



## CTMUHB Newly Diagnosed Diabetes Patient Journey

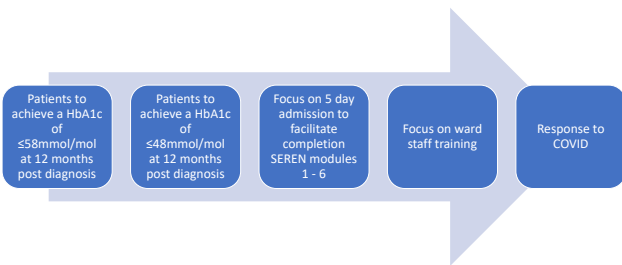
Dr Shikha Jain – Consultant Paediatrician, Dr Humphrey Okuonghae – Consultant Paediatrician  
 Dr Lynne Millar-Jones – Consultant Paediatrician, Dr Nirupa D'Souza – Consultant Paediatrician  
 Lucy Collins – PDSN, Julie Haycox – PDSN, Jo Lloyd-Jones – PDSN, Paul Leach – PDSN  
 Matt Ward – Paediatric Dietitian, Karen Poulton – Paediatric Dietitian  
 Gareth David – Child and Adolescent Clinical Psychologist  
 Hannah Lloyd – Directorate Support Manager

# Purpose: To improve care pathways in newly diagnosed children with Type 1 diabetes across the Health Board in the first year of diagnosis.

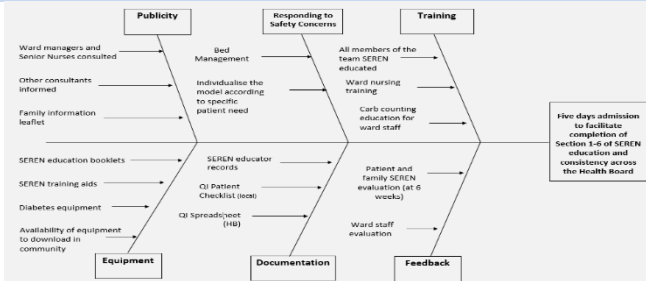
## Driver Diagram



## Our QI Journey – The Steps We Took



## Fishbone Analysis of 5 days admission



## Our Interventions

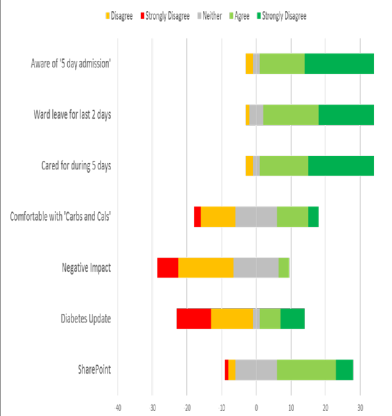
- Development of QI documentation
- Advertising the changes to the ward managers and familiarise 5 day journey to ward staff and CYP /families
- Ensure all diabetes/SEREN equipment was available in one location
- Ward staff feedback and patient feedback
- Ward staff training – project taken on by All Wales Network

## Outcome Data

HbA1c mmol/mol	3 months	6 months	12 months
Pre-QI			
Mean (95% confidence interval)	58.9 (53.5-64.3)	54.3 (48.8-59.8)	57.0 (52.5-61.6)
	N= 28	N= 26	N= 28
Post QI			
Mean (95% confidence interval)	58.2 (51.1-65.2)	53.3 (46.2-60.3)	
	N= 10	N= 10	
HbA1c mmol/mol	3 months	6 months	12 months
Pre-QI			
Median (IQR)	59 (46.5-69.5)	52 (42.7-65.0)	55 (50.2-63.7)
	N= 28	N= 26	N= 28
Post QI			
Median (IQR)	59.0 (50.0-67.0)	52.5 (44.2-61.2)	
	N= 10	N= 10	

## Qualitative Feedback from Families/Colleagues

Ward Staff Evaluation of '5 day admission' process at diagnosis  
 Compiled data for the 3 units.



## CYP/Families Feedback

"A better understanding of how diabetes affects my son"

"The breakdown in two section of education made it manageable"

"We went in on a Friday, it seemed that no-one that was needed was available over the weekend"

"The ward staff over the weekend didn't want to commit answer to questions asked!"

## Bright Spots

- Newly diagnosed CYP and families appear more confident
- Developed a standardised journey for our CYPs on all 3 sites
- Brought us together as a team from 3 different District General Hospitals (and previously 2 differing Health Boards)
- Increased sharing of resources and learning from each other
- Engaged All Wales Network with regards to ward staff training programme

## Further Actions

- Continue the current audit to completion (Dec ' 2021), analyse data to ensure compliance and implement interventions
- To embed QI in our practice