



T1D Exchange QI Collaborative Data Science Committee Charter

Last Updated: Spring 2024

Purpose

T1D/T2D Exchange Quality Improvement Collaborative (“T1DX-QI”, “T2DX-QI”) established a Data Science Committee (DSC) to guide optimization of the electronic medical record-based data platform, the QI data specification, and future Collaborative IT tools to support improvement of clinical quality, patient safety, reduced variation, and increased efficiency of information collection and use.

Structure and Processes

A. Membership

Member commitment is for two years with the option to renew their term. Members will consist of endocrinologists and subject-matter experts who are actively working for and committed to pediatric, adult, and older adult populations with diabetes; and are actively contributing to and participating with the data sets at T1D Exchange.

Members will include:

1. T1D Exchange Quality Improvement Team
2. Nominated Committee co-chairs
3. Appointed site leads from each clinic contributing data, including clinicians, engineers, and IT/systems leaders

Committee Co-Chair Terms

Co-chairs serve two-year terms to lead the T1DX-QI DSC. Whenever possible, the Committee will be led by one pediatric and one adult co-chair.

New co-chairs are identified through a peer-and self-nomination process and ideally are already existing members of the Committee. In the event no nominations are received, current co-chairs may outreach to potential candidates to encourage their nominations. If no existing members are nominated, or nominees are brand new to the Committee, retiring and newly appointed co-chairs may overlap terms to support Committee work and sustainability.

B. Meetings

The Committee will meet at least quarterly.

C. Responsibilities and Duties

The following functions are expected to be the common recurring activities of the Committee in carrying out its responsibilities. These functions should serve as a guide with the understanding that the Committee may carry out additional functions and set priorities and procedures.

The Committee will strive for balance between regulatory compliance, fiscal responsibility, and system quality, to promote the sustainability of population health management tools and resources accessible to the T1DX-QI. They will evaluate, respond to and prioritize issues and

enhanced opportunities.

To support these activities

Committee co-chairs will:

- Prioritize new data elements or changes made to data specification for the committee to review and approve
- Recommend key areas of focus and/or facilitate best practice data collection strategies from the Committee/collaborative

Committee members will:

- Review and approve new clinical decision support tools and upgrades
- Review and approve suggestions for upgrades to the data specification
- Share best practices for collecting and integrating data into EMR
- Review collaborative scorecards reflecting data availability among mapped centers
- Advise on best practices for sharing data and resources in the QI Portal platform
- Support the establishment of operational standards across T1DX-QI systems
- Work in collaboration with Clinical Leadership Committee to maximize utilization of technology
- Recommend and prioritize clinical process redesign initiatives that require significant IT support

T1DX team members will:

- Support with meeting scheduling, logistics, minutes, and recordings
- Maintain the Data Science Committee [website](#) with up-to-date information and documentation

D. Conflicts of Interest

The Committee members must abide by T1D Exchange's conflict of interest policy. They are requested to disclose all financial interests and working relationships with any entity whose financial interests potentially could be affected by the conduct or outcome of T1D Exchange activities; including all relationships that might have a bearing on his/her role or the perception of this role.

E. Confidentiality

The Committee members will keep the material reviewed and deliberations of the Committee strictly confidential. If a committee member has uncertainty about whether an issue or materials should be kept confidential, this should be discussed with the CMO and EVP of Population Health and Quality Improvement T1D Exchange Inc.

[Appendix A: Data Specification Change Request Flow Chart](#)



