The T1D Exchange Quality Improvement Collaborative (QIC) joins a learning collaborative with a data platform to redefine best practices, enhance the quality of care, and ultimately generate better outcomes. This model helps fill the gap between the surge of diabetes innovation, drugs, and technology, and the lack of corresponding uptake or benefit by patients.

The QIC brings together more than 12 clinics, situated across the US and treating nearly 30,000 individuals with type 1 diabetes. The Collaborative has achieved unprecedented success because it relies on an operational and systemic approach: individual clinicians are empowered to identify areas of unmet need within their clinic. They make small changes in care that scale up through the Collaborative to create best practices, which are then shared among and implemented by members at other clinics.

Decision-making is facilitated by electronic record and population health data on all patients that is uploaded from clinics to the new T1D Exchange QIC platform. After analysis and benchmarking, each clinic has a clearer picture of how their patient populations are faring based on the treatments and interventions being adopted and thus, how and where to target change efforts to improve outcomes for the subpopulations most at risk.
Real World Evidence

For most new market-approved treatments or devices, basic data is lacking about effectiveness outside the confines of a formal study population. Even when data is available from controlled clinic studies, it may not fully represent the reality of living with type 1 diabetes; individuals who self-select to join in research are often the most motivated and least at risk.

Through the QIC data platform and learning collaborative model, we aim to reach all type 1 diabetes populations and, through their inclusion in data collection and analysis, more effectively test new therapies and products, enhance the quality of care, and ultimately improve outcomes. Here are some highlights from the data we have mapped to date.

Data as of July 2019