



**T1D**  
*Exchange*

# Clinical Leadership Committee

9/27/2024

# Agenda:

- Welcome and Introductions (Carla Demeterco-Berggren, MD, PhD and Francesco Vendrame, MD, PhD)
- Member Website questions
  - Grace Nelson, MD
  - Allison Smego, MD
- T1DX-QI Learning Session Agenda
  - Review Agenda
- ADEPT
  - Review Agenda
- 2024 Annual Center Survey
- Clinical Perspectives for the Committee
  - Review of 2025 Measures and KDD

# Member Website Questions

**Question:**

What platform(s) are people using for device downloads these days. Do they integrate to EMR? With all the cloud based services for pumps the need for these are fewer, but not 0 at this time. Also if it pulls into EMR that would be cool.

**Name:** Grace Nelson, MD

**Question:**

We are curious if other institutions are using concentrated insulin in insulin pumps. And if so, do you have an resources for the team/patients/families to minimize the risk for dosing errors.

**Name:** Allison Smego, MD

# November Learning Session Agenda

| NOV 11 <sup>th</sup> |  |  |
|----------------------|--|--|
| 7:00 – 8:00 AM       | Breakfast  | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 8:00 – 8:10 AM       | Welcome and Logistics and thank you, Nicole Riales, MA   |  |
| 8:10-8:40 AM         | Introduction and Welcome by Chicago, IL Pls<br>Clinical Leadership Co-Chairs (Francesco Vendrame, MD, PhD and Carla Demeterco-Berggren, MD, PhD)<br><br>Grazia Aleppo, MD<br>Naomi Fogel, MD and Laura Levin, DO<br><br>Diabetes Care in Chicago | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 8:40-8:55 AM         | Opening Remarks from T1D Exchange<br>Dave Walton, MBA  | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 9:00-9:20 AM         | State of the Collaborative<br>Osagie Ebeozien, MD, MPH, CPHQ   | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 9:20-10:05 AM        | Keynote, Louis Philipson, MD, PhD, University of Chicago<br>Early-Stage Diabetes Diagnosis and Treatment   | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 10:05-10:50          | Leading Sustainable Improvements: Being a Leader in your team<br>Moderated by: Manmohan Kamboj   | 5 <sup>th</sup> FI<br>Chicago Ballroom |

|                  |  |  |
|------------------|--|--|
| 10:50-11:05 PM   | Break  |  |
| 11:10 – 12:30 PM | Breakout 1   |  |
| 12:30-1:30 PM    | Lunch and People with Diabetes Perspectives<br>Facilitated by: Jeniece Ilkowitz and Emily Coppedge<br>Lakeesha McDonald-Kee<br>Kobe Kee<br>Sydnee McDonald | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 1:30-2:20        | Poster Sessions and Networking   | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 2:30-3:50 PM     | Breakout 2   |  |
| 4:00 – 4:45 PM   | Panel Discussion<br>Embracing IT, EHR and Data Integration   | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 4:45-5:10 PM     | Updates from MannKind<br>Grazia Aleppo, MD   | 5 <sup>th</sup> FI<br>Chicago Ballroom |
| 5:10-5:15        | Closeout<br>Nicole Riales, MA  | 5 <sup>th</sup> FI<br>Chicago Ballroom |

# Breakout 1 11:10-12:30PM

Diabetes Distress

Moderated by

Pediatrics

Jill Weissberg-Benchell,  
PhD, CDCES

Adult

Ryan Tweet, PSyD

Plenary (Ballroom)

Implementing Successful  
Programs

Moderated by Sarah Lyons

Room 1 (A-C)

**Moving on Up: Employing a  
Mobile Care Center to  
Enhance Access to Care for  
Youth with Type 1 Diabetes:**  
Gajanthan Muthuvel

**Design and Launch of First  
Pediatric Specialty Value  
Based Program for T1D  
Patients:**  
Luke Harris

**Implementation of Type 1  
Diabetes Transition Clinic  
and Visit Checklist:** Jordan  
Ross

**Implementing High-Risk  
Programs at Four Pediatric  
Endocrinology Clinics in the  
T1D Exchange QI  
Collaborative:** Ori Odugbesan

Diabetes Devices

Moderated by: Ryan  
McDonough

Room 2 (F-H)

**Increasing continuous  
glucose monitoring (CGM)  
utilization in pediatric type 1  
diabetes (T1D) patients with  
hemoglobin A1c values  $\geq$   
8.5%:** Patrick Hanley

**Standardizing Insulin Pump  
Back-Up Plans: Improving  
Documentation and Patient  
Confidence Through Quality  
Improvement:** Kai Jones

**Optimizing Automated  
Insulin Delivery System use  
in Youth with Recent Onset  
T1D:** Mili Vakharia

**Improving Continuous  
Glucose Monitors  
Prescribing Behaviors in  
Primary Care:** Jovan  
Milosavljevic

Reducing Disparities and  
Promoting Equitable Care

Moderated by: Nirali Shah

Room 3 (Denver-KC)

**BRIDGE (Barrier Reduction in  
Insulin Delivery for Greater  
Equity) Project: Increasing  
Insulin Pump Use in Youth  
with Type 1 Diabetes with a  
Language of Care Other than  
English:** Samantha Goldklang

**Reducing Disparities in  
Continuous Glucose Monitor  
Adoption and Use Among  
Children and Adolescents  
with Type 1 Diabetes:** Ashley  
Garrity

**CDCES Clinical Workflows  
Can Address Challenges and  
Barriers to Equitable Care in  
New Onset T1D:** Jeanine  
Leverenz

**Connect1D Data  
Visualization: Informing  
Interventions and Equitable  
Improvement in Outcomes for  
Type 1 Diabetes (T1D)  
Patients:** Amanda Howell

Age Related Diabetes  
Milestone

Moderated by: Elizabeth  
Mann

Room 4 (LA-Scottsdale)

**Ongoing Efforts for  
Increasing Retinopathy  
Screening at a Pediatric  
Diabetes Center:** Jeniece  
Ilkowitz

**Age-appropriate Self-  
management of Type 1  
Diabetes:** Claire Moore

**Diabetes Autonomy  
Milestones: Educator and  
Family Expectations:** Jessica  
Schmitt

**Improving Microalbuminuria  
Screening Rates Among  
Pediatric Diabetes Patients: A  
Clinic-Wide Initiative:** Sarah  
Lydia Holly

# Breakout 2 2:30-3:50PM

Insights on New Education Tools

Moderated by: Todd Alonso

Plenary (Ballroom)

**Standardizing Inpatient Nursing Diabetes Education:** Elizabeth Gunckle

**New QI Tools and Methods:** Don Buckingham

**T1DX-QI Screening and Monitoring Efforts:** Emma Ospelt

**Best Practice Advisory Insights:** Trevon Wright

SDOH and Depression Screening

Moderated by: Roberto Izquierdo

Room 1 (A-C)

**Increasing Screening for Social Drivers of Health in Pediatric Diabetes:** Barbara Liepman

**Full-Scale Launch of Eating Disorder Screening at a Large Pediatric Diabetes Clinic:** Claire Zimmerman

**Improving Depression Screening Rates among Adolescents with Type 1 Diabetes using Limited Clinical Resources:** Samantha Jimenez

**Addressing Disparities in Diabetes Care: Implementing SDOH Screening at Diagnosis:** Sarah Lydia Holly

Transitions of Care

Moderated by: Stephanie Crossen

Room 2 (F-H)

**Y'all READDY for This?: Embedding Transition Readiness Screening Across Sites in a Pediatric Diabetes Practice:** Andrew Lavik

**STRIDE Project: Supporting Transition Readiness in Diabetes Education:** Sarah Rosenheck

**Transition of Care of T1D Pediatric Population to Adult Services:** Angela Mojica

**Assessing Readiness to Transition to Adult Care among Young Adults with T1D:** Jody Beth Grundman

Type 2 Diabetes

Moderated by Francesco Vendrame

Room 3 (Denver-KC)

**Improving Prescribing Rates of GLP1 Receptor Agonists (GLP1- RA) in Youth with Type 2 Diabetes:** Yasi Mohsenian

**Use of Non-Insulin Medications in Youth with T2D:** Mili Vakharia

**Developing a Tracking Tool for Insulin Pump Prescriptions Among Children and Adolescents with Type 1 & Type 2 Diabetes:** Amanda Perkins

**Increasing Lipid Profile Screening in Youth with Type 2 Diabetes:** Puja Singh

Positive Interventions for High Risk Populations

Moderated by: Halis Akturk

Room 4 (LA-Scottsdale)

**Implementation of the ASQ suicide risk screening in routine pediatric diabetes care:** Risa Wolf

**Family Centered Team Meetings for People with HbA1c >9% for >12 months:** Jeniece Ilkowitz

**Insulin Cost and Rationing in the Pediatric Type 1 Diabetes Population:** Lauren Waterman

**Connect1D: Proactive Outreach Intervention to Improve Equitable Care for Youth with Type 1 Diabetes:** Jennifer Kelly

# ADEPT Agenda

Day 1: November 12, 2024

|                |  |   |
|----------------|--|---|
| 7:00 – 8:30 AM | <b>Breakfast</b>   |   |
| 8:30 –8:45 AM  | <b>Opening Remarks</b><br>Charles (Chuck) Henderson, American Diabetes Association   |   |
| 8:45 – 9:00 AM | Dave Walton, T1D Exchange  |   |
| 9:00-10:15 AM  | <b>Panel Discussion: Achieving Diabetes Equity; Are we there yet?</b><br>Facilitated by Dr. Osagie Ebekeozien<br><br>Potential Panelists:<br>Terri Wiggins, SVP, Health Equity, ADA<br>James Gavin, MD, MPH<br>Monica Peek, MD, MPH<br>Bryan Buckley, DrPH |   |
| 10:15-10:30 AM | <b>Break</b>   |   |
| 10:35-10:55 AM | <b>Breakout Session 1</b>  |   |
|                | Track 1<br>Moderator: Juan Espinoza, MD  | Track 2<br>Moderator: Grazia Aleppo, MD   |
|                | Topic: Using QI methodology to improve equity<br>Speaker: Dr. Grace Nelson   | Topic: Supporting underserved patients with T2D<br>Speaker: Dr Sonya Haw          |
|                | Topic: Incorporating health equity into routine improvement efforts.<br>Speaker: Dr. Nana-Hawa Yayah Jones   | Topic: Addressing stigma in diabetes and obesity<br>Speaker: Matthew Garza        |
|                | Topic: Improving Equity in T1D Technology<br>Speaker: Dr. Ananta Addala  | Topic: Supporting children with diabetes and obesity<br>Speaker: Stephanie Sisley |
|                | Topic: Improving racial-ethnic equity of CGM uptake in pediatric patients<br>Speaker: Dr. Kajal Gandhi   | Topic: ADA Addressing inequities in diabetes obesity<br>Speaker: Dr. Ihuoma Eneli |
| 12:00-1:00 PM  | <b>Lunch and Networking; Meet our Sponsors</b>   |   |

|              |   |  |
|--------------|---|--|
| 1:05-1:25 PM | <b>Breakout Session 2</b>   |  |
|              | Track 1<br>Moderator: Margarita Ochoa Maya, MD  | Track 2<br>Moderator: Manmohan Kamboj, MD  |
|              | Topic: Kyle Cares<br>Kyle Banks   | Topic: Screening for social determinants of health in adults with diabetes<br>Speaker: Dr. Ruth Weinstock        |
|              | Topic: Advancing Equity in a Large Urban Center<br>Speaker: Dr. Selorm Dei-Tutu   | Topic: T1DX-QI Portal<br>Ann Mugnmode and Holly Hardison   |
|              | Topic: Using "TechQuity" to reduce inequities in glycemic outcomes in children with T1D<br>Speaker: Dr. Jenise Wong   | Topic: Grandmothers to the Rescue - Healthy Outcomes through Peer Educators (HOPE)<br>Speaker: Dr. Eva M. Vivian |
|              | Topic: Commercial Insurance Coverage and Diabetes Care Access<br>Speaker: Christine Monahan   | Topic: Diabetes Prevention in the Hispanic Community<br>Speaker: Dr. Tainayah Whitney Thomas                     |
| 2:05-2:25 PM |   |  |
| 2:30-3:30 PM | <b>Insights from Industry Partners</b><br>Facilitator: Terri Wiggins, SVP, Health Equity, ADA<br>Vertex:<br>Eli Lilly:  |  |
| 3:30-3:45 PM | <b>Break</b>  |  |
| 3:45-4:45 PM | <b>Screening and Prevention of Diabetes Panel</b><br>Facilitator: Carla Demeteroo-Berggren, MD, PhD<br><br>Breakthrough T1D- Anastasia Albanese O'Neil, PhD, APRN, CDCES<br>Ralph Ruggiero, MD<br>Shideh Majidi, MD |  |
| 4:45-6:00 PM | <b>Networking</b><br>Light refreshments to be served  |  |



# ADEPT Agenda

|                |   |   |
|----------------|---|---|
| 7:30 – 8:30 AM | <b>Breakfast</b>  |   |
| 8:30-9:30 AM   | <b>Keynote</b><br>Learning from our past and advancing towards the future   |   |
| 9:35-9:55 AM   | <b>Breakout Session 3- 15-minute presentations followed by 5 minutes of Q&amp;A and then at the end of the session, 10 minutes for panel discussion</b> |   |
|                | Track 1<br>Moderator: Viral Shah, MD  | Track 2<br>Moderator: Shideh Majidi, MD, MSCS   |
|                | Topic: The role of community-based organizations (CBOs) in advancing health and wellness<br>Speaker: Brandon Cleveland, Executive Director              | Topic: Using digital health to support health equity in diabetes<br>Speaker: Bola Bukoye          |
|                | Topic: Implementing and sustaining QI projects to address T1D health equity<br>Speaker: Dr. Shivani Agarwal   | Topic: Advancements in digital health equity<br>Dr. David Kerr                                    |
|                | Topic: Achieving equity for Hispanic patients with T1D<br>Dr. Janine Sanchez  | Topic: Digital Health Inequities and Diabetes in Pregnancy<br>Speaker: Dr. Farnooosh Farroghi     |
|                | Topic: Supporting Health Equity Infrastructure<br>Speaker: Dr. Carla Demeterco-Berggren   | Topic: Project ECHO as a model to increase access to specialist Care<br>Speaker: Dr. Ashly Walker |
| 11:00-12:00 PM | Topic: Psychosocial Care and Diabetes Panel<br>Facilitator: Jenise Wong, MD<br>Michael Harris, PhD  |   |
| 12:00-12:30 PM | Topic: Equity Starts and Ends with Community<br>Dr. Joshua Jospheh  |   |
| 12:30-12:45 PM | Topic: Conference Closeout and Evaluation<br>Dr. Osagie Ebekozien   |   |



# 2024 Annual Center Survey

The 2024 Annual Center survey is now live. The PDF of the survey and link was shared with the PI's and coordinators for each center.



Thank you for participating in the 2024 T1DX-QI Center Practice Survey. Please have one individual fill out this survey for your center. It should take no longer than 25 minutes to complete.

Name of Center:

Name and email of person completing report:



Please use this [link](#) or scan the QR code to submit no later than Friday October 18<sup>th</sup>.



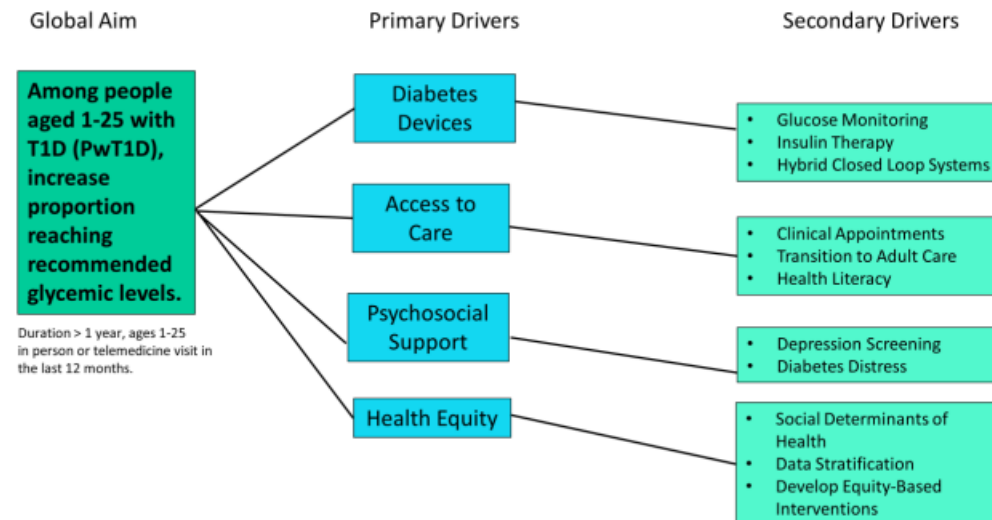
# Pediatric KDD and Measures

## Aim Statement for 2023-2025

Among people aged 1-25 with T1D (PwT1D), increase proportion reaching recommended glycemic levels.

1. Optimize glycemic outcomes as measured by HbA1C.
  - a. Increase % of people with HbA1c <7 by 5%.
  - b. Decrease % of people with HbA1c >9 by 5%.
2. Optimize glycemic outcomes as measured by TIR.
  - a) Increase % of people with Time in Range >70% by 5%.
  - b) Increase % of people with Time in Range >50% by 10%.
  - c) Decrease % of people with Time below Range (<70 mmol/dL) <4% by 5%.

## Key Driver Diagram



# Pediatric KDD and Measures

## Numerator:

1. HbA1c
  - a. Number of PwT1D in (A) with HbA1c <7 (Most recent HbA1c)
  - b. Number of PwT1D in (A) with HbA1c >9 (Most recent HbA1c)
  - c. Median HbA1c for all PwT1D
2. Continuous Glucose Monitor (CGM)<sup>2</sup>:
  - a. Number of PwT1D in (A) using CGM
  - b. Number of PwT1D in (A) using CGM at using at least 14 days 70% of the time in the reporting month
  - c. Number of PwT1D in (3) with Time in Range (70-180 mg/dL) >50%
  - d. Number of PwT1D in (3) with Time in Range (70-180 mg/dL) >70%
  - e. Number of PwT1D in (3) with Time below Range (less than 70 mg/dL) <4%
3. Insulin Delivery: The number in (A) with evidence of:
  - a. Insulin delivery system use including:
    - i. Pumps
    - ii. Open Loop
    - iii. Closed loop/AID/HCL
  - b. AID/HCL
  - c. Smart or Connected Pen use
4. Depression Screening
  - a. Number in A (12 years and older) who have not had depression screening in the last 12 months.
  - b. Number in (5a) who have been screened for depression (PHQ-2, 4, 8 or 9)
  - c. Number in (5b) that screened positive for depression (PHQ8/PHQ-9 score above 10)
  - d. Number in (5c) that received a behavioral health referral.
  - e. Number in (5d) who received referral and kept their behavioral health visit.
5. Diabetes Ketoacidosis (DKA)<sup>4</sup> Hospitalization: -Number in (A) with at least one DKA hospitalization in the last 12 months.
6. Severe Hypoglycemia (SHE) Hospitalization: Number of patients A) with at least one SHE hospitalization in the last 12 months.
7. Transition plan
  - a. Number of patients in (A) age 16 and older
  - b. Number of patients in (6a) with the documented transition plan in the last 12 months

## 8. Social Determinant of Health Screening

- a. Food Insecurity: Number in (A) asked at least one of the questions below or similar questions.
  1. Within the past 12 months we worried whether our food would run out before we got money to buy more.”
  2. Within the past 12 months the food we bought just didn’t last and we didn’t have money to get more.”
    - i. Number in (6a) who answered Yes to 6a 1 or 2.
    - ii. Number in (6ai) who received a referral for food resources

Jan 1, 2023-Dec 31, 2025, T1DX-QI Pediatric Quality Improvement Measures

## Optional Measures. These elective measures should only be done after completing Measures 1-8

### 9. Economics

- a. Number in A who have been screened for financial needs: How hard is it for you to pay for the very basics like food, housing, medical care, and heating? [Sample Responses: Very hard, Hard, somewhat hard, not very hard, Not hard at all, Patient refused, Not asked]
- b. The number in A for the reporting month who have been screened for medication affordability. Are you able to afford your medication?
  - i. Yes; 2. No

### 10. Transportation

- a. Number of A who have been screened for transportation needs. In the past 12 months, has lack of transportation kept you from medical appointments or from getting medication?
  - i. Yes; 2. No
- b. In the past 12 months, has lack of transportation kept you from meetings, work or from getting things needed for daily life?
  - i. Yes; 2. No

# Pediatric KDD and Measures

## 11. Housing

- a. Number of (A) for the reporting month who have been screened for housing needs. What is your housing situation today?
- I have a steady place to live
  - I have a steady place to live today, but I am worried about it in the future
  - I do not have a steady place to live (I am temporarily staying with others, in a hotel, in a shelter, living outside on the street, on a beach, in a car, abandoned building, bus or train station, or in a park)
  - Unknown
- b. In the last 12 months, was there a time when you were not able to pay the mortgage or rent on time?
- Yes
  - No

## 12. Tobacco The number (A) seen in the reporting month who have been screened for tobacco use in the past year.

- Never
- Current (within past month)
- Past (ever)
- Tried once

## 13. Number in (A) seen in the reporting month who have been screened for distress in the past year. Do you feel stressed – tense, restless, nervous, or anxious, or unable to sleep at night because your mind is troubled all the time – these days?

- Not at all
- Only a little
- to some extent
- Rather much
- Very much

## 14. Number in (A) seen in the reporting month who have been screened for isolation in the past year. Social: how often do you feel isolated from others?

- Never
- Rarely
- Sometimes
- Often
- Always

Never, ii Rarely, iii Sometimes, iv Often, v Always

### Health Equity Measures:

15. Number in (A) with at least one in person or virtual visit in the reporting month.

- Number in (15A) by race and ethnicity.
  - NH White
  - NH Black
  - Hispanic

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- Asian
- Other
- Not Reported

b. Number in (15A) by insurance type.

- Public
- Private
- Uninsured
- Other

16. Number in (A) who reported using insulin pump during the reporting month.

a. Number in (16A) by race and ethnicity.

- NH White
- NH Black
- Hispanic
- Asian
- Other
- Not Reported

b. Number in (16A) by insurance type.

- Public
- Private
- Uninsured
- Other

# Pediatric KDD and Measures

17. Number in (A) who were not on pump previously, were prescribed insulin pump in the reporting month.
  - a. Number (17A) by race and ethnicity.
    1. NH White
    2. NH Black
    3. Hispanic
    4. Asian
    5. Other
    6. Not Reported
  - b. Number in (17A) by insurance type
    1. Public
    2. Private
    3. Uninsured
    4. Other

## Screening and Monitoring:

18. Number in (A) who have been screened for T1D antibodies.
19. Number in (A) that have been screened and confirmed positive for antibodies (GAD65, Anti-IA2, Tyrosine Phosphatases IAS and IA 2 $\beta$ , ZNT8)
  - a. Number in (19A) confirmed for single autoantibody.
  - b. Number in (19A) confirmed for multiple antibodies.

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20. Number in (A) who have multiple islet autoantibodies, normal blood glucose.
21. Number in A who have multiple islet autoantibodies, abnormal glucose tolerance OR HbA1c 5.7-6.4%
  - a. Number in (21A) offered Teplizumab prescription.
22. Number in (20A and 21A) with a scheduled endocrinologist.
23. Number of individuals in (A) monitored for T1D diagnosis in last 12 months who have a DKA in reporting month.



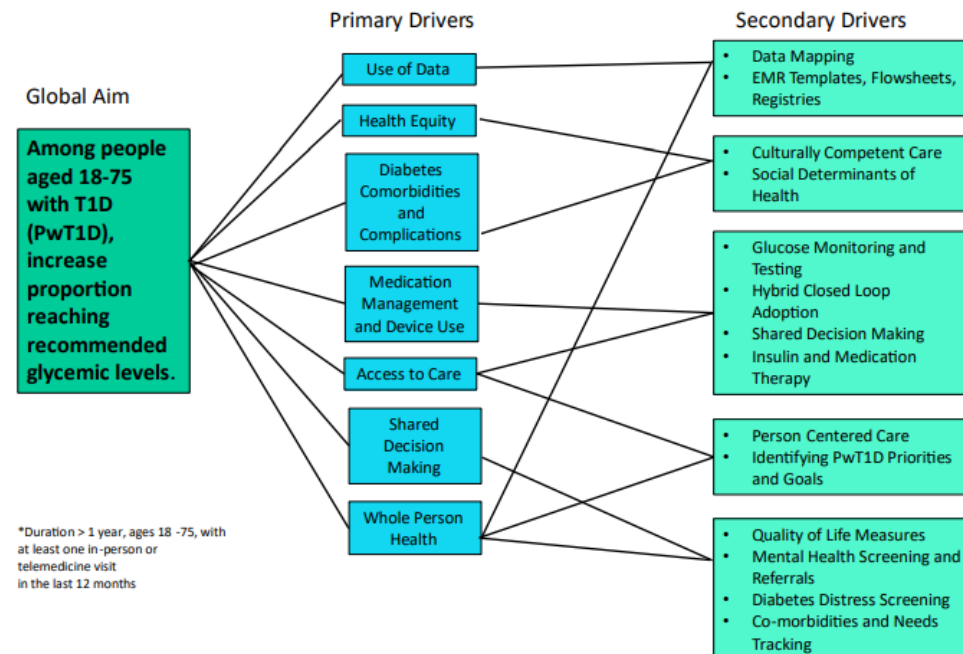
# Adult KDD and Measures

## Aim Statement for 2023-2025

Among people aged 18-75 with T1D (PwT1D), increase proportion reaching recommended glycemic levels.

1. Optimize glycemic outcomes as measured by HbA1c.
  - a. Increase % of people with HbA1c <8 by 5%.
  - b. Decrease % of people with HbA1c >9 by 5%.
  - c. Reduce Median HbA1c by 5%
2. Optimize glycemic outcomes as measured by TIR.
  - a. Increase % of people with Time in Range >70% by 5%.
  - b. Increase % people with Time in Range >50% by 10%.
  - c. Decrease % people with Time Below Range (<70mg/dL) by 5%

## Key Driver Diagram



# Adult KDD and Measures

**Denominator (A):** People with type 1 diabetes<sup>1</sup> (ages 18-75) with a minimum duration of diabetes  $\geq 12$  months with at least 1 HbA1c in the preceding 12 months, and a diabetes related visit (in person or virtual) in the reporting month.

## Numerators:

1. HbA1c
  - a. Number of PwT1D in (A) with HbA1c  $< 8\%$  (Most recent HbA1c)
  - b. Number of PwT1D in (A) with HbA1c  $> 9\%$  (Most recent HbA1c)
  - c. Median HbA1c value for all PwT1D
2. Continuous Glucose Monitor (CGM)<sup>2</sup> Use: Number in (A) using CGM for at least 14 days, 70% of the time in the reporting month.
3. Ambulatory Glucose Profile (AGP): Number of patients in (2) with:
  - a. Time in Range (70-180 mg/dL)  $> 50\%$
  - b. Time in Range (70-180 mg/dL)  $> 70\%$
  - c. Time in Hypoglycemia ( $< 70$  mg/dL)  $< 4\%$
  - d. Time in Severe Hypoglycemia ( $< 54$  mg/dL)  $< 1\%$
4. Insulin Delivery: The number in (A) with evidence of:
  - a. Insulin delivery system use including:
    1. Pumps
    2. Open Loop
    3. Closed loop/AID/HCL
  - b. AID/HCL
  - c. Smart or Connected Pen use
5. Depression Screening
  - a. Number in A who have been screened for depression (PHQ-2, 4, 8 or 9) in the last 12 months.
  - b. Number in (5a) that screened positive for depression (PHQ8/PHQ-9 score above 10)
  - c. Number in (5b) that received a behavioral health referral.
  - d. Number in (5c) who received referral and kept their behavioral health visit.
6. Social Determinant of Health Screening
  - a. Food Insecurity: Number in (A) asked at least one of the questions below or similar questions.
    1. Within the past 12 months we worried whether our food would run out before we got money to buy more.”
    2. Within the past 12 months the food we bought just didn't last and we didn't have money to get more.”
  - i. Number in (6a) who answered Yes to 6a 1 or 2.
  - ii. Number in (6a i) who received a referral for food resources.

- iii. Number in (6a i) who received a referral for food resources.
7. Diabetes Ketoacidosis (DKA)<sup>4</sup> Hospitalization: -Number in (A) with at least one DKA hospitalization in the last 12 months.
8. Severe Hypoglycemia (SHE) Hospitalization: - Number of patients A) with at least one SHE hospitalization in the last 12 months.

## Optional Measures. These elective measures should only be done after completing measures 1-8

### 9. Economics

- a. Number in A who have been screened for financial needs: How hard is it for you to pay for the very

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## Jan 1, 2023-Dec 31, 2025, T1DX-QI Adult Quality Improvement Measures

basics like food, housing, medical care, and heating? [Sample Responses: Very hard, Hard, somewhat hard, not very hard, not hard at all, Patient refused, Not asked]

- b. The number in A for the reporting month who have been screened for medication affordability. Are you able to afford your medication?

1. Yes; 2. No

### 10. Transportation

- a. Number of A who have been screened for transportation needs. In the past 12 months, has lack of transportation kept you from medical appointments or from getting medication?

1. Yes; 2. No

- b. In the past 12 months, has lack of transportation kept you from meetings, work or from getting things needed for daily life?

1. Yes; 2. No

### 11. Housing



# Adult KDD and Measures

## 11. Housing

- a. Number of (A) for the reporting month who have been screened for housing needs.  
What is your housing situation today?
  1. I have a steady place to live
  2. I have a steady place to live today, but I am worried about it in the future
  3. I do not have a steady place to live (I am temporarily staying with others, in a hotel, in a shelter, living outside on the street, on a beach, in a car, abandoned building, bus or train station, or in a park)
  4. Unknown
- b. In the last 12 months, was there a time when you were not able to pay the mortgage or rent on time?
  1. Yes
  2. No

12. Foot Exam: Number of patients in (A) who received a foot exam (visual inspection with either a sensory exam or pulse exam) in the last 12 months.

13. Eye Exam: Number of patients in (A) who received a retinal or dilated eye exam during the measurement year or a negative retinal or dilated eye exam in last 12 months.

14. Missing Appointments: Number of patients in (A) who have not been seen within the last 180 days based on days between visits and care.

15. Angiotensin-Converting Enzyme) Inhibitors and Angiotensin Receptor Blockers (ACE-I/ARB) prescription

- a. Number of patients in (A) with a diagnosis of hypertension or blood pressure <140/90 mmHg

- a. Number of patients in (12a) who prescribed ACE-I or ARBs in the measurement year are

16. Statin prescription

- a. Number of patients in (A) with hyperlipidemia or an LDL >130 mg/dL

- b. Number of patients in (13a) who are prescribed a statin for cholesterol in the last 12 months.

17. Tobacco The number (A) seen in the reporting month who have been screened for tobacco use in the past year.

- i. Never; ii. Current (within past month); iii. Past (ever); iv. Tried once.

18. Number in (A) seen in the reporting month who have been screened for distress in the past year.  
Do you feel stressed – tense, restless, nervous, or anxious, or unable to sleep at night because

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## Jan 1, 2023-Dec 31, 2025, T1DX-QI Adult Quality Improvement Measures

your mind is troubled all the time – these days?

- i. Not at all; ii Only a little; iii to some extent; iv Rather much; v Very much

19. Number in (A) seen in the reporting month who have been screened for isolation in the past year.  
Social: how often do you feel isolated from others?

1. Never, ii Rarely; iii Sometimes; iv Often; v Always

### Health Equity Measures:

20. Number in (A) with at least one in person or virtual visit in the reporting month.

- a. Number in (20A) by race and ethnicity.

1. NH White
1. NH Black
2. Hispanic
3. Asian
4. Other
5. Not Reported

- b. Number in (20A) by insurance type.

1. Public
2. Private
3. Uninsured
4. Other



# Adult KDD and Measures

21. Number in (A) who reported using insulin pump during the reporting month.
  - a. Number in (21A) by race and ethnicity.
    1. NH White
    2. NH Black
    3. Hispanic
    4. Asian
    5. Other
    6. Not Reported
  - b. Number in (21A) by insurance type.
    1. Public
    2. Private
    3. Uninsured
    4. Other
22. Number in (A) who were not on pump previously, were prescribed insulin pump in the reporting month.
  - a. Number (22A) by race and ethnicity.
    1. NH White
    2. NH Black
    3. Hispanic
    4. Asian
    5. Other

6. Not Reported
- b. Number in (22A) by insurance type.
  1. Public
  2. Private
  3. Uninsured
  4. Other