

The Paediatric Diabetes QI Collaborative: A National Pilot of 10 Paediatric Diabetes Units in England

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Inspired by the 2014 diabetes QI collaborative in Sweden, Royal College of Paediatrics and Child Health conducted a pilot QI collaborative with 10 paediatric diabetes MDTs from across England. All members of each MDT were expected to attend a 9-month programme of training consisting of 2 residential weekends and 2 one-day events, with additional lunchtime webinars for team champions and access to a secure online platform to share resources and ideas with each other between events. The training encompassed; improving outcomes in complex systems, the PDSA cycle, the value of time-ordering measurement, reliability and human factors, the values and behaviours of a high performing team, process mapping and fishbone analysis as a starter for change, and the engagement of children and young people. Initial run-chart data of outcome measures collected during the collaborative shows a 5-10% reduction in mean HbA1c pre- and post-pilot. Qualitative feedback from the teams at the end of the programme reported a noticeable change in team function and they were either likely or highly likely to continue their QI activities beyond the collaborative. All 10 teams rated their experience of participating in the QI programme either very or extremely useful. As part of the new National Children and Young People's Diabetes Quality Programme, 2 further national waves of the QI collaborative will start in October 2018 with subsequent regional waves of single-day training events due to commence in 2019, recruiting over 80% of all paediatric diabetes units in England and Wales in the next 3 years.