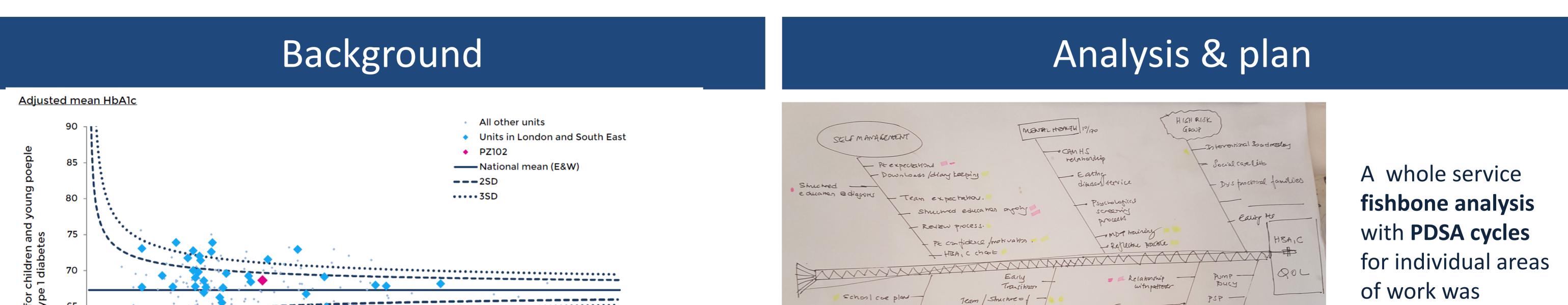
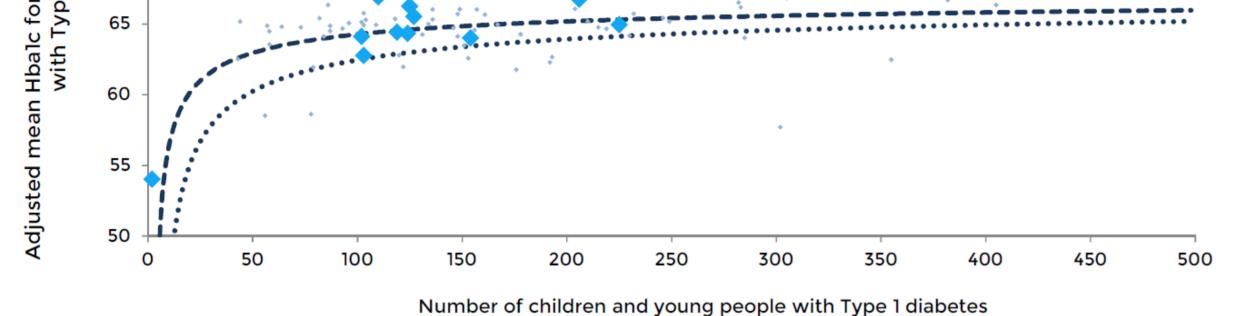
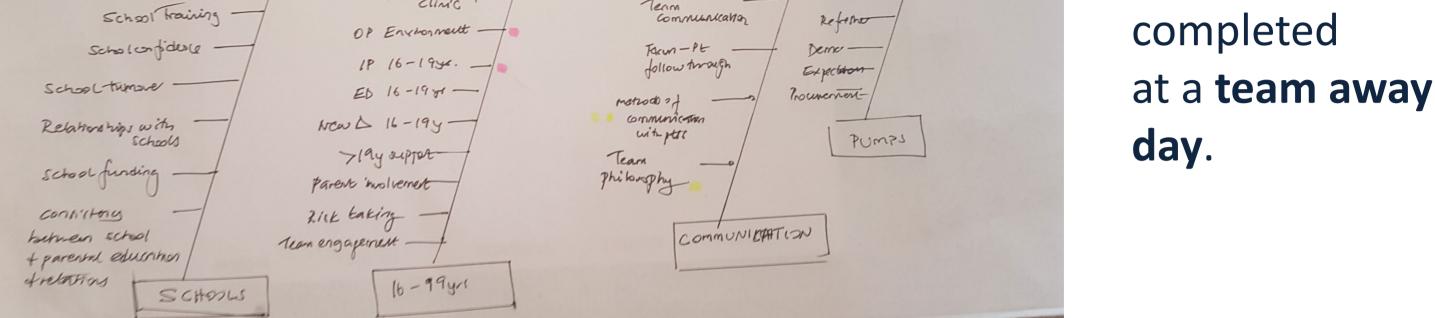
## **Our Quality Improvement Journey**

Improving HbA1c and quality of life in our cohort of children and young people living with diabetes (CYPD)





- Caseload of 173 CYP living with diabetes
- 1/3<sup>rd</sup> patients on continuous subcutaneous insulin infusion (CSII)
- Above national median & mean HbA1c (NPDA16/17)
- High deprivation index



### **Agreed focus areas:**

- An audit identified that CSII CYP were not achieving target HbA1c & we had incongruous internal processes
- Improving consistency in team education & communication to CYP

### Interventions

### For CSII CYP:

- Agreed CSII policy to improve consistent implementation amongst team
- Mandatory CSII refreshers with revised content
- Implemented a **Pump Support Plan (PSP)** for patients requiring support
- Introduced group pump demo to optimise nursing time





NHS

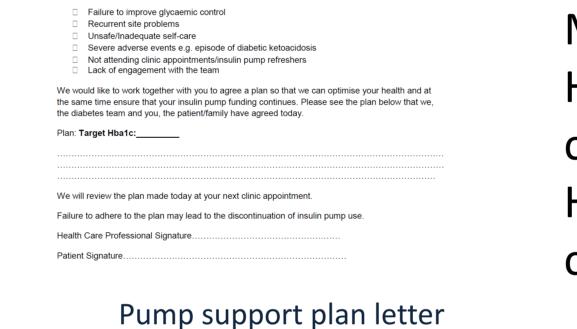
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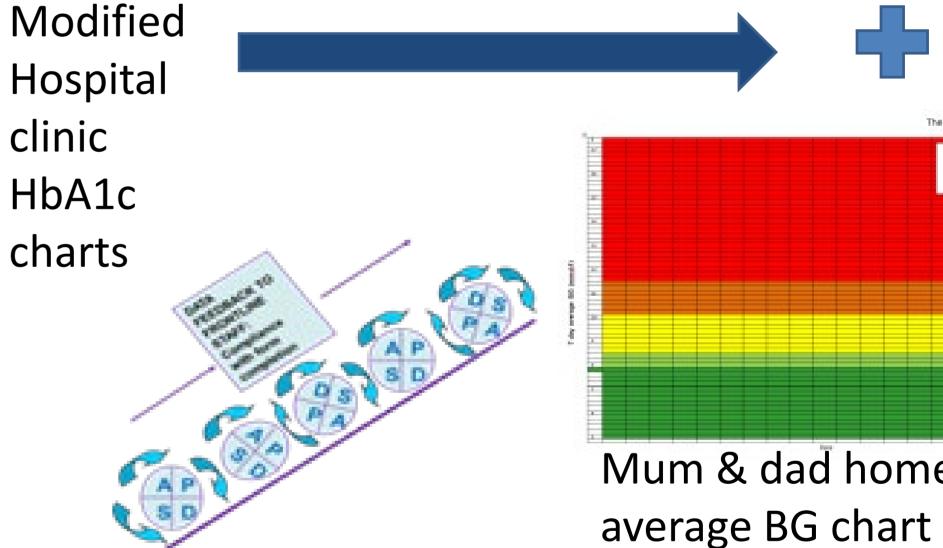
responsibility equity safety

**The Hillingdon Hospitals** 

### **Other areas of focus:**

- Encouraging CYP to reflect on average blood glucose (BG) readings (as learnt at QI) using the developed average BG chart for home monitoring
- Modified existing hospital clinic HbA1c chart to influence tighter targets
- Further adapted our intervention pathways (based on HbA1C, age, trends)





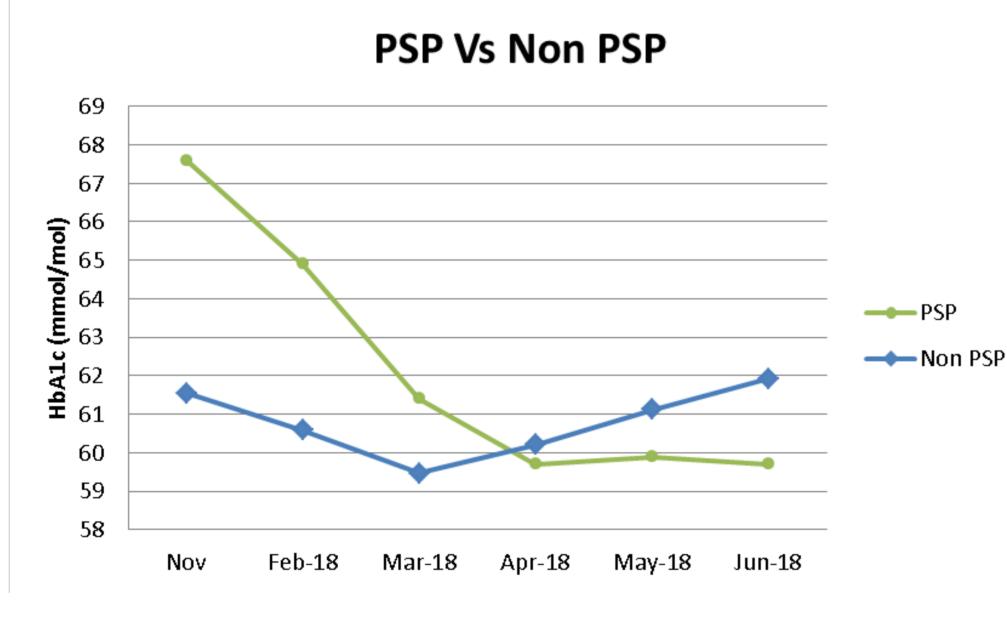
The Hillingdon Hospitals [WW3]

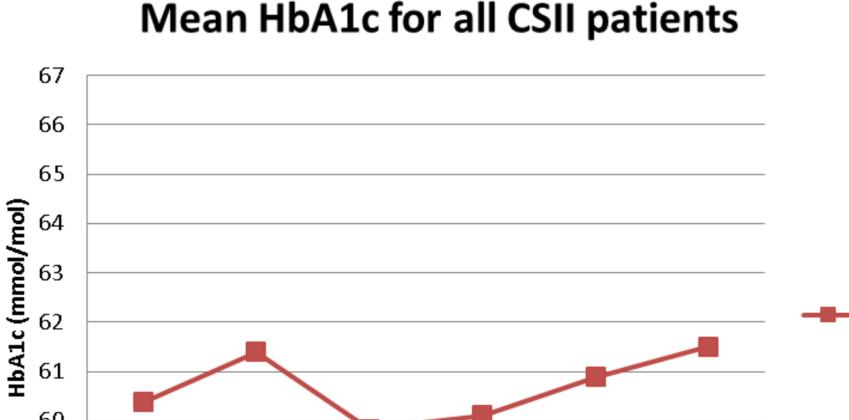
# he Hillingston Hospitals Mum & dad home clinic

## Effect of changes

- It is motivating to see our QI data showing significant improvements for PSP supported CYPD
- Initially time consuming but our journey has demonstrated resultant streamlining and efficient use of resources to maximise benefits

## Data and results



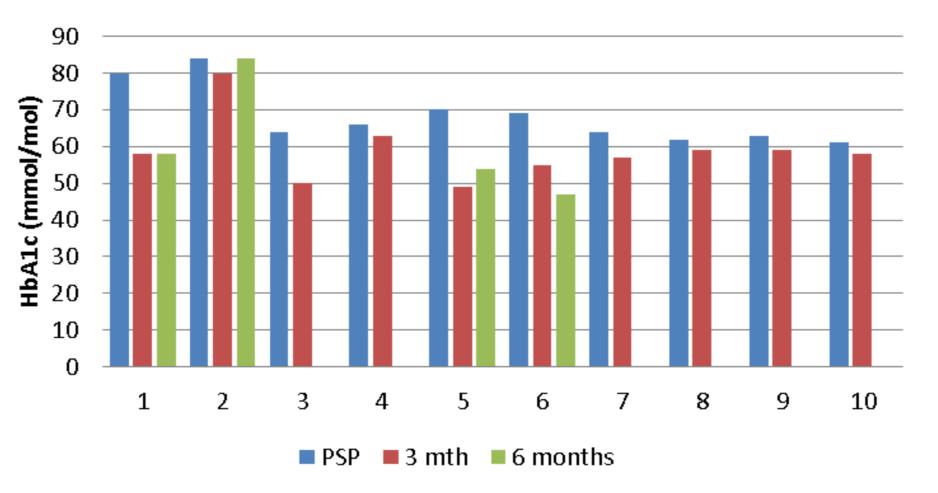


So far:

- Plan (PSP) PDSA Pump Support started November 2017
- CYP commenced PSP on different dates
- 10 CYP have completed a PSP (3 months)
- 10/10 remained on CSII following PSP
- 10/10 showed reduction in HbA1c
- 4/10 have had a 6 month follow up. All but 1 showed sustained improvements
- A further 3 CYP have commenced PSP in May



### HbA1c indvidual tracker



for CYPD

## Key messages

- QI principles drive service changes
- Time spent on QI is time saved later
- Regular PDSA reviews are important
- Team cohesion and resilience is vital

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