



T1D
Exchange

Data Science Committee Meeting

February 2025

Co-chairs: Ryan McDonough , Nirali Shah

Agenda

- Introductions-Ryan McDonough and Nirali Shah
- T1D Exchange Updates- Emma
- BPA project update- Dr. Mathioudakis
- AID project update- T1D Exchange Team

T1D Exchange Updates

- Mapping updates
- Project updates

Type 1 Diabetes Mapping Updates

- **43** centers fully mapped (from 37 centers in Q4)
- **6** in validation phase

Type 2 Diabetes Mapping Updates

- **3** centers fully mapped
- **7** centers still in the mapping process

Breakthrough T1D BPA Project Update

Project Aims-BPA Project

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) (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, and the association between the reason provided and the PwT1D's race/ethnicity.

Questions??

Medtronic AID Project Update

Aim 1: Increase the percentage of T1DX-QI centers reporting AID system use and analyze real world data on AID use trends.

Aim 2: Complete qualitative analysis to understand factors that influence diabetes providers recommendations of AID systems.

Aim 3: Increase the percentage of newly diagnosed patients prescribed AID.

- 12 participating centers

AID Project Update- Aim 1

- T1D Exchange will work with T1DX-QI center teams that are fully data mapped to enhance AID data collection.
- Additionally, T1D Exchange's Data Science Committee (DSC) will propose **best practice recommendations** for documenting AID use in EMRs outside of the T1DX-QI network, enhancing standardization of data collection.
- The participating centers will begin to report these metrics, if they have not in the past, or enhance their current reporting on these AID variables.
- T1D Exchange will analyze the expanded AID real world data, examining new trends and insights.

AID Variable Availability for Adult Centers

Center Name	AID-Related Variables					
	Ins_regimen	Data availability	Ins_pump_delivery	Data availability	Ins_pump_model value== 5-15 value== 5-16" value== 5-17 value== 6-5 value==4-2	Data availability
Center A	No	N/A	No	N/A	No	N/A
Center B	X	67%	X	1.4%	No	N/A
Center C	X	46%	No	N/A	No	N/A
Center D	X	62%	No	N/A	No	N/A
OTHER CENTERS						
Center E	X	75%	X	54%	X	69%
Center F	X	5%	No	N/A	X	5%
Center G	No	N/A	X	6%	X	3%
Center H	No	N/A	X	0%	X	<1%
Center I	X	35%	X	0%	X	9%
Center J	X	56%	X	50%	X	46%
Center K	No	N/A	No	N/A	X	11%
Center L	X	24%	X	2%	X	17%