



**T1D Exchange Quality Improvement Collaborative  
November 2021 Learning Session:**

**5 years of T1Dx QI Collaborative and Reimagining the  
Future of Diabetes Care**

**Virtually, in Partnership with Boston Medical Center**

**November 8<sup>th</sup> & 9<sup>th</sup>, 2021, 11am-4pm EST**

**By the end of this learning session, we want participants to:**

**Know:** The work and accomplishments in the last five years of the QI Collaborative work in improvement science and understand where population health is headed

**Feel:** Energized that teams have the tools to effectively mobilize and optimistic about the resources shared across the QI Collaborative.

**Do:**

1. PDSA cycles to improve and address key drivers in clinical practice
2. PDSA cycles to address interventions that support key drivers for the collaborative aim
3. PDSA cycles to maintain/sustain the gains made in the interventions tested over the last 5 years

**Day One: November 8<sup>th</sup> (all times reflect Eastern Standard)**

11:00-11:30	<p><b>Welcome</b></p> <p><b>Agenda Overview, Logistics, Know, Feel, Do</b></p> <p><b>Boston Medical Center introduction and Welcome</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to describe and summarize the key infrastructure and systems that support the BMC endocrine clinic so that it's</p>	<p>Nicole Riales, MA</p> <p>Devin Steenkamp, MBChB &amp; BMC Team</p>
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	team can offer high quality care to safety-net populations.	
11:30- 12:15	<p><b>Learning Networks: Our Chance to Change Lives Now</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to identify and name 2 critical levers of success for learning health networks</p>	Stephen Muething MD, Chief Quality Officer, Cincinnati Children Hospital
12:15-12:45	<p><b>QI Collaborative Journey</b></p> <p><b>Session Objective:</b> At the conclusion of this activity, learners will be able to describe three accomplishments of the last 5 years of the Collaborative, including for example; aims and objectives achieved; data captured, measures and outcomes tracked, Collaborative benchmarks, publications released, and the future direction of the Collaborative.</p>	Osagie Ebekozen, MD, MPH
12:45-1:00	<p><b>T1D Exchange</b></p> <p><b>Session Objective:</b> At the conclusion of this activity, learners will be able to describe two accomplishments of the T1D Exchange, including for example; studies of the virtual registry and how those studies could support research and care of their type 1 diabetes patient populations.</p>	Dave Walton

1:00-1:15	<b>Break</b>
<p>1:15-2:05</p> <p><b>Breakout Session #1</b></p> <p><b>Select a breakout</b></p> <p><b>1. Key Driver Diagram Highlights [10 sites] Zoom, Room #1</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to state 3 secondary drivers and change concepts successfully used by peer institutions.</p> <p><b>2. Innovation in pediatrics care Zoom, Room #2</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to state 3 improvements achieved over the last five years by pediatric centers in the T1DX-QI network.</p> <p><b>3. Five years of innovation in adult management in the QI Collaborative How adult care has changed in the last five years Zoom, Room #3</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to state 3 examples of improvements achieved over the last five years by adult centers in the T1DX-QI network.</p> <p><b>4a. Boston Medical Center's ACO-funded CGM enhanced eConsult program Zoom, Room #4</b></p>	<p>Ori Odugbesan, MD, MPH and Ann Mungmode, MPH</p> <p>Dan DeSalvo, MD and Linda A. DiMeglio, MD</p> <p>Ilona Lorincz, MD and Carol Levy, MD, CDE</p>

Session Objective: At the conclusion of this activity, learners will be able to summarize the operational, clinical, and financial model of a highly successful eConsult program.

BMC, Kathryn Fantasia, MD

**4b. Cultural Humility with Latino Families Zoom, Room #4**

Session Objective: Learners will be able to name 3 tools of cultural humility training and describe how they can apply those skills into their practice with patients to garner trust and improve communication pathways with patients and families.

Ariana Hoet, Ph.D. and Lorena Asadi, MSW, LISW

2:05-2:35

**Nourishing our Community: Use of Teaching Kitchen, Rooftop Farm, and Preventive Food Pantry in Diabetes Care**

Session Objective: At the conclusion of this activity, learners will be able to discuss and give 3 examples of how BMC has made food systems that educate and support PWD through food access, nutritional education, meal planning, and cooking and will be able to describe how they can apply some of those tools into care delivery.

BMC, Ivania Rizo, MD and Olivia Weinstein, MS, RD, LDN

2:35-2:50

**Break**  
**Longer break (mindfulness/meditation with stretch with Bryce Farrell and Emma Ospelt)**

2:50-3:35

**Break Out Session #2**  
  
**1. *Diabetes Data Rounds: The Endocrinologist's EKG. Zoom, Room #1***

Aaron Neinstein, MD

Session Objective: At the conclusion of this activity, learners will be able to describe how they can apply the data rounds concept to their own training of fellows and junior faculty to interpret and discuss the data reporting tools and how to incorporate diabetes data education into patient device data sets.

**2. *Equity-themed abstracts.* Zoom, Room #2, Moderated by Kristina Cossen, MD**

- a) **Reducing pediatric healthcare disparities in use of technology in type 1 diabetes patients (p. 5, JOD Suppl)**
- b) **Pediatric Type 1 Diabetes Technology Use: Black Parent's Perspective (p. 6, JOD Suppl)**
- c) **Improvement in Equity of CGM Prescriptions After Targeted Interventions (p. 6, JOD Suppl)**

Session Objective: At the conclusion of this activity, learners will be able to describe new health equity interventions. They will be able to identify 1 inequitable processes/pathways in their own practices and discuss how they can try to successfully overcome health inequity outcomes in their practice.

**3. *A1c and Measures-themed abstracts.* Zoom, Room #3, Moderated by Todd Alonso, MD**

2a) Nationwide Children's, Kajal Gandhi, DO, MPH

2b) UMiami Peds, Mariaester Morillo, MD

2c) Albert Einstein, Priyanka Mathias, MD

- a) **Benchmarking HbA1c Targets across T1D Exchange Quality Improvement Pediatric Clinics (p. 7, JOD Suppl)**
- b) **Six Habits**
- c) **Implication of device disengagement on glycemic management and diabetic ketoacidosis in youth with T1D (p. 10, JOD Suppl)**

Session Objective: At the conclusion of this activity, learners will be able to report on measures, benchmarks, outcomes, and results from the QIC, including for example outcomes around adverse outcomes of DKA and health improvements through A1c and glycemic management improvements.

**4. *Flow and pediatric documentation-themed abstracts. Zoom, Room #4 Moderated by Alissa Roberts, MD***

- a) **Creating a Comprehensive Diabetes Review Flowsheet (p. 4, JOD Suppl)**
- b) **Transition Readiness Documentation at a Pediatric Diabetes Center (p. 15, JOD Suppl)**
- c) **Implementation of a Transition Readiness Assessment and Transition Discussion Documentation in a Type 1 Diabetes Clinic (p. 10, JOD Suppl)**

Session Objective: At the conclusion of this activity, learners will be able to give 3 examples of QI interventions tested and operational improvements made in pediatric centers concerning better care documentation better care transition management, and

3a) Ann Mungmode MPH

3b) Joyce Lee, MD, MPH

3c) Children's Mercy,  
Diana Ferro, PhD

4a) UMiami Peds Patricia Gomez, MD

4c) NYU Peds,  
Hassenfeld, Jeniece  
Ilkowitz, RN, MA CDCES

4c) CMH, Sonalee Ravi,  
MD

	documentation for young adult patient populations.	
3:35-3:40	<b>Day 1 Wrap Up Reflections</b>	Manu Kamboj, MD

**Day Two: November 9<sup>th</sup> (all times reflect Eastern Standard)**

11:00-11:10	<b>Welcome, logistics and overview for day two</b>	Nicole Rioles, MA
11:10-11:50	<p><b>1. Culture Assessment for Centers Participating in the T1D Exchange QI Collaborative and Center KDD Highlights. (p. 13, JOD Suppl) Zoom Room #1</b></p> <p>Session objective: At the conclusion of this activity, learners will be able to state 3 secondary drivers and change concepts successfully used by peer institutions.</p> <p><b>2. Data Growth in the Network. EMR data collection. Broad and local perspective on the data sharing process Zoom Room #2</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to summarize ways to plan data collection improvements at clinic, using specific examples and designing and applying concepts that can be applied to their respective EMR and data warehouse systems.</p>	<p>Ori Odugbesan, MD, MPH and Ann Mungmode, MPH</p> <p>Mark Clements, MD, PhD and Todd Alonso, MD</p>



	<p><b>3. Psychosocial Care</b></p> <p><b>Zoom Room #3</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to describe how psychosocial screeners have been implemented in the QIC to address patient mental and behavioral needs.</p> <p><b>4. COVID-19</b></p> <p><b>Zoom Room #4 Moderated by Robert Rapaport, MD, PhD</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to describe how COVID outcomes have impacted the T1D populations, based on risk stratification and device use.</p> <p><b>4a) Risk Stratification</b></p> <p><b>4b) Device use and COVID-19</b></p>	<p>Sarah Corathers, MD and Cynthia Muñoz, PhD, MPH</p> <p>Rady Children's, Carla Demeterco-Berggren, MD, Ph</p> <p>Nudrat Noor, PhD, MPH</p>
11:50-12:30	<p><b>Health Equity</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to identify 3 specific examples from the QIC interventions to address and reduce health outcome disparities for people of color and publicly insured patients.</p>	<p>Osagie Ebekozien, MD, MPH</p>
12:30-12:45	<p><b>Break</b></p>	

12:45-1:30

**Breakout Groups #2**

**1. *Population Health themed abstracts:***

**Session Objective: Clinics**

**Zoom Room #1. Moderated by Nana-Hawa Jones, MD**

- a) **5-Year (2016-2020) Trend of Obesity and Patient Profiles of the Adult Population with Type 1 Diabetes: A U.S. Based Multi-Center Study (p. 13 JOD Suppl)**
- b) **5-Year Trends of Overweight and Obesity (2016-2020) and Patient Profiles of the Pediatric Population with Type 1 Diabetes: A U.S. Based Multi-Center Study (p. 4 JOD Suppl)**
- c) **QI Portal**

Session Objective: At the conclusion of this activity, learners will be able to explain how the QIC has analyzed obesity data sets to track population health measures and how outcomes improvements are shifting at the systems-level.

**2. *Psychosocial-themed abstracts:* Zoom Room #2. Moderated by Sarah Corathers, MD**

**2a) Improving Depression Screening at a Pediatric Diabetes Center (p. 15 JOD Suppl)**

**2b) A Whole Child Model of Care for Pediatric Medicaid Patients with Type 1 Diabetes to Address Health Disparities and Close Care Gaps (p. 2 JOD Suppl)**

**2c) Improving Psychosocial Care To Decrease Diabetic Ketoacidosis In A Population with**

T1DX-QI, Nudrat Noor, PhD, MPH  
(presenting on both)

Ann Mungmode,  
MPH

2a) NYU Peds, Mary Pat Gallagher, MD

2b) Rady Children's, Carla Demeterco-Berggren, MD, PhD

2c) TCH, Selorm Dei-Tutu. MD, MPH

**Type 1 Diabetes: A Series of Quality Improvement Interventions (p. 16 JOD Suppl)**

Session Objective: At the conclusion of this activity, learners will be able give 3 examples regarding how peer teams have successfully addressed psychosocial needs for at risk, vulnerable, and adolescent populations.

**3. Equity-themed abstracts: Zoom Room #3. Moderated by Shivani Agarwal, MD, MPH**

**3a) T1D Exchange Technology Equity Improvement Project: Baseline Analysis of Insulin Pump Use (p. 14 JOD Suppl)**

3a) T1DX, Ori Odugbesan, MD, MPH

**3b) Reducing Insurance-Based Disparities for Access to Continuous Glucose Monitors & Improving Access to Continuous Glucose Monitors for High-Risk Patients (p. 16 JOD Suppl)**

3b) U Alabama  
Jessica Schmitt, MD

**3c) Medicaid Coverage of Continuous Glucose Monitors in Texas: A Quality Improvement Success Story in Advocacy (p. 3 JOD Suppl)**

3c) Texas Children's,  
Bonnie McCann-Crosby, MD

Session Objective: At the conclusion of this activity, learners will be able to describe 3 ways the QIC has developed interventions to address and reduce health outcome disparities for people of color and publicly insured patients.

**4 Technology Zoom Room #4. Moderated by David Maahs, MD, PhD**

**4a) Remote Patient Monitoring for Youth with Type 1 Diabetes (T1D) Predicted to Experience a Rise in Hemoglobin A1C (p. 17 JOD Suppl)**

4a) CMH, Emily DeWit

	<p><b>4b) Teamwork, Targets, Technology, and Tight Control (4T Program): Personalized Medicine at Population Scale (p. 11 JOD Suppl)</b></p> <p><b>4c) Schema and Data Validation of T1D Exchange Mapped Data Using Pandera Framework (p. 16 JOD Suppl)</b></p> <p>Session Objective: At the conclusion of this activity, learners will be able to explain how clinics have advanced their operational and practice systems with data-informed interventions and systems.</p>	<p>4b) Stanford, Priya Prahalad, MD, PhD</p> <p>4c) Children's Mercy, Brent Lockee, BS</p>
<p>1:30- 2:05</p>	<p><b>Patient perspectives</b></p> <p><b>Session Objective:</b> At the conclusion of this activity, learners will be able to describe how patient perspectives can support team goals of providing high value and efficient care.</p> <p>Learners will be able to describe 1 patient example regarding their care experiences and be able to describe how to apply and practice guidelines that patients identify as supportive for better dialog, discussion, and co-management.</p>	<p>Nicole Riales and Patient/Parent Advisors</p> <p>Jane Dickinson, PhD, CBDCE, Craig Bobik, Amy Ohmer</p>
<p>2:05-2:20</p>	<p>Break</p>	
<p>2:20-3:10</p>	<p><b>Panel Discussion: Reimagining the future</b></p> <p><b>Session Objective:</b></p> <p>What are some of the things that we should be doing more of as a collaborative network? Policy issues, QI, data, technology, patient engagement, population health research</p>	<p>Dave Walton, Moderator</p> <p>Dan DeSavlo, MD, Laurel Koester, MPH, Grazia Aleppo, MD, and Anisa Abdi</p>

3:10-3:20	<b>T1Dx-QI 2021 Awards</b>	Presented by: Osagie Ebekozien, MD, MPH  Nicole Rioles, MA  David Walton
3:20-3:25	<b>Learning Session Wrap Up and Reflections</b>	Sarah Corathers, MD

**Educational Objectives:**

1. At the conclusion of this activity, participants will be able to (or better able to):
2. Describe the future of novel therapies, interventions, quality improvements, and solutions to today's diabetes care challenges.
3. Identify gaps in population health needs and state 3 ways they can be improved over the next 5 years
4. Apply the strategies of the T1DX-QI Equity Framework which can help to improve diabetes health outcomes for BIPOC T1D and T2D patients
5. Discuss expectations for patient care and patient engagement and describe ways to co-design care with patients.