

Alder Hey Children's Hospital



Our administrative team:

Ann Mason, Camilla Spengler

Our dietitians:

Sophie Chidlow, Joanne Elliott, Emma O'Sullivan

Our doctors:

Mark Deakin, Princy Paul, Atrayee Ghatak, Fulya Mehta, Claire McNamara, Julie Green, Tabitha Osborne

Our nurses:

Sue Kerr, Jonathan Mimmagh, Kath Millar, Keith Thornborough, Noala Bradshaw, Anna Bradley, Diane Brookman

Our health care assistant:

Jackie Jones

Our psychologists:

Anna Simmonds, Lyndsey Carlson,

Our purpose and our areas of work

Educate
Motivate
Partnership
Openness
Wellbeing
Excellence
Respect

1. Reduce median Clinic HbA1c from 64mmol/mol to 58mmol/mol by April 2020

2. Improve 7 care process delivery for all >12 year olds to 75% by April 2020

3. Increase Psychology screening rate for all patients to 95% by April 2020

4. Reduce diabetes related admissions in known diabetes patients by 50% by April 2020

5. Reduce length of in-patient stay for newly diagnosed diabetes patients by 25% by April 2020

Aim 1: Reduce median Clinic HbA1c from 64mmol/mol to 58mmol/mol by April 2020

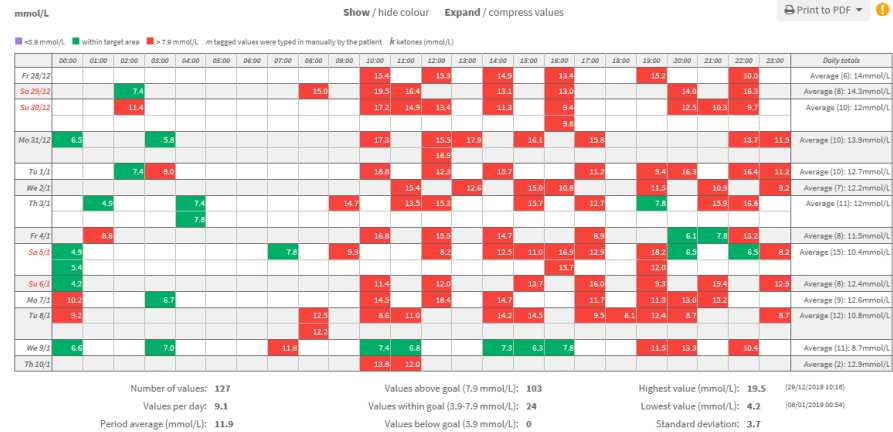
Initial routine Name _____ Date _____ Alder Hey Children's NHS Foundation Trust

15 mins before breakfast	15 mins before lunch	15 mins before evening meal	Bedtime
Test	Test	Test	Test
Injection	Injection	Injection	Injection

Additional testing is required if Hypoglycaemia is suspected or feeling unwell.

If Blood glucose is above 14mmol/L test for Blood ketones.

Emergency contact numbers :- 8am – 6pm 0151 252 5766, After 6pm until 8am, weekends and bank holidays – 0151 228 4811



Improving patient education: from diagnosis and beyond

My HbA1c Record

Today:	mmol/mol
Target for next review	mmol/mol
Overall Target	48mmol/mol and below
Target AVERAGE Blood Glucose level	

INFORMATION PRESCRIPTION
Changes made in clinic today and date:

Average Daily Glucose (mmol)	HbA1c (mmol/mol)
5.4	31
6.2	37
7.0	42
8.0	48
8.6	53
9.4	58
10.2	64
11.0	69
11.8	75
12.6	80
13.3	86
14.1	91
14.9	97
16.5	108
18.1	119
19.7	130

You can monitor your average blood glucose level every week on your blood glucose meter. The table shows how your HbA1c reading is related to your average daily blood glucose levels. It is important to aim for the best possible HbA1c level. This will have a positive benefit on your general health and help prevent the onset and progression of complications.

Alder Hey Children's NHS Foundation Trust
My Diabetes Clinic and Information Prescription
Date: _____

Children and Young People's Diabetes Service

Annual Review Due: _____ Date: _____
You will need to bring with you:
Early morning urine sample
Eye Screening Report
Completed Psychology

Alder Hey
Eaton Road
Liverpool L12 2AP
Phone: 0151 252 4515 (Ann Major)
Email: diabetes@alderhey.nhs.uk
EMERGENCY LINE 0800-1800-252 5766 and OUT OF HOURS via Alder Hey 228 4811

NHS Alder Hey Children's NHS Foundation Trust Alder Hey Children's Charity

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Diabetes

INFORMATION & GUIDELINES
MEET THE TEAM
VIDEO GUIDES

RESEARCH AND PUBLICATIONS
CONTACT US

Alder Hey Diabetes Twitter

AlderHeyDiabetes @AlderHeyDiab
Any budding artists out there???? Why not have a go at this?

Retweeted on Jan 5, 2019
Reply Retweet Favorite

AlderHeyDiabetes @AlderHeyDiab
2018 has been a busy year. Wishing everyone a wonderful 2019 from all of the AlderHeyDiab team.

Retweeted on Jan 5, 2019
Reply Retweet Favorite

AlderHeyDiabetes @AlderHeyDiab
Merry Christmas everyone!! Can you spot the Diabetes Team??

Aim 1: Reduce median Clinic HbA1c from 64mmol/mol to 58mmol/mol by April 2020

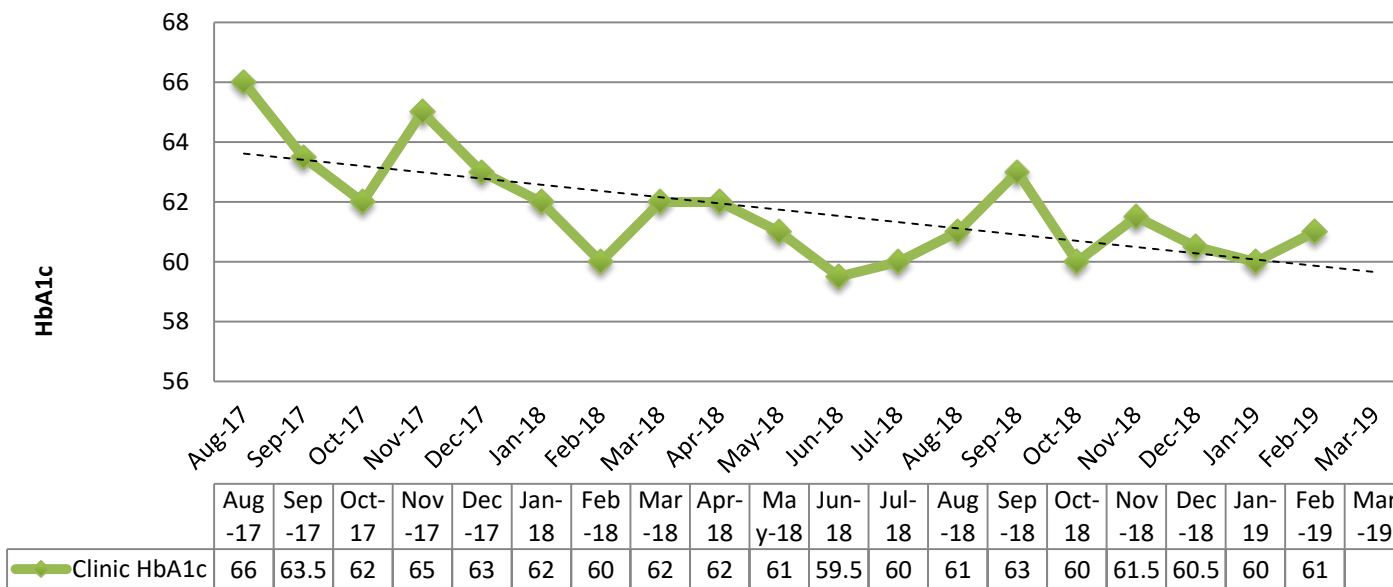
Site Values - Outcomes

Note: The data presented below on HbA1c relates to the results for the children and young people with Type 1 diabetes and one or more valid HbA1c measurements in the audit period:

Mean HbA1c	Median HbA1c	Number of admissions	Number of DKA admissions	Required additional psych support
64.0 (from 403 records)	62.0 (from 403 records)	45	4	147 (from 407 records)
52.5 (from 15 records [0-4])	52.5 (from 15 records [0-4])			
58.2 (from 79 records [5-9])	57.5 (from 79 records [5-9])			
63.1 (from 179 records [10-14])	61.5 (from 179 records [10-14])			
70.1 (from 123 records [15-19+])	67.0 (from 123 records [15-19+])			

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Median Clinic HbA1c 2017-19



Improve 7 care process delivery for all >12 year olds to 75% by April 2020

Audit banner in clinic

Twinkle J (AH1 4) Type 1
 NHS: Sex: M - DOB: Age: 17 Yrs 8 Mths - Diabetes duration at episode: 3 Yrs 10 Mths
 Diabetes MDT Clinic 07/01/2019 ADHD Multiple Drugs

Record Review Episode Detail

Episode date * (NPDA): 07/01/2019 Time: 09 : 35 End time: : Attended: Yes Clinic: Diabetic Clinic Dr Deakin
 Nurse: Kerr, Sue Diabetologist: Deakin, Mark Other: Chidlow, Sophie Visit reason: Management

Paediatric Summary Admin Assessment Diabetes Treatment Clinical Treatment Education Eye Foot Lab Referral

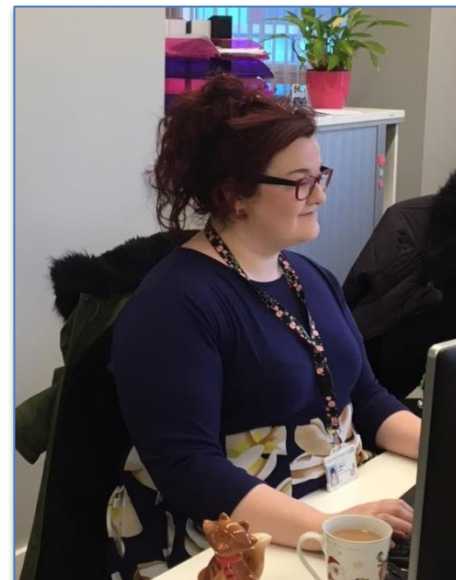
Patient Care Indicators

ACR 05/03/2018 BMI 07/01/2019 Foot surveillance 09/07/2018 Eye screening Not recorded
 HbA1c 07/01/2019 TSH 09/07/2018 Blood pressure 07/01/2019 All care processes

Paediatric Episode Summary

BP Sitting (NPDA): Height (cm) (NPDA): Weight (kg) (NPDA): BMI (kg/m2):
 133 / 93 187.5 111.5 31.72

Data Champion



Annualised care delivery



Monthly NPDA uploads

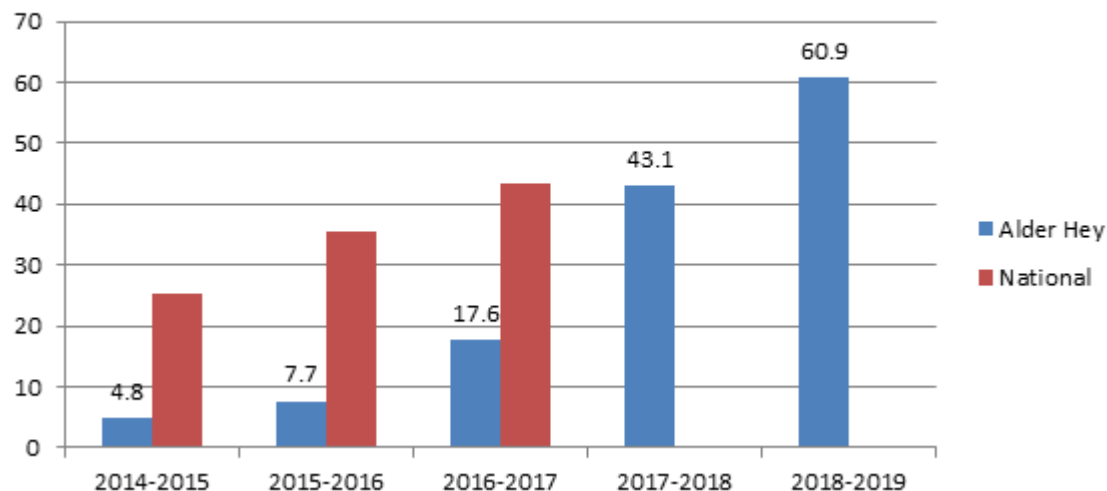
The Overall Completeness is patients aged 12 years or older on the first day of the audit with a complete year of care, who received all seven key care processes:

Age	HbA1c	BMI	Thyroid	Blood Pressure	Urinary Albumin	Eye Screening	Foot Examination	Total
Less than 12	100.0% (161/161)	99.4% (160/161)	93.8% (151/161)	N/A	N/A	N/A	N/A	93.2% (150/161)
12 & Over	100.0% (192/192)	99.5% (191/192)	91.1% (175/192)	99.5% (191/192)	90.1% (173/192)	70.8% (136/192)	94.3% (181/192)	80.9% (117/192)
Overall	100.0% (353/353)	99.4% (351/353)	92.4% (326/353)	99.5% (191/192)	90.1% (173/192)	70.8% (136/192)	94.3% (181/192)	75.6% (267/353)

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Improve 7 care process delivery for all >12 year olds from 60% to 75% by April 2020

7 Care processes - 60.9%



QI process started
January 2018

The Overall Completeness is patients aged 12 years or older on the first day of the audit with a complete year of care, who received all seven key care processes:

Age	HbA1c	BMI	Thyroid	Blood Pressure	Urinary Albumin	Eye Screening	Foot Examination	Total
Less than 12	100.0% (161/161)	99.4% (160/161)	93.8% (151/161)	N/A	N/A	N/A	N/A	93.2% (150/161)
12 & Over	100.0% (192/192)	99.5% (191/192)	91.1% (175/192)	99.5% (191/192)	90.1% (173/192)	70.8% (136/192)	94.3% (181/192)	60.9% (117/192)
Overall	100.0% (353/353)	99.4% (351/353)	92.4% (326/353)	99.5% (191/192)	90.1% (173/192)	70.8% (136/192)	94.3% (181/192)	75.6% (267/353)

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Increase Psychology screening rate for all patients to 95% by April 2020



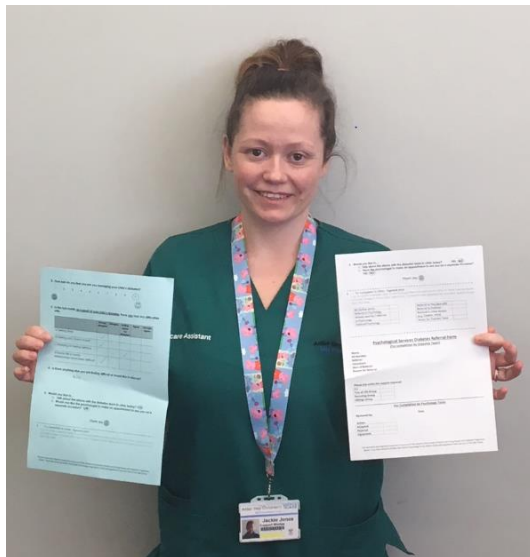
Process improved

- Shortened form
- Completed before clinic appointment
- Used as a prompt for clinic discussions
- Referral to psychology on back of form

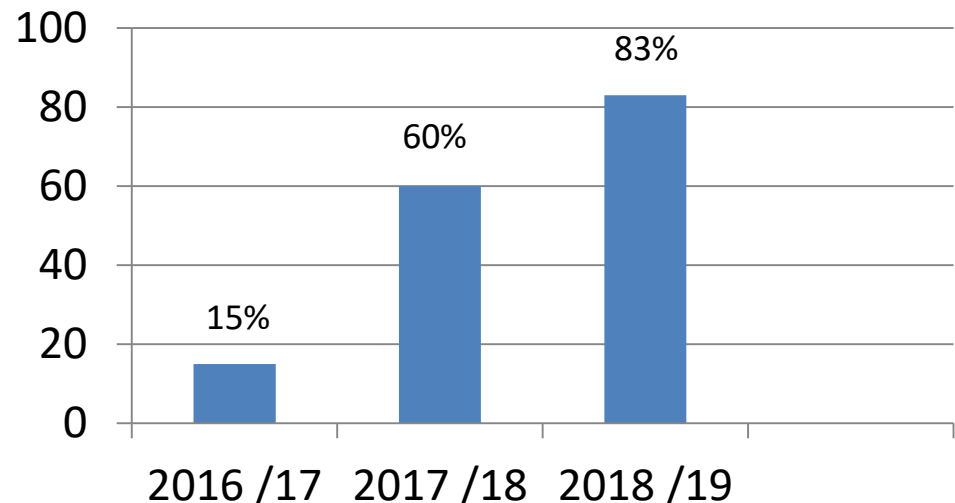
Data quality improved:

- Screening ticked in clinic
- Psychology team tick patients under active treatment

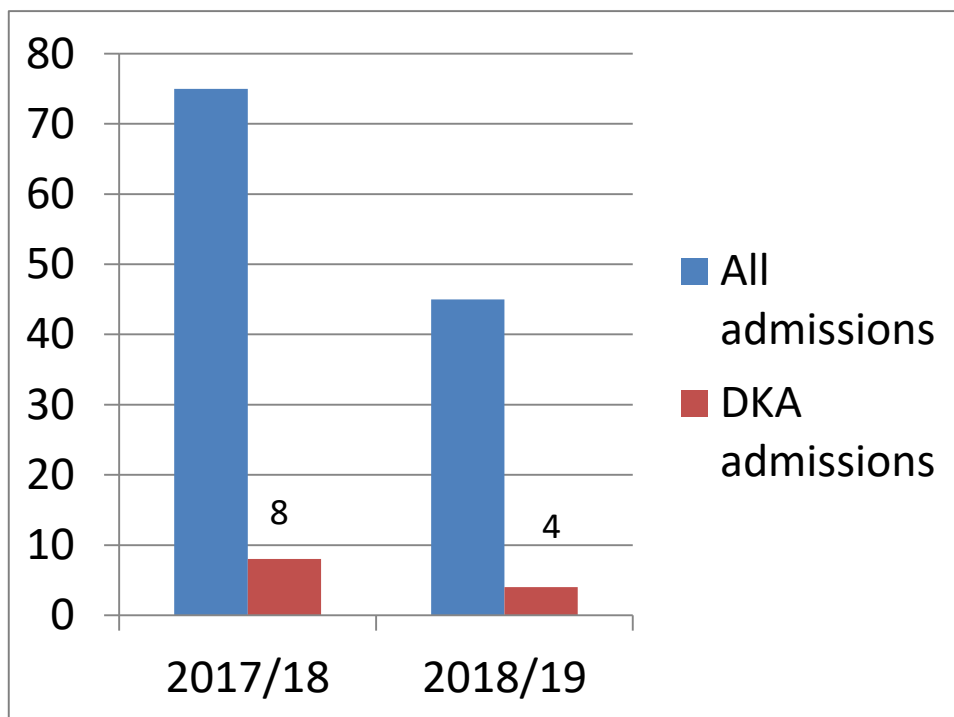
Next Step: Jackie. HCA in clinic ensuring questionnaires given out



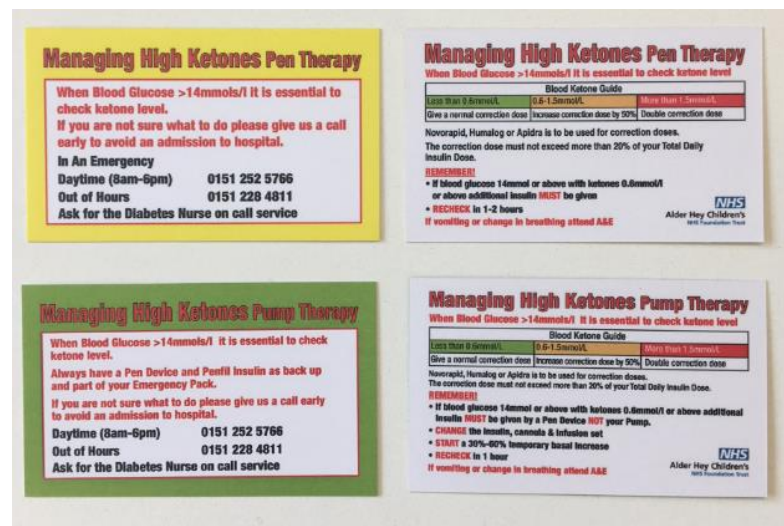
Psychology Screening Rates



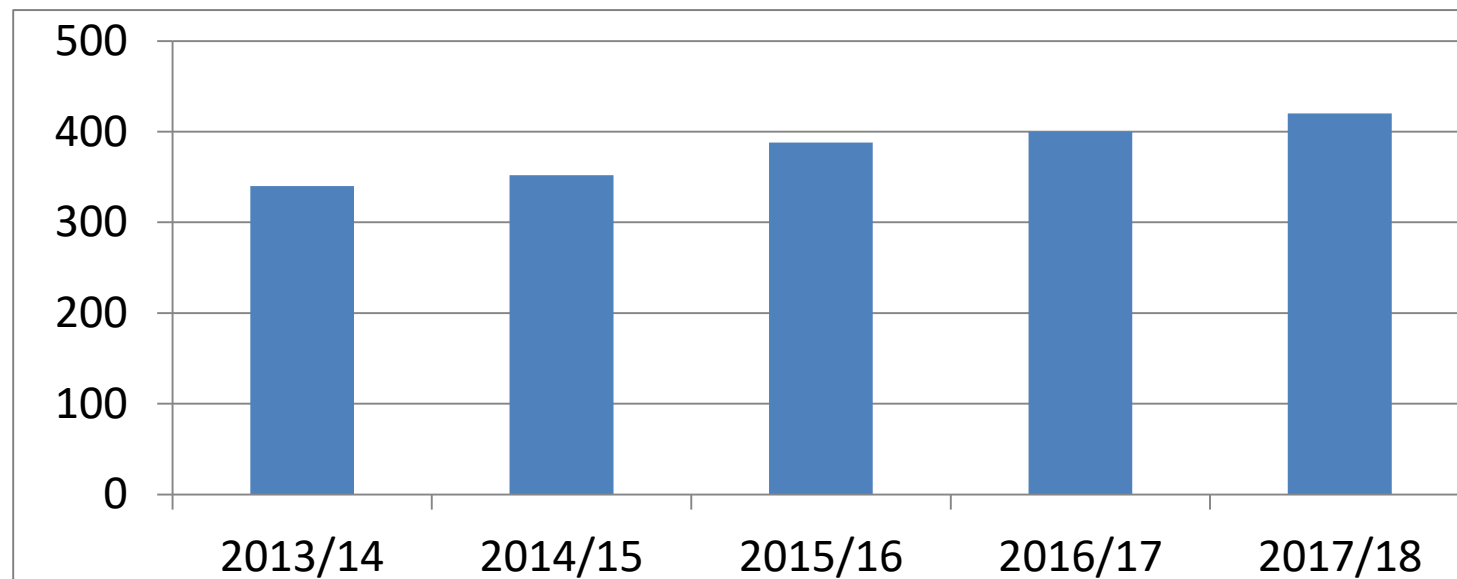
Reduce diabetes related admissions in known diabetes patients by 50% by January 2020



- Improved data quality with monthly coding review
- Further work to understand accuracy of data



Reduce length of in-patient stay for newly diagnosed patients by 25% by January 2020



- Challenging area – short staffed within the diabetes team
- Ward training proving to be a much bigger job
- Community Nursing team – difficult to engage
- Unable to secure diabetes training room
- Still an area to work on but ward training the priority



Embedding and Sustaining Quality Improvement

Celebrating Success

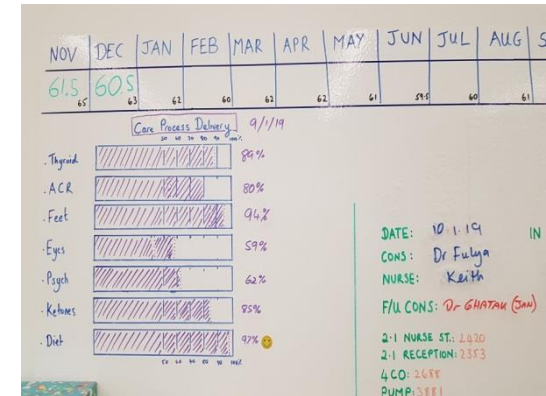


STRIVE FOR
PROGRESS
NOT
PERFECTION



Whole team
approach

Data Data Data!!!



CYP and Family engagement



PROACTIVE
~~REACTIVE~~

Stealing ideas

