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Control/Tracking Number: 2023-A-2175-Diabetes

Activity: Abstract

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Advancing Quality Improvement Culture among 27 Pediatric and Adult Diabetes Centers

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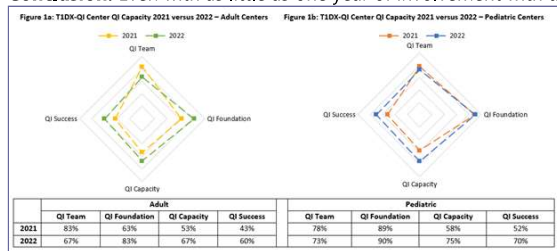
Abstract:

Background: The T1D Exchange Quality Improvement Collaborative (T1DX-QI) is a learning health system of over fifty endocrinology centers working to improve diabetes outcomes through Quality Improvement (QI). Centers join T1DX-QI with varying levels of QI culture and are assigned a QI Coach to support practice transformation. This study summarizes the results of 27 endocrinology centers involved in the T1DX-QI for over 12 months.

Method: Centers completed a 20-question self-assessment survey to measure QI culture over time in four evidence-based areas: QI Team Structure (team roles); QI Foundation (data collection and training); QI Capacity (use of QI tools); and QI Success (scaling up small tests). Data was collected in 2021 and 2022 for the same centers. The overall difference in QI Capacity was calculated using a Chi-Square test.

Results: Overall, QI Culture increased from 67% to 75% from 2021 to 2022 (p-value = 0.005). Figure 1 demonstrates that improvements were seen in three of the four evidence-based areas for both pediatric and adult centers in this time.

Conclusion: Even with as little as one year of involvement with the T1DX-QI, centers experience an improvement in their QI Capacity.



Category (Complete): 14-B Health Care Delivery—Quality Improvement

Presentation Preference (Complete): Oral Preferred

Financial Support (Complete):

* **ADA Support:** No

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