



January 28, 2025

Agenda

- Updates from TIDX-QI Coordinating Center, Osagie Ebekozien, MD, MPH and Nicole Rioles, MA
- Center Presentations
 - WASHU, Kai Jones, MD and Cynthia Herrick, MD
 - Grady Memorial, Georgia Davis, MD
 - Boston Medical Center, Kathryn Fantasia, MD



2024 Invoicing

For your Statements of Work with T1D Exchange, all invoices for deliverables completed on or before December 31, 2024, must be invoiced on or before 5pm EST March 1, 2025. Please work with your finance teams to ensure that we receive your invoices as we will be unable to process past due invoices for Calendar year 2024 after 3/7/2025.

Invoice for payment following the deliverables schedule in 1.C and/or 1.D and include deliverable number and date. All payments will be made through electronic funds transfer (EFT). Please include your banking information on invoice.

- 1.Bank account name & address
- 2.Bank account number
- 3. Bank account routing number

Invoices should be sent via email attachment.

To: t1dxap@t1dexchange.org

CC: nrioles@t1dexchange.org

<u>linda.crasco@t1dexchange.org</u>

rweathers@t1dexchange.org

Kindly forward this reminder to your finance contacts so that they are aware of the deadline.



Thank you!

Thank you for a wonderful journey together over the past 7 years. I truly appreciate each and everyone of you who have made my time at TID Exchange so memorable!

Please stay connected via LinkedIn (1) Osagie
Ebekozien MD, MPH |
LinkedIn or email
Osagie.ebeks@gmail.com

























































Center Presentation



Washington University in St. Louis

Kai E. Jones Cynthia J. Herrick Isabelle Reed – QI Champion





Background





We aim to increase use of PHQ2 for screening for depression by 50% in the next 3 months.

Survey to Providers



- Staff in Diabetes Center
 - 2 NP
 - 1 PA
 - 17 MD
- 12 responses
 - 1 NP
 - 1 PA
 - 10 MD

Survey Results



- 100% Strongly Agree/Somewhat Agree that Screening for Depression in Patients with DM is essential to providing care
- 50% Never perform depression screenings

Survey Results



- 70% Listed Time as a barrier for lack of screening
 - 20% Not aware of appropriate screening method/documentation
- 70% Extremely Comfortable/Somewhat Comfortable with pre appointment screenings

Survey Results



- 70% Listed Time as a barrier for lack of screening
 - 20% Not aware of appropriate screening method/documentation
- 70% Extremely Comfortable/Somewhat Comfortable with pre appointment screenings
 - Those who were uncomfortable mentioned the following issues:
 - MyChart Screening is "impersonal"
 - Time/Method for follow-up of results
 - Next steps?

PDSA #1



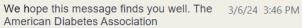


Initiate a prescreening process



Pre-appointment screening will not add additional burden or steps to the check-in process for our patients with diabetes.





recommends screening for your mood and mental health as this is very important to your overall well-being. As part of this, we kindly ask for your participation in a brief depression screening survey. Results will be available for your diabetes provider to review.

If you are currently experiencing urgent mental health issues or require immediate assistance, please do not wait, and reach out to our office or the following resource:

Behavioral Health Response (crisis line) 800-811-4760

Last read

3:47 PM on 3/6/2024.

rting You)



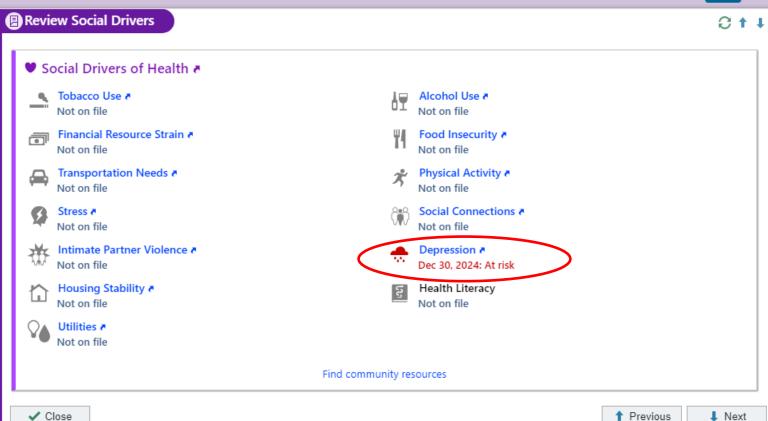
Patient questionnaire submission

3/6/24 3:47 PM

Your response has been received.

⇔ Mychart Phq-9

Question	3/6/2024 3:47 PM CDT - Filed by Patient
Over the last 2 weeks, how often have you been bothered by any of the following problems?	
Little Interest or Pleasure in Doing Things	Not at all
Feeling Down, Depressed, or Hopeless	Not at all
PHQ-2 Score (range: 0 - 6)	0 (Further screening not recommended)





Start Review

PDSA #1



- One half day clinic for 3 months
 - 20 eligible patients with T1D surveys sent
 - 14 were viewed by patients
 - 6/20 patient response to message all negative
 - 2/6 response was recorded but completed by a proxy
 - 5 patients subsequently screened in clinic

PDSA #1



- One half day clinic for 3 months
 - 20 eligible patients with T1D surveys sent
 - 6/20 patient response to message all negative
 - 2/20 response was recorded but completed by a proxy
 - 5 patients subsequently screened in clinic

- Did not see those changes reflected in portal
- Discussion with IT regarding data capture
 - Able to update our mapping

PDSA #1- Reflections



- Depression data can be captured using pre-appointment surveys
 - Appropriately transmitted to the exchange
- Proxies can complete the survey

PDSA #2 – In person screening



First week of January

6 Patients with T1D (only 5 eligible)

4 – Negative

l – Intermediate

1 -- Positive screen

PDSA #2 - Reflections



- In person, screening with PHQ-2 was efficient
- Rarely positive
- If positive:
 - Provider needs resource list that is updated
 - Prescribing help

PDSA #3



- 20% of providers were not aware of appropriate screen
 - How to enter
- Concerns with screening included
 - Time
 - Next Steps:
 - Updating list of mental health providers with insurance info
 - Updated urgent referral or treatment information
 - Education on interpreting results and SSRI prescribing

Algorithm for anti-depressant initiation if elevated PHQ

1st line medication options with starting dose:

SSRI

Fluoxetine (20 mg): better if depression sx predominant

Sertraline (25-50 mg): better if anxiety sx predominant; well tolerated

Paroxetine (10 mg): better if anxiety sx predominant

Citalopram (10 mg): good for balanced depression/anxiety sx; well tolerated

Escitalopram (5 mg): good for balanced depression/anxiety sx; well tolerated

SNRI

If PHQ-2 positive,

then complete

Follow flowchart

PHQ-9.

Venlafaxine (37.5 mg): avoid in pt with HTN

Duloxetine (30 mg): good for neuropathic pain

Other

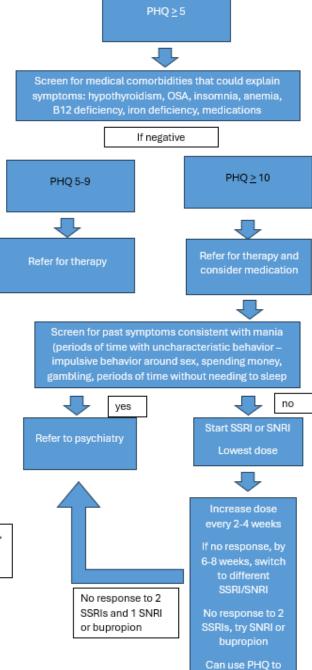
Bupropion (75-150 mg): associated with weight loss

Mirtazapine (15 mg): stimulates appetite

Vilazodone (10 mg): fewer sexual side effects

Vortioxetine

Common SSRI/SNRI side effects: weight gain, sedation, GI side effects, low libido, erectile dysfunction, headache, agitation, sweating/tachycardia



track symptoms



Next Steps

- Resource for how to enter screening
 - Video
- Outpatient Task Force Meeting Time

Thank You





Center Presentation



GRADY MEMORIAL HOSPITAL

January 2025 | Adult QI Collaborative Update

Clinic, QI & Research Team





Georgia M. Davis, MD
Associate Professor of Medicine



Francisco J. Pasquel, MD, MPH Associate Professor of Medicine



Alisha Virani, MS, RD, CDCES, LD Clinical Dietician Lead Grady Health System



Kristi Quairoli, PharmD, BCACP, CDCES Clinical Pharmacist Specialist Grady Health System



LeChe Williams, CPhT Patient Navigator



Rohit Parab, MD
Post Doctoral Fellow



Laya Chadalawada, MD Post Doctoral Fellow

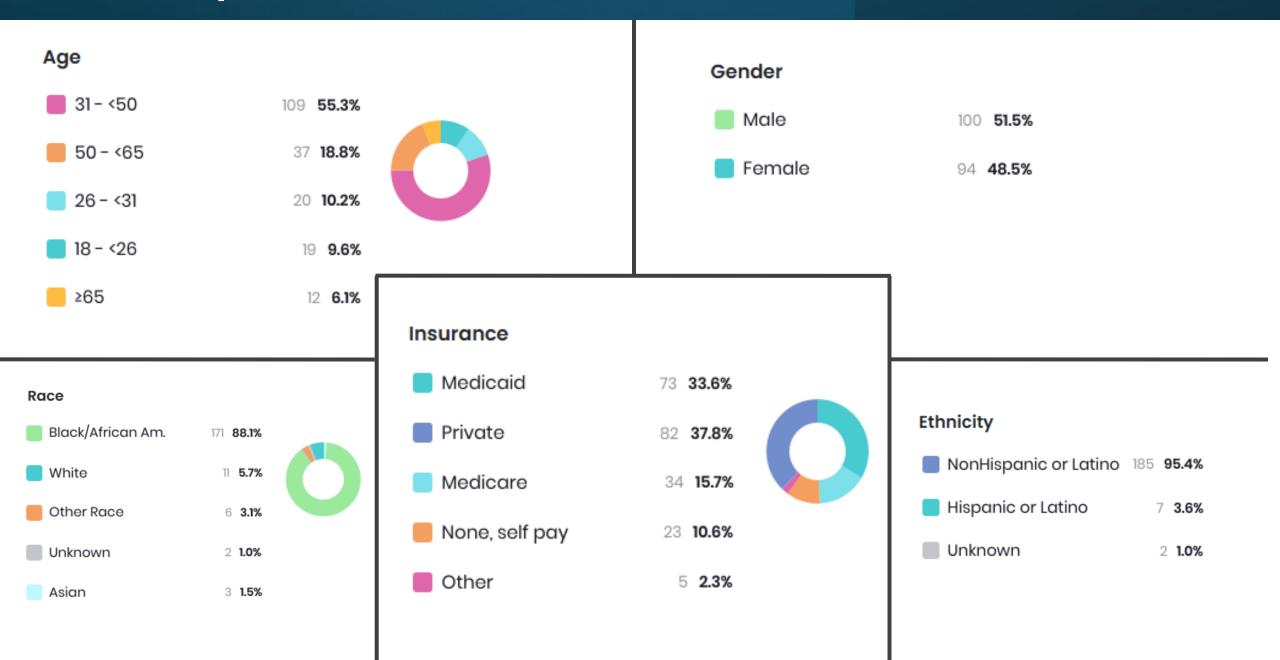


Omolade Oladejo, M.B.B.S. MPH Assoc. Academic Research Scientist

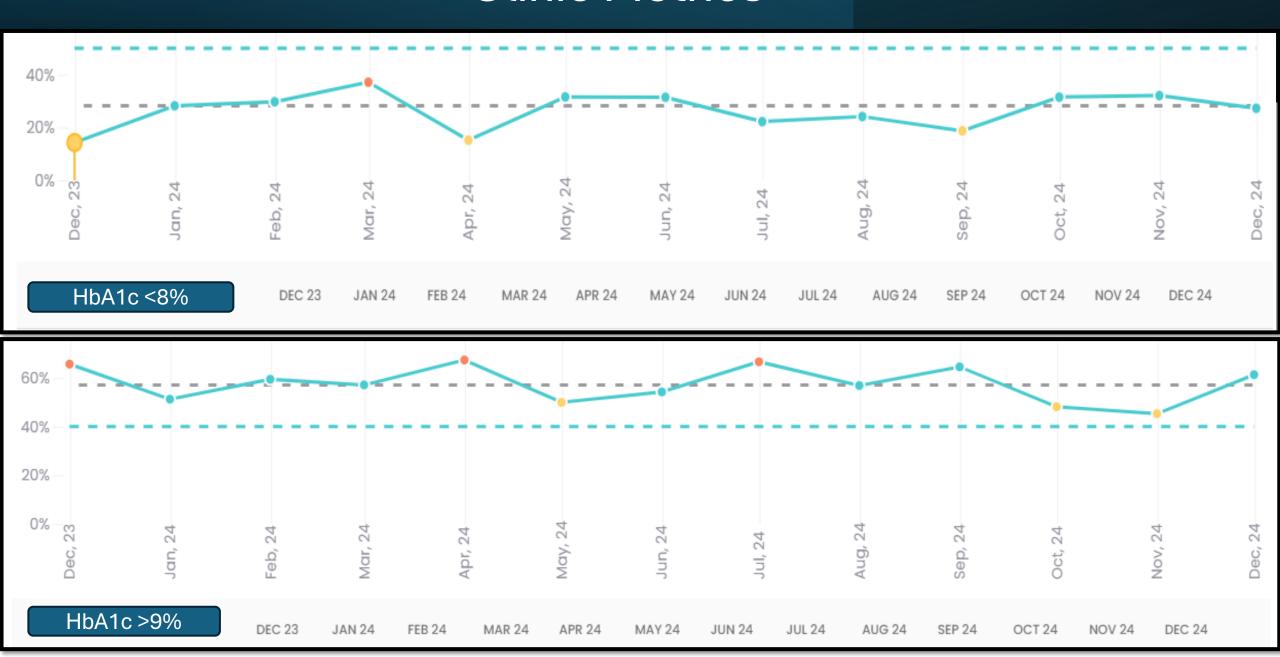


Sabeena Usman, Program Coordinator

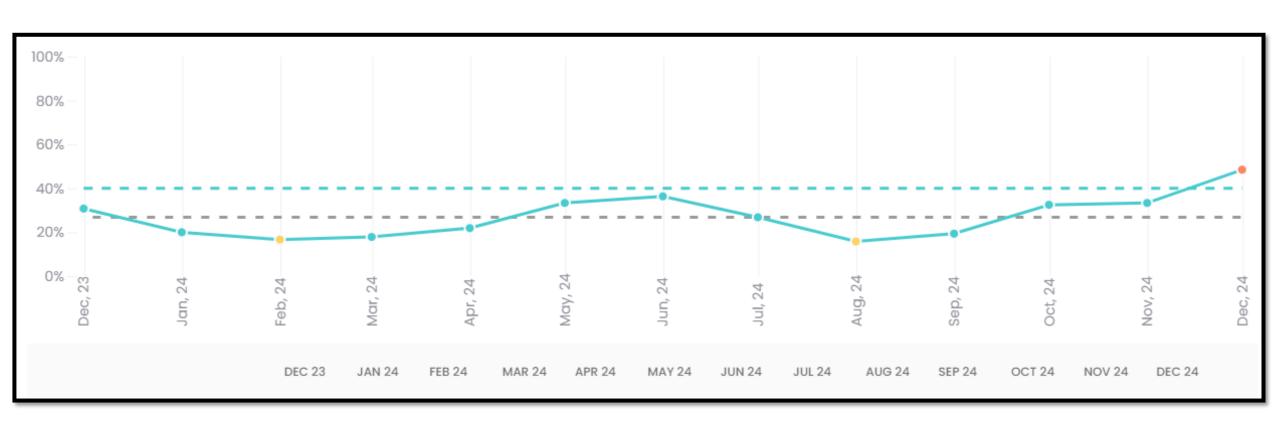
Clinic Population Overview



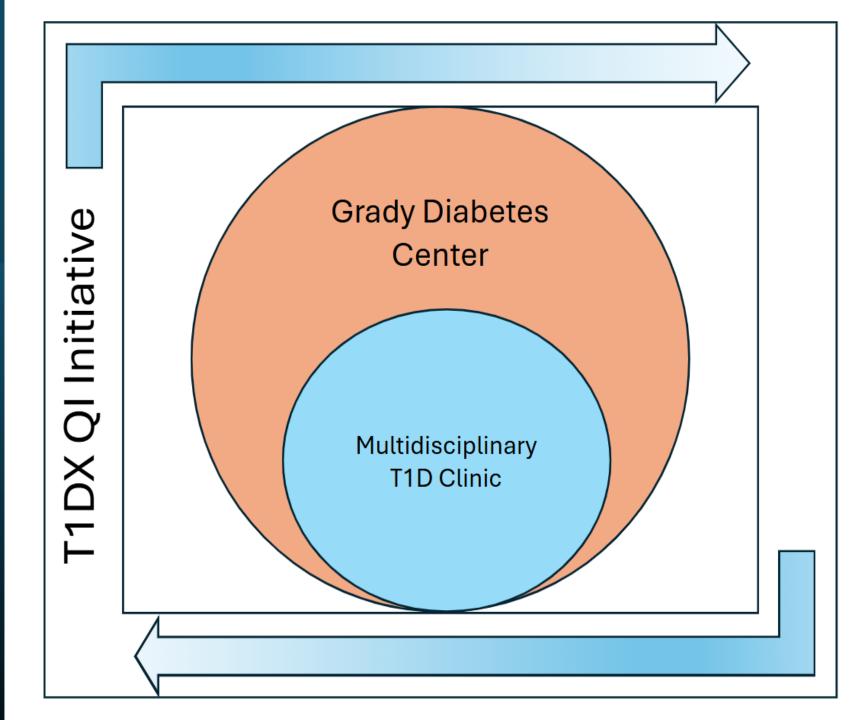
Clinic Metrics



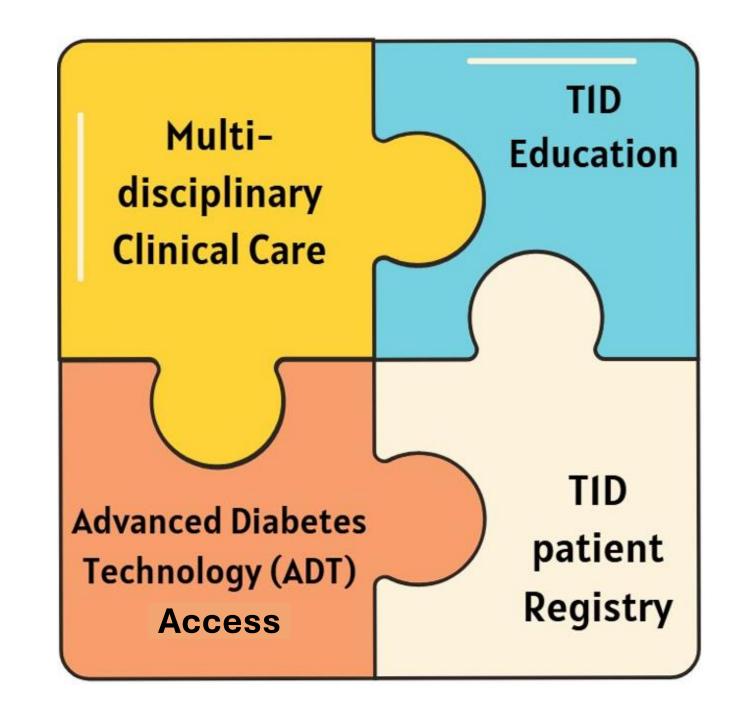
Clinic Metrics: HbA1c Improvement ≥0.5%



GHS
Diabetes
Center:
Clinic
Structure

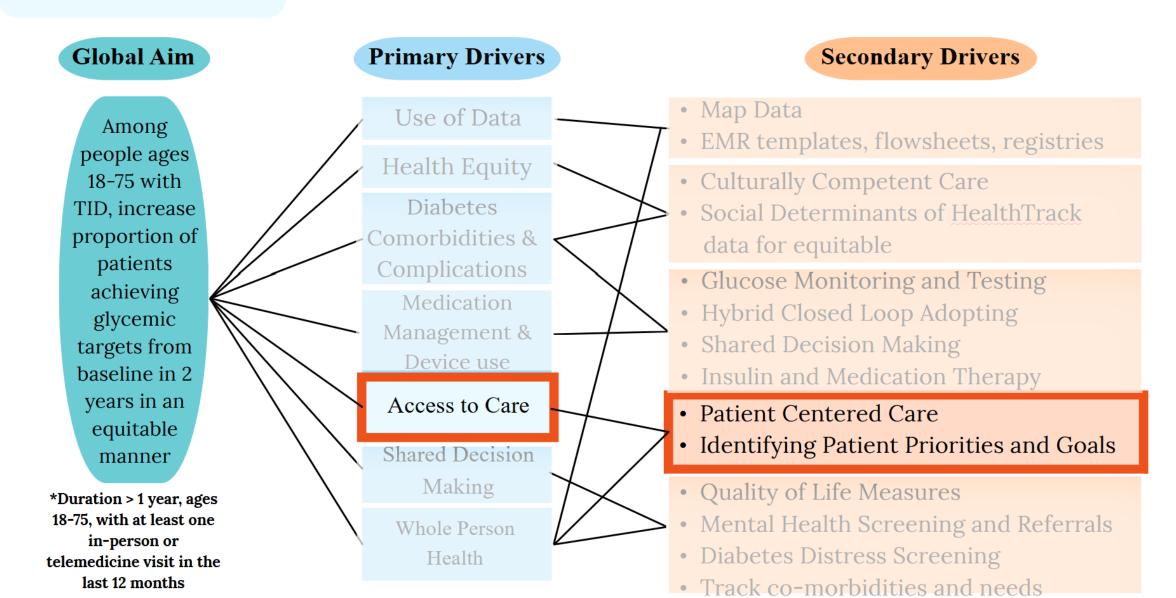


Quality
Improvement
Initiatives

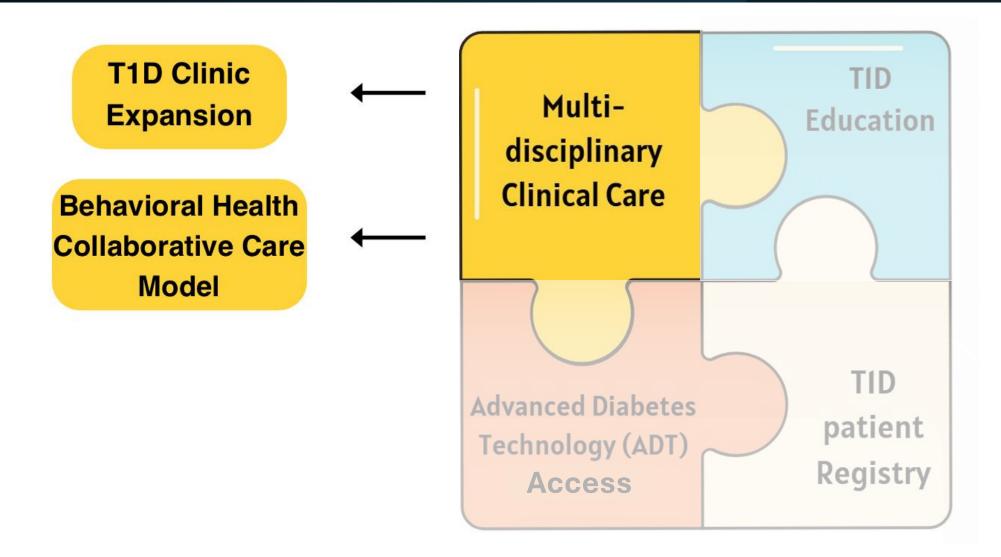


Access to T1D Multidisciplinary Care

Key Driver Diagram



Quality Improvement Initiatives:Multidisciplinary Clinical Care



Grady T1D Clinic Who we are **Advanced Diabetes Clinical Research and Multidisciplinary Technology (ADT)** Quality **Medical Education** What we do **Clinical Team Improvement** Access **Endocrinologists Identify barriers to Clinical Trials** Students, Residents, **Diabetes Educators** equitable access **Outcomes Research Fellows Clinical Pharmacists** How we work **Device initiation and T1D Exchange QI** Research **Nutritionists** continued use Collaborative **Involvement Behavioral Scientists**

Our programmatic mission

Reduce Care Fragmentation and Inequities in T1D Management

T1D Clinic Expansion

¹Diabetes Center (40-50% diabetes center T1D population)

2 half day clinics/month

¹Diabetes Center (all patients with T1D)

²High-Risk OB (on technology and/or with A1c >9%)

4-5 half day clinics/month

CURRENT EXPANSION

¹Diabetes Center(all patients with T1D)

²High Risk OB (on technology and/or with A1c >9%)

³Inpatient Referrals

⁴Primary Care Referrals

8-9 half day clinics/month

¹Diabetes Center(all patients with T1D)

²High Risk OB (on technology and/or with A1c >9%)

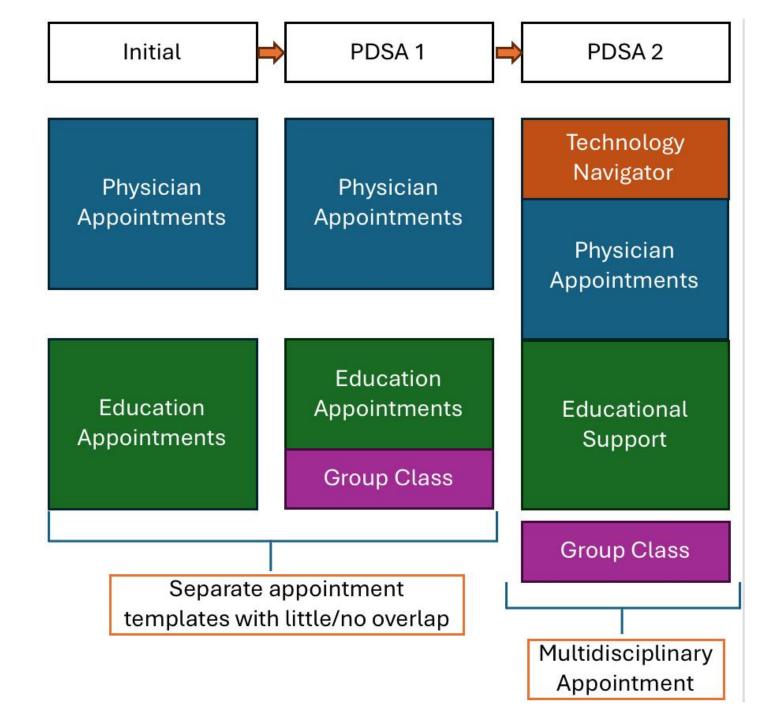
³Inpatient Referrals

⁴Primary Care Referrals

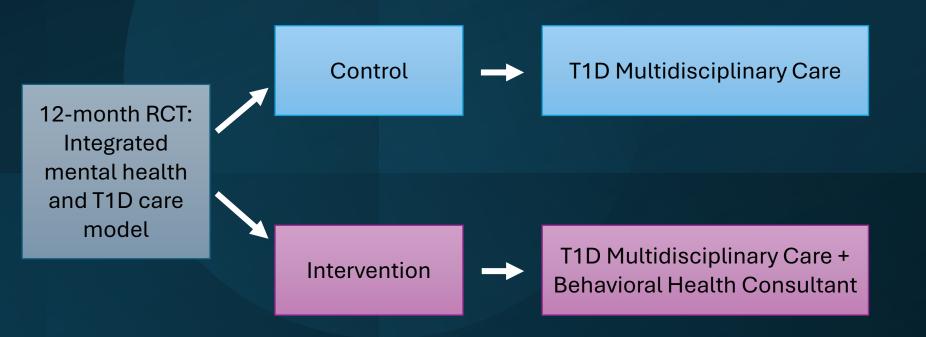
⁵Outside Referrals

10-12 half day clinics/month

Clinic
Scheduling:
Process
Improvements



Collaborative Care Model: Addressing Behavioral Health Needs in T1D



RE-AIM Evaluation:

- Reach
- Effectiveness
- Adoption
- Implementation
- Maintenance

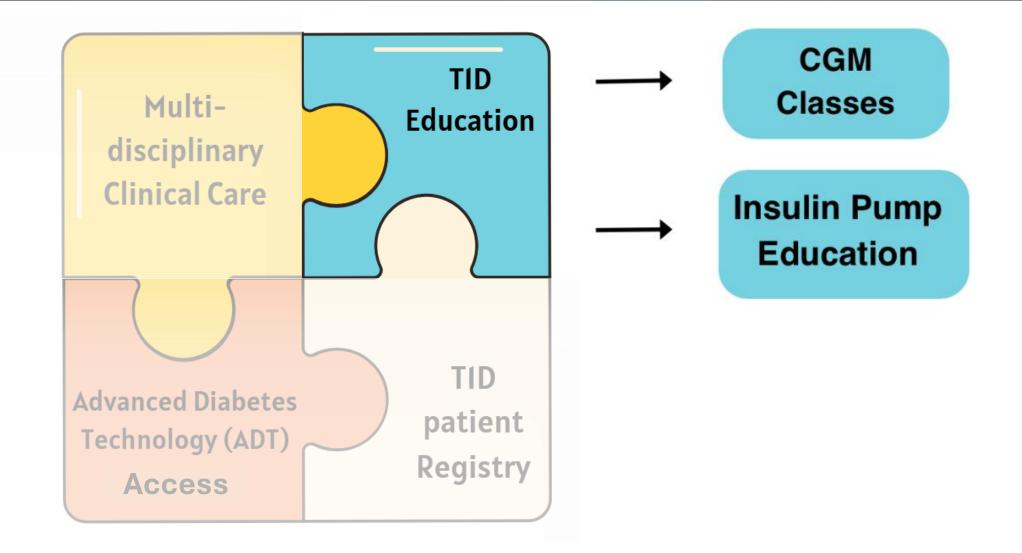
Type 1 Diabetes Education

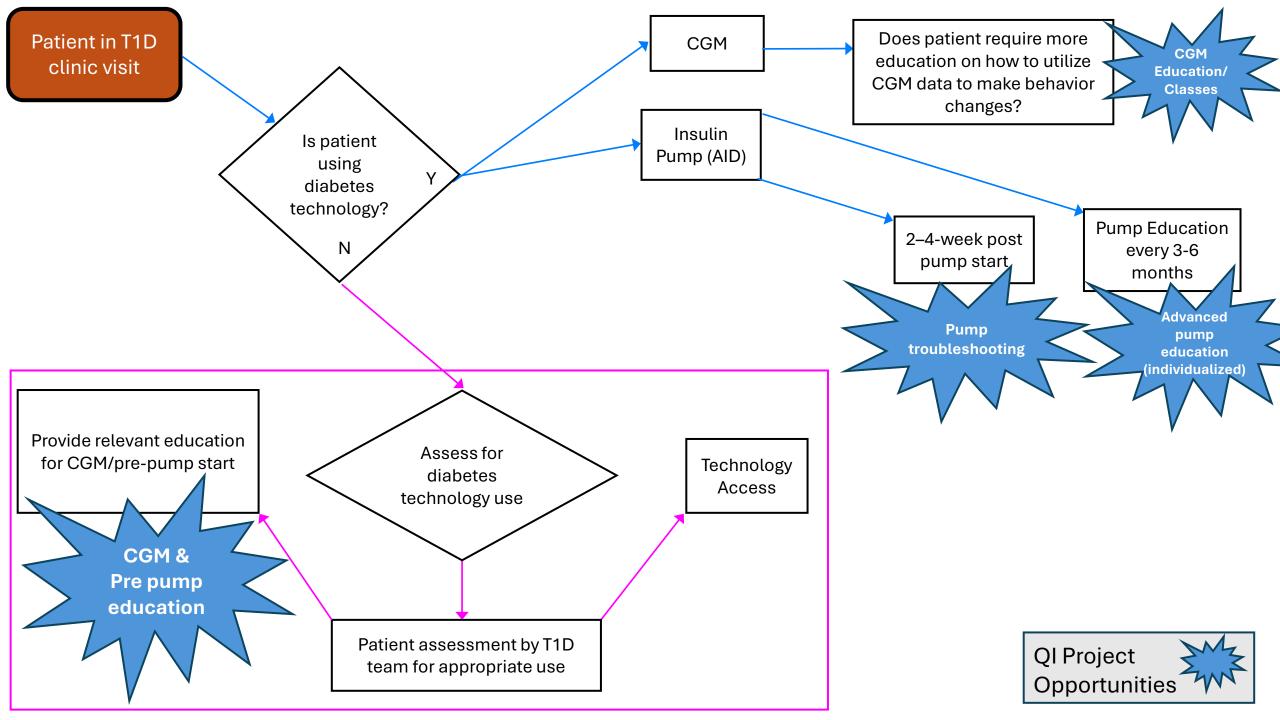
Key Driver Diagram

last 12 months

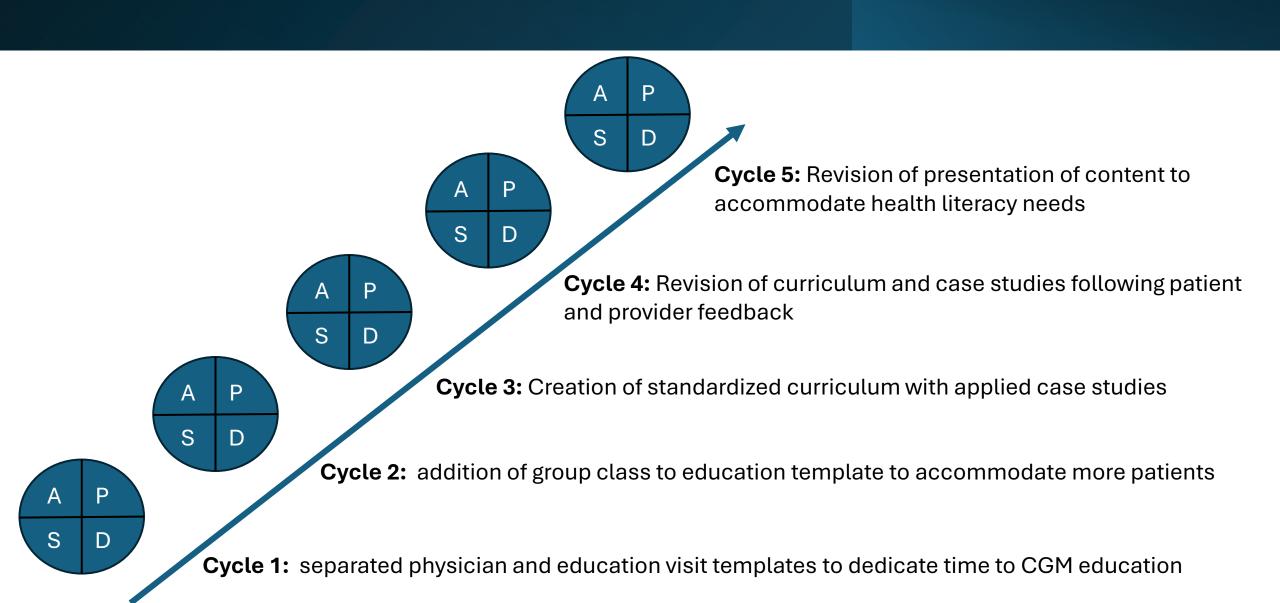
Primary Drivers Global Aim **Secondary Drivers** Map Data Use of Data Among EMR templates, flowsheets, registries people ages Health Equity Culturally Competent Care 18-75 with Diabetes TID, increase Social Determinants of HealthTrack proportion of Comorbidities & data for equitable patients Complications Glucose Monitoring and Testing achieving Medication • Hybrid Closed Loop Adopting glycemic Management & targets from Shared Decision Making Device use baseline in 2 Insulin and Medication Therapy years in an Access to Care Patient Centered Care equitable **Shared Decision** Identifying Patient Priorities and Goals manner Making Quality of Life Measures *Duration > 1 year, ages Mental Health Screening and Referrals 18-75, with at least one Whole Person in-person or • Diabetes Distress Screening Health telemedicine visit in the Track co-morbidities and needs

Quality Improvement Initiatives:Type 1 Diabetes Education





CGM Classes



Pre-Pump Education

Session 1: Prior to pump initiation

- What is an insulin pump/how it works
- AID concept
- Benefits/Risks
- Carb counting
- Handout of the different types of insulin pumps on the market

Session 1a: Group format carb counting

Session 1b: Individualized carb counting with ICR and/or meal size education

Session 2: Pump Start Education

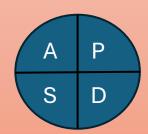
- Pump initiation and training completed with company clinical liaison or clinic CDE
- Glucagon and ketone monitoring prescriptions

Session 3: Pump Troubleshooting

- Skin issues/preventing infections
- Disconnecting and reconnecting pump
- Water activities
- Traveling
- Back up supplies
- Troubleshooting

Session 4: Advanced Pump Education

- Ongoing education (every 3-6 months)
- Advanced pump functionality
- Physical activity

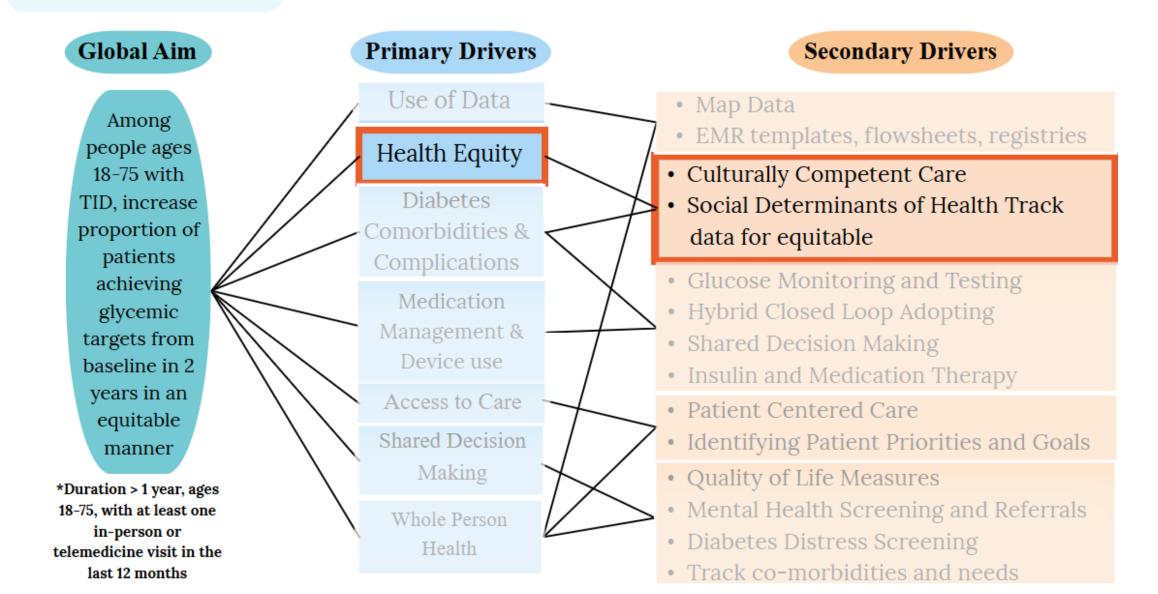


Educational References: trifold brochure for pump troubleshooting

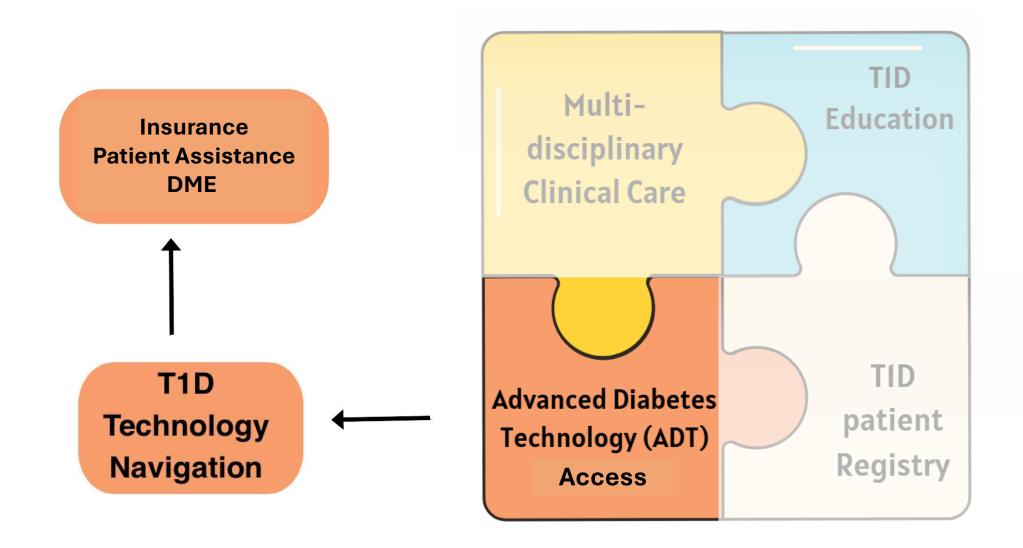
Carb Counting Skill Building: ongoing education for carb and meal estimation entry (individual or group)

Advanced Diabetes Technology Access

Key Driver Diagram



Quality Improvement Initiatives:ADT Access



Grady T1D Clinic Who we are **Advanced Diabetes Clinical Research Multidisciplinary** Medical What we do **Technology (ADT)** and Quality **Clinical Care Education Access Improvement** Students, **Endocrinologists Identify barriers to Clinical Trials** Residents, **Diabetes Educators** equitable access **Outcomes Research Fellows Clinical Pharmacists** How we work Research **Device initiation and T1D Exchange QI Nutritionists Collaborative Involvement** continued use **Behavioral Scientists** Our programmatic Reduce Care Fragmentation and Inequities in T1D Management mission **T1D Program Navigator Visit Navigation ADT Access Device Data Patient Registry**

T1D Program Navigator

Visit Navigation

Assessment of current technology use

- Patient device and prescription needs
- Visit priorities

ADT Access

- Insurance coverage
- Patient assistance programs
- Approval processes
- Order logistics and follow up

Device Data

- EHR technology use documentation
- Population management tools

Patient Registry

Study

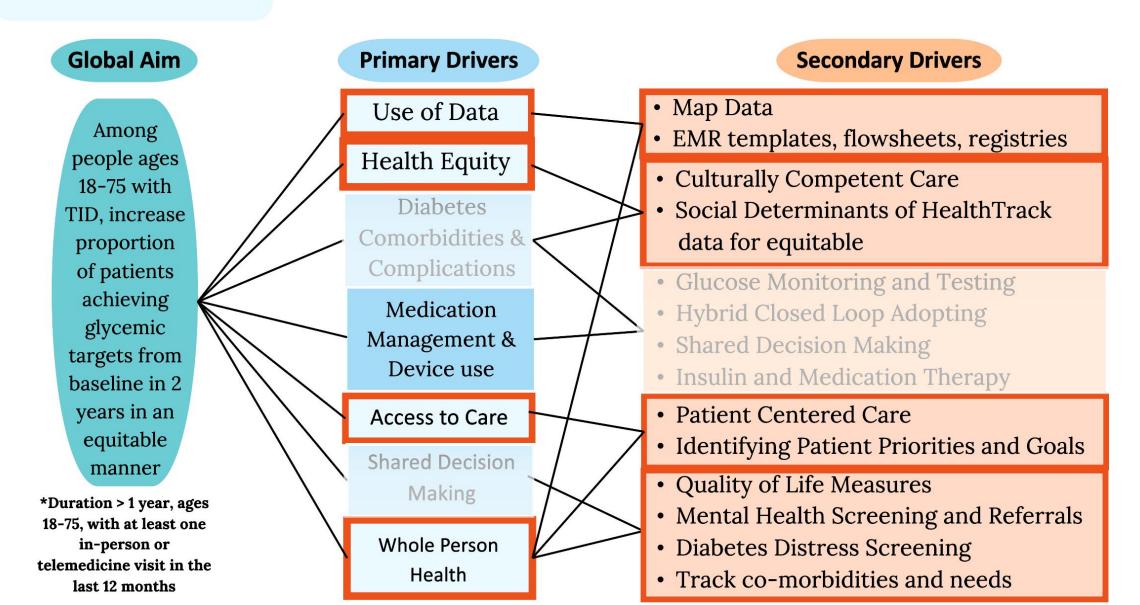
 introduction
 and
 integration
 into clinic
 flow

Patient and Population-Level T1D Data for support of:

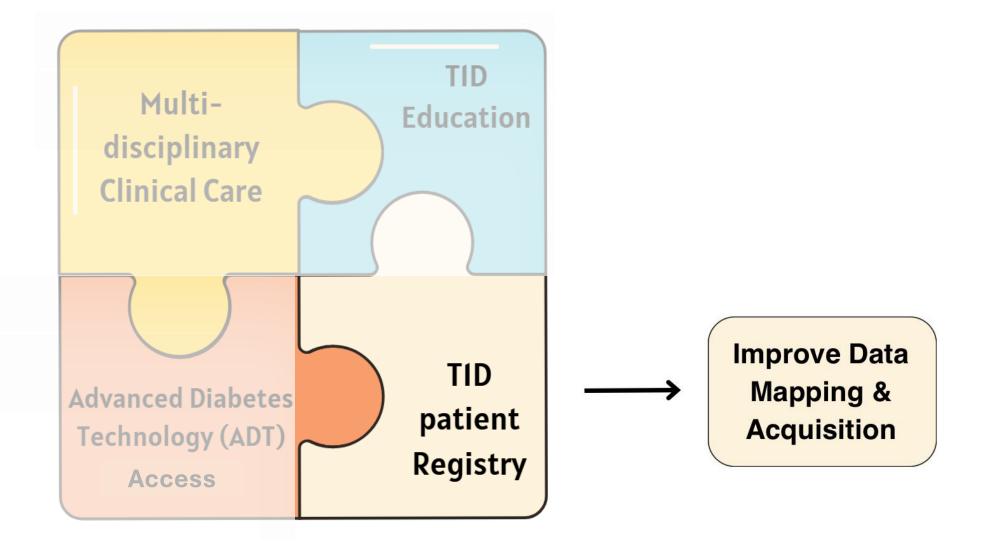
- Ongoing national QI initiatives
- Population management research (local, national)
- Clinical Trials prioritizing high-risk groups

Type 1 Diabetes Registry

Key Driver Diagram



Quality Improvement Initiatives:Type 1 Diabetes Registry



T1D Registry:

Patient Information & EHR Data

Initial Intake

Name

- Age
- Sex

Initial Survey

- Diabetes history
 - Duration
 - Diagnosis (T1/T2)
 - DKA/Hypos
- Device use
- Diet & exercise
- Substance use
- Education
- Employment/Income
- Insurance coverage

Follow Up Survey

Longitudinal tracking of events/metrics:

- DKA
- Hypoglycemia
- Glycemic control
- CGM & insulin pump use (gaps)
- Insurance (gaps)

EHR Data

- Vitals
- Anthropometrics
- Lab tests:
 - Glycemic metrics
 - Lipids
 - Ketones
 - Thyroid function
 - Renal function
 - Liver function
 - Vit D
 - Antibodies (T1Dspecific and other)

Medical History

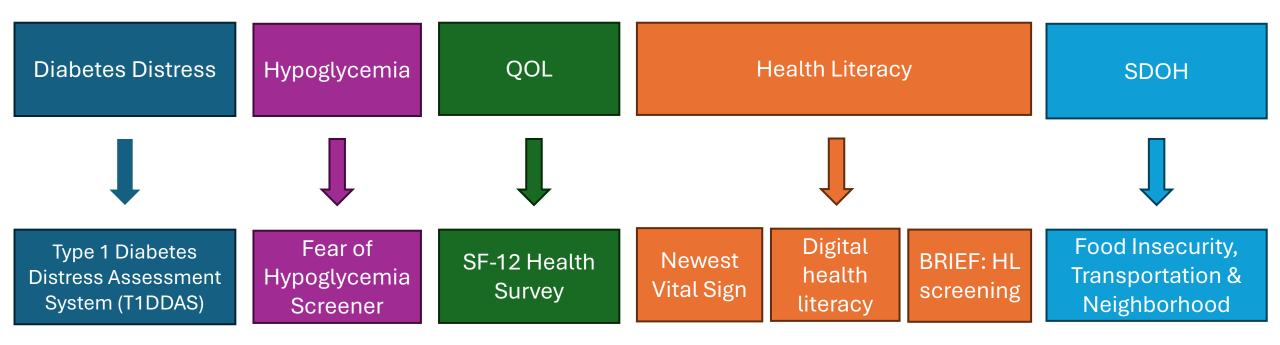
- Chronic conditions
- Family history
- Diabetes complications
- Surgeries
- ED visits
- Hospitalizations
- Medications
- Allergies
- Imaging
 - Retinal screening
 - Gastric emptying
 - Echo (EF)

Clinical Encounter & Note Data

- T1D clinic visits
- T1D Education visits
- Diabetes
 Center
 encounters

T1D Registry:

Surveys



Thank You!

gmdavis@emory.edu

Center Presentation



T2D Exchange Increasing CGM Prescribing for Adults with T2D

Boston Medical Center **HEALTH SYSTEM**

Our Clinic

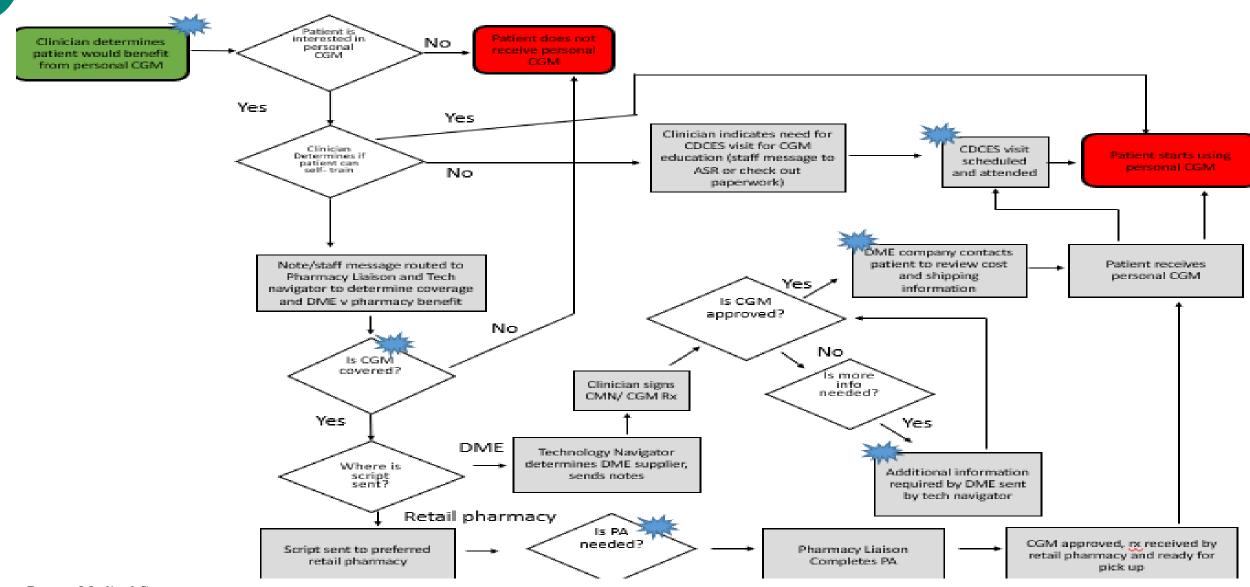
- 514-bed safety-net hospital in Boston, Massachusetts
- ~75% of patients are publicly insured,
 ~60% African American, ~10% Hispanic,
 ~30% non-English language preference
- 8 CDCES (4 RD, 1 RN, 2 PharmD, 1 NP)
- 4 NPs (1 dedicated outpatient)
- 10 Endocrinologists who participate in DM care

Diabetes Population

- -~600 T1D patients/year
- -~4000 T2D patients/year (primary diagnosis billing)

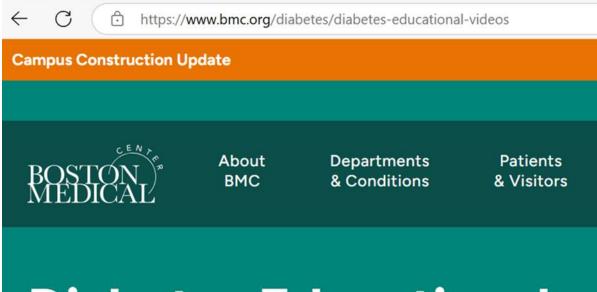


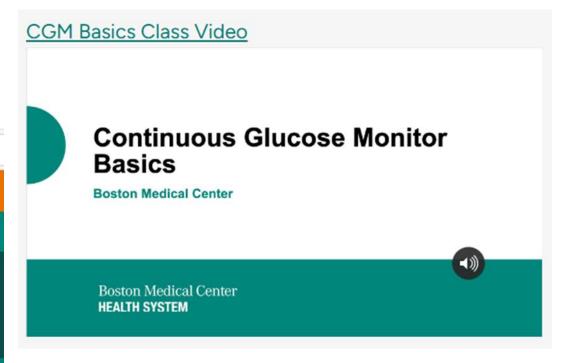
CGM Process Map



Change Ideas Primary Drivers CGM KDD FAQ sheet to help families understand CGM usage Create pictorial patient handouts. Send educational materials via Mychart Support patients who have Integration Issues with Peer support discuss benefits and shortfalls with CGM **Patient Education** Peer-to-peer opportunities for patients to hear patients. Standardize offering of training appointments from others about their technology experiences. Standardized videos with benefits of CGM Discuss CGM regularly at appointments Run prescribing reports and provide directed Train and educate clinical teams on CGM Use. Aim outreach and education for providers. **Provider Education** Increase the use of continuous glucose monitors (CGM) by 10% • Alternate phone or email options for families. Use of prior authorization specialist/ Pharm tech. for people with T2D by 12/31/24. Demonstrate Create reminders in mychart for refills Create a better follow up process/Schedule RPM. reduction in CGM **Improve Clinic** Discuss CGM regularly at appointments. • Call/text patient to know if they received CGM. disparities by 3% process for CGM Standardize conversations about technology. SDOH Screening and referral Patient Barrier Assessment survey • Community outreach by staff to help families. Coordinate with local PC practices to start CGM • Translate materials in other languages. • Limit patient "guidelines" for technology as much **Address Inequities** Translators available in clinic/virtual. as possible to avoid bias. Comparison chart for CGMs available to patients. Partner with Advocate with companies about phone CGM champions to navigate insurance barriers. vendors and payors compatibility issues. to support equitable Annual DSMES session to address global selfdevice access **Boston Medical Center** management/technology needs **HEALTH SYSTEM**

Created CGM Basics video with QR code link. CGM video is uploaded to BMC website. August 2023





Created CGM Basics video with QR code link. CGM video is uploaded to BMC website. August 2023

Patient facing flyer drawing awareness to CGM Basics video put in exam rooms. November 2023



FREE ONLINE CLASS! CONTINUOUS GLUCOSE MONITORING

A brief, virtual class on the Boston Medical Center website

Use this link below or scan the QR code:

https://www.bmc.org/diabetes/cgm-basics#cgm



Watch video at anytime!

Learn best practices for using your continuous glucose monitor

Answers to common questions you may have!



BOSTON MEDICAL CENTER732 Harrison Ave
Boston MA, 02118

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Requested CGM videos be translated in Spanish and Haitian Creole. February 2024

Printed information on CGM eligibility and placed in exam rooms. February 2024

CGM Requirements

MassHealth (and all ACO/Medicaid	Wellsense QHP (commercial)	<u>Medicare</u>	Commercial Insurances
plans, including Wellsense)			
For a diagnosis of diabetes: -Testing frequency: None required -Insulin frequency: At least one daily injection or insulin pump use -Additional requirements: A1c ≥ 7% or doesn't meet target treatment goal (If A1c is ≤ 7%, insurance will consider other factors such as frequent hypoglycemia, hypoglycemic unawareness, dawn phenomenon, pregnancy, or history of DKA) For a diagnosis of hypoglycemia due to a diagnosis other than diabetes: -Clinical rationale for use of CGM instead of glucometer & test strips	*Dexcom G7 is non-preferred and patient must have trial or contraindication to preferred CGMs For a diagnosis of diabetes: -Testing frequency: At least QID -Insulin frequency: Multiple daily injections or insulin pump (unless patient is unable to use insulin d/t physical, visual, or cognitive disability) -Additional requirements: A1c ≥ 7% or doesn't meet target treatment goal (If A1c is ≤ 7%, insurance will consider other factors such as frequent hypoglycemia, hypoglycemic unawareness, dawn phenomenon, pregnancy, or history of DKA)	To be eligible for coverage of a CGM and related supplies, the beneficiary must meet all of the following initial coverage criteria (1)-(5): 1. The beneficiary has diabetes mellitus 2. The beneficiary's treating practitioner has concluded that the beneficiary (or beneficiary's caregiver) has sufficient training using the CGM prescribed as evidenced by providing a prescription; and, 3. The CGM is prescribed in accordance with its FDA indications for use; and, 4. The beneficiary for whom a CGM is being prescribed, to improve glycemic control, meets at least one of the criteria below: A) The beneficiary is insulin-treated (at least one injection per day, any type of insulin and any amount) or, B) The beneficiary has a history of problematic hypoglycemia with documentation of at least one of the following: • (Recurrent (more than one) level 2 hypoglycemic events (glucose <54mg/dL (3.0mmol/L)) that persist despite multiple (more than one) attempts to adjust medication(s) and/or modify the diabetes treatment plan; or, • A history of one level 3 hypoglycemic event (glucose <54mg/dL (3.0mmol/L)) characterized by altered mental and/or physical state requiring third-party assistance for treatment of hypoglycemia	- The majority of commercial insurances will go through pharmacy benefit. May need PA. They change requirements often but for the most part they require patient to be a T1/T2 and Insulin treated.

Feel free to reach out to me with any questions you may have. Cassie.rehm@bmc.org

Created CGM Basics video with QR code link. CGM video is uploaded to BMC website. August 2023

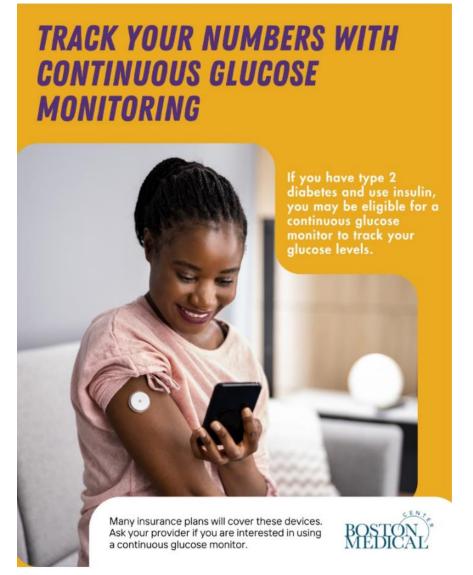
Patient facing flyer drawing awareness to CGM Basics video put in exam rooms. November 2023

Requested CGM videos be translated in Spanish and Haitian Creole. February 2024

Printed information on CGM eligibility and placed in exam rooms. February 2024

Created patient facing flyers to post in clinic to encourage CGM conversation with patient and provider. Distributed provider survey to assess barriers. June/July 2024

Flyer Placed in Waiting Areas – English & Spanish





Ask your provider if you are interested in using a continuous glucose monitor.

CGM Survey Ranking of Barriers

Patients meeting insurance eligibility criteria

Patient preference

Inadequate time to explain CGM during a clinic visit

Inconsistent patient follow up in clinic

Knowledge of insurance eligibility criteria

Insufficient availability of education for CGM use

Difficulty navigating coverage process (PA, DME, etc)

Comfort and confidence in using CGM and interpreting results

Created CGM Basics video with QR code link. CGM video is uploaded to BMC website. August 2023

Patient facing flyer drawing awareness to CGM Basics video put in exam rooms. November 2023

Requested CGM Basics videos be translated in Spanish and Haitian Creole. February 2024

Printed information on CGM eligibility and placed in exam rooms. February 2024

Created patient facing flyers to post in clinic to encourage CGM conversation with patient and provider. Distributed provider survey to assess barriers. June/July 2024

CGM eligibility criteria, clinic workflow, resources, and prescribing data reviewed at faculty meeting. October 2024

Created handout for RD CDCES to use with patients with QR code link to CGM video. November 2024

CGM Basics video in Spanish and Haitian Creole uploaded to BMC website. December 2024



Thank you to Trevon and UPMC for the idea for this handout!

What Are Continuous Glucose Monitors?



- Continuous glucose monitors (CGM) measure glucose 24 hours a day
- CĞM work through insertion of a small self applied sensor under the skin which is worn for up to 10-14 days

What are the benefits of CGM?

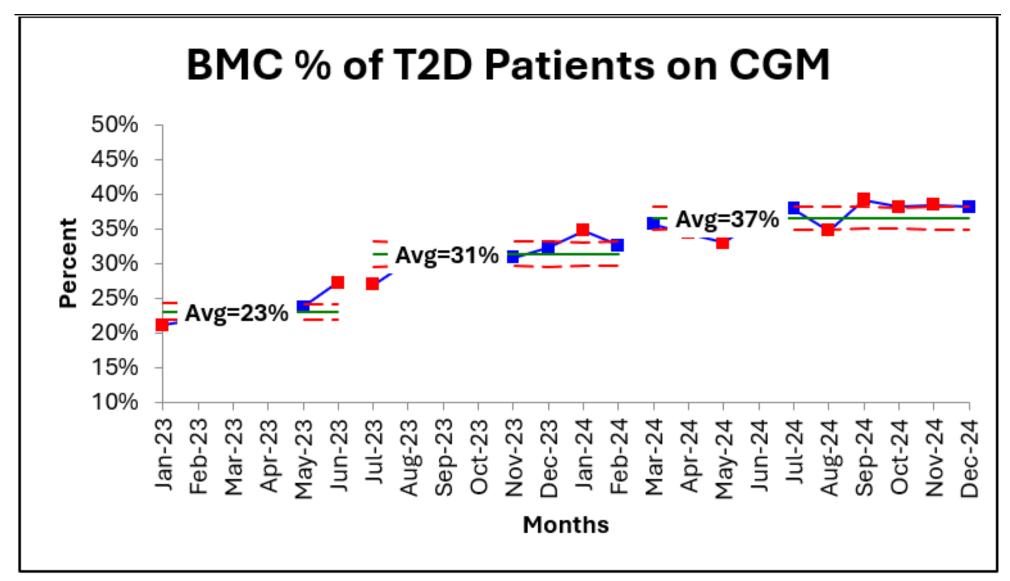
- When using CGM, you rarely have to do fingersticks to check your blood sugar
- See how different foods impact your glucose levels
- CGM gives you more information by telling you what your current glucose level is, how fast it is changing and what direction it is going

Is CGM right for you?

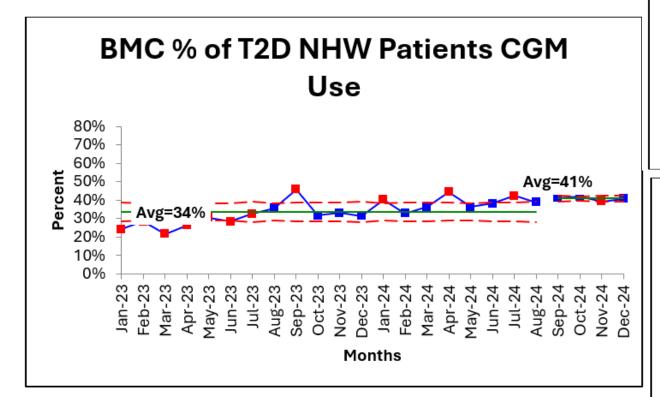
Talk with your diabetes care provider

Most insurance companies cover CGM if you use insulin injections at least once daily

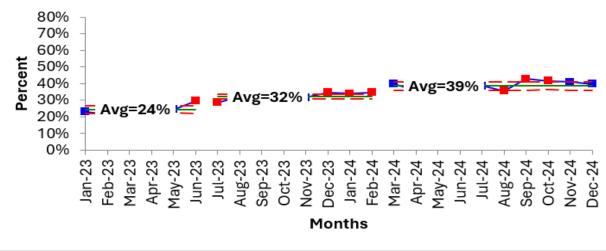
Ongoing Data



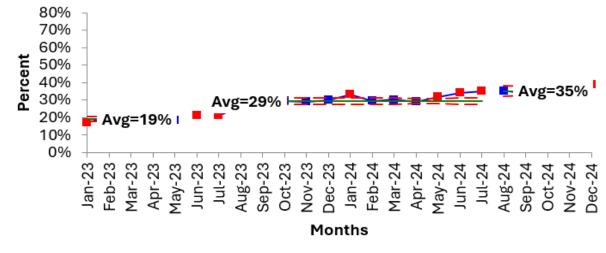
Ongoing Data



BMC % of T2D NHB Patients CGM Use



BMC % of T2D HIS Patients CGM Use



Upcoming PDSA Cycles

- Follow up with RD CDCES' use of the CGM handout
- Continuous Glucose Monitoring in-service for all BMC dietitians
- New monthly CGM classes
 - CGM basics
 - CGM & Nutrition

Lessons Learned

- Involve the broader community
 - Including patient perspectives early helped identify several interventions
 - What is obvious or easy for one person may not be to another
 - Others may have interest in involvement and skills to contribute!
- Data collection and review can help target interventions
 - BMC QI Hub essential to gathering data as data mapping not yet complete at BMC
- One step at a time
 - Avoids overwhelming people and resources and builds momentum
- Shared resources
 - Iteration and adaptation can help fit interventions to context