Reviewing my data: What does it all mean?

Dr Fraser Gibb

MB ChB B Consultan Honorary S

Supported by a restricted educational grant from Abbott

- MB ChB BSc (Hons) PhD FRCP
- Consultant Diabetologist, Royal Infirmary of Edinburgh
- Honorary Senior Lecturer, University of Edinburgh





Dr Fraser Gibb

- Consultant Diabetologist, Royal Infirmary of Edinburgh
- Honorary Senior Lecturer, University of Edinburgh
- DTN-UK committee member

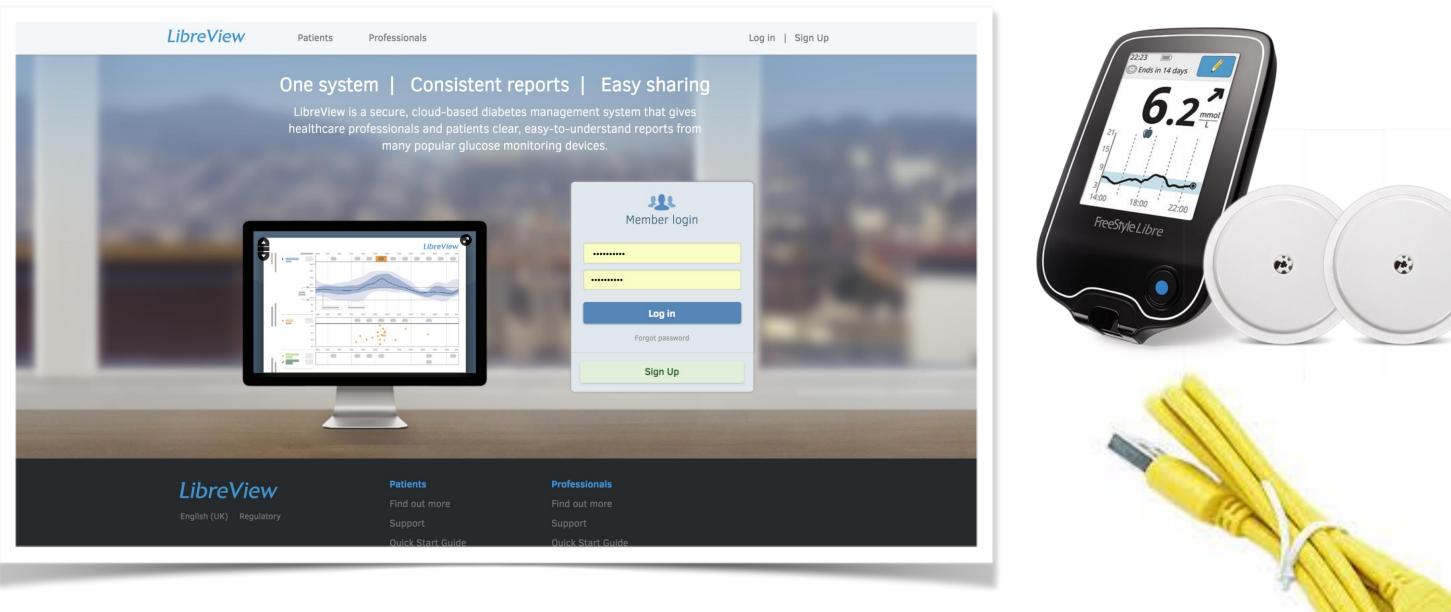
Disclosures:

- Personal fees and educational grants from:
- Dexcom, Novo Nordisk and Sanofi





Introduction

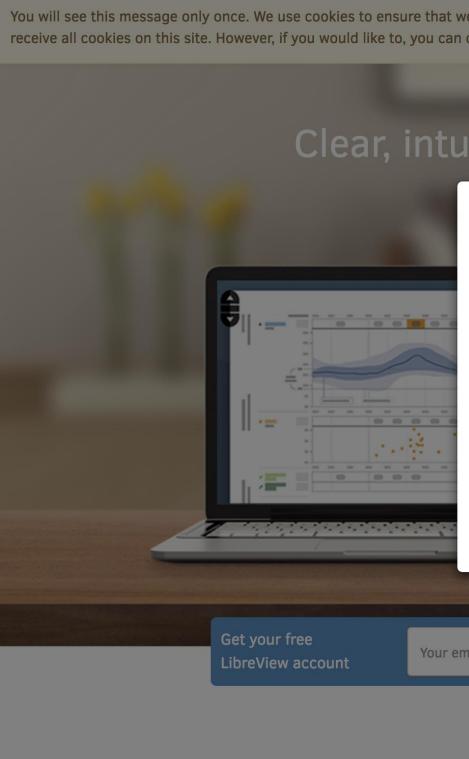


Regular data review is essential to get the most out of Libre









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	English (UK)	~	easy-to-read reports from meter and share them with	
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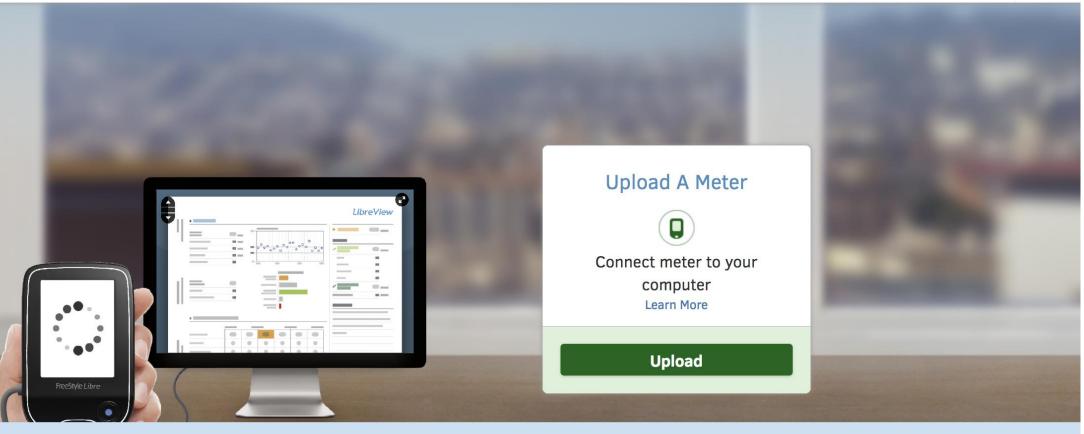
How it works







LibreView



Upload Tips

Make sure you have the correct cable for your device. Find out which cable you need for your device

Check to see which meters are supported. Supported meters

Having trouble downloading the LibreView Device Drivers software? Click here.

Learn more

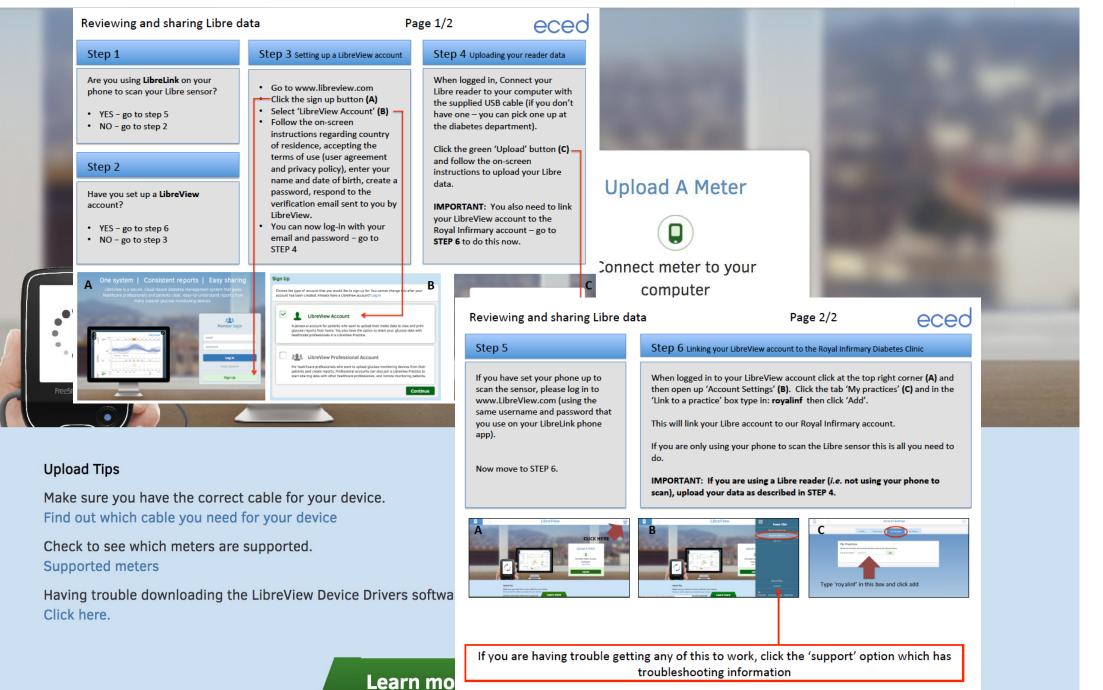




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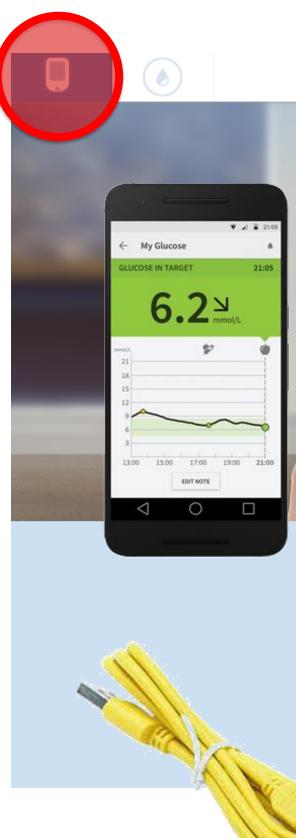
LibreView



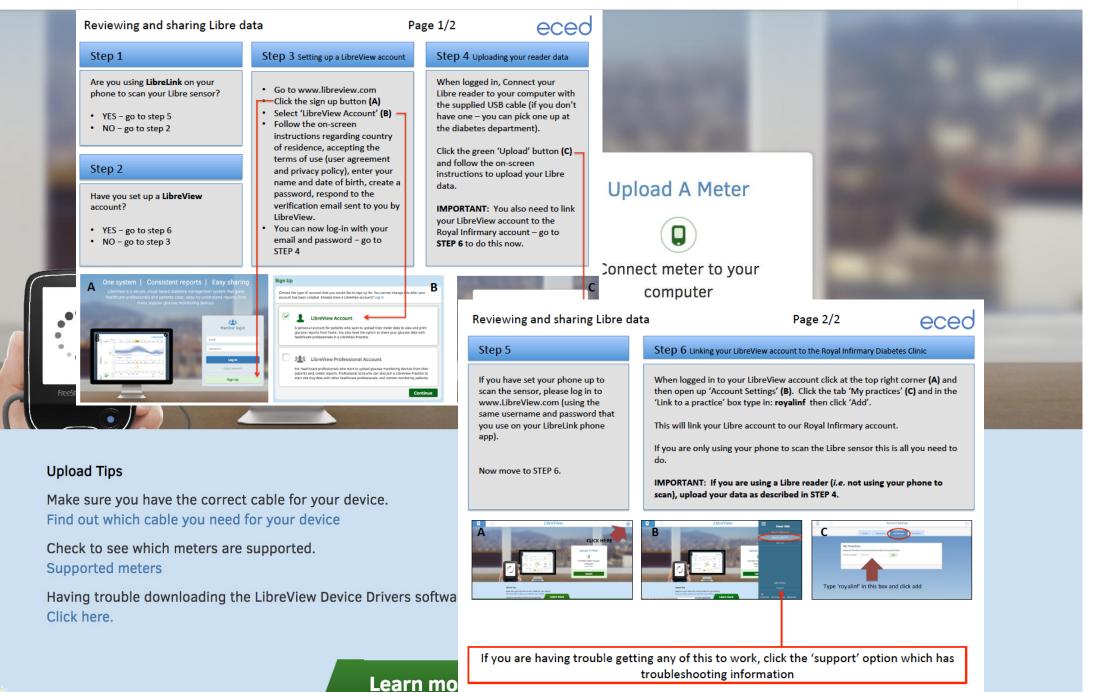




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LibreView







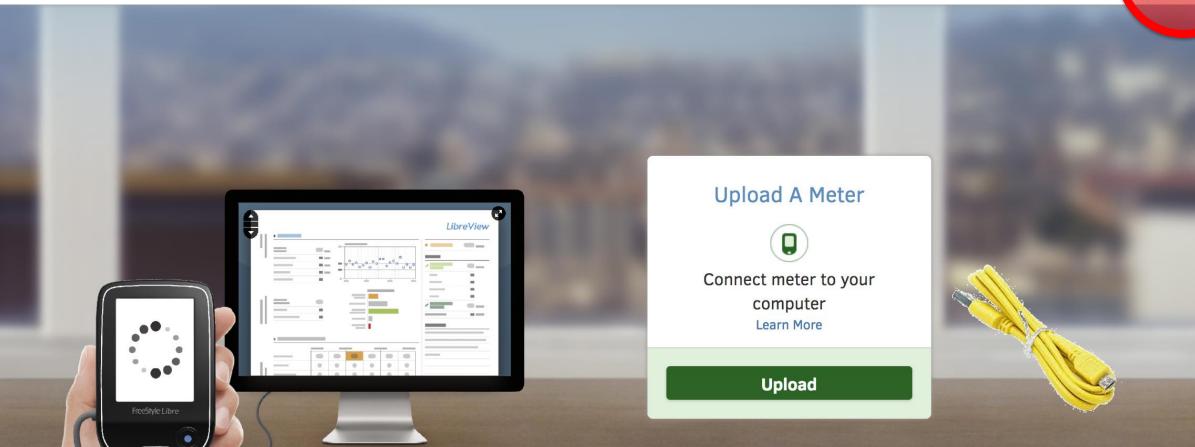


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LibreView – clinic link



LibreView



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Make sure you have the correct cable for your device. Find out which cable you need for your device

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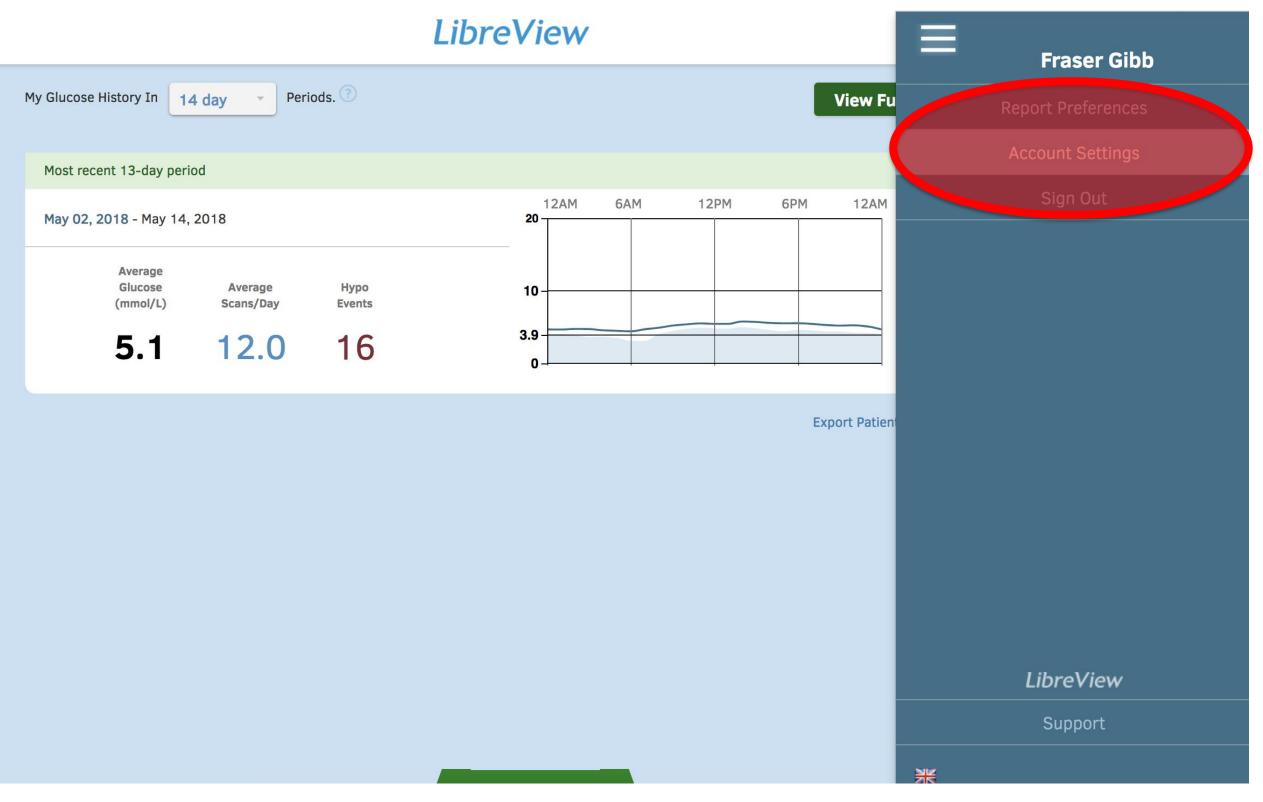






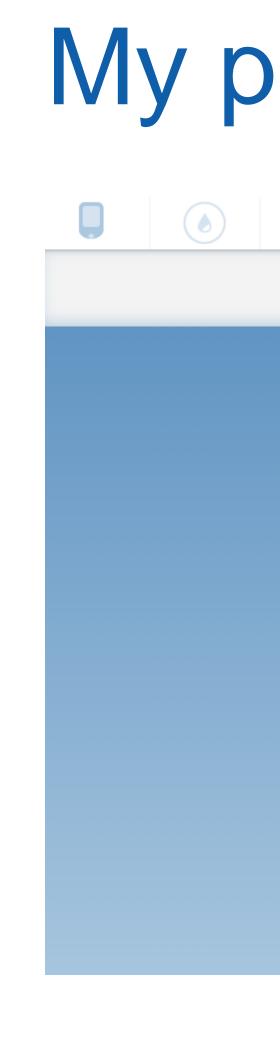


Account settings

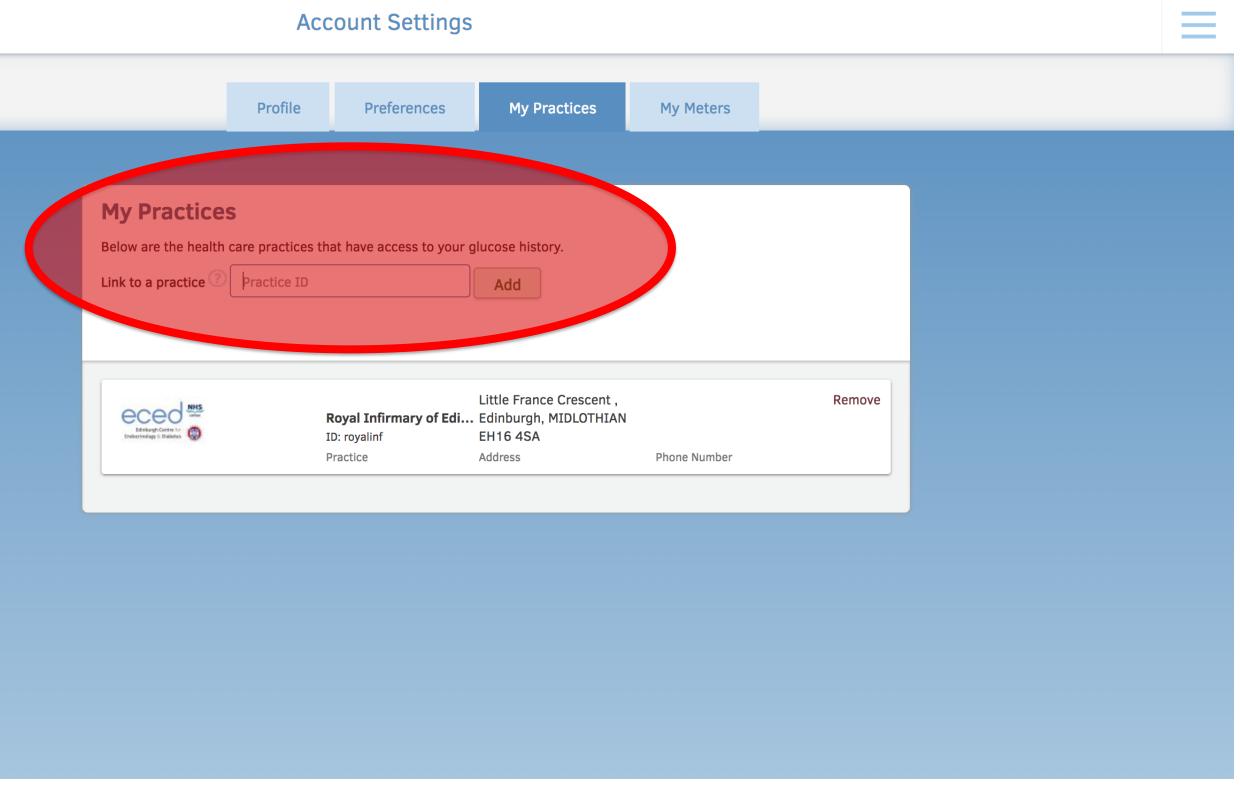








My practices

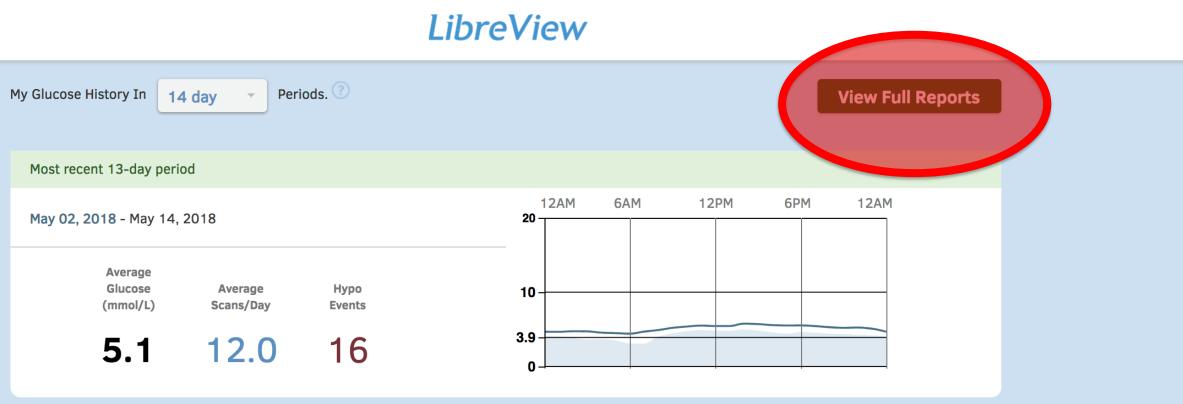








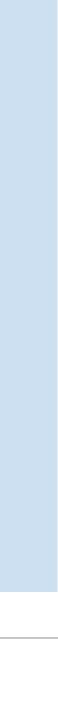
LibreView – your reports

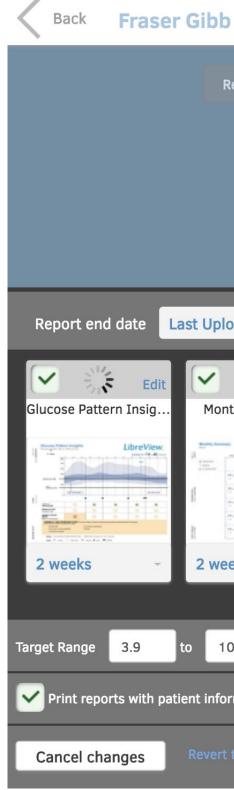


Export Patient's Glucose Data









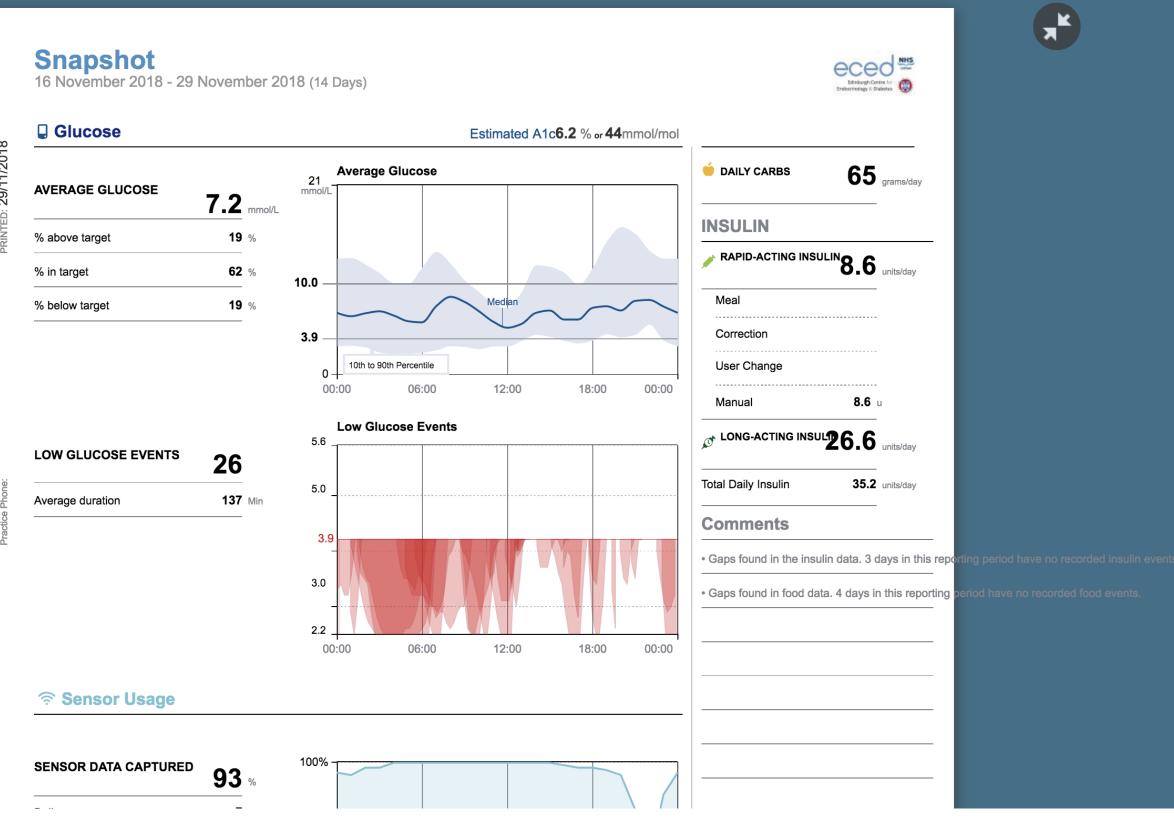
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eks 👻	2 weeks -	2 weeks -	2 weeks -	2 weeks	2 weeks	
0.0 mmol/L L	ow Glucose Threshold	3.9 mmol/L High (Glucose Threshold 13.9	mmol/L		
rmation						
to report default s	ettings					Generate rep





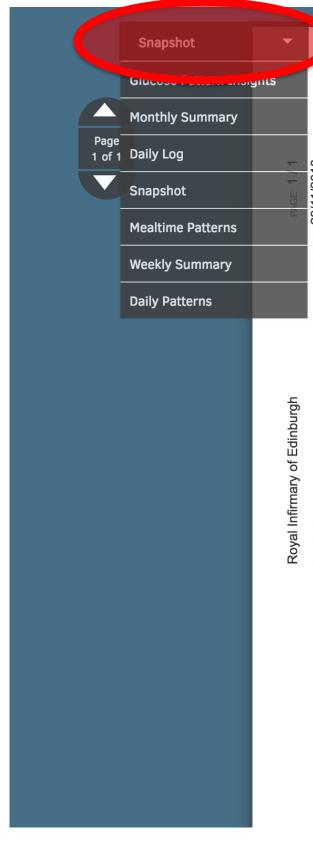


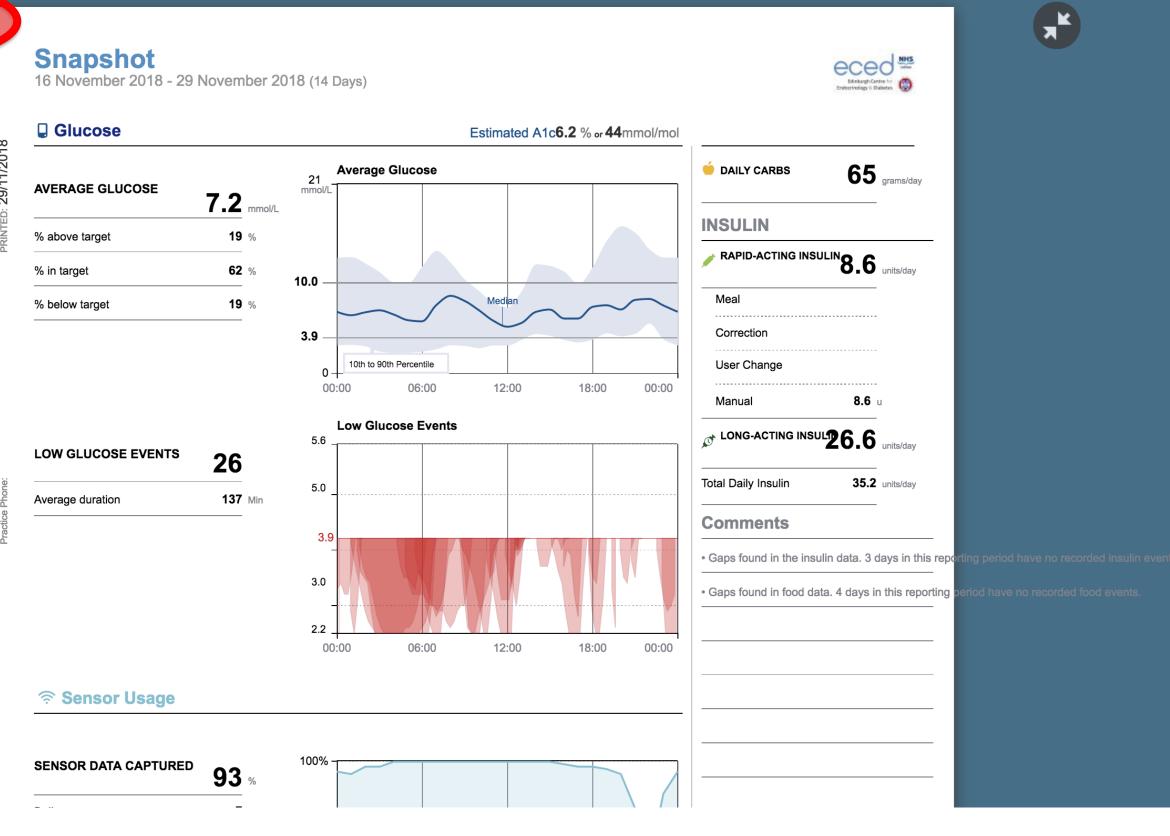






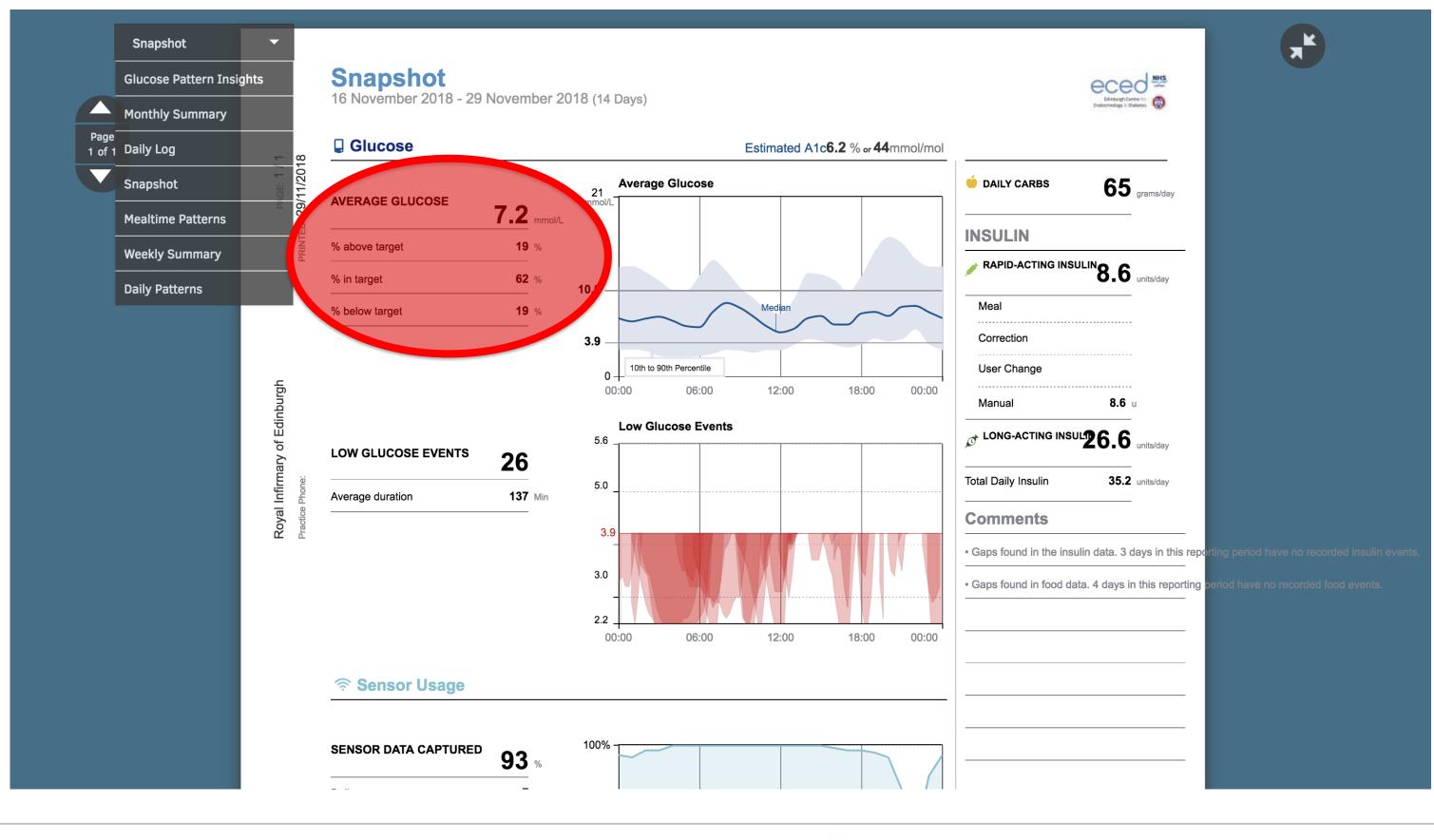








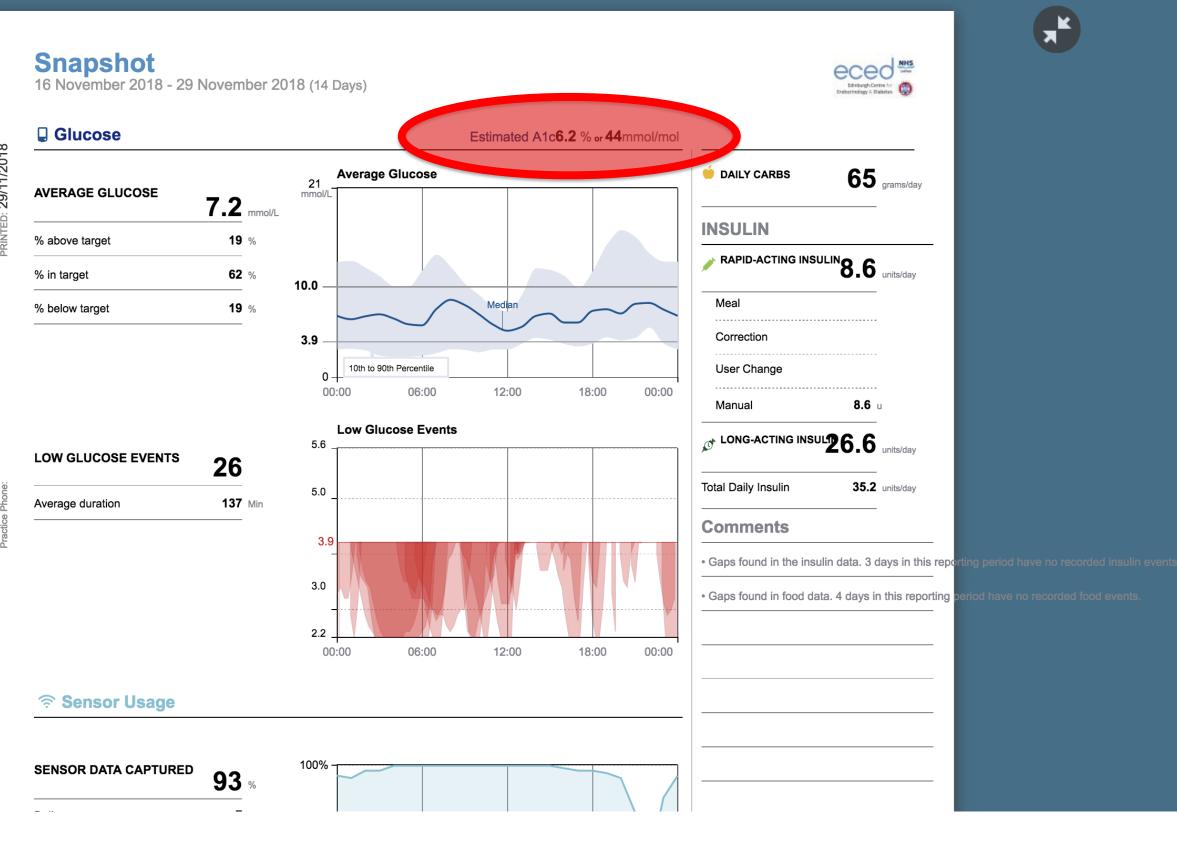






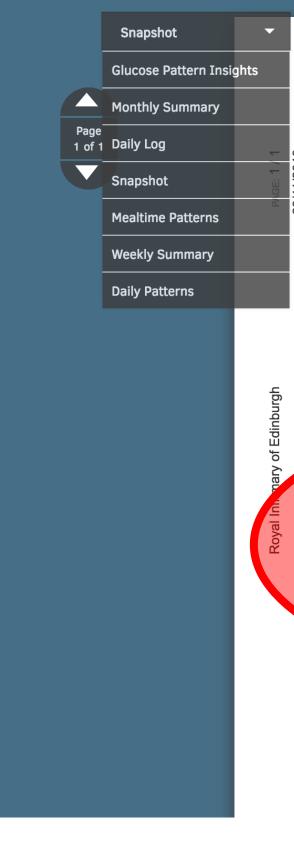


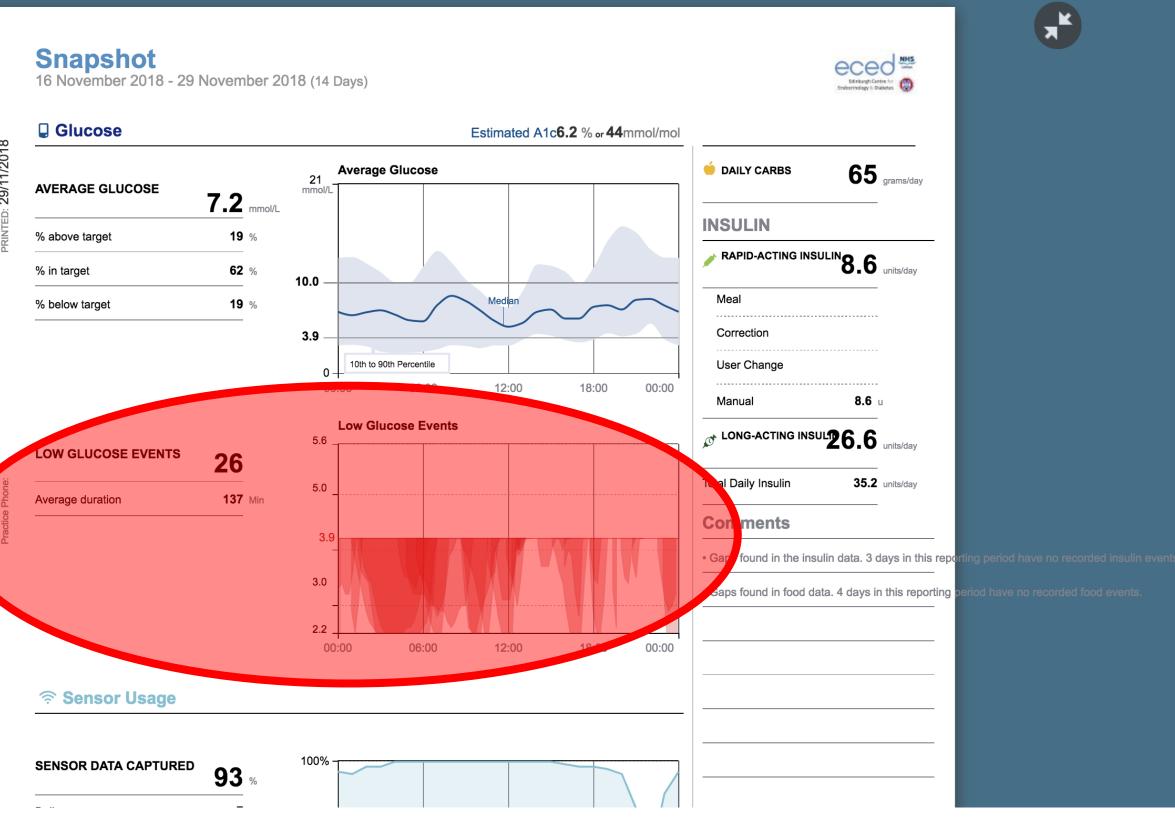








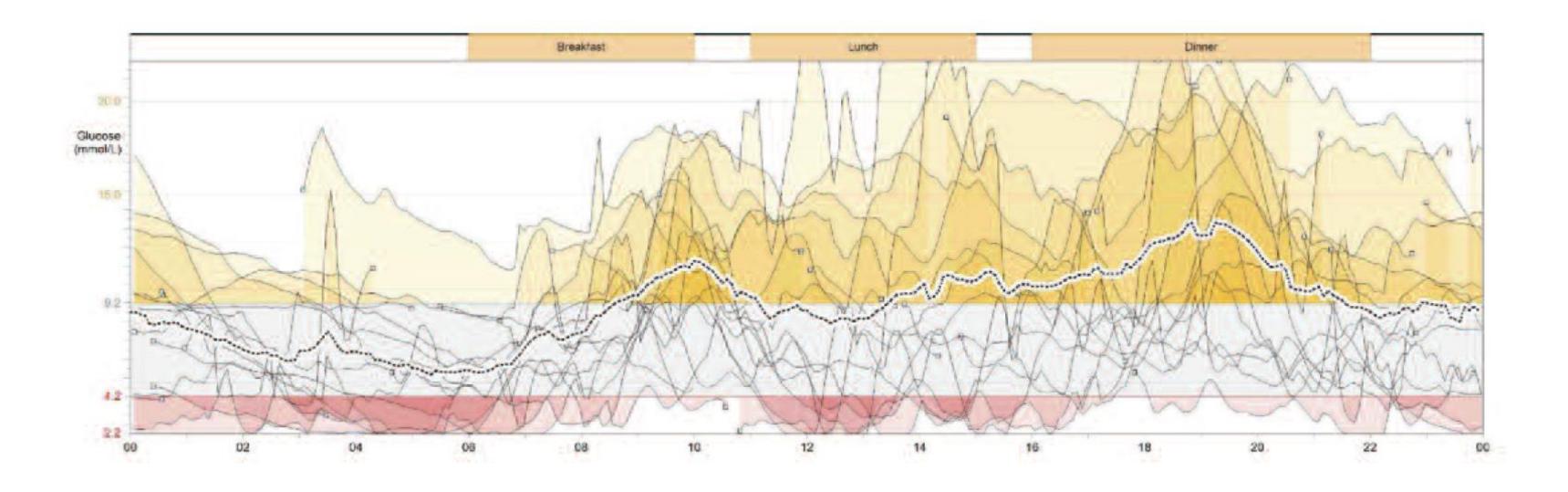








The 'spaghetti' of CGM



From Hammond P. Interpreting the ambulatory glucose profile. *Br J Diabetes* 2016; 16(S1): S10 – S15

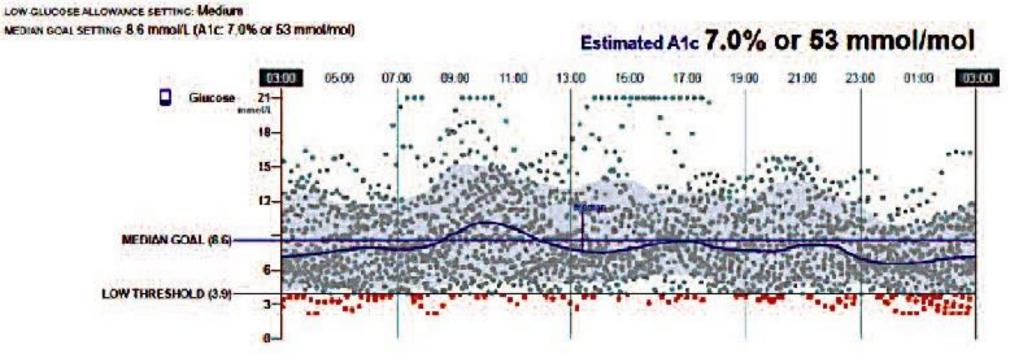




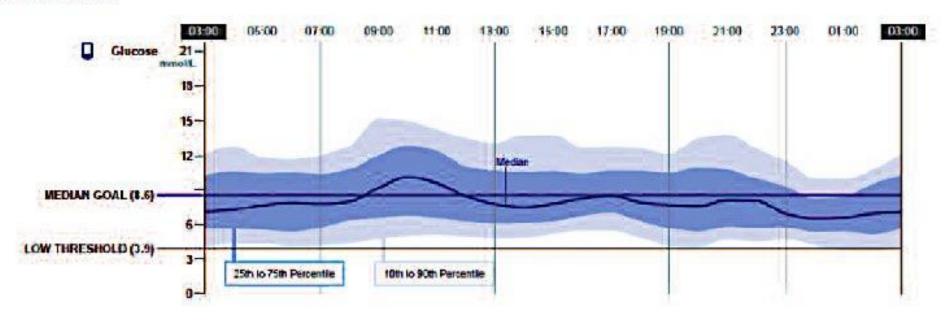


Ambulatory Glucose Profile

a) Raw scattered data



b) The ambulatory glucose profile derived from the same data reveals periods of increased hypoglycaemia risk between 00.00-08.00 and 18.30-20.30.



From Hammond P. Interpreting the ambulatory glucose profile. *Br J Diabetes* 2016; 16(S1): S10 – S15



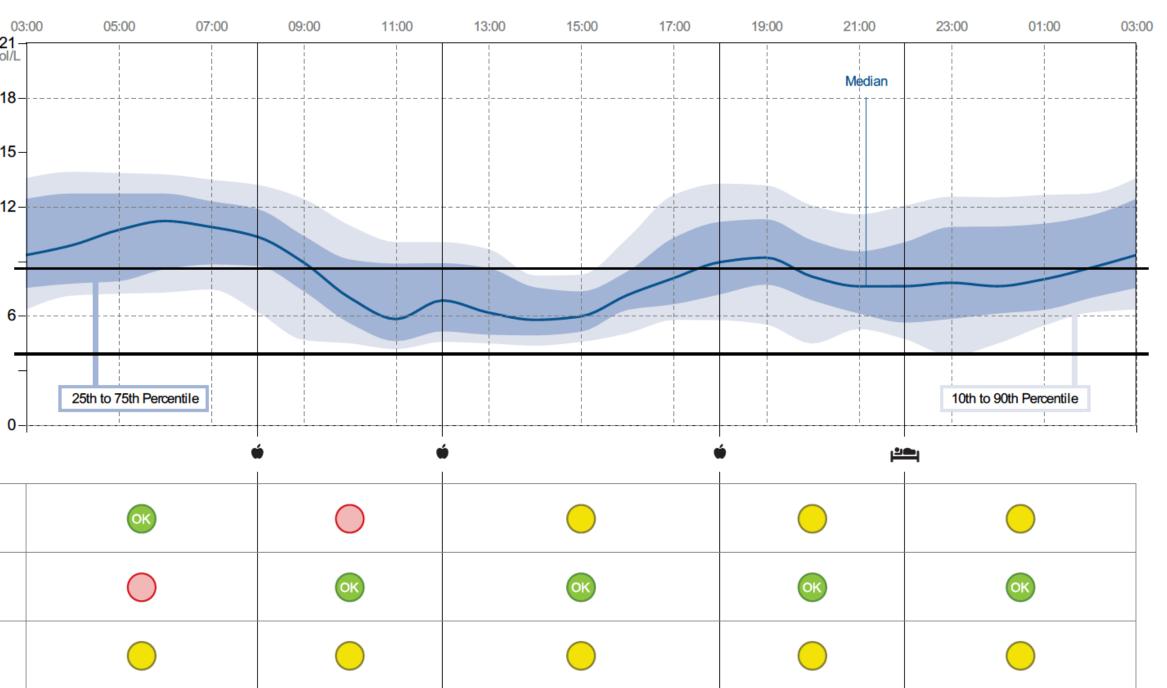




Glucose Pattern Insights

16 November 2018 - 29 November 2018 (14 Days)

PAGE: 1 / 1	2018	Glucose
PAGE	29/11/	2 mmo
	PRINTED: 29/11/2018	1
		1
		1
		MEDIAN GOAL 8.6
f Edinburgh		LOW THRESHOLD 3.9
Royal Infirmary of Edinburgh	Practice Phone:	Likelihood of LOW GLUCOSE
Royal	Practice	MEDIAN GLUCOSE Compared to goal
		VARIABILITY BELOW MEDIAN Median to 10th percentile









Edinburgh Centre for fearinglagy & Diabetes

Estimated A1c7.0% or 53mmol/mol



Glucose Pattern Insights

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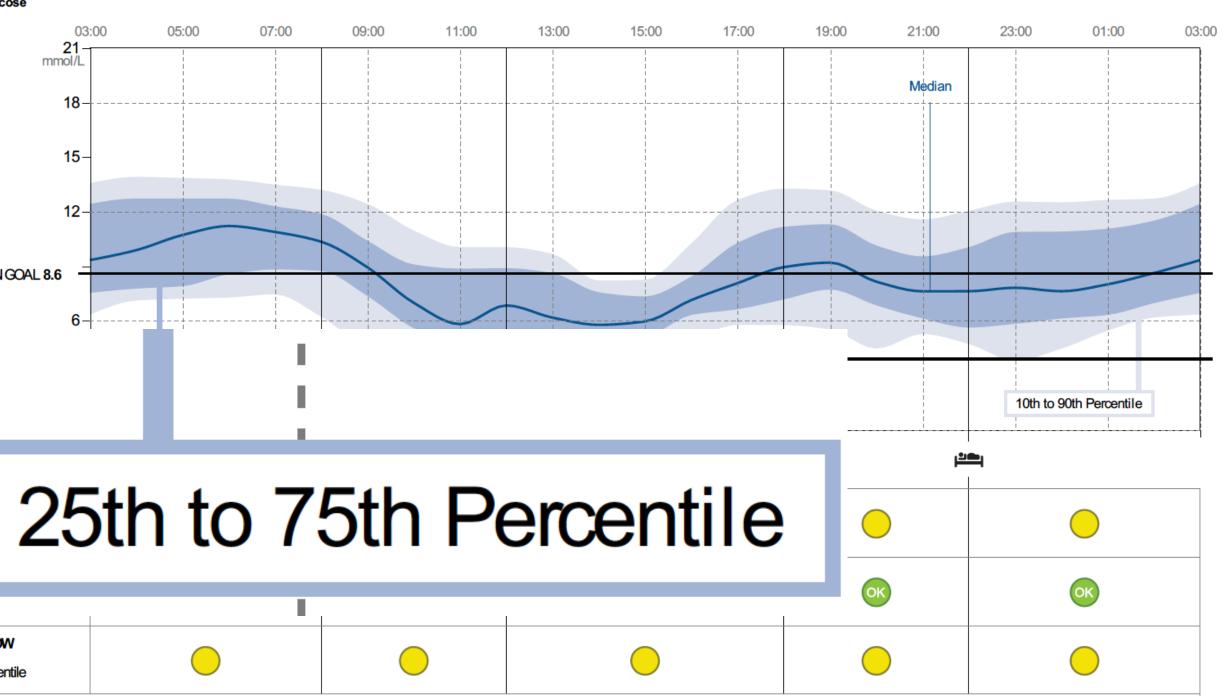
PAGE: 1 / 1 PRINTED: 29/11/2018

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VARIABILITY BELOW MEDIAN Median to 10th percentile







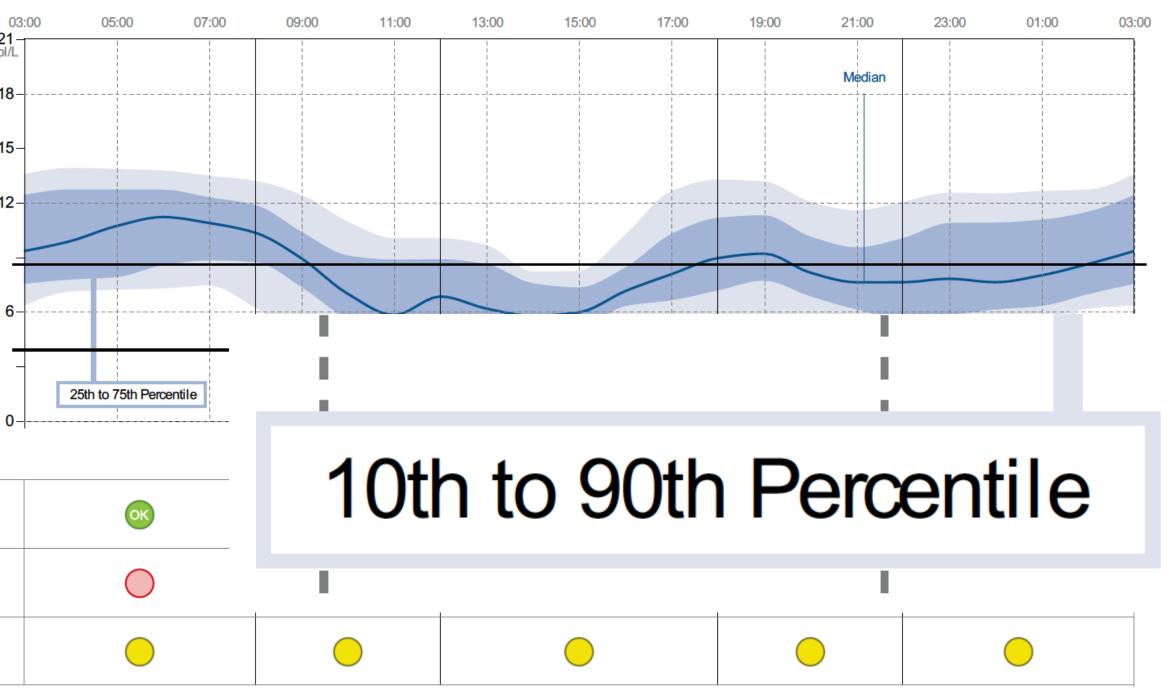
Estimated A1c7.0% or 53mmol/mol



Glucose Pattern Insights

16 November 2018 - 29 November 2018 (14 Days)

2018	Glucose
29/11/;	2 mmo
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	1
	MEDIAN GOAL 8.6
	LOW THRESHOLD 3.9
Practice Phone:	Likelihood of LOW GLUCOSE
Prac	MEDIAN GLUCOSE Compared to goal
	VARIABILITY BELOW MEDIAN Median to 10th percentile



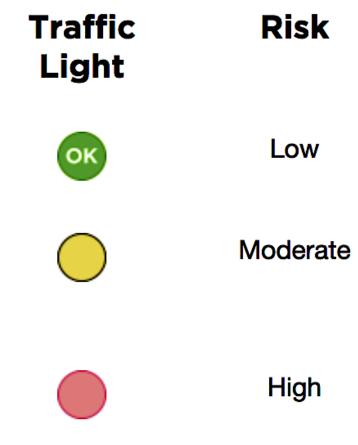






Estimated A1c7.0% or 53mmol/mol

Simple traffic lights



k What Should I Do?

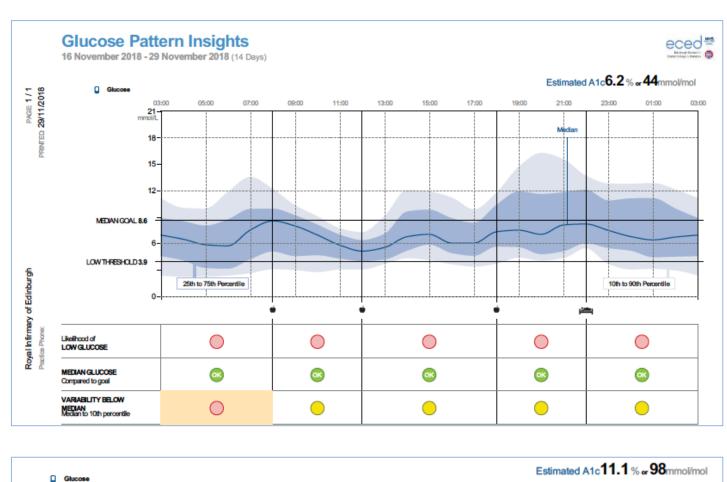
Low chance of hypo- or hyperglycaemia (most glucose results closer to target). No action required.
 Moderate or high chance of hypo- or hyperglycaemic episode (many glucose results further away from target). Consider any factor which may have contributed to this reading and check the relevant checkbox
 There is a very high risk of hypo- or hyperglycaemic episode (a lot of glucose results away from the goal). Consider any factor which may have contributed to this reading and check the relevant checkbox

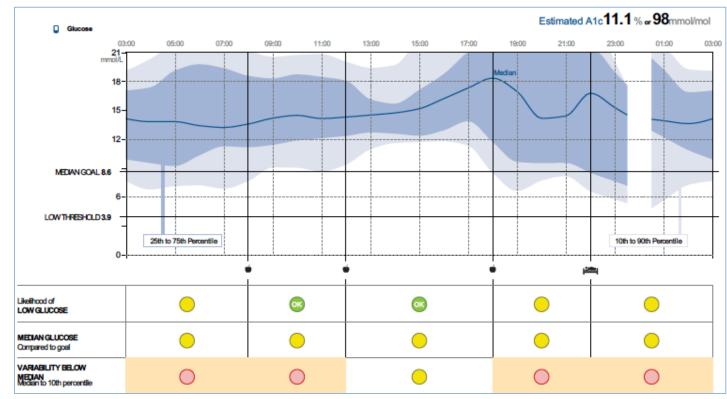




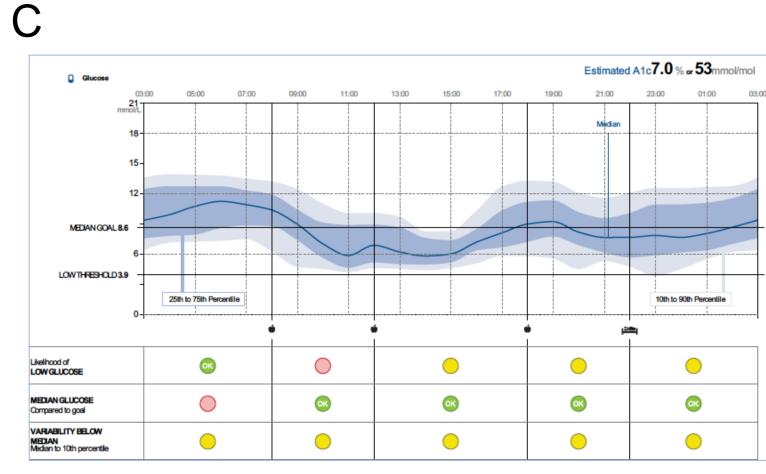
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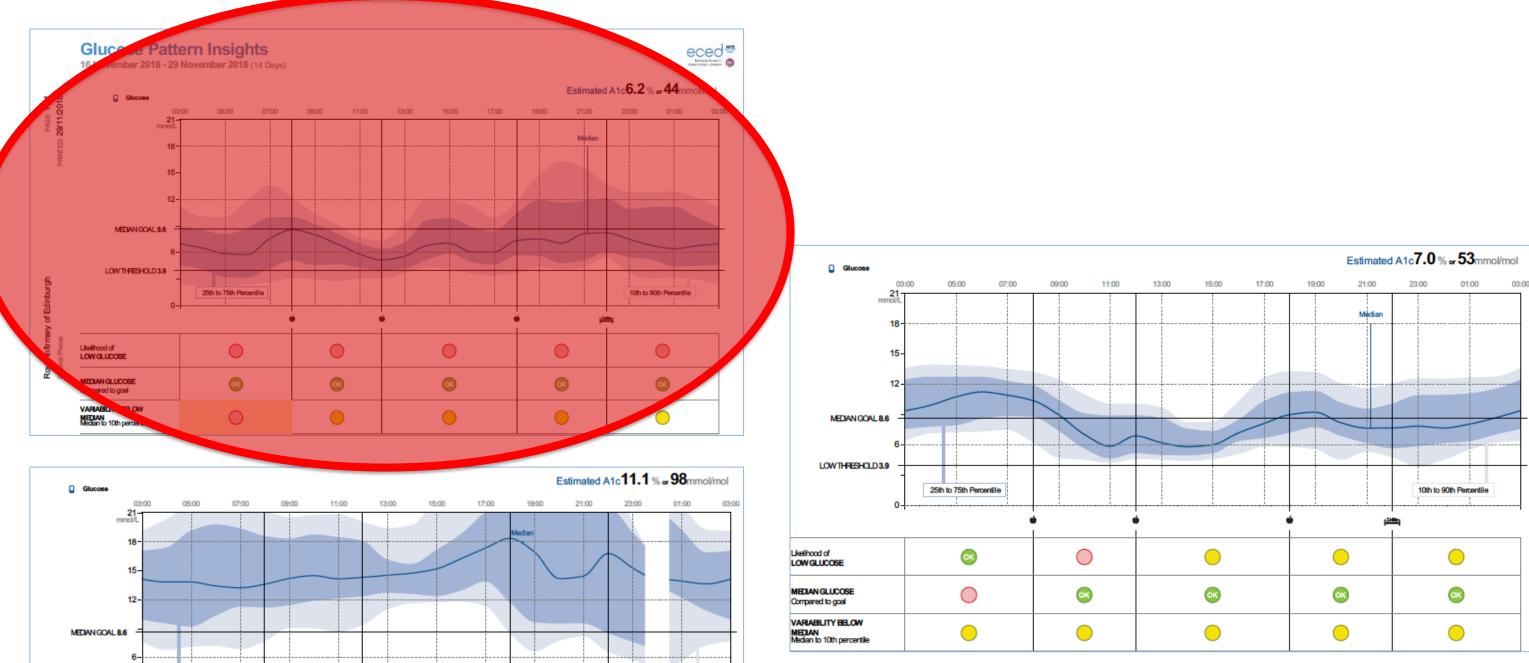
AGP and 'traffic lights'



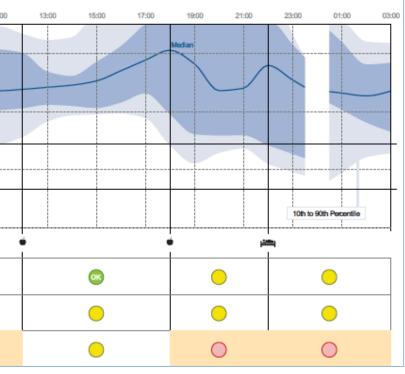








18-		
15-		
12-		
MEDIAN GOAL 8.6		
6-		
LOW THRESHOLD 3.9		
0-	25th to 75th Percentile	
	•	•
Likelihood of LOW GLUCOSE	•	8
MEDIAN GLUCOSE Compared to goal	0	0
VARIABILITY BELOW MEDIAN Median to 10th percentile	0	0







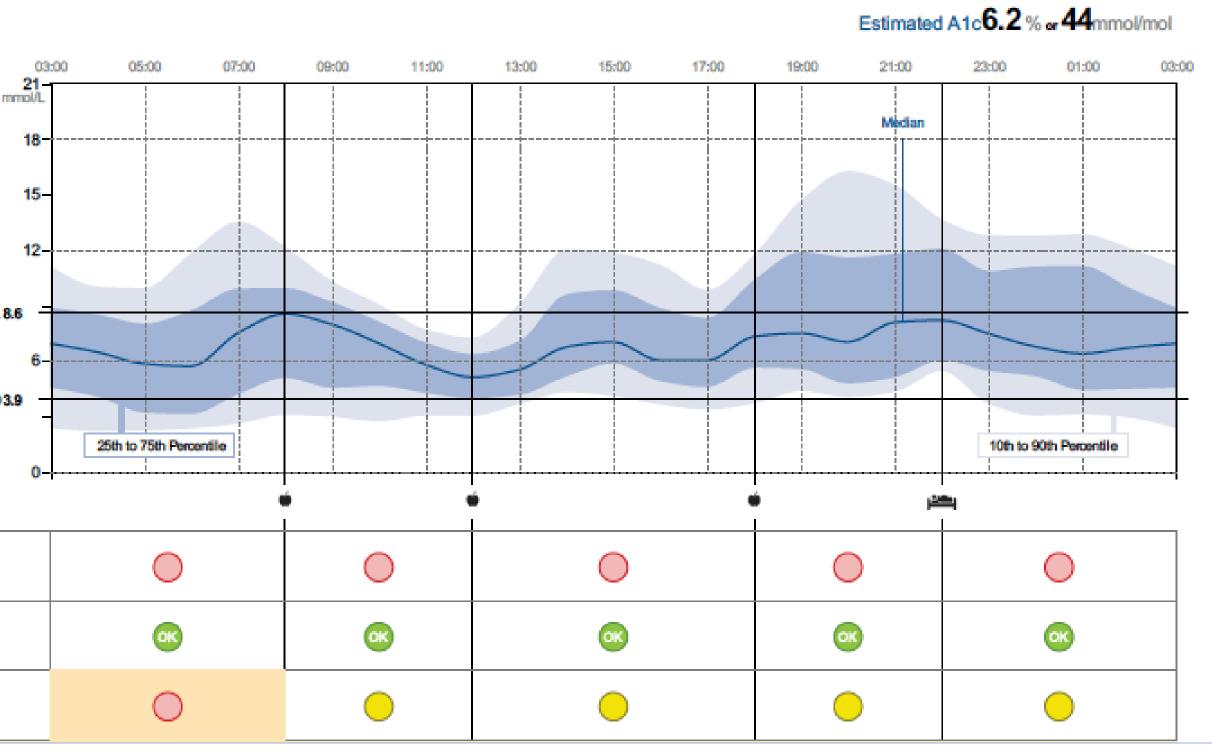
AGP

	Glucose P 16 November 2018
PAGE 1 / 1 PRINTED 29/11/2018	Giucose r
	MEDIAN GOAL
ry of Edinburgh	LOW THRESHOLD:
Royal Infirmary Pactice Phone:	Likelihood of LOW GLUCOSE
88	MEDIAN GLUCOSE Compared to goal
	VARIABILITY BELOW MEDIAN Median to 10th percentile

Pattern Insights

18 - 29 November 2018 (14 Days)









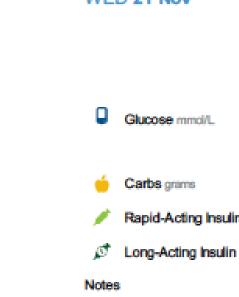
The 'Daily Log'

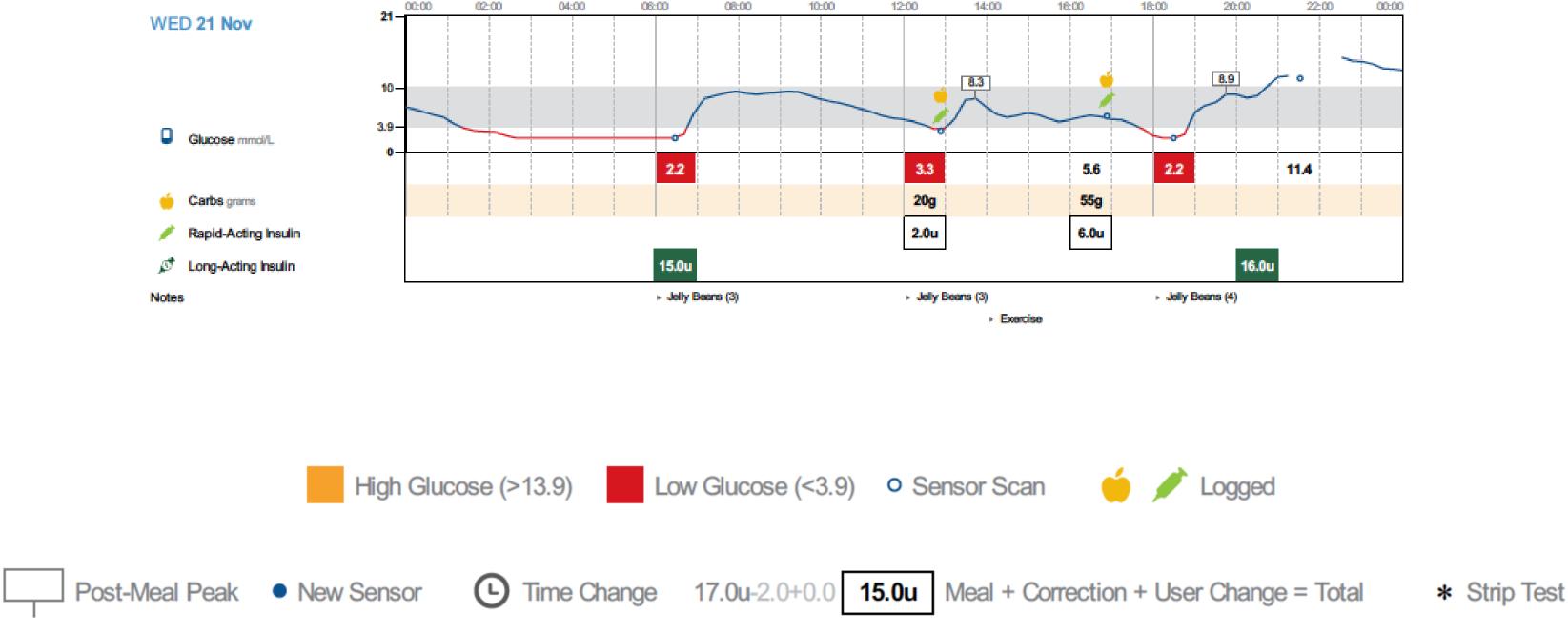






Information in daily log



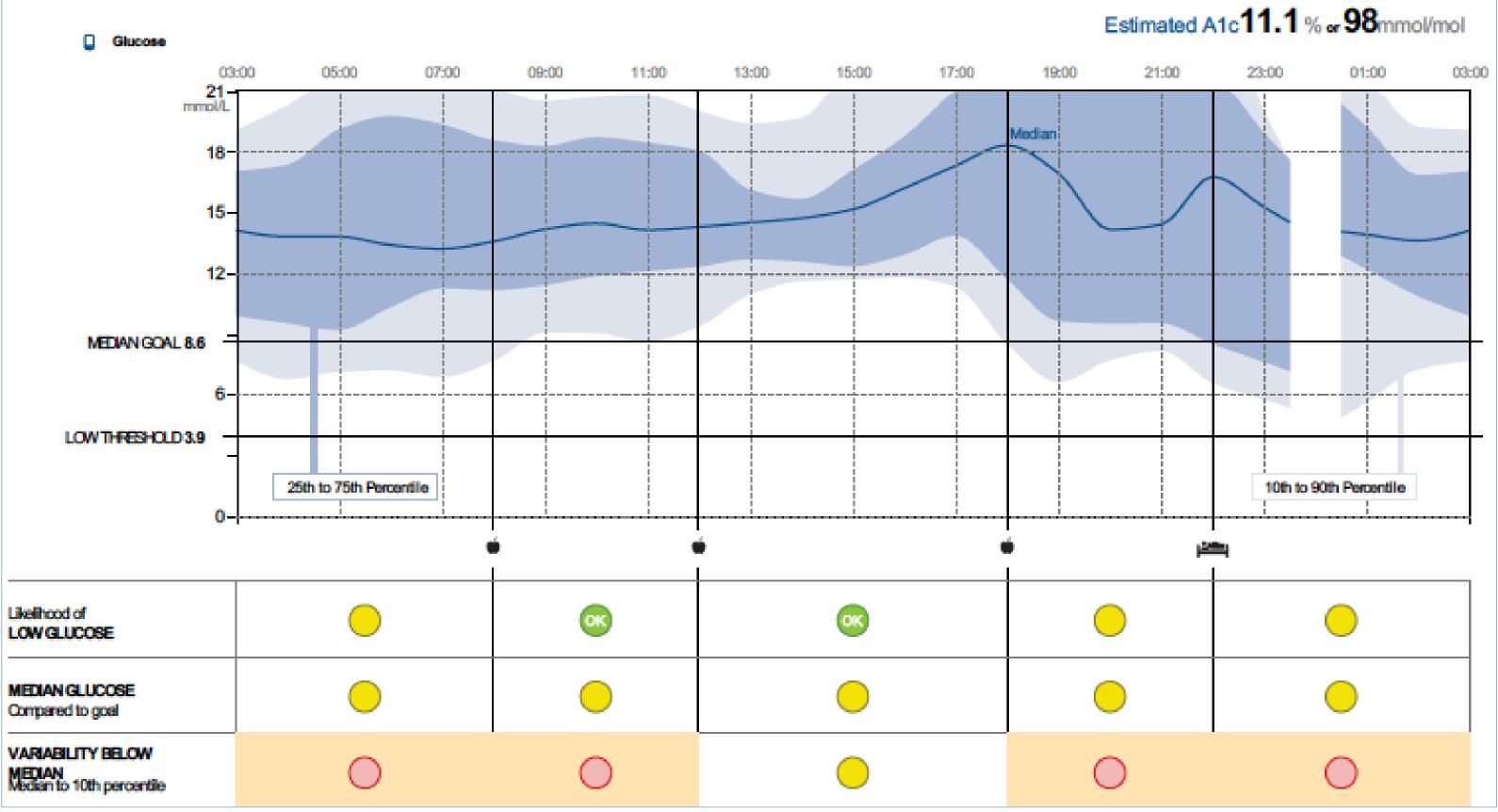








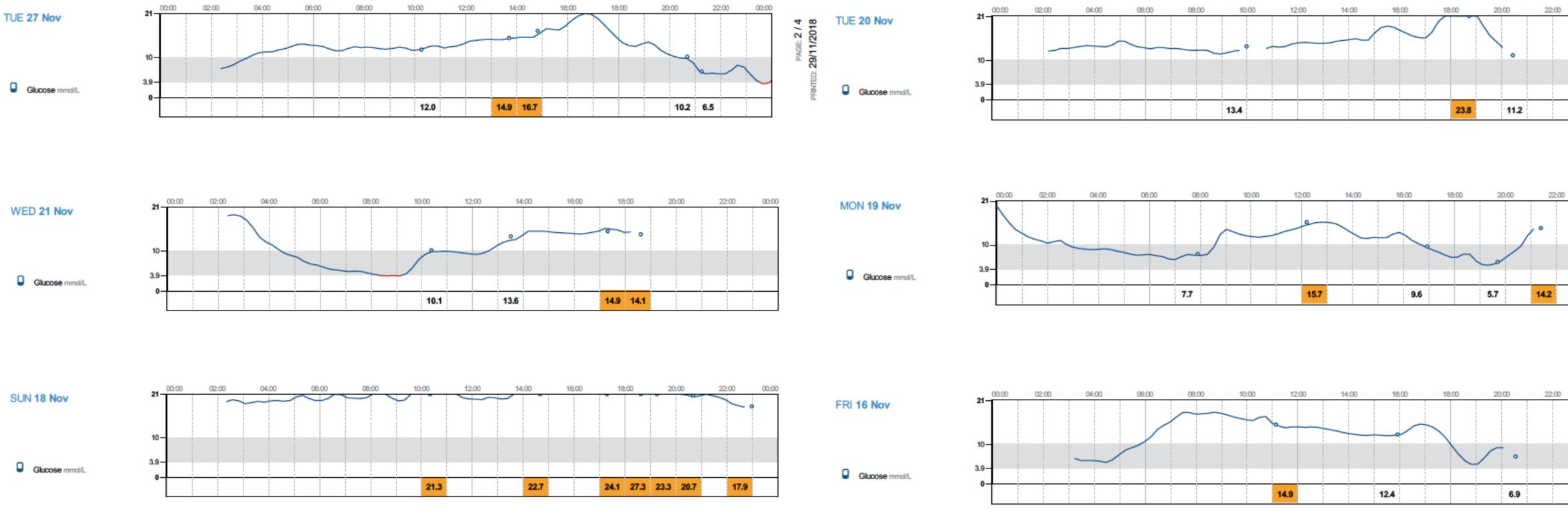
















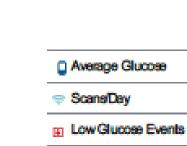
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November 2018



Royal Infirmary of Edinburgh

PMGE: 1 / 1 29/11/2018

PRINTED:

The monthly summary

Monthly Summary



Wednesday Thursday Monday Friday Saturday Sunday Tuesday 1 2 - 3 - 4 Low Low 6.7 mmol/L 2.3 mmol/L 3.3 mmol/L 10 🗢 1 😤 0 🗢 9 5 6 7 8 10 11 5.8 mmol/L 5.8 mmol/L 7.2 mmol/L 5.9 mmol/L 7.2 mmol/L 8.3 mmol/L 9.1 mmol/L 10 🗢 7 🗢 10 🗢 6 🗢 5 🗢 11 🗢 6 🗢 15 12 14 13 16 17 18 6.3 mmol/L 6.6 mmol/L 7.7 mmol/L 9.7 mmol/L 5.7 mmol/L 7.4 mmol/L 7.6 mmol/L 7 👳 7 👳 7 😤 11 🕈 7 👳 8 🗢 8 🗇 • . 22 21 24 19 20 23 25 6.0 mmol/L 7.1 mmol/L 8.2 mmol/L 6.1 mmol/L 8.4 mmol/L 8.7 mmol/L 6.2 mmol/L 7 🗇 13 🗢 5 🗇 8 🗇 4 👳 6 😤 3 🗢 Œ Œ I I I 28 26 27 29 30 8.8 mmol/L 5.3 mmol/L 8.6 mmol/L 5.8 mmol/L 7 😤 7 🗇 6 🕈 5 🕈 . Ŧ

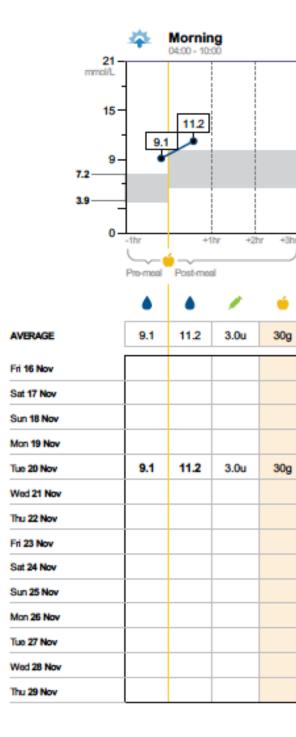


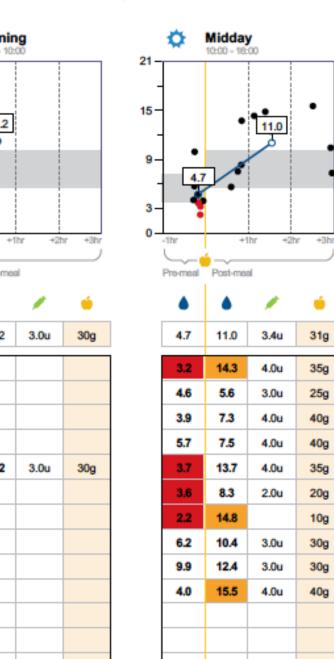


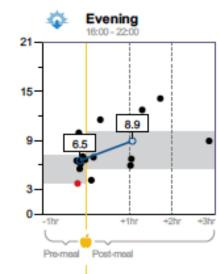
Mealtime (BG only)

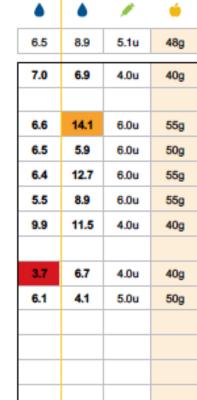
Mealtime Patterns

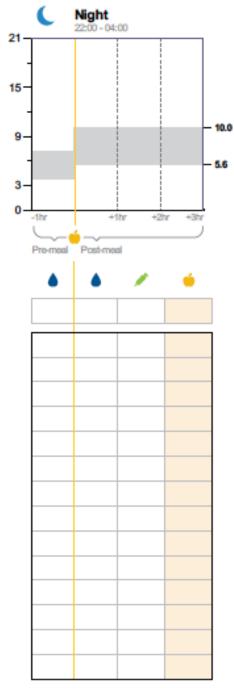
16 November 2018 - 29 November 2018 (14 Days)











Legend 🗧 High Glucose (>13.9) 🧧 • Low Glucose (<3.9) O Pre & Post-meal Averages • Glucose Reading 🔺 Glucose Above 21 🥖 Rapid-Acting Insulin

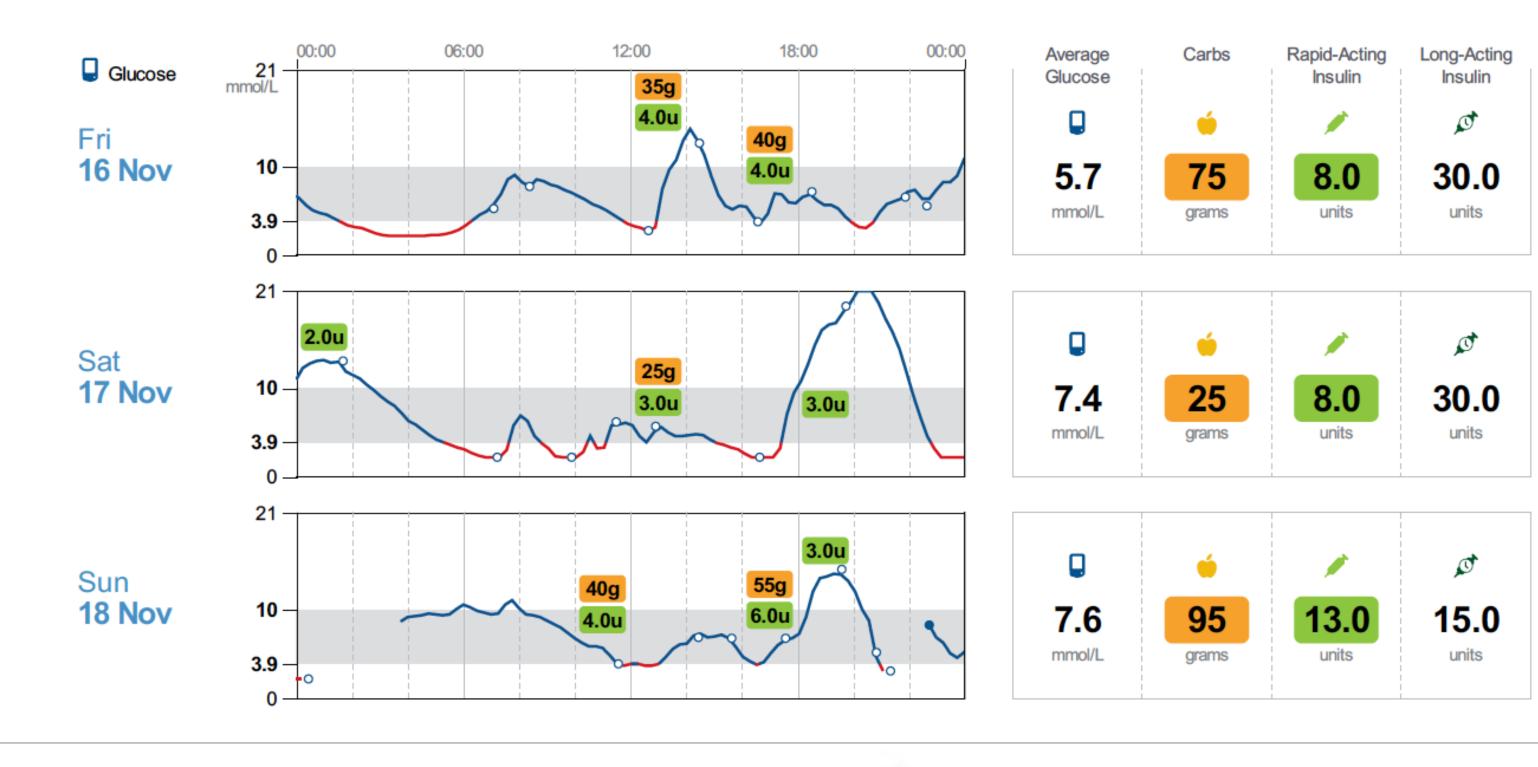






Weekly Summary

16 November 2018 - 29 November 2018 (14 Days)





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Conclusion

- Aim to review data at least every 2 weeks
- Link up your LibreView to your clinic
- Use the AGP (found in daily patterns on LibreLink app) to generate questions
- Use the daily log to answer the questions and consider solutions
- More context —easier to interpret glucose results



