



Weill Cornell Medicine

Standardizing Inpatient Nursing Diabetes Education

T1DX-QI November Learning Session

Elizabeth Gunckle, CPNP-PC, CDCES

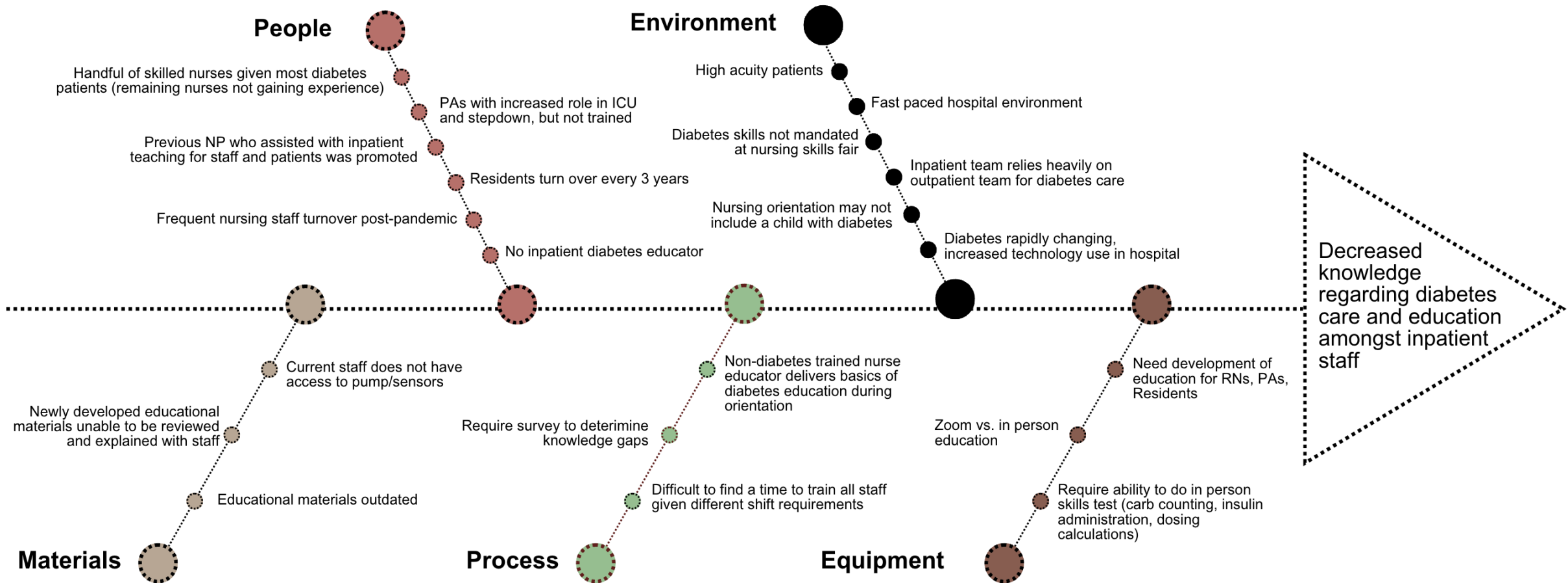
Emily Coppedge, CPNP-PC, CDCES

Weill Cornell Medicine - Pediatric Endocrinology

November 11, 2024

Background and Objectives

- Pediatric patients and families with newly diagnosed Type 1 Diabetes (T1D) require significant education
- Our inpatient nurses serve as key drivers in our new onset diabetes education
- A survey of our nurses revealed various knowledge gaps in diabetes care and education
- Aim: after 3 education sessions, inpatient nurses will report increased comfort levels in providing inpatient diabetes education



Methods




- Revamping PEET (Pediatric Endocrine Education Taskforce)



- Recruitment of pediatric "diabetes champions"




- Qualtrics survey to assess comfort levels for diabetes topics



- Identified areas of concern: carb counting, insulin dosing, and providing general diabetes education



- Creation of three 1-hour presentations on above topics



- Post-intervention Qualtrics survey (for those who attended all 3 classes)

Education Sessions

- Three 1-hour long education sessions held over Zoom
 - Each session offered at two different times to accommodate shifts

SESSION 1

- Diabetes pathophysiology
- T1D vs T2D
- Goals of inpatient education
- Blood glucose monitoring

SESSION 2

- Insulin storage and needle disposal
- Giving injections
- Types of insulin
- Diabetes "diets"
- **Carbohydrate counting**
- **Rapid-acting insulin dose calculation**

SESSION 3

- Hypo/hyperglycemia
- Sick day management
- Exercise and diabetes
- Technology
- Family Screening
- Typical family questions

A Closer Look at Session 2

- 8 questions specifically dedicated to carb counting
- Photos of plates provided
- Polls launched to submit answers (multiple choice or fill in the blank)
- Did not proceed to the answer until all participants submitted their responses
- Result revealed and discussed

Carb Counting Practice

About how many carbs are in the following?

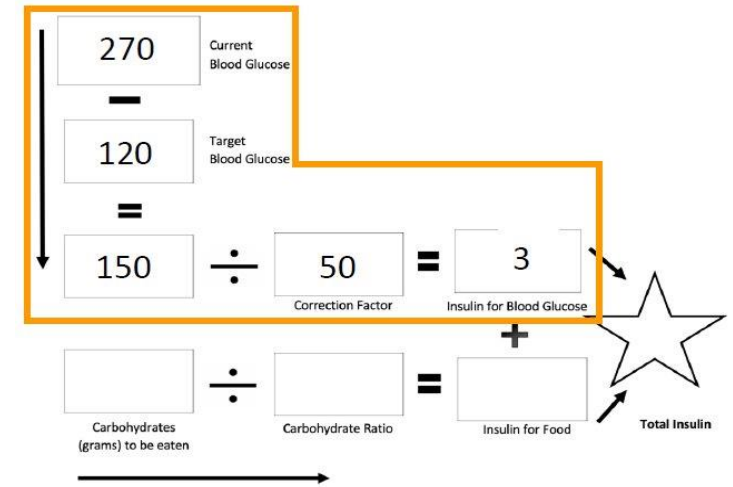
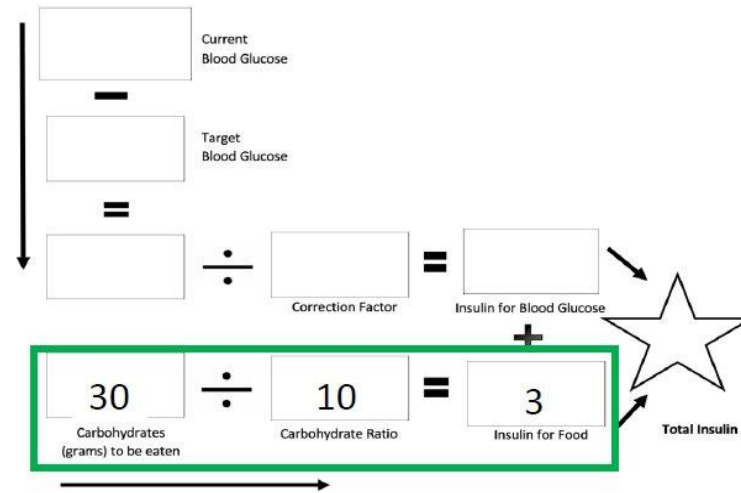
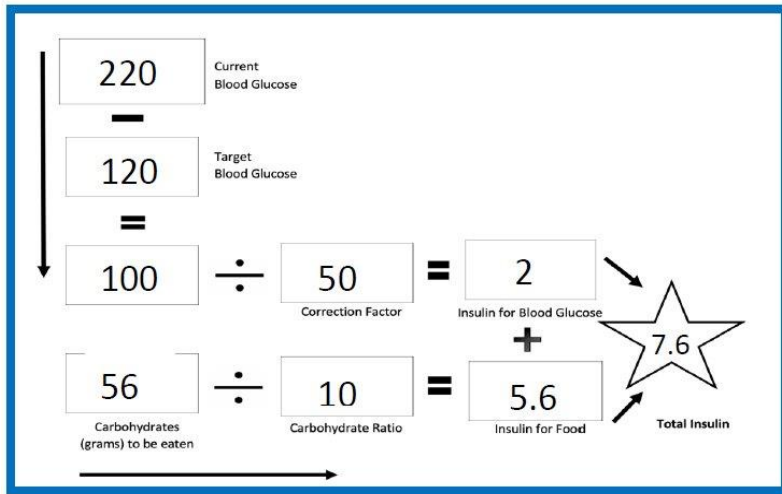
2 slices of toast, 1/3 of an avocado, 1/2 banana, peanut butter, 1 hardboiled egg

- A. 0 to 5 grams
- B. 10 to 20 grams
- C. 30 to 50 grams**
- D. 70 to 80 grams



A Closer Look at Session 2

- 3 questions were commonly encountered practice scenarios
 - Carbs + correction
 - Carbs only (reinforcing the 3-hour rule)
 - Correction only
- Similar format with launched polls and waiting for all to respond

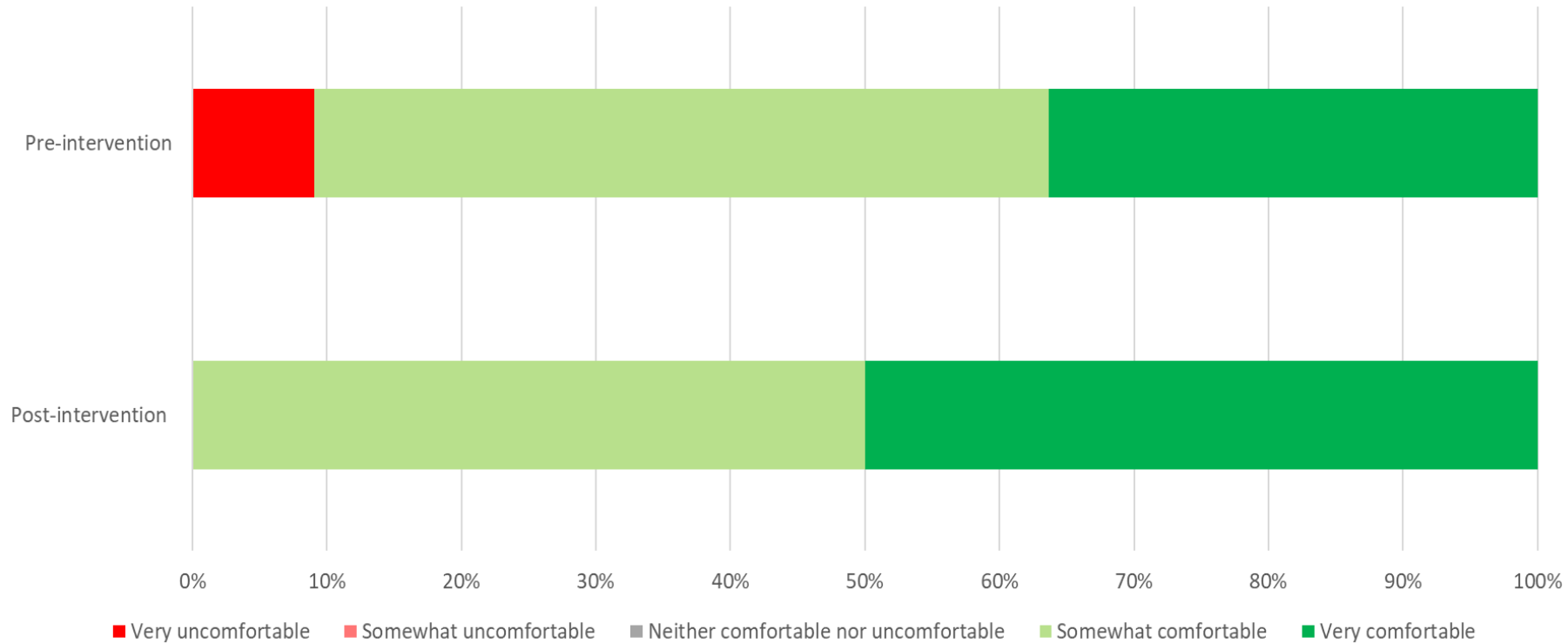


Results

- 11 participants completed the initial survey
- 4 participants completed the post survey
- We evaluated the changes in comfort level for the following topics:
 - Answering patient questions about carb counting
 - Answering patient questions about insulin
 - Providing diabetes education to patients and families

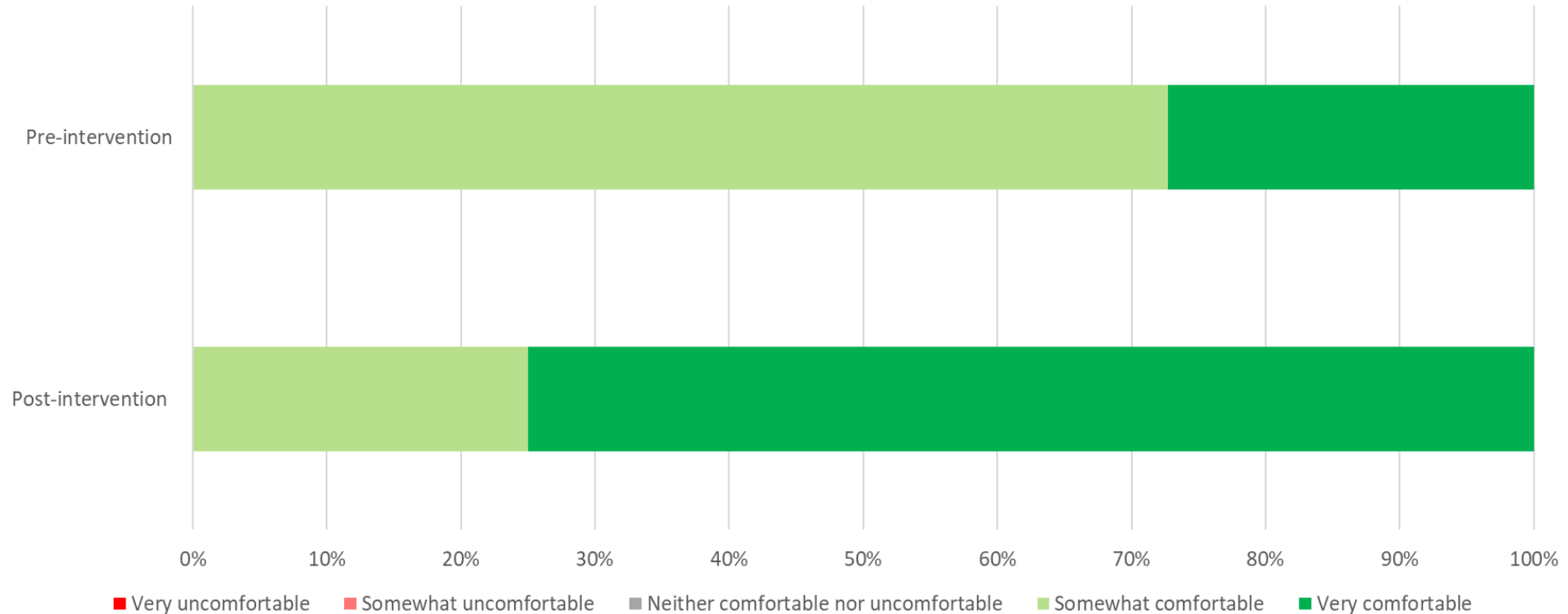
Results – Answering Patient Questions About Carb Counting

- Average comfort levels:
 - Pre: 4.09 out of 5
 - Post: 4.5 out of 5



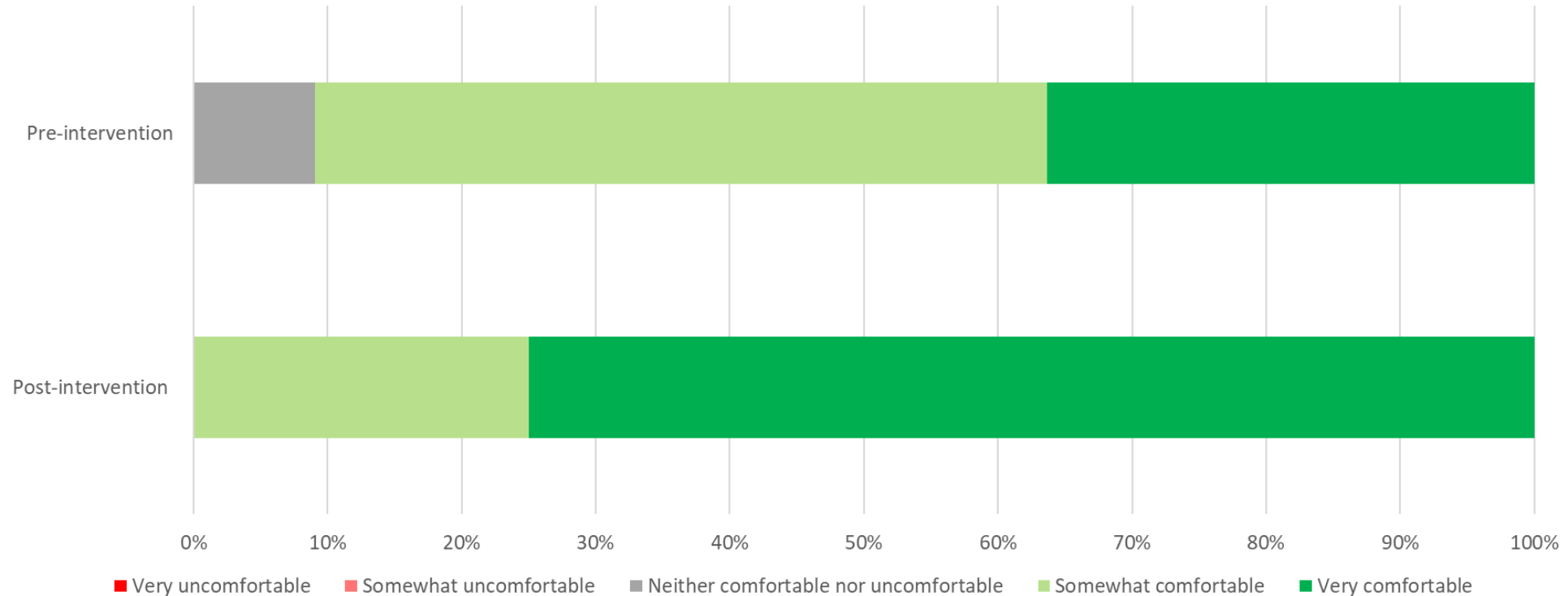
Results – Answering Patient Questions About Insulin

- Average comfort levels:
 - Pre: 4.27 out of 5
 - Post: 4.75 out of 5



Results – Providing Diabetes Education to Patients and Families

- Average comfort levels:
 - Pre: 4.27 out of 5
 - Post: 4.75 out of 5



Challenges and Limitations

- Limited sample size
- "Buy in" from nursing - this is on their own time and not a requirement
- Scheduling - few nurses able to attend 3 out of 3 sessions
- Limited resources – no protected time for inpatient nursing education in outpatient NP schedules
- Expandability - current design requires significant legwork with low number of attendees per session

Conclusions

- Focused teaching increased inpatient nursing comfort in providing diabetes education in all 3 identified problem areas
- Live polls allowed for us to identify knowledge gaps that may have otherwise been missed and to provide real-time feedback
- This style of diabetes education should be incorporated by the hospital nursing educator in new nursing orientation
- Addition of diabetes education skills to inpatient pediatric RN core competencies should be considered
- Future ideas:
 - Quarterly refresher classes
 - Appointment of PICU Lead Diabetes Champion
 - Inclusion of other disciplines (residents, PAs, etc.)

Questions?

elg4011@med.cornell.edu



Weill Cornell Medicine



Quality Improvement New Tools and Methods

2024 QI Learning Conference – Chicago, IL

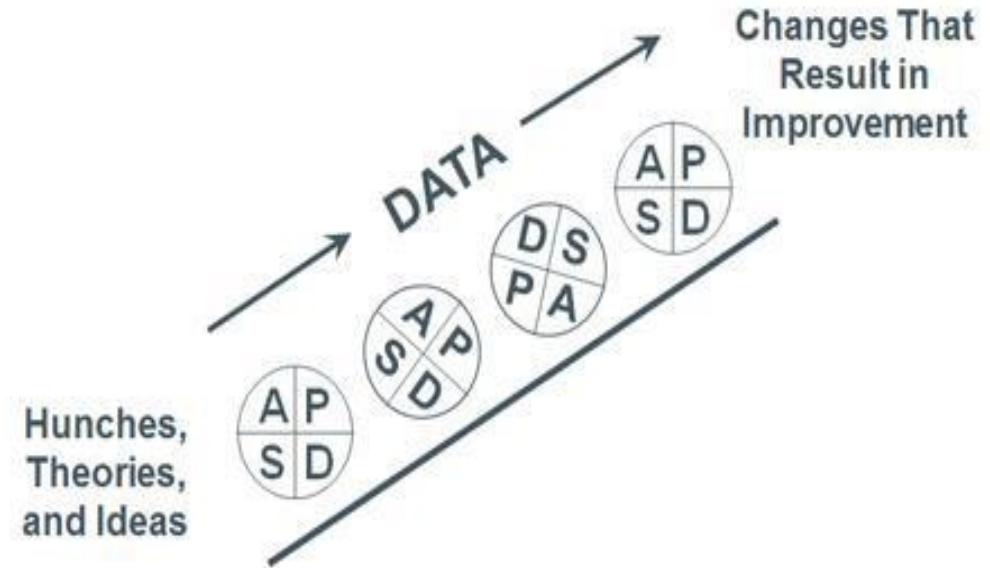
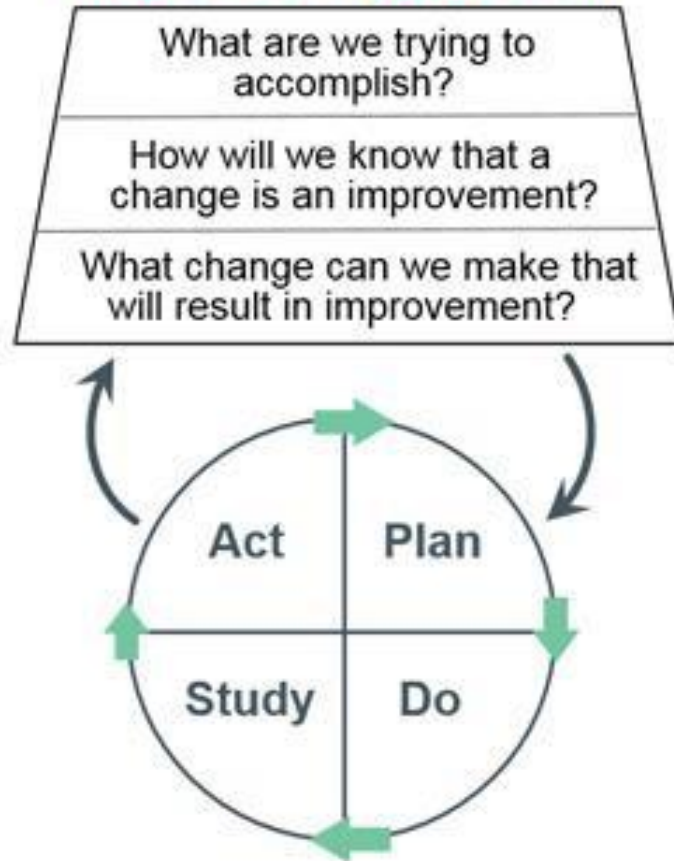
Don Buckingham, Sr. – MBOE, CPHQ, CLSSBB

Learning Objectives

- “Improving Improvement” – using a familiar **Reproducible Method**
- Beginning a **Strategic Planning Process**
- Prioritizing Initiatives – **Effort/Impact Matrix Tool**
- Assessing Project Readiness / Reliability – **sFMEA Tool**

Reproducible Method for Improving Improvement*

Model for Improvement



Source: *The Improvement Guide*, p. 103

* *Institute for Healthcare Improvement*

STRATEGIC Planning Tool

30+ QI Project Ideas

Strategic Aim

Among people with T1D,* increase proportion of patients achieving glycemic targets:

- At least 25% with A1c <7%, OR
- Increase proportion of patients A1c <7% by 5%, OR
- Increase TIR among CGM users by 5% from baseline in 2 years.

*Duration > 1 year, ages 1-25, with at least one in-person or telemedicine visit in the last year

8 Initiatives



- | | |
|--|--|
| <ul style="list-style-type: none"> • Patient Education on diet, exercise, transition, device use and self management habits • Education to reduce DKA events/admission, 4X glucose check education | <ul style="list-style-type: none"> • Set small patient- and provider-selected goals with clear action step • Working with families as well as providers |
| <ul style="list-style-type: none"> • Referral to nutrition therapy/guidance • Physical activity coaching • Peer support groups | <ul style="list-style-type: none"> • New onset classes • Accessibility to translated materials |
| <ul style="list-style-type: none"> • Use data registries to support population health • Use EMR templates | <ul style="list-style-type: none"> • Incorporate QI measures or flow sheets |
| <ul style="list-style-type: none"> • Culturally Competent Care • Catalogue of community resources • Train staff about SDOH | <ul style="list-style-type: none"> • Documenting barriers to care (housing, transportation, food, etc.) |
| <ul style="list-style-type: none"> • Insulin / monitoring /nutrition interactions • Coach >4 checks/day (for non CGM patients) • Test new workflows to improve device use • Use workflows to improve device documentation • Advertise CGM in waiting rooms, etc. | <ul style="list-style-type: none"> • Device data reviews and interpretation, staff troubleshoot device • Provide contact information for device reps/patient support • Assure Equity in access and utilization capability |
| <ul style="list-style-type: none"> • READDY questionnaire | <ul style="list-style-type: none"> • Partner with adult clinic for hand-off |
| <ul style="list-style-type: none"> • Follow up with LTFU patients (not seen for > 180 days); regular follow up (phone/email/text/televisit) | <ul style="list-style-type: none"> • Improve scheduling process • Make appointments longer/have a multidisciplinary team (seeing a CDE/SW/RD) |
| <ul style="list-style-type: none"> • Conduct mental health screening and referrals (i.e. depression, FOH, diabetes distress) • Improve psychosocial support/train providers • MyChart message for questionnaires, PROs, high-risk patients | <ul style="list-style-type: none"> • Create workflow for positive patients who needs referral • Screen for QOL (compare control of people using CGM vs no CGM) |

Prioritization: Effort Impact/Matrix Tool

8 Initiatives from Strategic Planning Tool

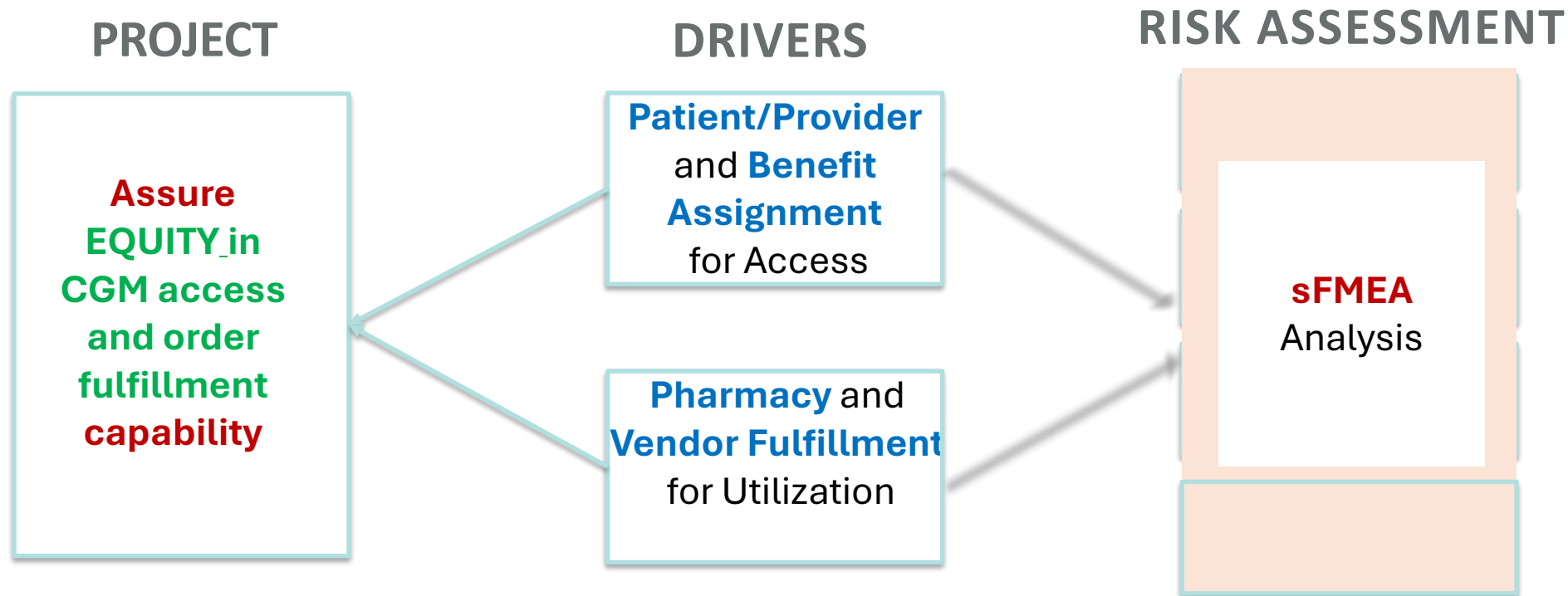
- ① Health Literacy Education and Support
- ② Use of Data
- ③ Insulin Therapy – Technology Use
- ④ Social Determinates of Health
- ⑤ **Glucose Monitoring**
- ⑥ Transition to Adult Care
- ⑦ Access to In-person / Virtual Care
- ⑧ Psychological Support

	Effort L/H	Impact L/H
①	L	H
②	H	H
③	L	H
④	H	H
⑤	L	H
⑥	L	H
⑦	L	H
⑧	H	H

	Relative to Human Resources, Technology, etc.	
	Low Effort	High Effort
High Impact	① More Direct Control ③ ⑤ ⑥ ⑦	② Less Direct Control ④ ⑧
Low Impact	[Not Strategic]	[Not Strategic]

Initiative #5 – Glucose Monitoring Ideas

- Insulin / monitoring /nutrition interactions
- Coach >4 checks/day (for non CGM patients)
- Test new workflows to improve device use
- Use workflows to improve device documentation
- Advertise CGM in waiting rooms, etc.
- Device data reviews and interpretation, staff troubleshoot device
- Provide contact information for device reps/patient support
- **Assure Equity in access and utilization capability = PROJECT**



sFMEA[©]

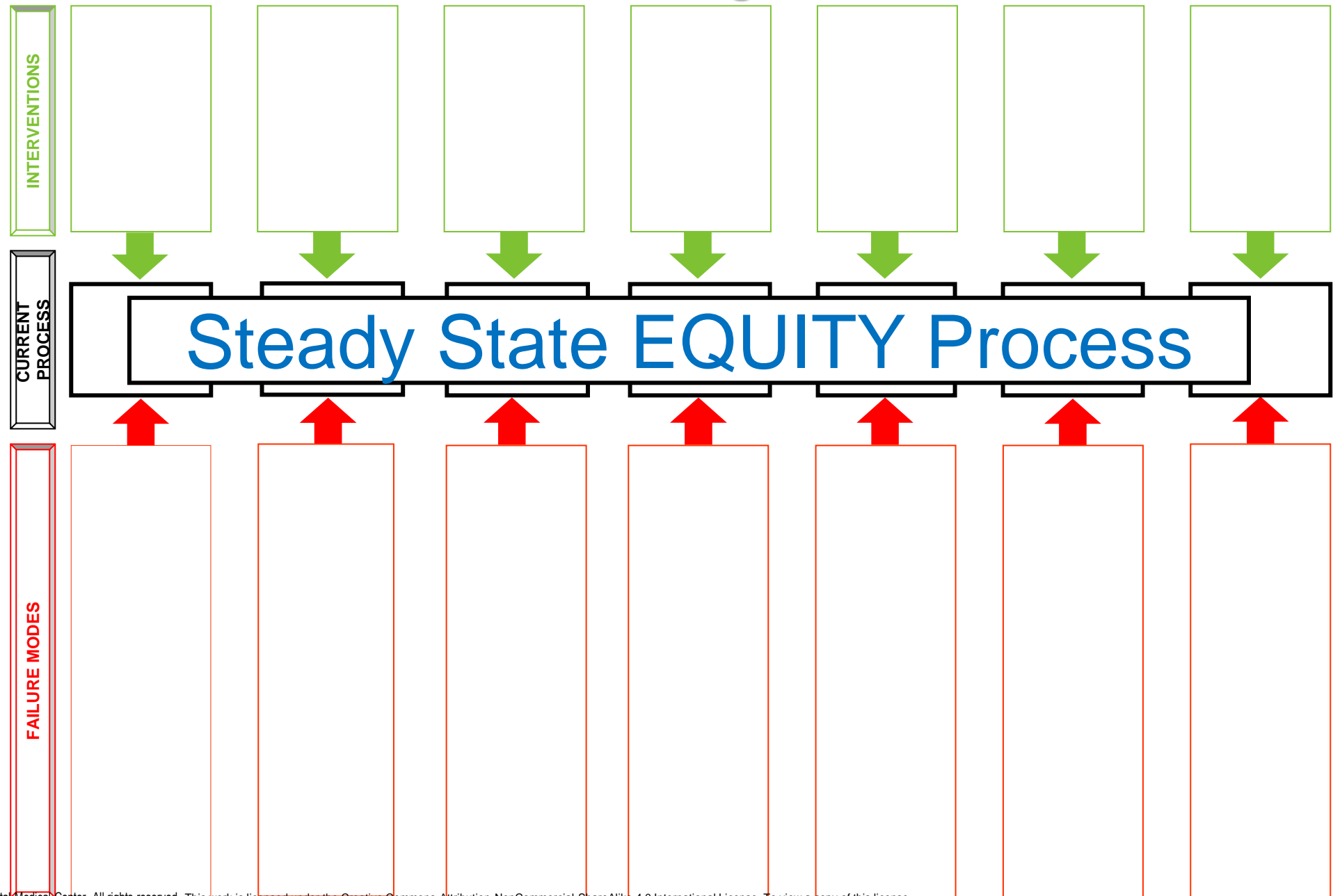


Simplified Failure Modes Effects Analysis (sFMEA)

- A systematic method to identify process problems/breakdowns that may result in the inability to achieve desired outcomes
- It can be used on new or existing processes
- Use a high-level process map
- Document possible failures for each process step in the **red boxes (failure modes)**
- Document potential interventions to mitigate failure modes in the **green boxes (interventions)**. These are possible ideas to test via Plan-Do-Study-Act (PDSA) cycles
- Identify failures related to inequities where present; Identify corresponding potential intervention

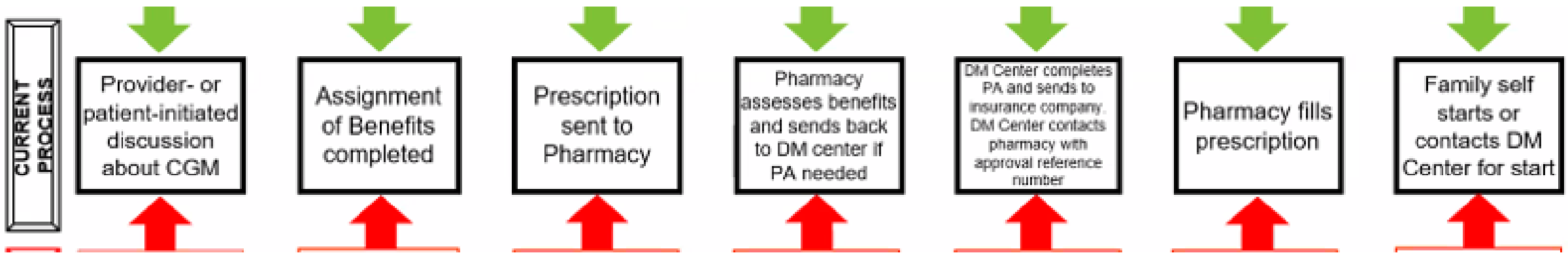
- 3 Interventions
- 1 Current process from High-Level Process Map
- 2 Failure Modes

“Force Field” Diagram Tool

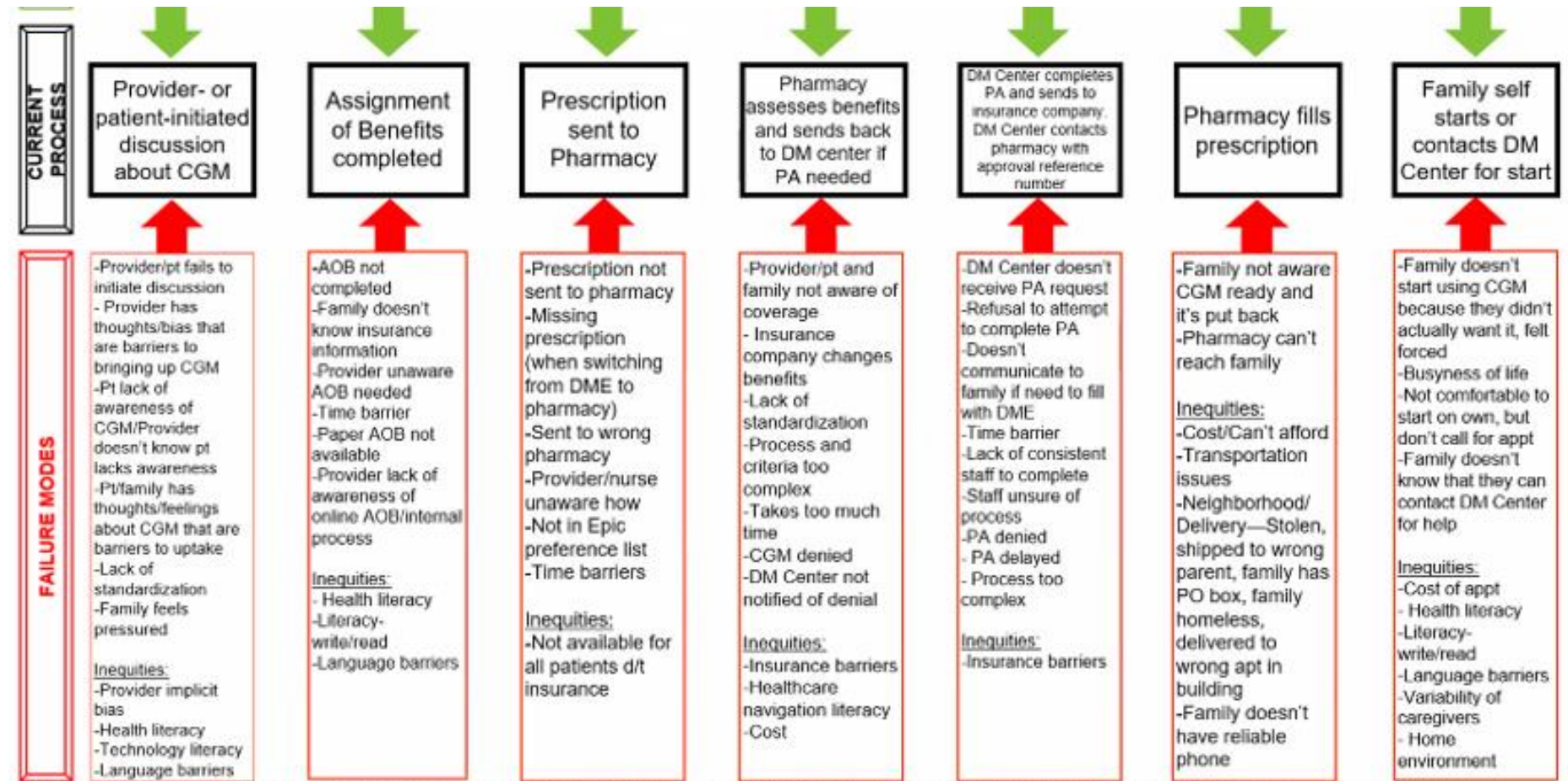


Steady State for EQUITY: Chart the current process

Lots of internal and external “hand-offs” = multiple delays and failure opportunities

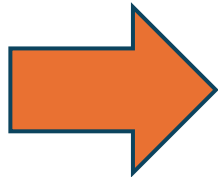


Steady State for EQUITY: Discover existing and/or possible failure modes / pareto effect

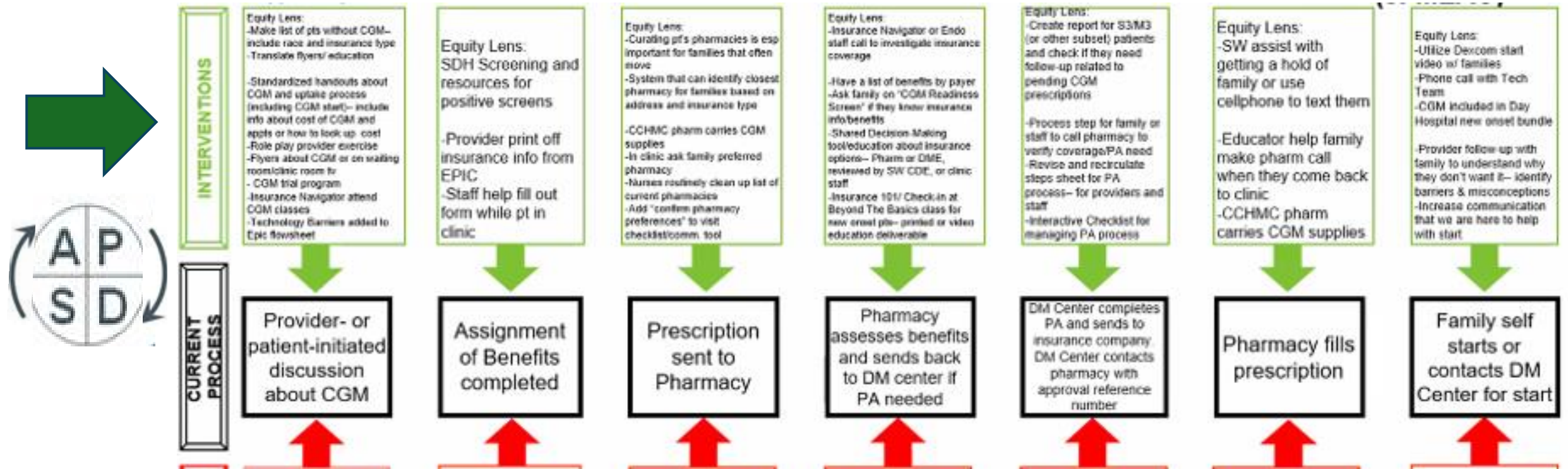


How do you use an sFMEA?

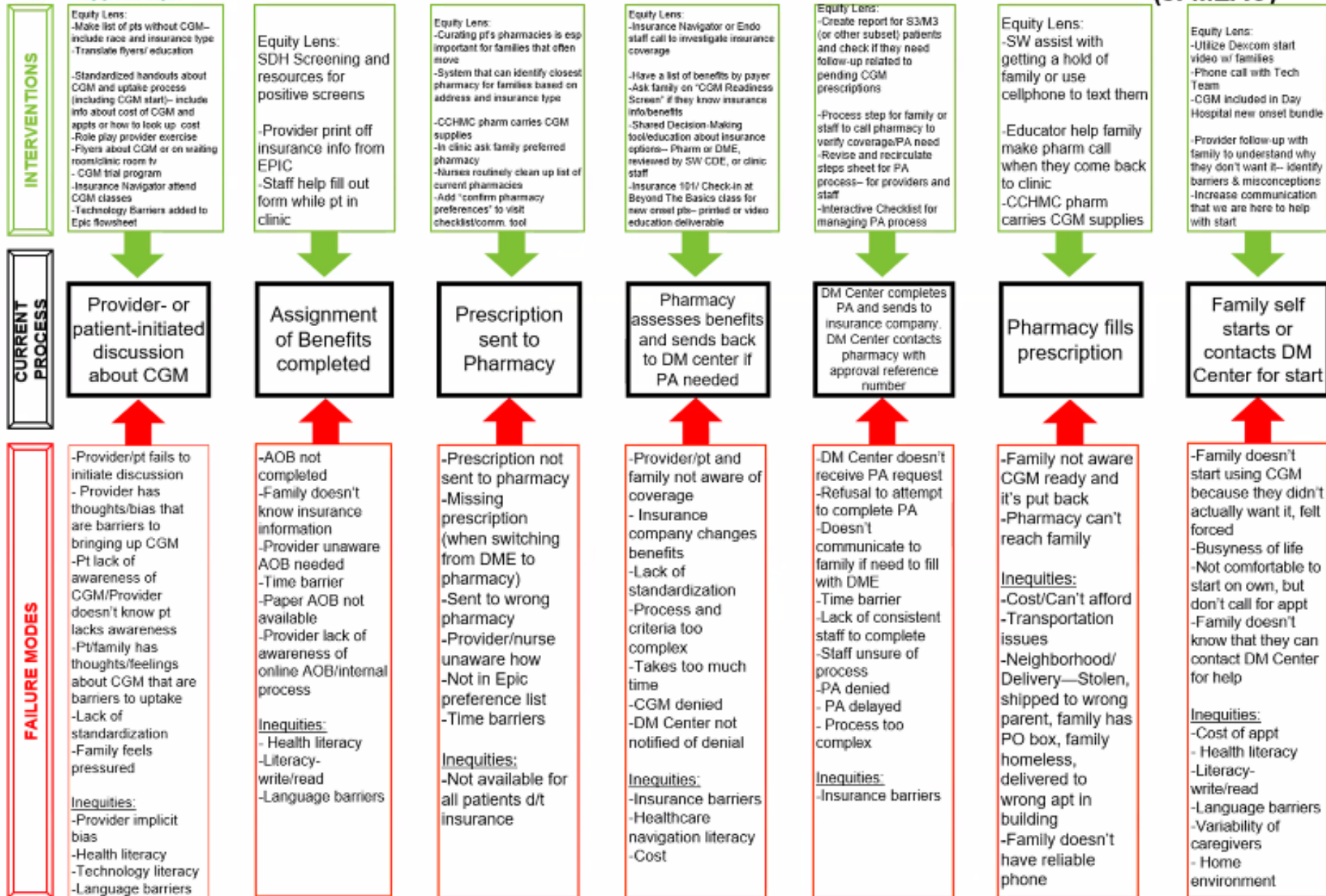
- Collect data of failures of breakdowns
- Frequency of breakdowns
- Failure data into Pareto Chart
- Prioritize how **critical** each breakdown/failure is regarding its **effect on achieving the desired outcome**
- Helps identify interventions to test



Steady State for EQUITY: Brainstorm interventions to test for improvement



T1Dx CGM Equity Project (Pharmacy Process)-- Simplified Failure Mode Effects Analysis (sFMEA®)



Simplified Failure Modes Effects Analysis (sFMEA)

- A systematic method to identify process problems/breakdowns that may result in the inability to achieve desired outcomes
- It can be used on new or existing processes
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- Document possible failures for each process step in the **red boxes (failure modes)**
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- Identify failures related to inequities where present; Identify corresponding potential intervention



Appreciation and Acknowledgement

- Special thanks to ...

- **Cincinnati Children's Hospital Medical Center**

 - James M. Anderson Center for Health Systems Excellence**

 - **Sarah Corathers, MD** -- Clinical Director, Division of Endocrinology

 - **Amy Grant, DNP, RN, CPN** -- Senior Clinical Quality Specialist

 - ... for sharing the Strategic Planning method and sFMEA[®] tool



Quality Improvement New Tools and Methods

Thank you!
Discussion?





T1D
Exchange

T1DX-QI Pre-symptomatic T1D Screening and Monitoring Efforts

Emma Ospelt MPH

Pre-Symptomatic T1D Screening and Monitoring Project- Project Team



Co-Principal Investigator
Chief Medical Officer
Osagie Ebekozen, MD, MPH



Co-Principal Investigator
Laura Jacobsen, MD



Co-Principal Investigator
Carla Demeterco-Berggren, MD,
Ph.D.



Senior Data Analyst,
Emma Ospelt, MPH



Senior QI Consultant,
Don Buckingham, Sr., MBOE,
CPHQ



Senior Director of Clinical
Partnerships
Nicole Rioles, MA

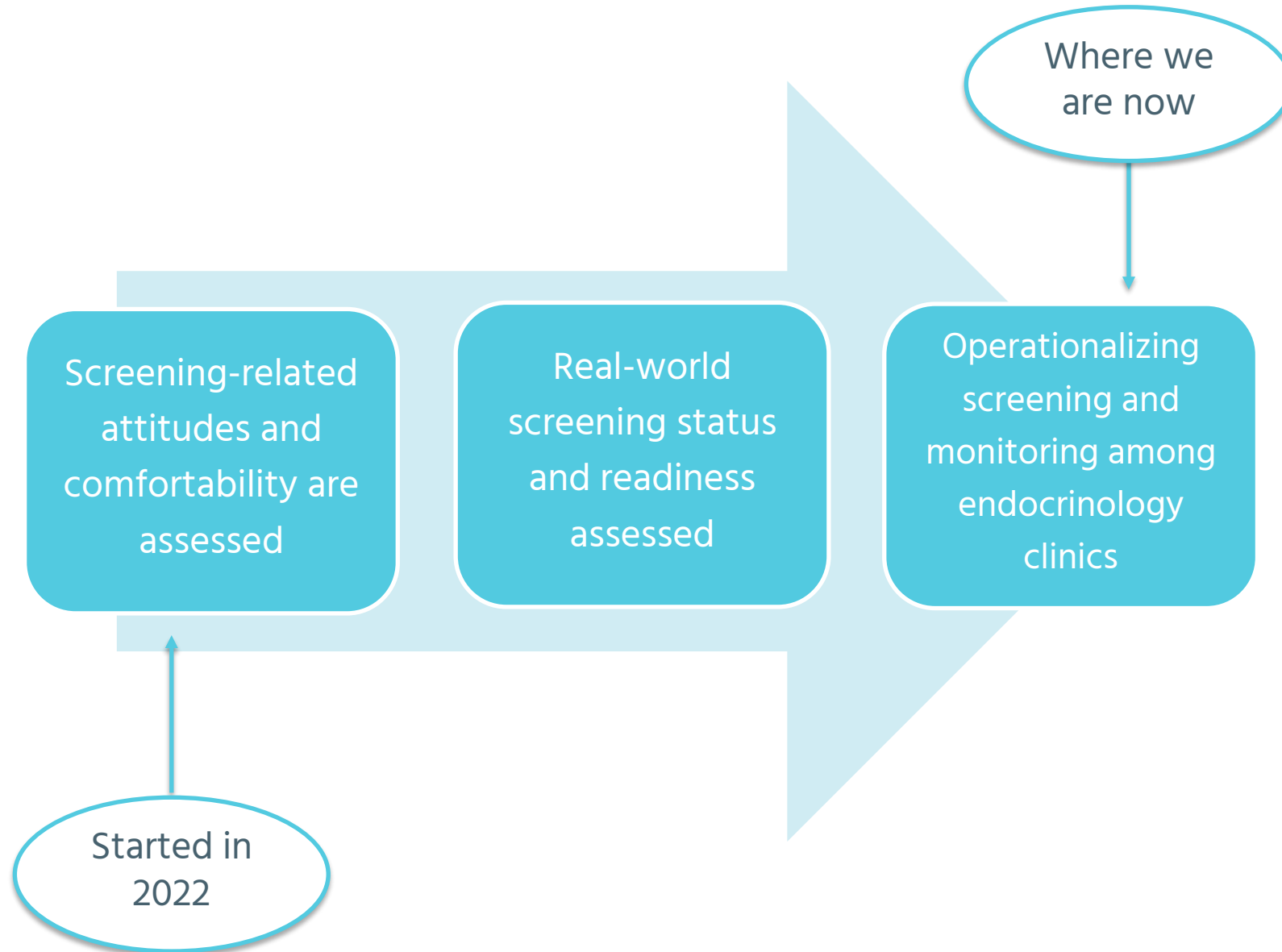


Senior Quality
Improvement Analyst
Trevon Wright, MHA

Background

- Screening for diabetes-related autoantibodies can inform patients' risk of developing Type 1 Diabetes (T1D) before the onset of clinical symptoms.¹
- Screening provides the opportunity for early disease management, allowing patients to obtain more education before diagnosis and preventing diabetic ketoacidosis (DKA).¹
- In November 2022, the FDA approved Teplizumab as the first disease-modifying therapy in T1D.² Screening helps to identify eligible individuals for this therapy.
- As screening initiatives become more broadly implemented, they will identify high-risk individuals in the early stages of the disease and either provide a stage-specific intervention or offer clinical trial opportunities.³
- These individuals will need monitoring for disease progression, and newly published consensus monitoring guidelines provides this framework.⁴

An Overview of T1DX-QI's Screening and Monitoring Efforts



Barriers and Facilitators to Screening

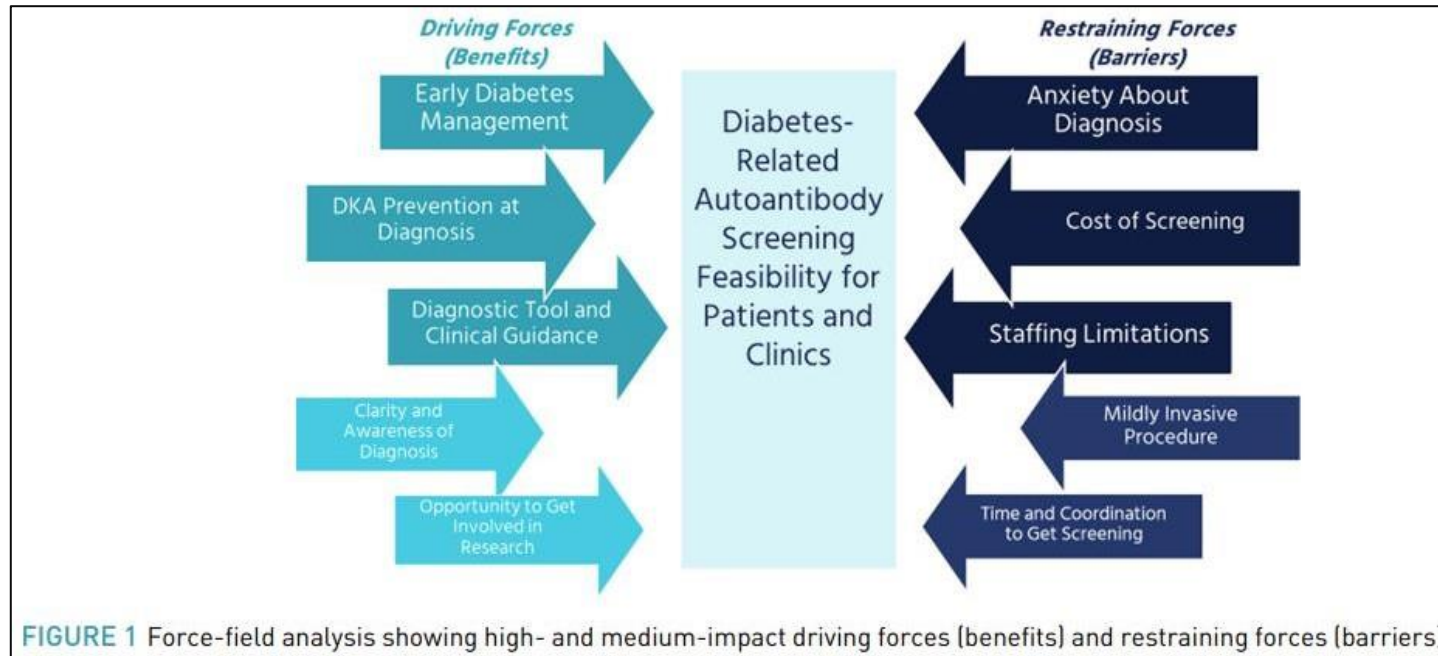
- A paper highlighting provider attitudes and awareness of screening, and facilitators and barriers to screening in an endocrinology setting was published in January 2024 in Clinical Diabetes

FEATURE ARTICLE

Check for updates


Understanding Providers' Readiness and Attitudes Toward Autoantibody Screening: A Mixed-Methods Study

Emma Ospelt,¹ Holly Hardison,¹ Nicole Riales,¹ Nudrat Noor,¹ Ruth S. Weinstock,² Kristina Cossen,³ Priyanka Mathias,⁴ Allison Smego,⁵ Nestoras Mathioudakis,⁶ and Osagie Ebekoziem,^{1,7} on behalf of the T1D Exchange Quality Improvement Collaborative



Highlighting Real-World Status of Autoantibody Screening

- Abstract presented at ADA, 2024 highlighting the real-world status of autoantibody screening and teplizumab administration readiness among T1DX-QI centers.
- A survey was administered from July to September 2023 to 55 participating centers.
- 50 centers completed; 68% were pediatric centers and 32% were adult centers.



T1D Exchange

American Diabetes Association
84th SCIENTIFIC SESSIONS
ORLANDO, FL | HYBRID | JUNE 21-24, 2024

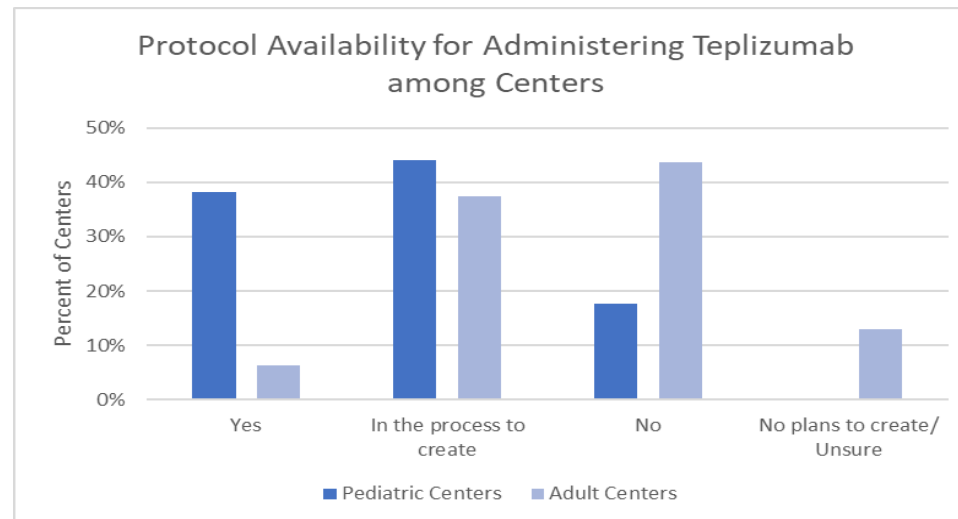
Real-World Status of Autoantibody Screening and Teplizumab Administration Readiness among centers participating in the T1D Exchange Quality Improvement Collaborative (T1DX-QI)

Authors: Carla Demeterco-Berggren, MD, PhD^{1,2}, Laura M. Jacobsen, MD³, Ines Guttman-Bauman, MD, MCR⁴, Emma Ospelt, MPH⁵, Allison Smego, MD⁶, Tamara S. Hannon, MD⁷, Grazia Aleppo, MD⁸, Abha Choudary, MD⁹, Jenise C. Wong, MD PhD¹⁰, Osagie Ebekozien, MD, MPH, CPHQ^{5,11}
on behalf of the T1D Exchange QI Collaborative

Affiliations: 1) Rady Children's Hospital, San Diego; 2) University of California San Diego; 3) University of Florida Departments of Pediatrics & Pathology; 4) Oregon Health & Science University Hospital; 5) T1D Exchange; 6) University of Utah, Intermountain Health; 7) Indiana University School of Medicine; 8) Feinberg School of Medicine, Northwestern University; 9) University of Texas Southwestern Medical Center; 10) University of California, San Francisco; 11) University of Mississippi School of Population Health

Survey Findings

- 68% of centers had not made any substantive changes to T1D screening practices since the FDA approval of teplizumab.
- Pediatric centers were more prepared to administer teplizumab, with the majority developing and implementing a protocol, in comparison to adult centers (Figure 1).
- Of the centers that had adjusted their screening practices, most developed more specific guidelines and workflows to screen first-degree relatives of people with T1D.
- There was no standard screening laboratory among adult and pediatric centers.



QI Project to operationalize Pre-Symptomatic Screening

- 6 pediatric centers are participating
- **Project aims:**
 1. Increase by at **least 15%** (from baseline) the proportion of people screened for T1D in 18 months (June 2024-December 2025)
 2. Increase by at **least 30%** (from baseline) the proportion of eligible people monitored for progression to stage 3 T1D over 18 months (June 2024-December 2025)

Driver Diagram

Project AIMS

Increase by at least 15% (from baseline) the proportion of people screened for T1D in 18 months (June 2024-December 2025)

Increase, by at least 30% (from baseline,) the proportion of eligible people monitored for progression to stage 3 T1D over 18 months. (June 2024 -December 2025)

Key Drivers

Workflow

Equity

Equipment

Education

Interventions

- Education for Families on benefits of Screening for patients and families, including new onset binder, flyers posted in clinic, bulk MyChart message.
- PCP education on T1D screening, staging, and prevention.
- Multimodal education on T1D screening

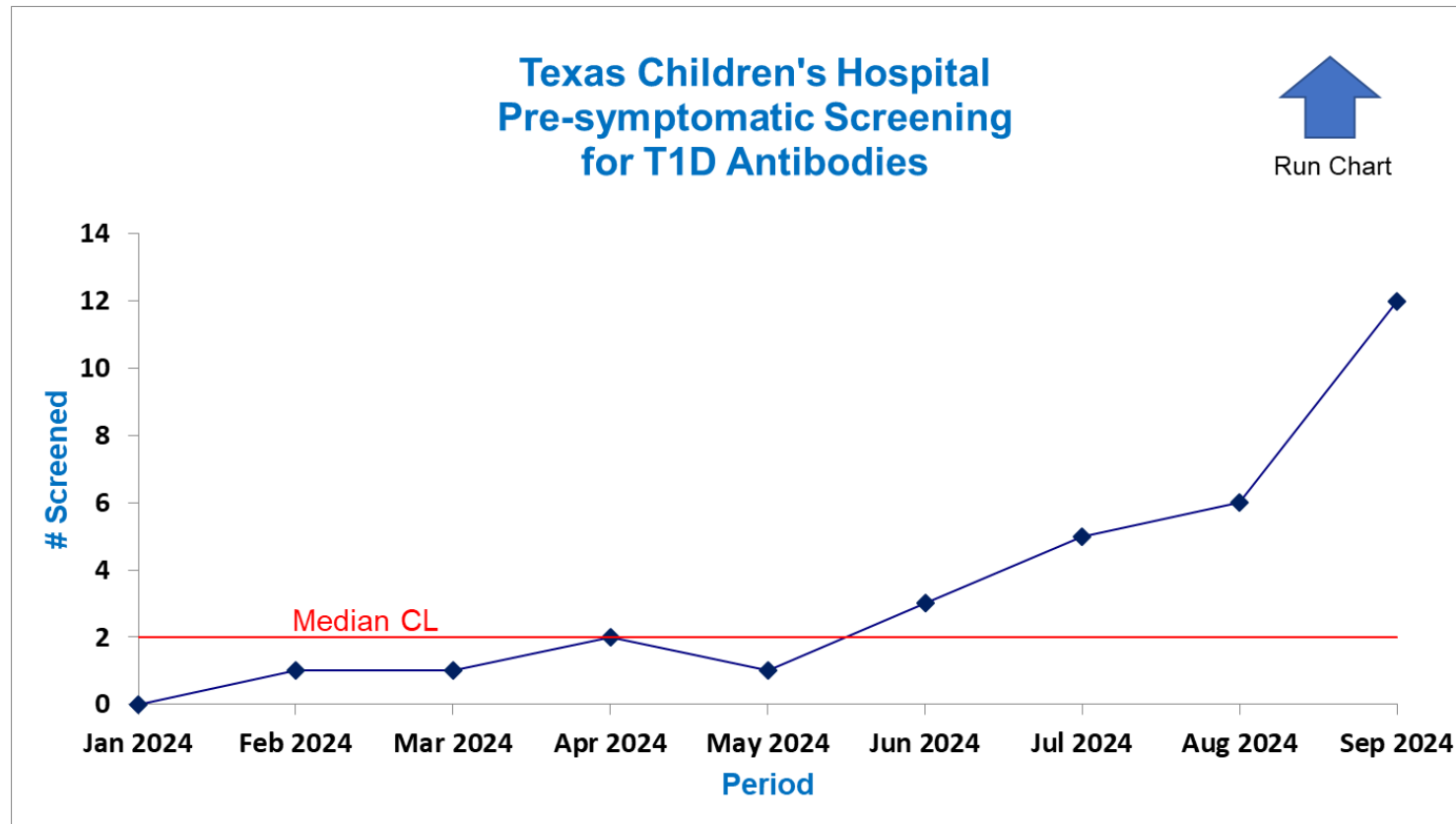
- Create specific T1D screening and staging as a referral link
- Develop consensus guidelines for screening
- Mychart message to current T1D patients.
- Develop and implement succinct policies and procedures (e.g. outline specific screening guidelines, streamline processes to improve patient follow-up.
- Increase the number of appropriate Early-stage clinic (ESC) visits (in-person and virtual) from the referral pool.
- Dedicated Screening Appt Slots (telemedicine and in-person).

- Create T1Delay flowsheet/power form within EMR system.
- Increase the availability of Point-of-care (POC) IAAb screening kits in the outpatient Methodist diabetes clinic.
- Offer ASK and Trial Net resources to patients.
- Revamp referral mechanism for pre-diabetes to schedule patients with normal BMI in T1D screening clinic.

- Help with navigating insurance requirements
- Advocacy
- Develop, translate, and disseminate screening education materials for patients.
- Increase awareness of T1D IAAb screening for families of established T1D patients in our outpatient clinic.

Pilot Project Preliminary Findings

- **214** individuals have been screened so far among all 6 centers.
- First degree relatives are prioritized for initial screening efforts.
- This project continues through December of 2025.

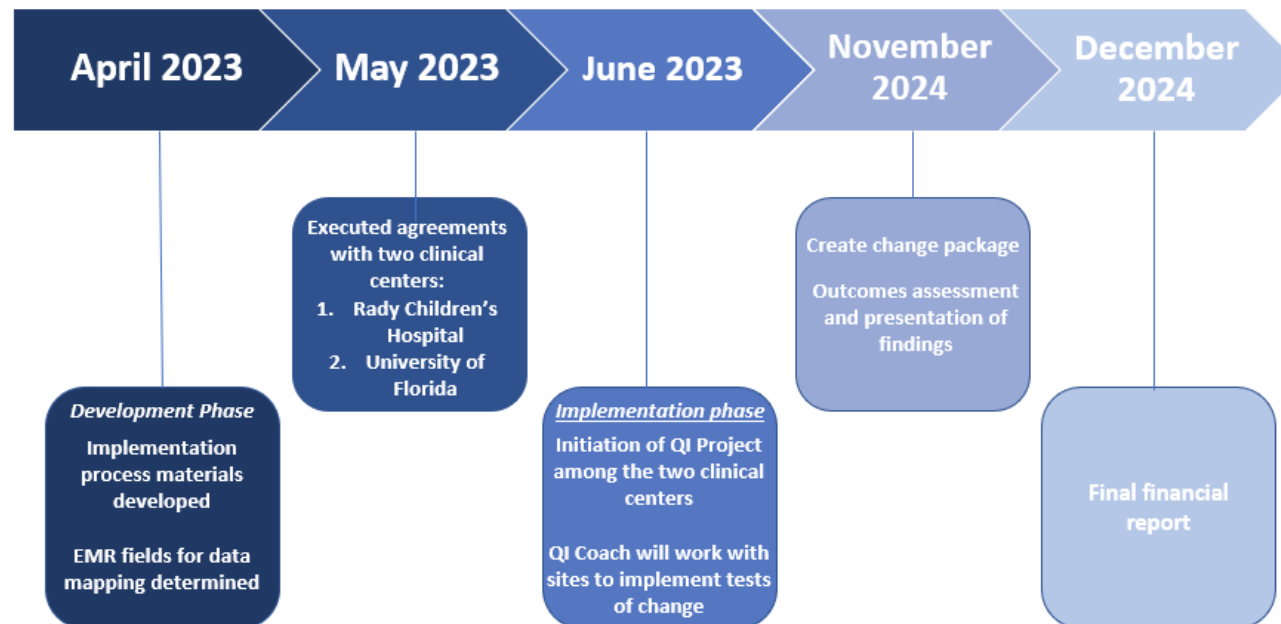


Pre-Symptomatic T1D Monitoring Pilot

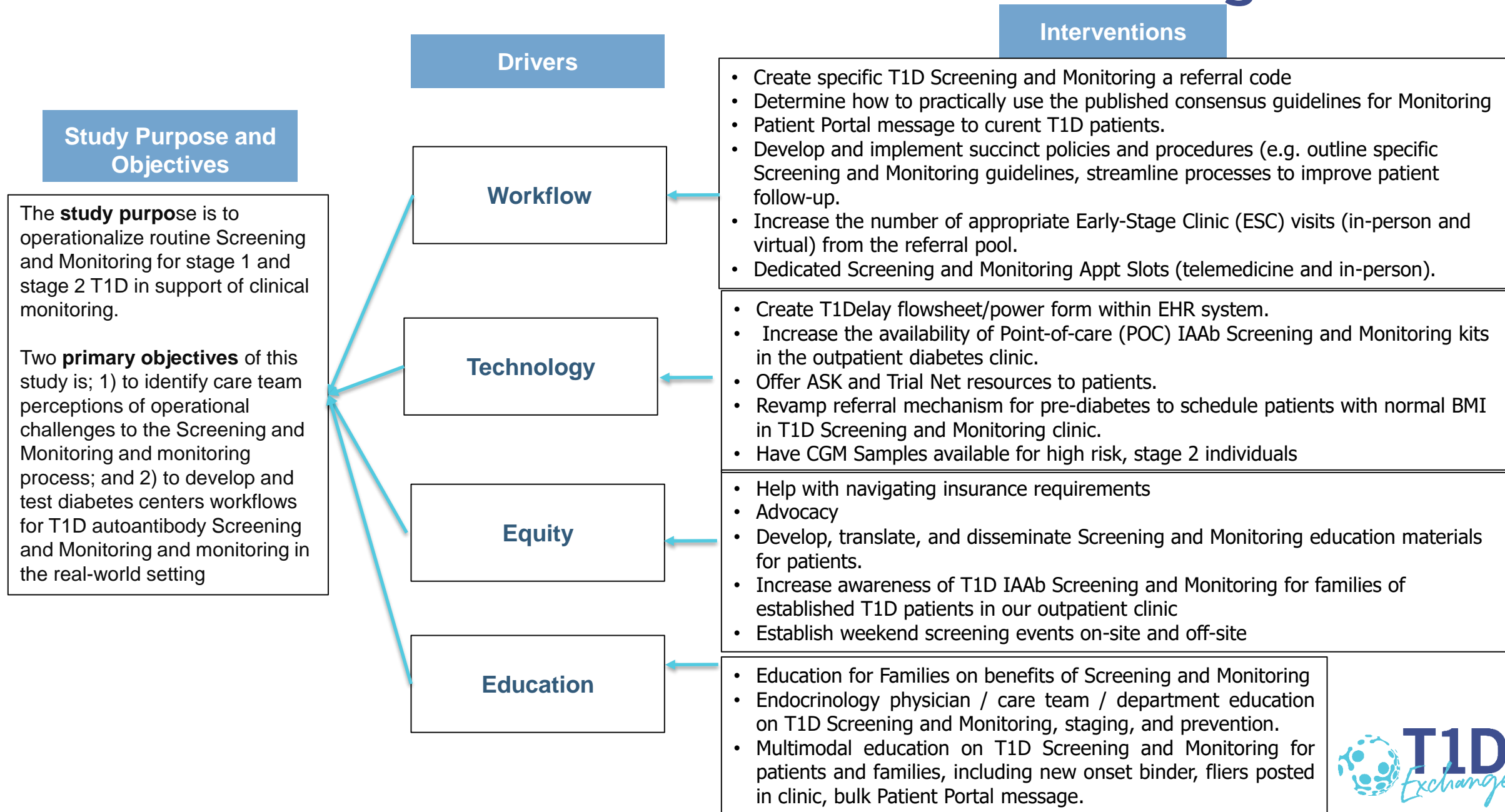
- 2 pediatric centers participating
- 18-month project timeline

Project objectives:

1. Develop and test diabetes centers workflows for T1D autoantibody screening and monitoring in the real-world setting.
2. Identify care team perceptions of operational challenges to the screening and monitoring process.



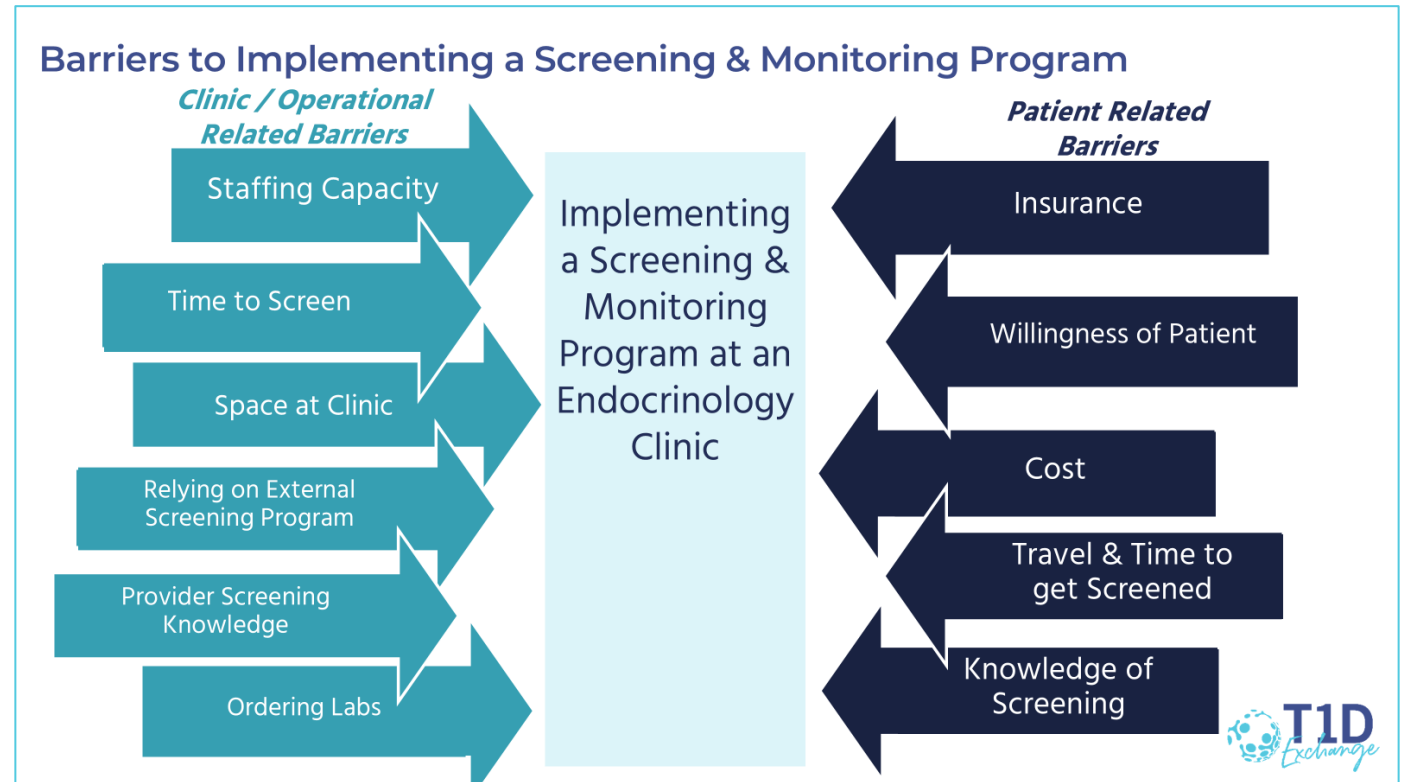
KEY DRIVER DIAGRAM - what will drive change?



Focus Group Findings - Barriers & Facilitators

Facilitators:

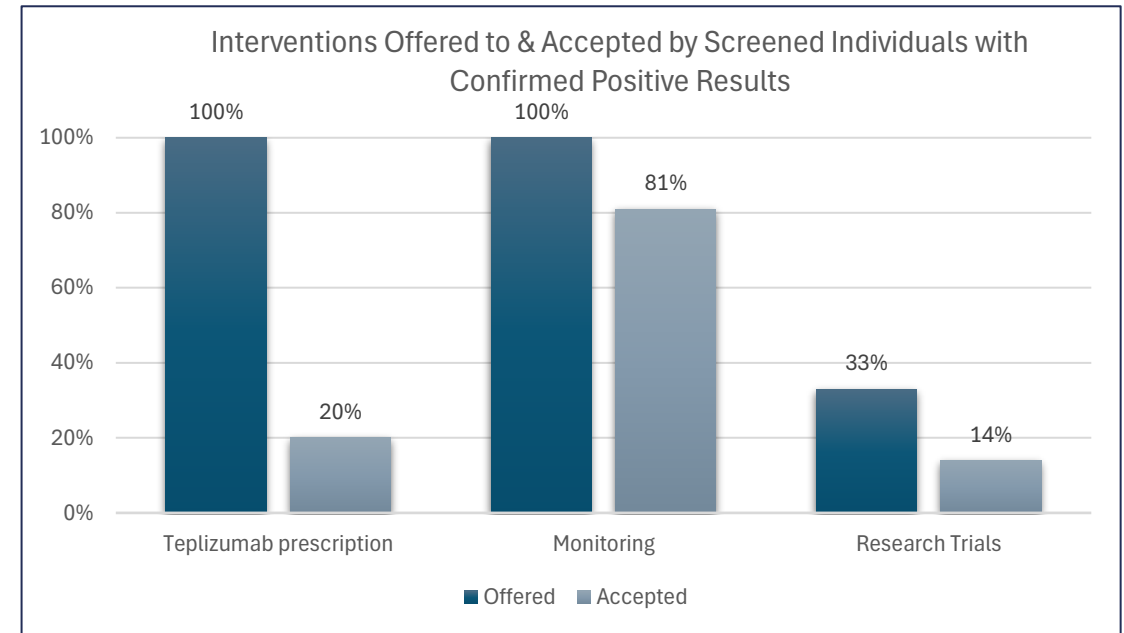
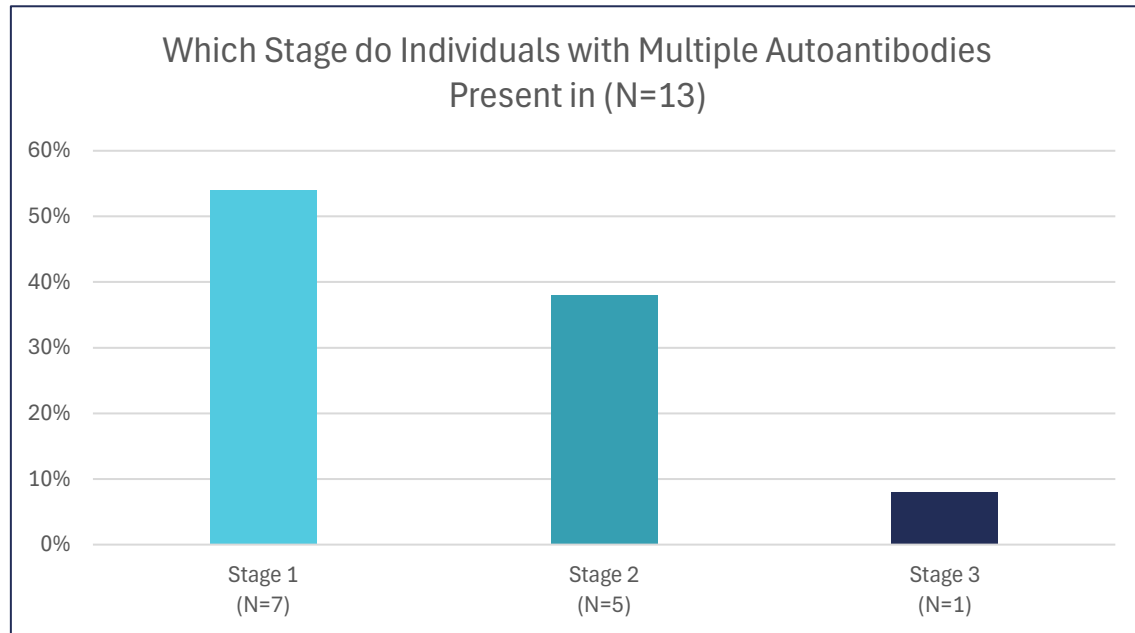
- Strong communication channels to inform both the healthcare and patient community about screening and monitoring.
- Engaged individuals at pilot centers.
- Advocating for insurance coverage for screening.
- Knowing which patients, when, and how frequently to approach and reminding them of the importance of screening is crucial.



*“It’s a little more **labor-intensive** than just antibodies, because it’s timed lab results with a drink.” –Pediatric Endocrinologist*

Aggregate Data Collected among Screened Individuals

- 100 individuals aged 1-25 years old were screened for autoantibodies across two centers
- 13% had confirmed positive results with multiple autoantibodies present
 - Most common autoantibody was GADA (75%)



Summary

- Provider awareness and clinic readiness for screening has been observed and identified among T1DX-QI centers.
- Barriers and facilitators (both clinic and patient related) to screening and monitoring have been identified.
- Operationalizing screening and monitoring in real-world endocrinology clinics has begun and care teams are sharing their experiences with this process.
- The number of individuals being screened and put on a monitoring regimen is increasing over time as centers address barriers and develop and implement workflows.



T1D
Exchange

Best Practice Advisory Insights

Trevon Wright MHA
November 11, 2024

Project Team

T1D Exchange:



Chief Medical Officer
Osagie Ebekozen, MD,
MPH, CPHQ



Senior Director of Clinical
Partnerships
Nicole Riales, MA



QI Project Manager
Trevon Wright, MHA



Senior Data Analyst
Emma Ospelt, MPH

Johns Hopkins University (Co-PIs):



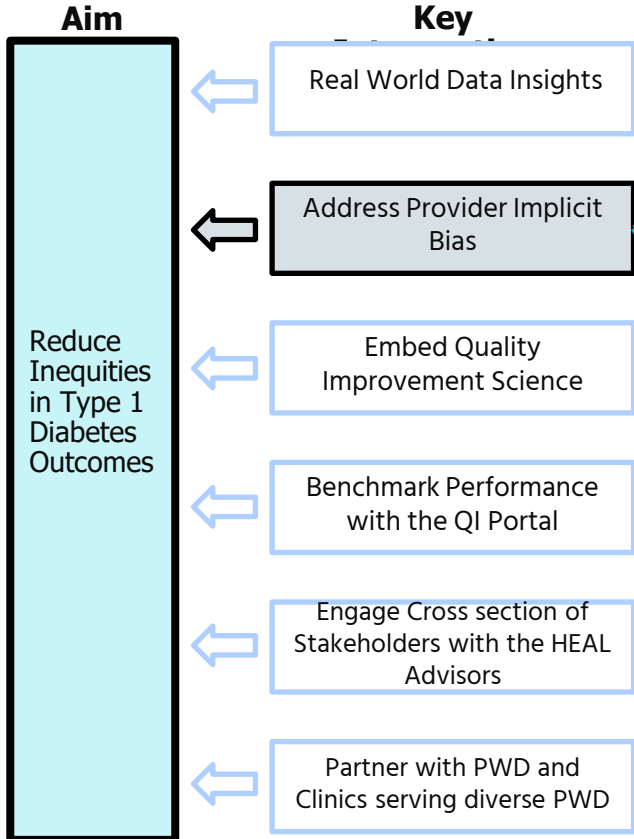
Associate Professor of
Pediatrics, Division of
Endocrinology
Director, Pediatric
Diabetes Center
Risa Wolf, MD



Associate Professor of Medicine
Endocrinology, Diabetes &
Metabolism Nestoras
Mathioudakis, MD MHS

Background

T1D Exchange Approach to Health Equity



Implicit Racial–Ethnic and Insurance-Mediated Bias to Recommending Diabetes Technology: Insights from T1D Exchange Multicenter Pediatric and Adult Diabetes Provider Cohort

Ori Odugbesan, MD, MPH,^{1,*} Ananta Addala, DO, MPH,^{2,*} Grace Nelson, MD,³ Rachel Hopkins, MD,⁴ Kristina Cossen, MD,⁵ Jessica Schmitt, MD,⁶ Justin Indyk, MD, PhD FAAP,⁷ Nana-Hawa Yayah Jones, MD,⁸ Shivani Agarwal, MD, MPH,⁹ Saketh Rompicherla, MS,¹ and Osagie Ebekoziem, MD, MPH¹

TABLE 3. UNADJUSTED ODDS RATIO FOR RACE/ETHNICITY-MEDIATED AND INSURANCE-MEDIATED PROVIDER BIAS

	<i>Insurance bias</i>	<i>P</i>	<i>Race/ethnicity bias</i>	<i>P</i>
Age	1.03 (0.99, 1.08)	0.06	0.99 (0.96, 1.04)	0.9
Race/ethnicity (NH White)	1.11 (0.48, 2.52)	0.8	0.76 (0.32, 1.79)	0.5
Clinic type (adult)	1.29 (0.56, 3.05)	0.5	1.09 (0.45, 2.53)	0.8
Practice years	1.08 (1.02, 1.16)	0.02[#]	1.00 (0.95, 1.06)	0.8
Recognize own bias (agree/strongly agree)	1.54 (0.66, 3.57)	0.3	5.25 (1.83, 19.01)	0.004[#]

[#]*P*-value <0.05.

Bold values indicate statistical significance.

Odugbesan, O., Addala, A., Nelson, G., Hopkins, R., Cossen, K., Schmitt, J., Indyk, J., Jones, N. Y., Agarwal, S., Rompicherla, S., & Ebekoziem, O. (2022). Implicit Racial–Ethnic and Insurance-Mediated Bias to Recommending Diabetes Technology: Insights from T1D Exchange Multicenter Pediatric and Adult Diabetes Provider Cohort. *Diabetes Technol Ther*. <https://doi.org/10.1089/dia.2022.0042>

BPA Reducing Lab Tests

Results from the beta-binomial model indicated that the intervention reduced the overall duplicates by 18%. Percent reductions in 9 of the 17 lab tests were statistically significant. Additionally, important cost savings were realized from the reduction of duplicates for each lab test with an estimated overall savings of \$72,543 over 17 months in the post-intervention period.

The role of a best practice alert in the electronic medical record in reducing repetitive lab tests

Harini Bejjanki ¹, Lazarus K Mramba ², Stacy G Beal ³, Nila Radhakrishnan ¹, Rohit Bishnoi ¹, Chintan Shah ¹, Nikhil Agrawal ⁴, Neil Harris ³, Robert Leverence ¹, Kenneth Rand ³

Affiliations + expand

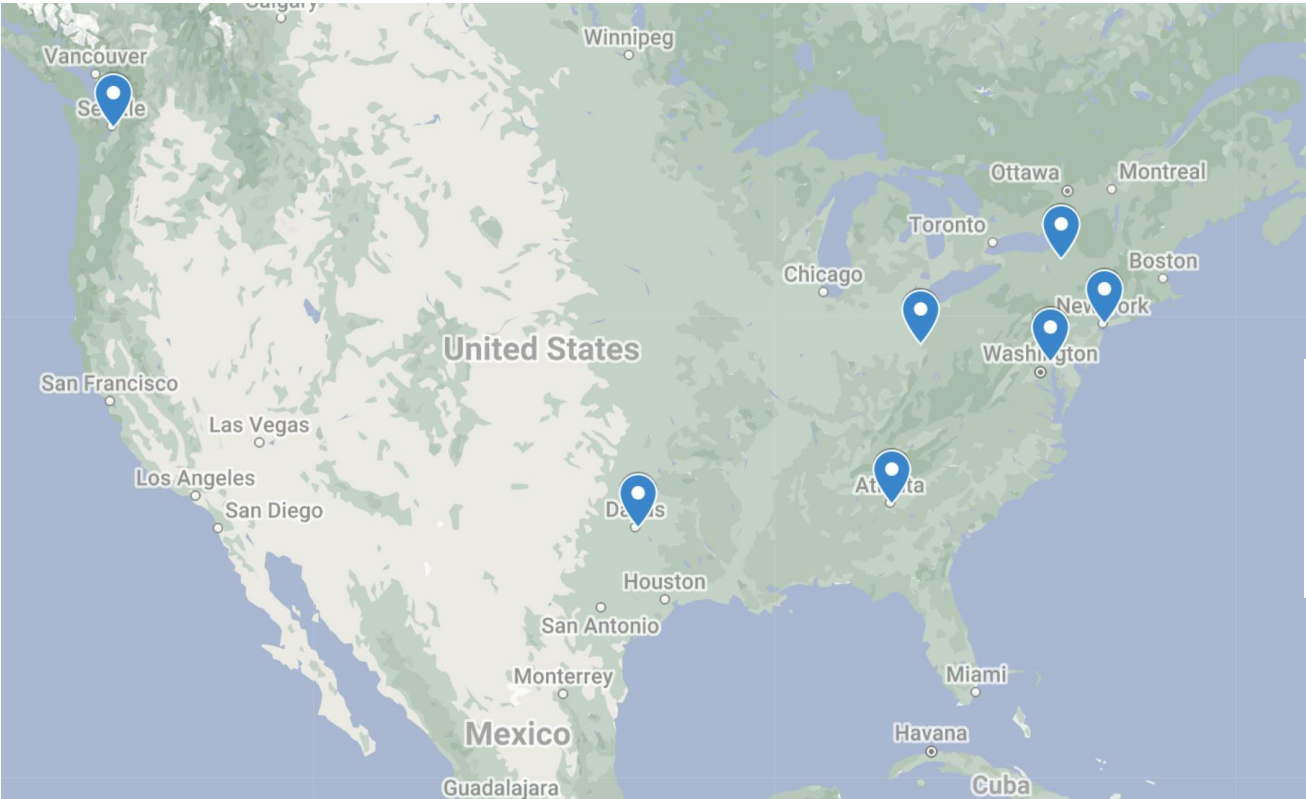
PMID: 30323637 PMCID: [PMC6181108](#) DOI: [10.2147/CEOR.S167499](#)



Current Breakthrough T1D/ Helmsley Charitable Trust funded QI Project Scope

Best Practice Advisories for Tech Equity (BPA-TECH)

Participating Centers



Seattle Children's
HOSPITAL · RESEARCH · FOUNDATION

UT Southwestern
Medical Center



Project Aims



Aim 1: To develop and implement an EHR-based BPA using stakeholder feedback to standardize the approach for prescribing and documenting advanced diabetes technologies (ADT,) including CGM, insulin pump, AID, among adult and pediatric PwT1D.



Aim 2: To determine the effectiveness of an EMR-based BPA in reducing racial inequities in ADT.



Aim 3: To explore the reasons identified for providers decision to not prescribe ADT and whether they were PwT1D or provider led decisions, and the association between the reason provided and the PwT1D's race/ethnicity.

Study Timeline

Milestones	Apr-24	Jul-24	Oct-24	Jan-25	Apr-25	Jul-25	Oct-25	Jan-26	Apr-26	Jul-26	Oct-26	Jan-27
Start-up	X											
Aim 1												
Qualitative Study		X	X									
BPA develop/impl.			X	X	X							
Publication				X								
Aim 2												
BPA deployed					X	X	X	X	X			
Data collection						X	X	X	X	X		
Data analysis								X	X	X	X	
Aim 3												
Data analysis										X	X	X
Publications											X	X



AIM 1: Qualitative Research

Aim 1: Qualitative Research



Focus groups/ structured interviews:

- Pediatric and adult endocrine providers, Diabetes care team members (RNs, CDCES), and IT Specialists who are part of T1DX-QI
- PwT1D/caregivers
- Scheduling focus groups with providers.



People with T1D surveys

- T1D Exchange Registry

BPA Focus Group Findings

- 8 focus groups conducted with 8 clinics
- Focus groups comprised:
 - Providers (MDs, APPs)
 - Diabetes care team members (RNs, CDCES)
 - IT specialists
- We asked questions relating to :
 - BPA for prescribing CGMs for PwT1D
 - BPA for prescribing automated insulin delivery (AID) systems for PwT1D

Criteria for Triggering

- All individuals with Type 1 Diabetes

"I think it should fire for **everyone [appointment]**, have that conversation,' underscoring the need to keep these technological dialogues alive and relevant."

- Individuals with T1D **AND** no devices on med list, and then only CGM on med list

"I think for CGM, diagnosis of type 1 diabetes, this BPA should be triggered for everyone, have that conversation."

"I think one would be maybe type 1s that don't have any technology use because that's really like a gap in the standard of care."

Who should it fire to?

We asked: Who should the BPA be targeted to on your care team?

- Targeted to the prescribing provider **OR** provider **AND** educator

“See, that's my fear. If it's the first to open, it's not the right person.” “Either the educator or the provider.”

“**If we had all the support**, in my mind, the nurse. Seeing as **we don't** have that, I would just say I would want the ability to fill that out. Or right now, maybe just every provider in our team has the ability to fill that out.”

“I think the provider, right? So for us, it could be an APN or it could be the physician. So both see patients separately. I think that would be the case. We do have diabetes educators involved in this process, but I'm guessing if they don't want it, then it's probably the provider's job to convince, and then the diabetes educators can take it on. **But yeah, I wouldn't want it with everybody.** I don't know that it would help for the MA. So mainly the provider, maybe some additional person potentially, but not a big group.”

“I think all providers. So that would be endocrinologists, fellows, educators, for sure, all our educators. Our pharmacist, we have a full-time pharmacist because he could be talking about it to them. So I think our pharmacists, our nurse and dietitian educators, our APPs, our fellows, and our attendings.”

When should it fire?

- Before encounter begins/pre-charting
- At the beginning of the clinical encounter and then can snooze?

“The BPA would appear when you open up the patient chart at the **beginning of the visit.**”

'I want it to remind me in the **beginning** prominently to say, 'Hey, this one's not on a pump, and have you thought about it?'

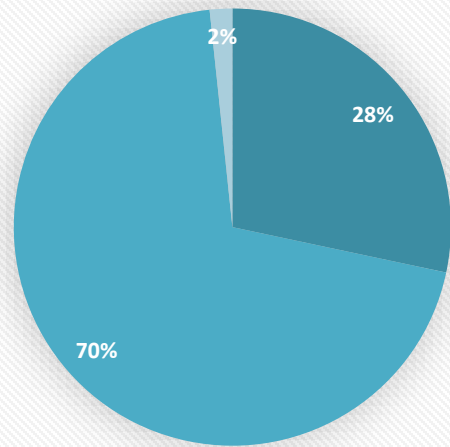
“If there's a snooze button, say, 'Okay, I don't want to talk about this now... But **remind me again** in three to five minutes.’”



Preliminary Annual Survey BPA Insights from the T1DX-QI Collaborative

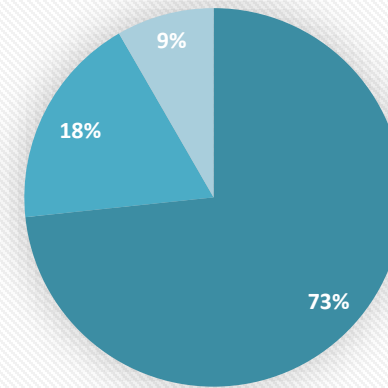
Preliminary BPA Insights

At your center, do you have any existing BPAs related to diabetes technologies?



■ Yes 28% ■ No 70% ■ Unsure/Unknown 2%

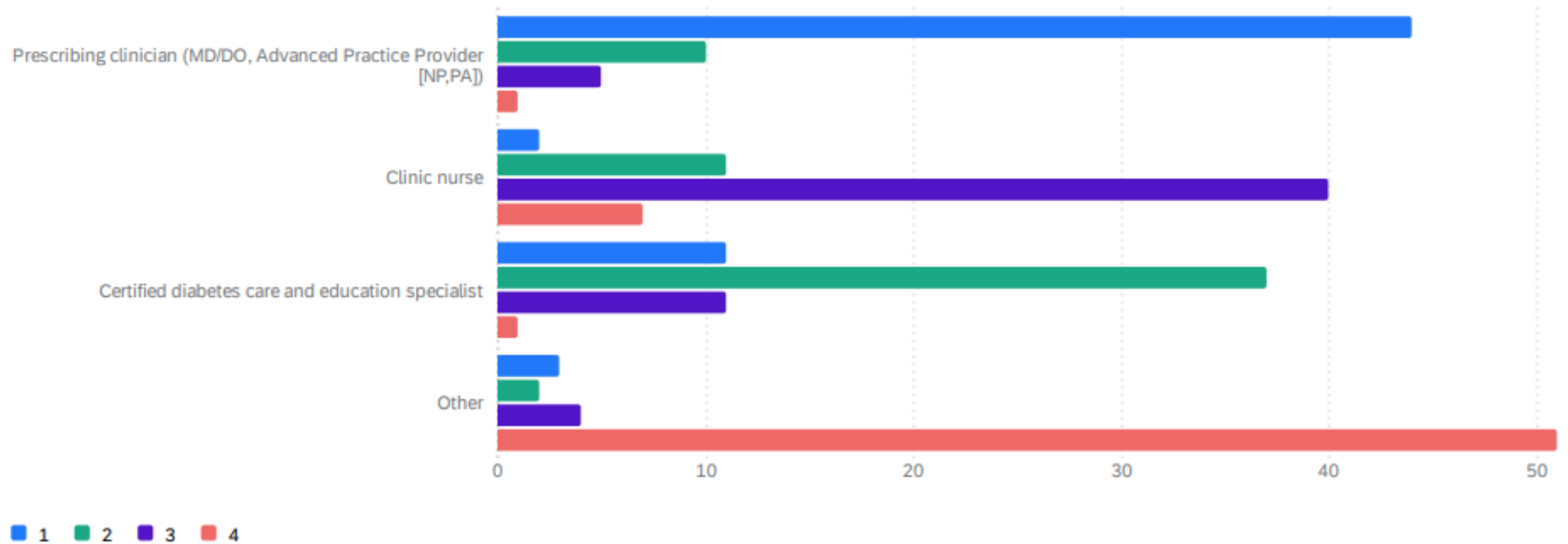
Does your center routinely offer Automated Insulin Delivery (AID) within 6 months of diagnosis?



■ Yes 73% ■ No 18% ■ Unsure/Unknown 8%

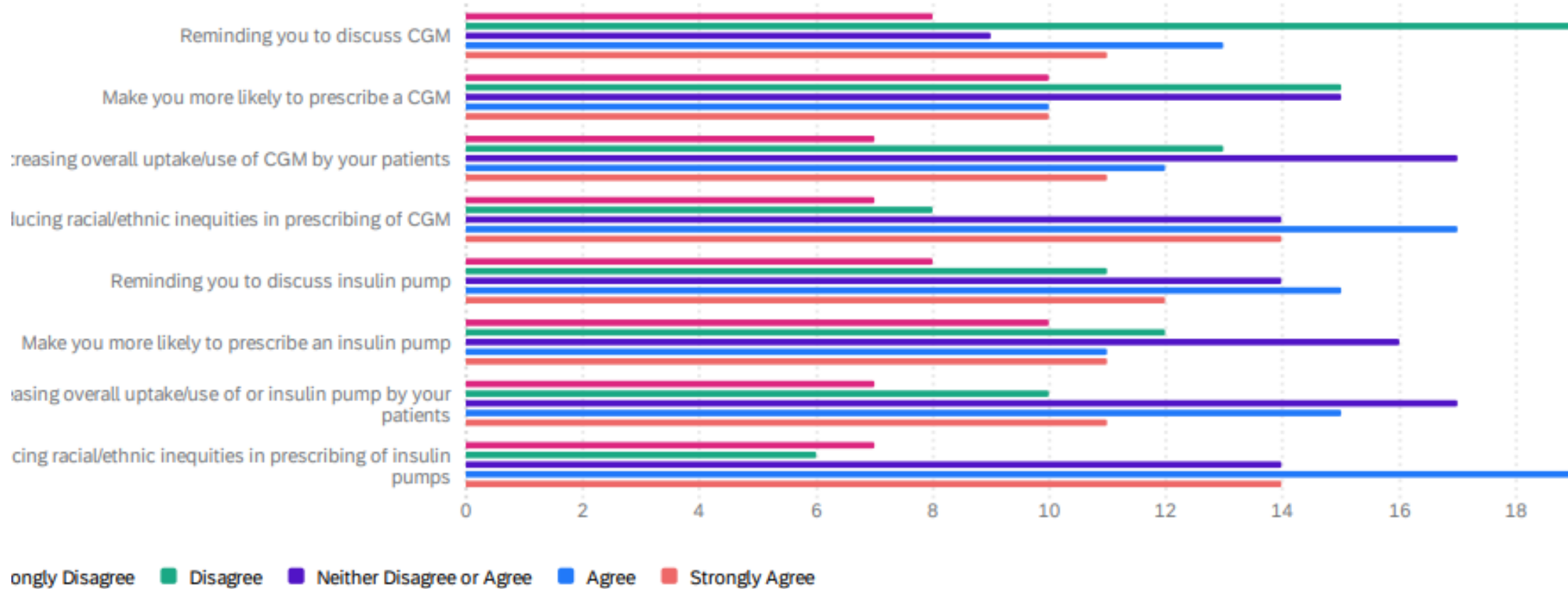
Preliminary BPA Insights

For the PWD at your center, who is the best person on the healthcare team for the BPA to target? Rank in order (1= most appropriate to 4= least appropriate): 60 ⓘ



Preliminary BPA Insights

For the PWD at your center, how useful do you think a BPA would be in 60 ⓘ



Next Steps

- Meeting with the participating centers to discuss and map out the integration of the BPA into their Electronic Medical Records (EMR) systems.
- Collaborate with IT specialists and clinical team members to align on integration requirements. The group will also discuss barriers and share initial findings.
- Begin the implementation and data collection for AIMs 2 and 3.



Questions/Feedback