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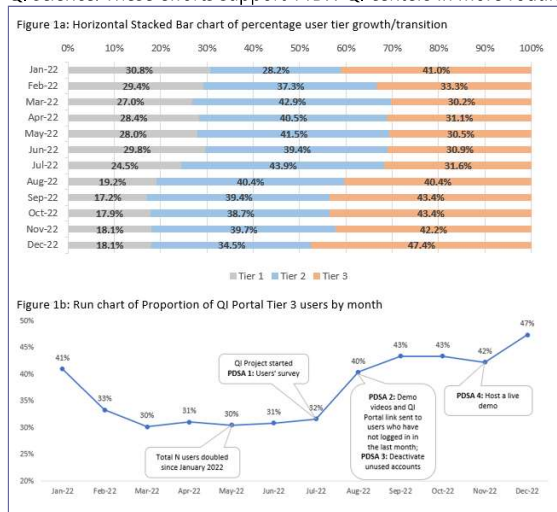**Activity:** Abstract
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Walking the Talk: Improving Use of the T1D Exchange Quality Improvement Portal Using QI Methodology

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Abstract:
Background: The T1D Exchange QI Collaborative (T1DX-QI) is a network of over fifty endocrinology centers improving type 1 diabetes (T1D) care using QI. Participating centers have access to the QI Portal, an EMR-based data platform to chart and benchmark T1D outcomes. It is a valuable tool for population health and supports use of data to inform clinical QI projects. We aim to demonstrate the use of QI science to increase centers' QI Portal use. **Methods:** Users are classified into Tiers based on their cumulative monthly QI Portal log-ins (Tier 1 = one month or never; Tier 2 = 2 or 3 months total; Tier 3 = 4 or more months total). This measure describes regularly (monthly) use. For this analysis, new users (user accounts younger than 3 months) are not included to establish true use. **Results:** The QI Portal has achieved consistent user growth through this project. As users transition from Tier 1 to Tier 3, the latter tiers expand as users consistently use the QI Portal, with a 12% increase in more experienced Tiers (Tiers 2 and 3; Figure 1a). Figure 1b depicts a ~48% increase in the percentage of Tier 3 users since the project started in July 2022 and annotates four Plan-Do-Study-Act (PDSA) cycles. **Conclusion:** The T1DX-QI portal usage improved through QI science. These efforts support T1DX-QI centers in more routine use of actionable data and outcomes benchmarking for clinical process improvement.

Figure 1a: Horizontal Stacked Bar chart of percentage user tier growth/transition

Figure 1b: Run chart of Proportion of QI Portal Tier 3 users by month

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