

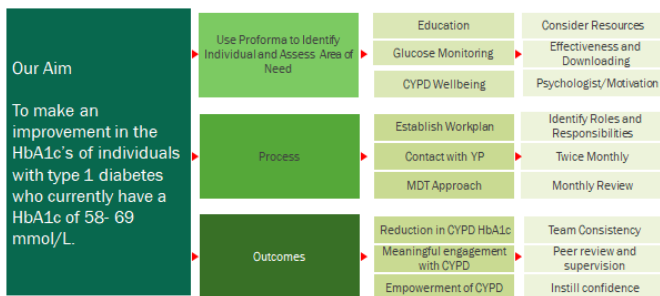


Improving Diabetes Outcomes HbA1c (58-68)

Purpose:

To make an improvement in the HbA1c's of individuals with type 1 diabetes who currently have a HbA1c of 58- 69 mmol/L.

Our Vision



QI Initiative- Study group overview

QI initiative patient starting Data.																	
Patient Details				Confidence questions				Regime		Blood glucose Monitoring							
Age	Sex	Date of diagnosis	Hba1c	1	2	3	4	5	6	7	8	Basal Bolus	pump	FGM	CGM	Smartmeter	1
5	F	04/10/2017	66	1	1	1	1	2	4	2	2	No	Yes	No	Yes	No	18%
14	M	22/08/2011	60	2	2	3	1	2	3	2	2	No	Yes	Yes	No	No	18%
15	M	13/11/2009	62	1	1	2	1	2	3	2	3	Yes	No	Yes	No	Yes	11%
14	M	21/08/2007	67	1	1	2	1	1	3	3	3	No	Yes	Yes	No	No	70%
5	M	28/08/2019	59	2	2	2	2	2	2	2	3	No	Yes	No	Yes	No	49%

Qualitative /Quantitative outcomes

- Late start with recruitment meant that we could not complete the 3 months period for A1c review.
- Families have engaged with the process well. They are actively using the resources provided to them with good team interactions.

	Initial	4 th Week	6 th Week	8 th Week
Time in Range	11%	43%	36%	49%
Average blood Sugar	12.4	10	11.6	9.9
Data Capture	84%	47%	87%	87%
Variability	36.0%	32.6%	33.6%	36.4%
Estimated HbA1c	71	60	67	59

What went well

- Improved family engagement
- Resource development
- Improved team communication
- MDT approach
- Enhanced responsive use of technology

Reflections

- Responsiveness of teams with technology and diabetes control optimisation.
- Holistic Team approach
- One size does not fit all children and families
- Process is time consuming for the MDT
- Identify capacity and demand within the service needs with enhanced use of technology.

First Steps

Our improvement journey- the steps we took



Our Interventions

- Weekly visits/interactions
- Advanced Carb counting-optimising of insulin needs.
- This was a virtual interactive session
- 1:1 teaching around downloading and data analysis
- Providing resources; for example, a charity who provides computers for T1 patients who cannot access them (SCD.uk.com)
- Regular downloading and advise with glucose management