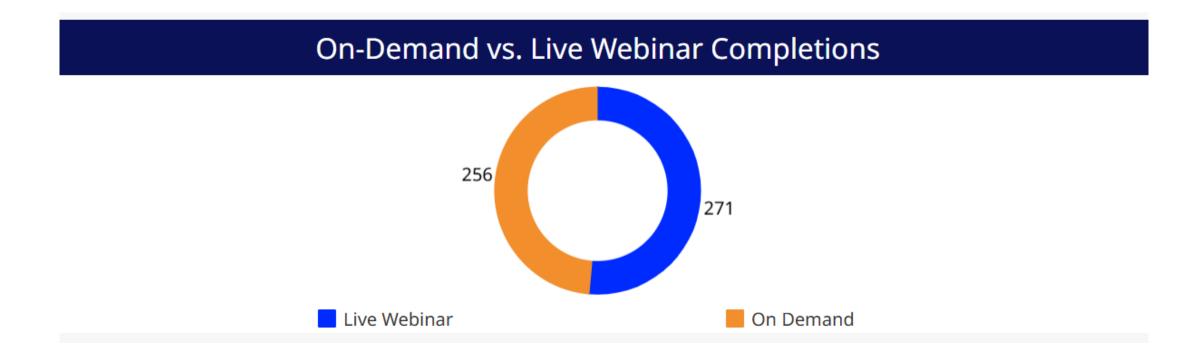


Uptake across the health professions





Which platform is best?





Interest expands beyond pilot clinic sites

Overall

- Total registrants: 784
- Certificates awarded: 522

National and International Reach

 Individuals from 42 US states and individuals from 29 different countries have registered for education





Maria Macias • 4:48 AM

Good moorning Anastasia,I'm María Macías,psychologist from Argentina.We work with children and adolescents with Dbt in a public hospital.At this moment we are working hard with screening.

@Paula Paz Povedano and the interdisciplinary team are interested in Accredited Educación for HCP.

Is there any possibility for us to do it?we can't register



Anastasia Albanese-O'Neill (She/Her) • 10:47 AM

Hi Maria — were you able to access the education?



Maria Macias • 10:59 AM

Hello!!I've just acceded education!!I choose Other option and then you could write Argentina .thanks!!!!



Anastasia Albanese-O'Neill (She/Her) • 1:04 PM

That is wonderful to hear. I'm so glad you enjoyed it. We would love your feedback!



Maria Macias • 1:06 PM



European Offerings



Offered in partnership with Medscape

- English
- French
- Italian
- German
- Portuguese
- Spanish





Accredited Education in Europe

Detecting and Managing Type 1 Diabetes in Clinical Practice

Type: Text based

Topic(s): Early detection

Launched: July 15, 2025

Days Live: 93

Learners: 2,614

Test Takers: 839

A New Dawn in T1D Care: Detection, Delay, Delivery, Striving for Cure

Type: Video based

Topic(s): AID, early detection,

immunotherapy, cell therapy

Launched: June 6, 2025

Days Live: 132

Learners: 4,327

Test Takers: 69





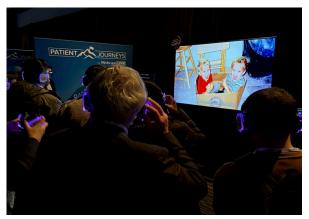
Immersive Educational Offerings



Immersive educational offerings: "Journeys of people living with type 1 diabetes"



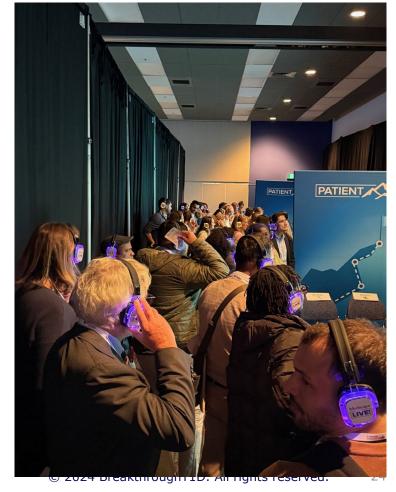












What's Next?



Forthcoming FY26 Accredited Offerings

Course Name	Faculty	Anticipated Launch
Motivational Interviewing in T1D Screening	Jan Kavookjian, PhD	November 2025
Diagnosis and Classification of Diabetes	Brynn Marks, MD	December 2025
Approved Disease Modifying Therapies	Kimber Simmons, MD	December 2025
Islet Cell Transplant	Peter Senior	December 2025
Current islet cell transplant clinical trials	Mike Rickels	December 2025
T1D Basics	Thomas Danne, Anastasia Albanese-O'Neill	January 2026

Breakthrough T1D™ Formerly JDRF

Thank you to the team at Breakthrough T1D (Julianne Lally, Thomas Danne, Michelle Simes-Kennedy, Danielle Faulkner, Jules Kronberger, Stacy Descoteau, Brynn Marks) and our partners at ADCES, Medscape, and many others.