CASE STUDIES

Professional Panel Discussion

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CGM Glucose Pattern Summary

April 23, 2019 - May 3, 2019 (11 Days)

LibreView

CGM Device: FreeStyle Libre Pro [N/A]% Compliant w/Calibration* 100% Time Worn

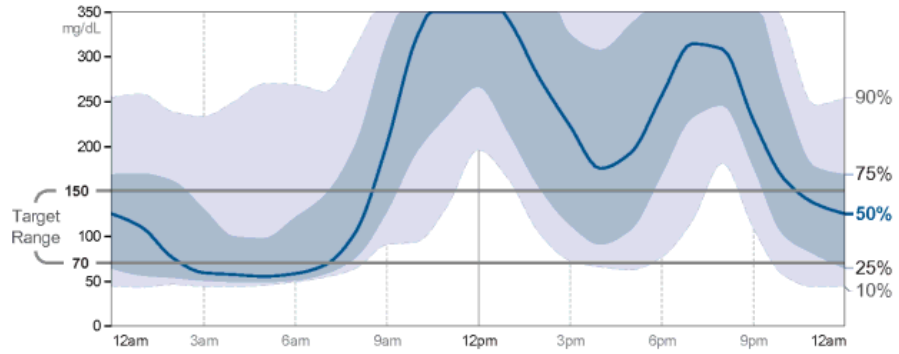
*Not applicable to FreeStyle Libre or FreeStyle Libre Pro which do not require calibration.

Summary

Average Glucose	Time In Range		Coefficient of Variation (CV)	Standard Deviation (SD)
212 mg/dL	Above 180 mg/dL (above 250 mg/dL: 37%)	49%	69.3%	147 mg/dL
	In Target Range 70-180 mg/dL	27%		
	Below 70 mg/dL (below 54 mg/dL: 13%)	24%		
*88-116**			*19-25**	*10-26**

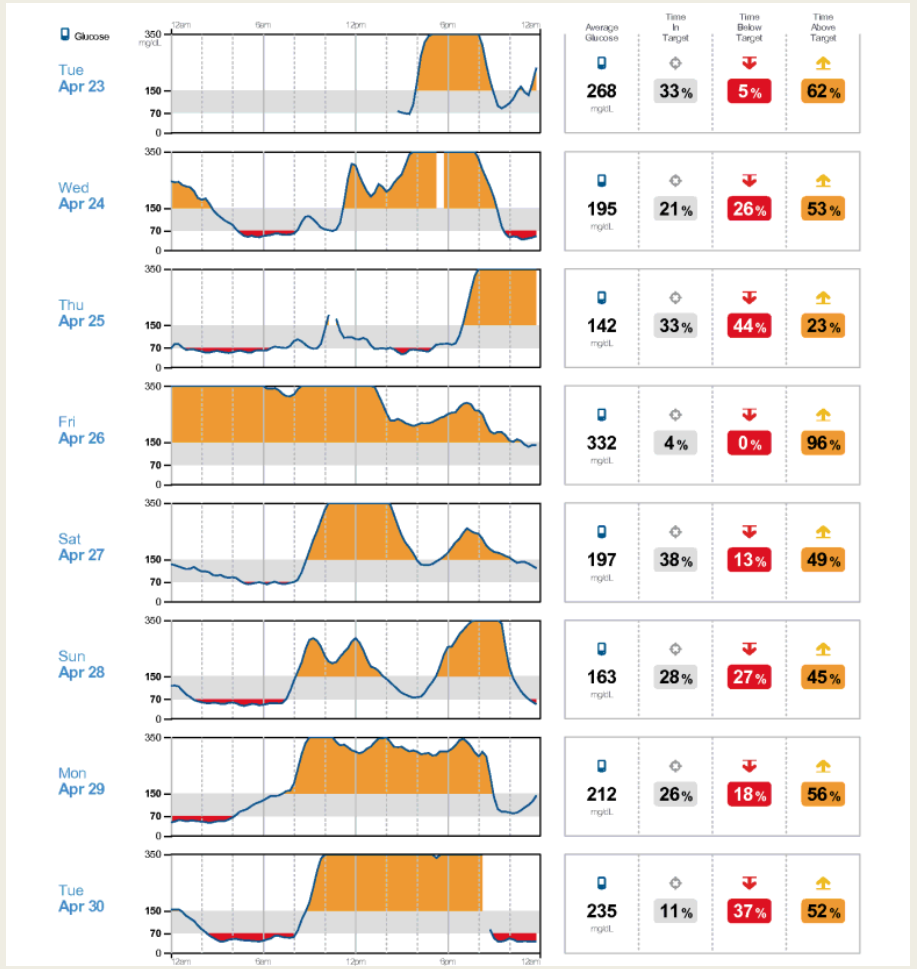
**Ambulatory Glucose Profile*

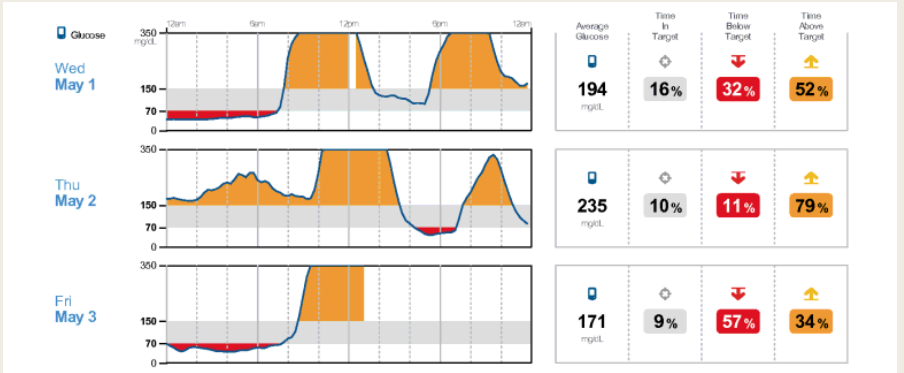
Curves/plots represent glucose frequency distributions by time regardless of date



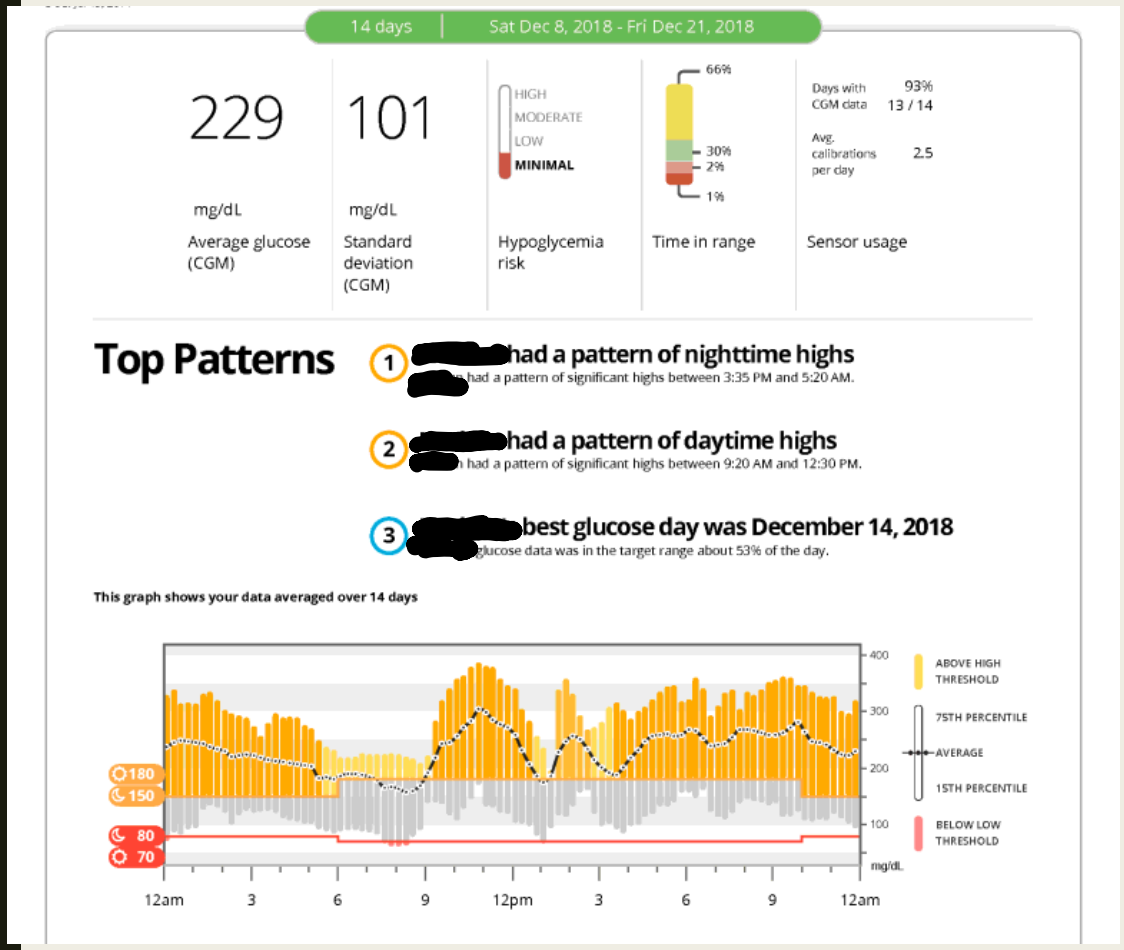
HbA1C is 8.0% suggesting average blood sugar of about 185 mg/dL.

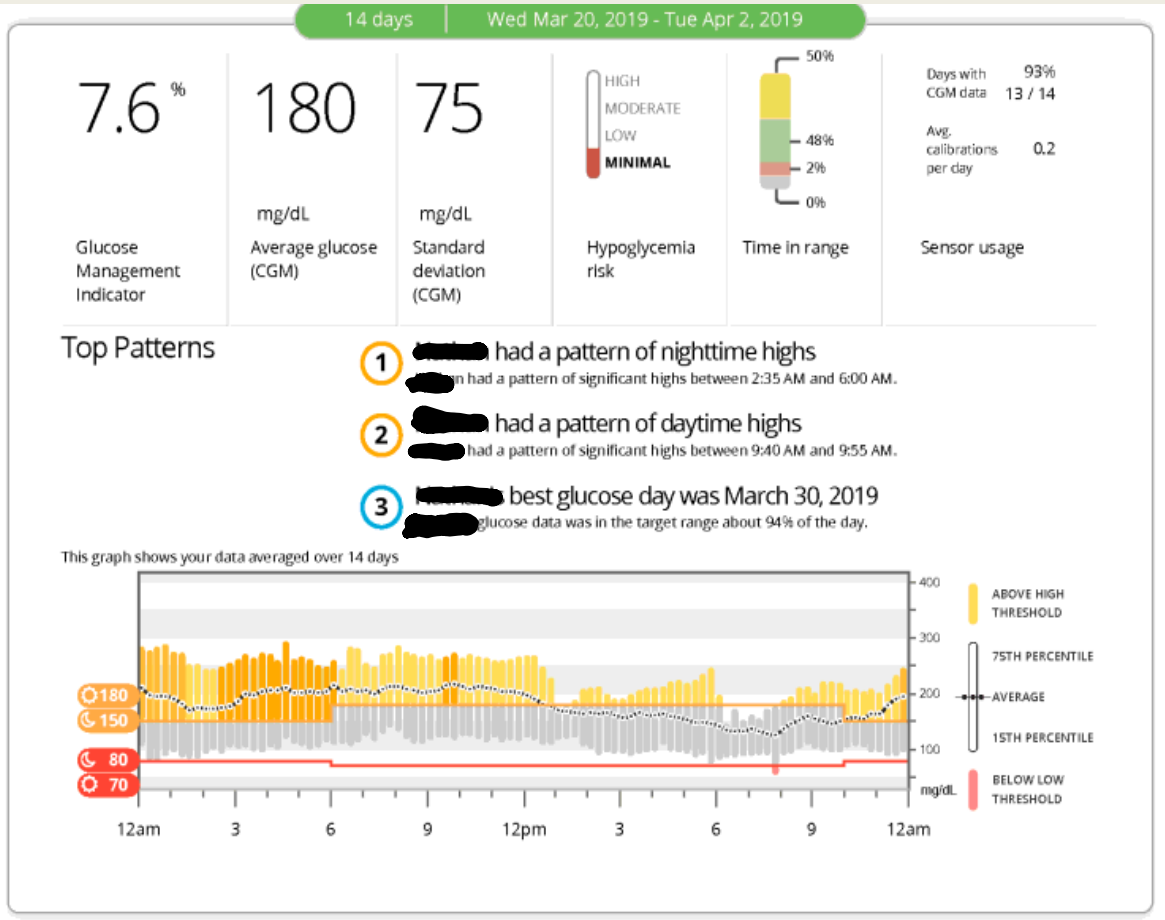
Glucose meter readings show an average of 250 mg/dL with no apparent lows.

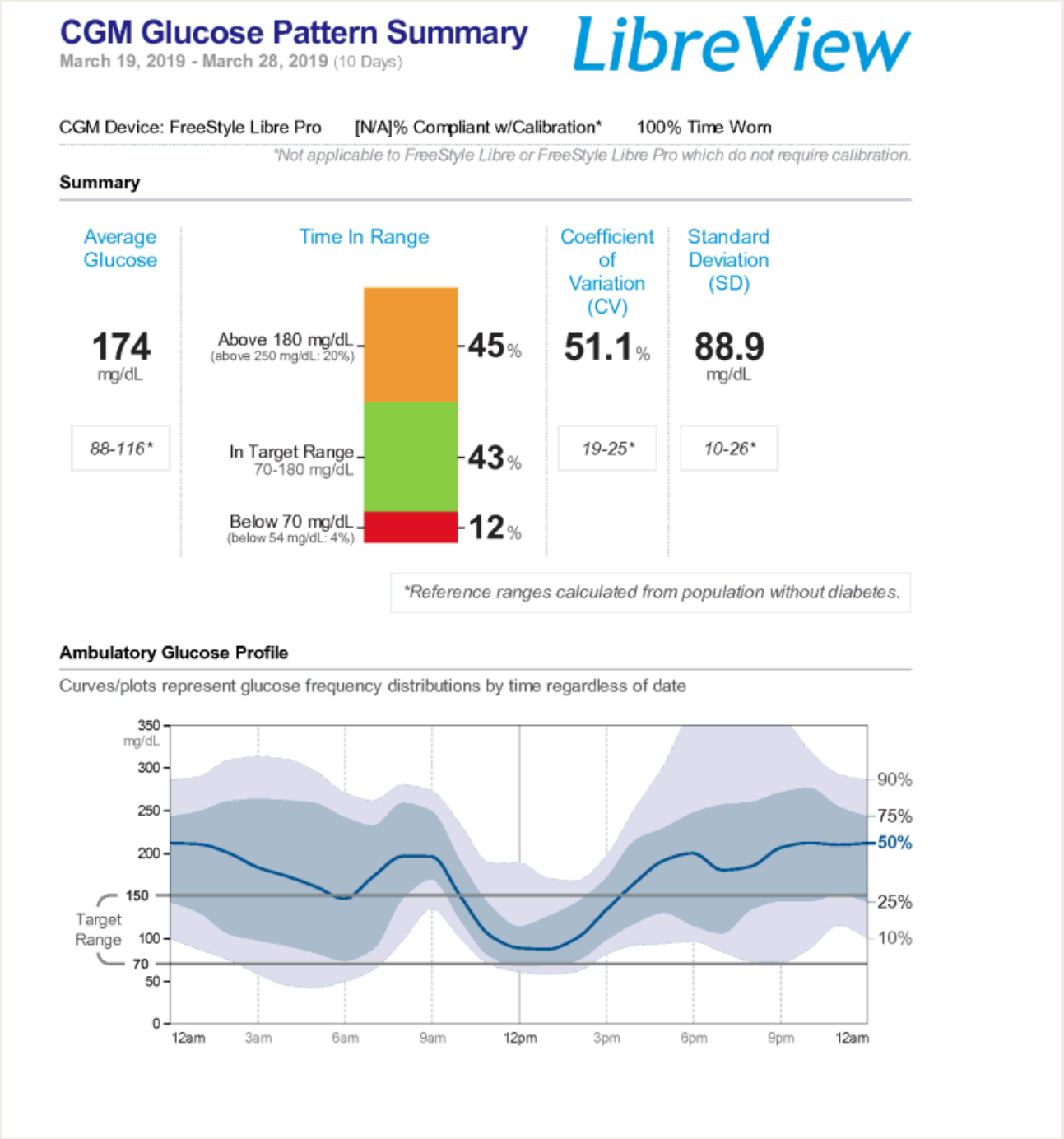




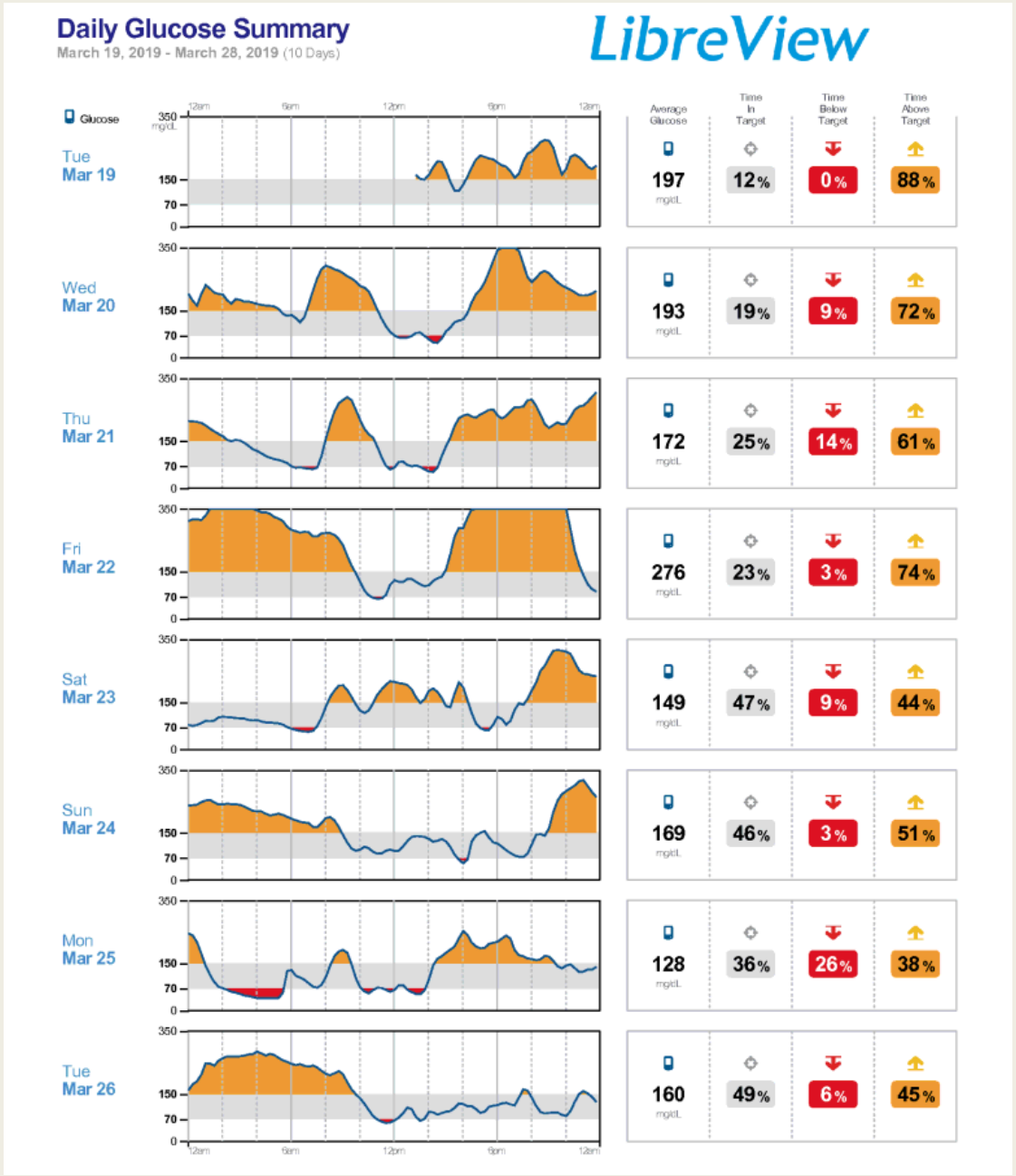
Contrast of CGM of two patients with similar average glucose on meters.

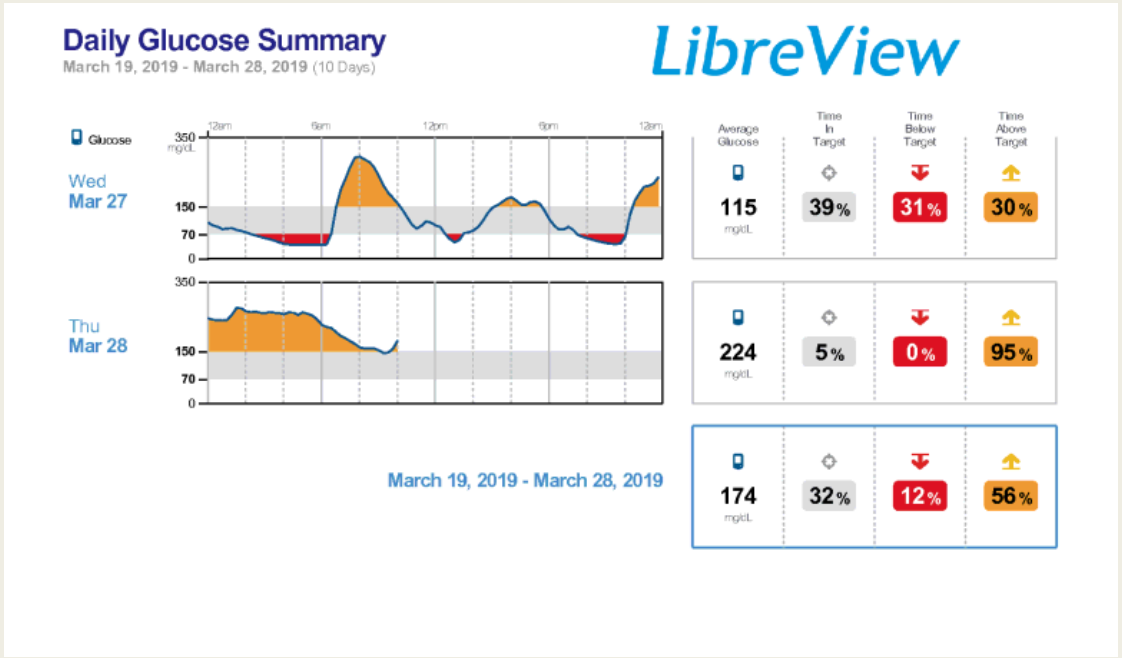






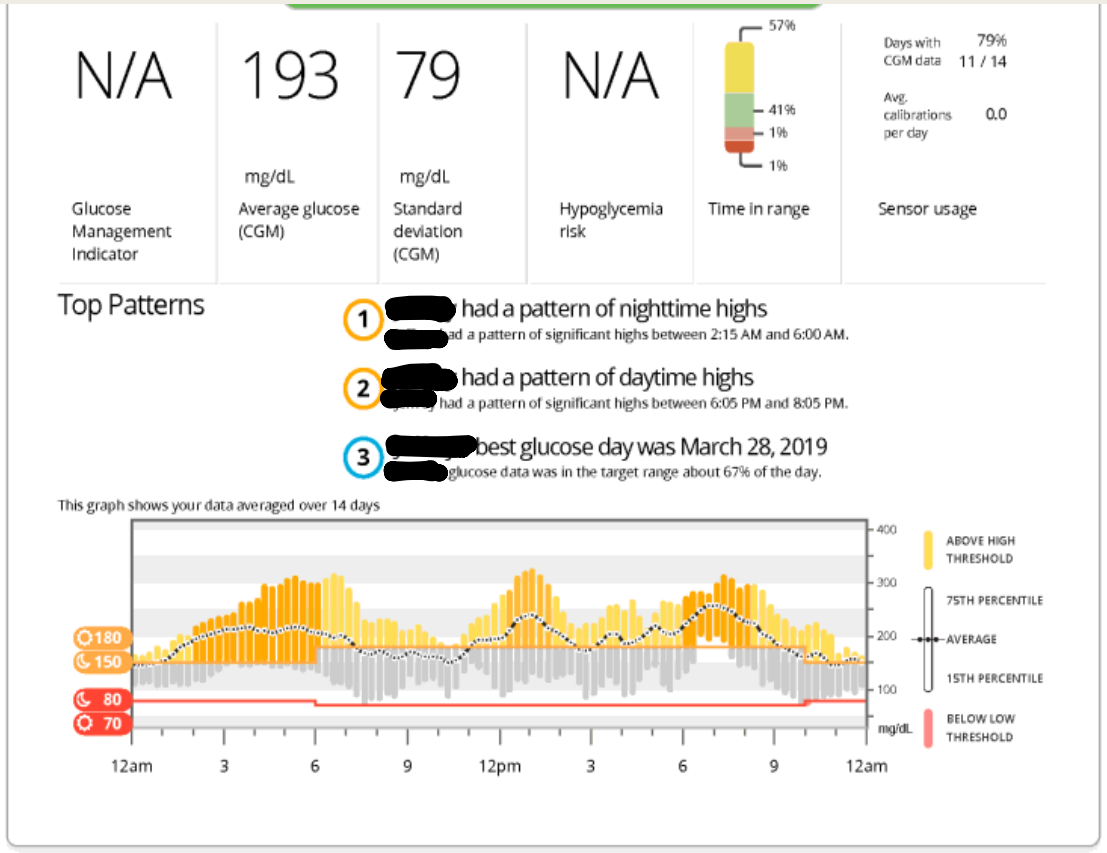
CGM of patient with no symptoms of hypoglycemia.





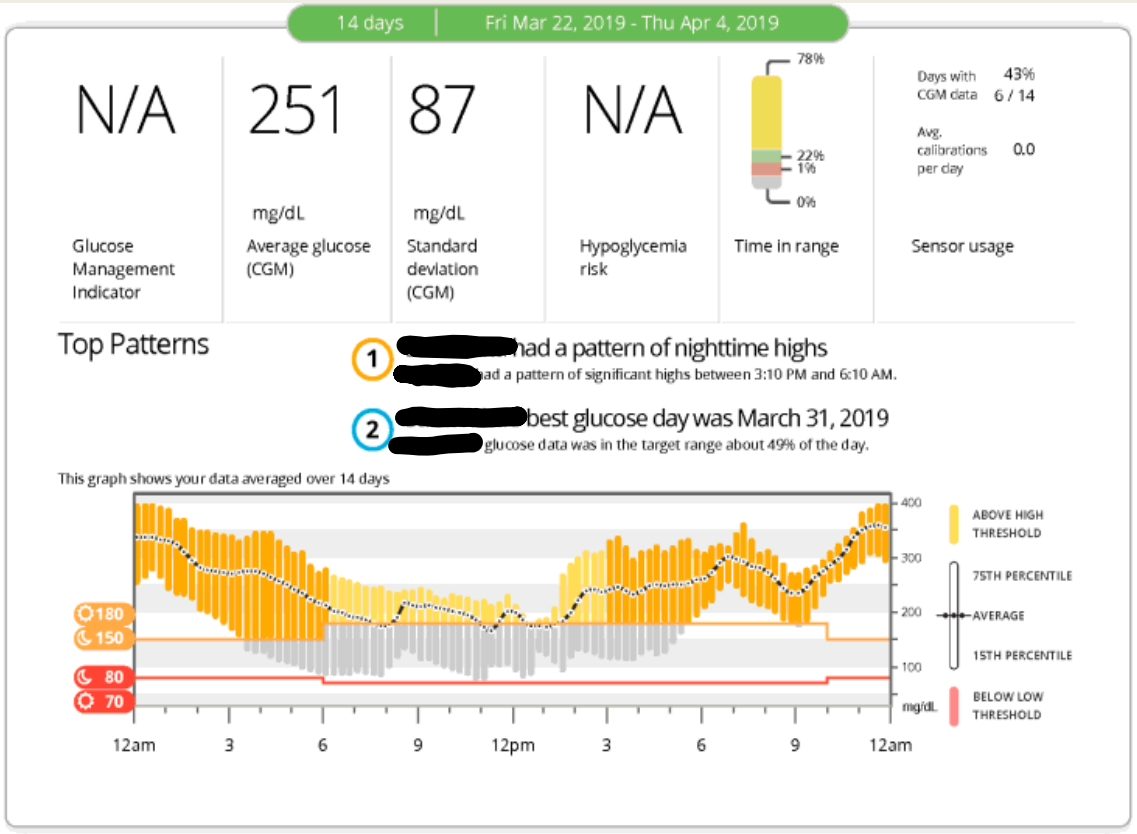
CGM of patient with no symptoms of hypoglycemia.

Patients with similar morning glucose levels

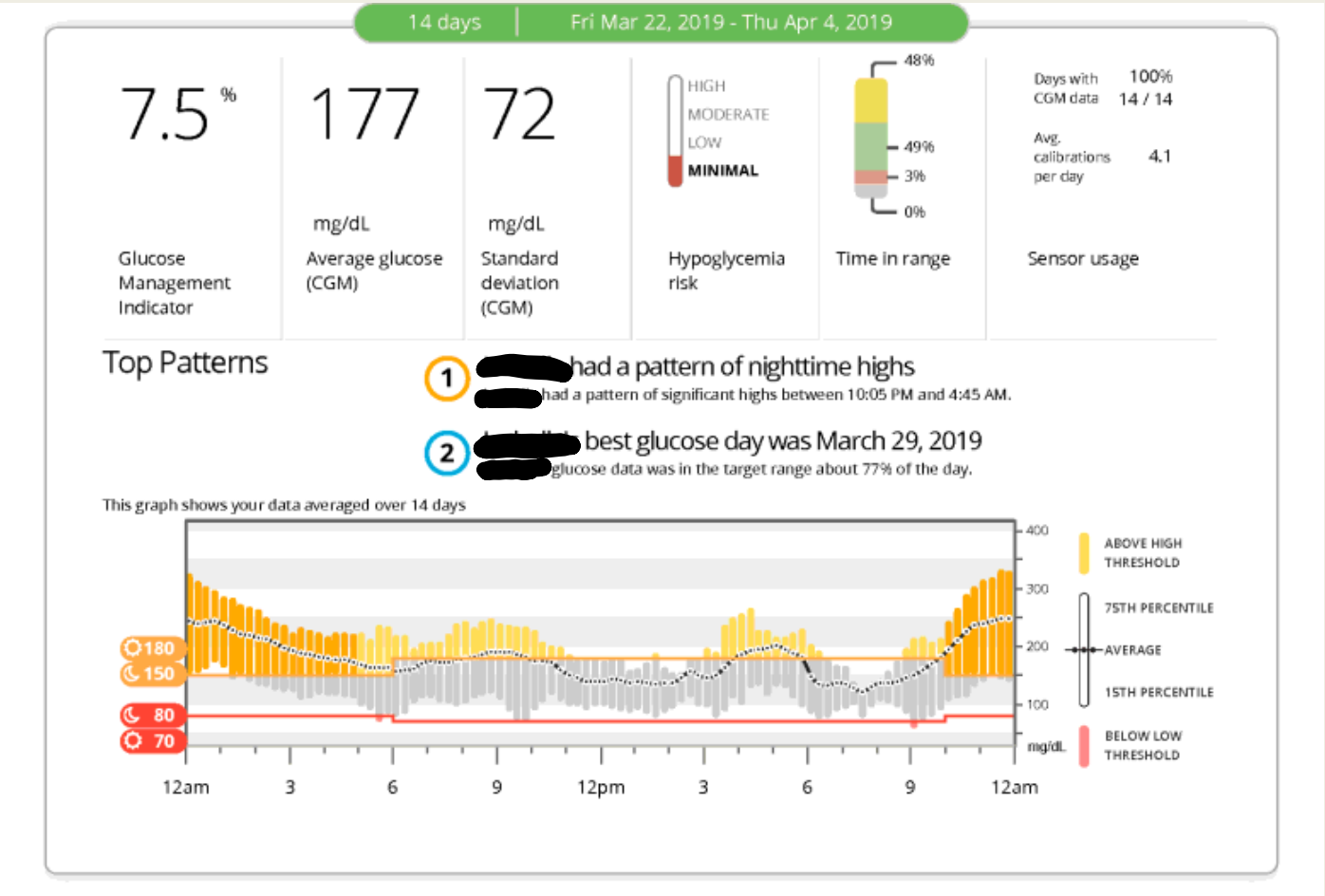


PUMP USER

INSULIN INJECTIONS

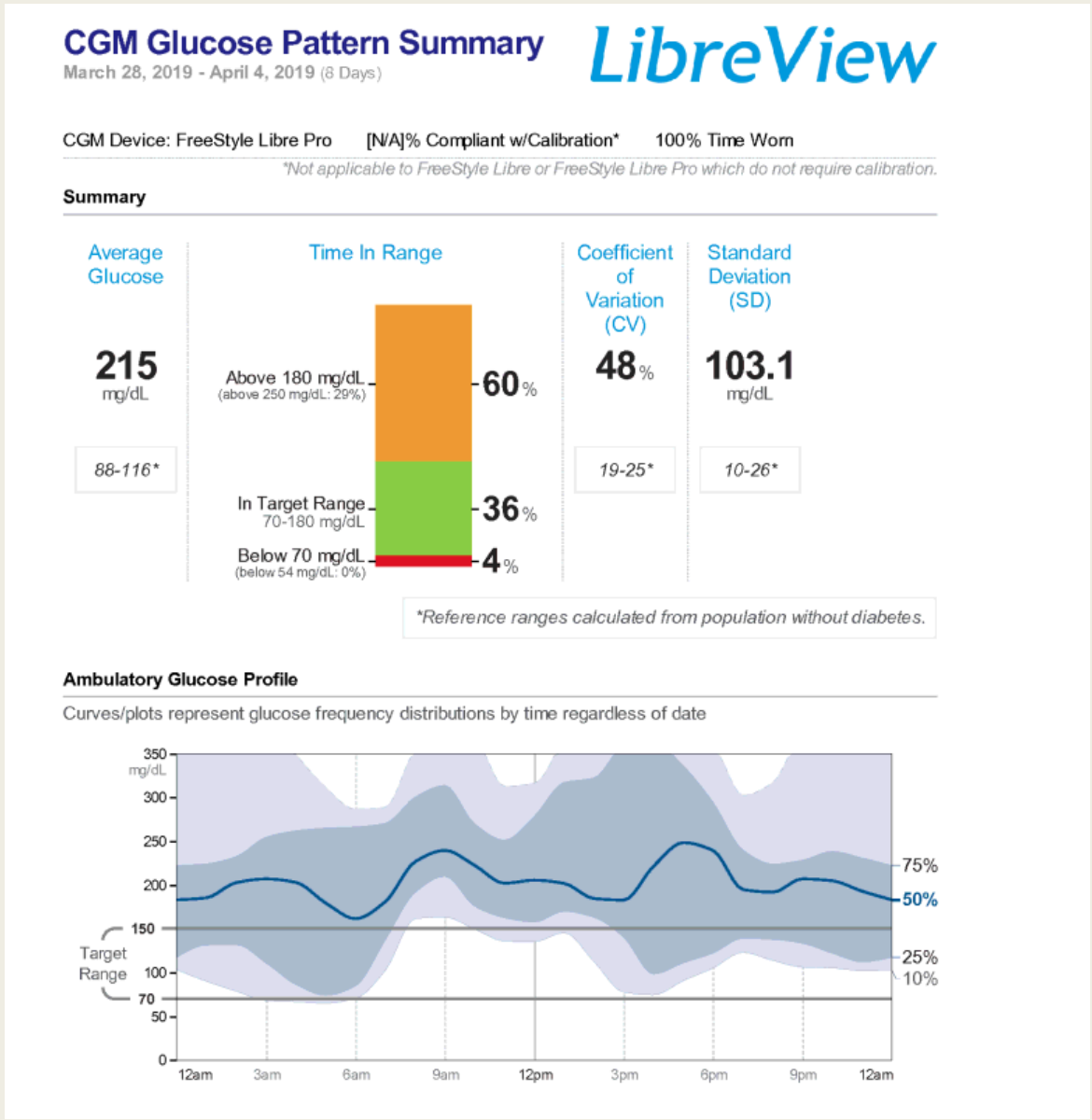


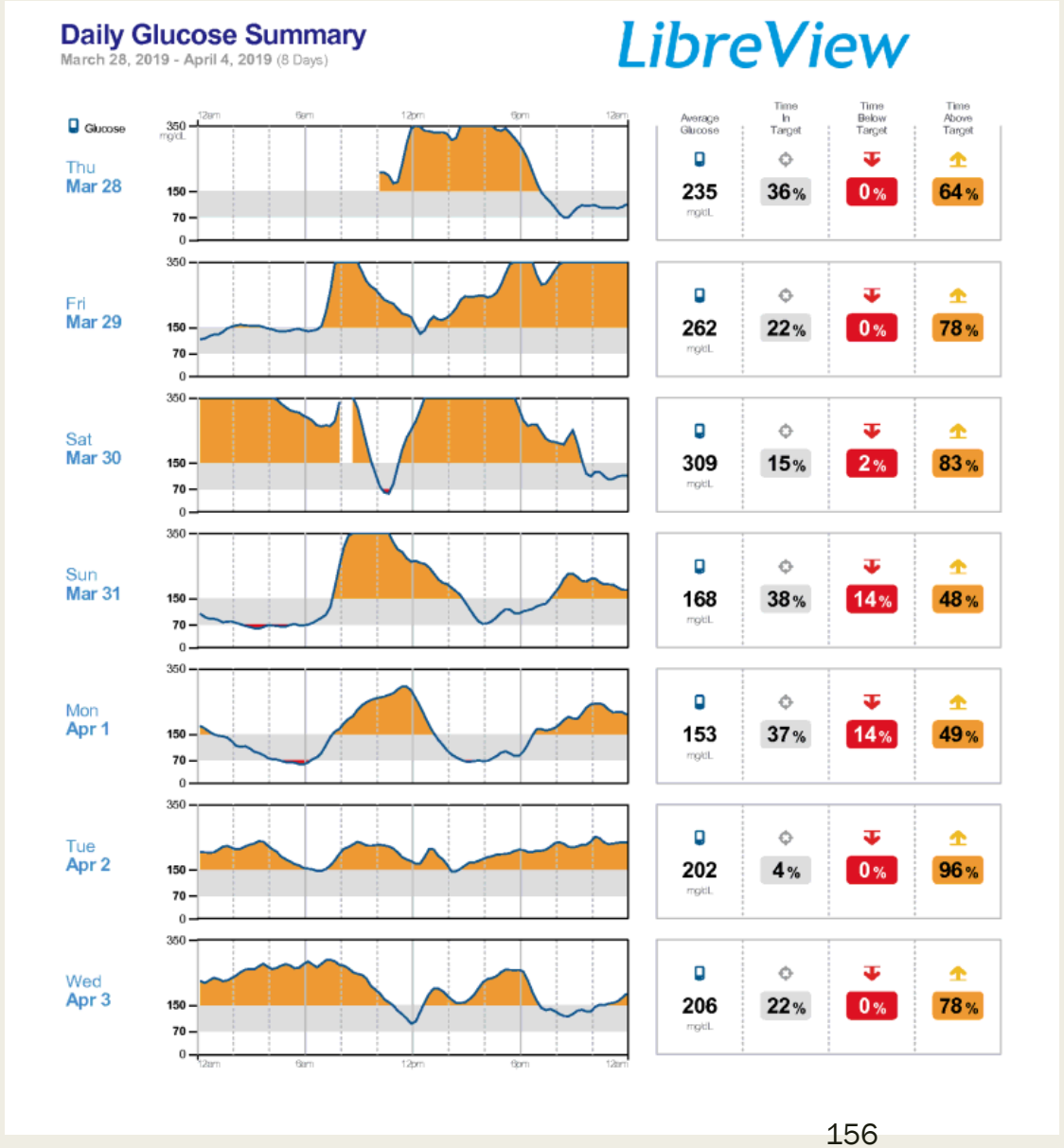
HbA1c higher than expected based on glucometer readings.

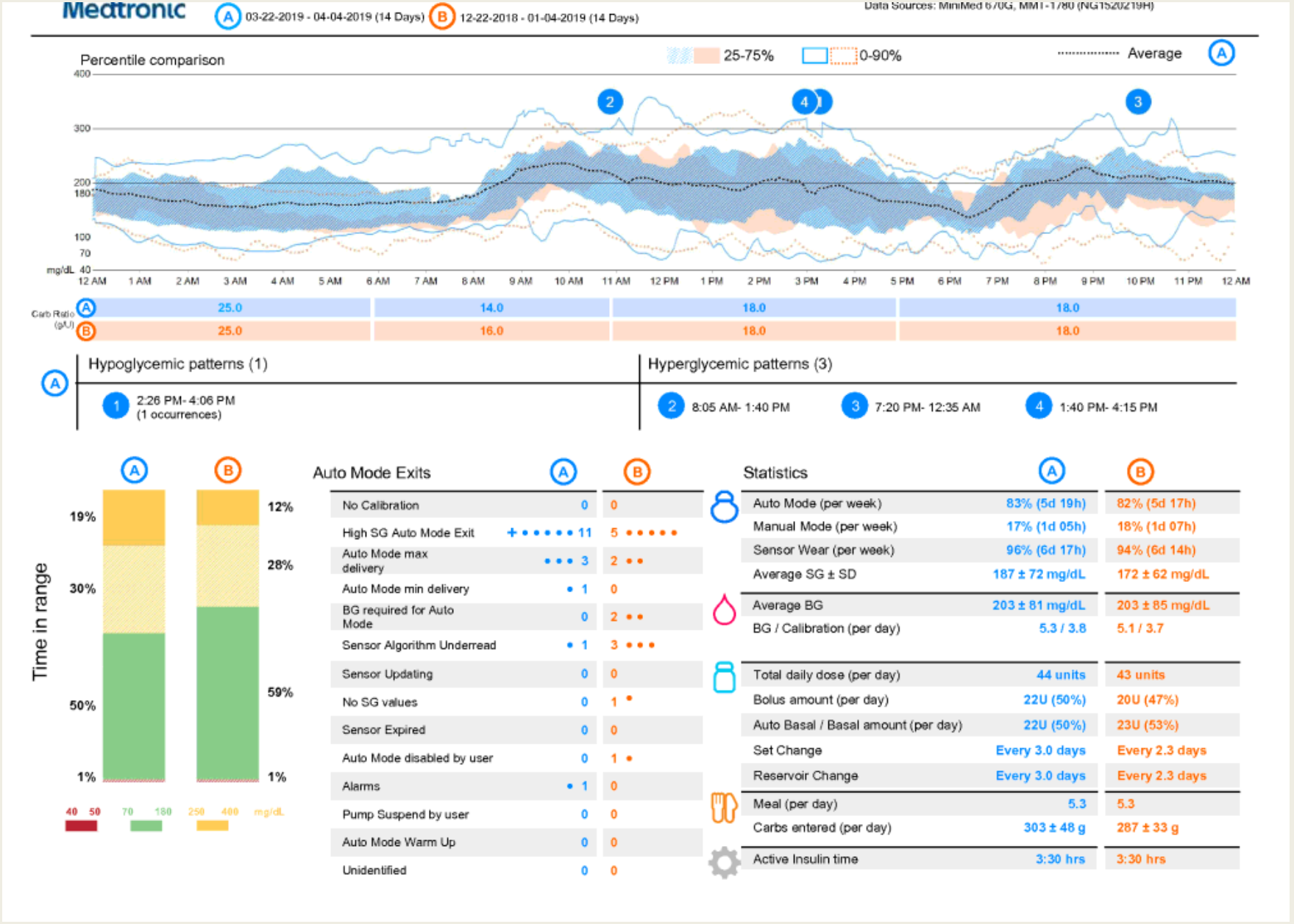


This patient uses an insulin pump.

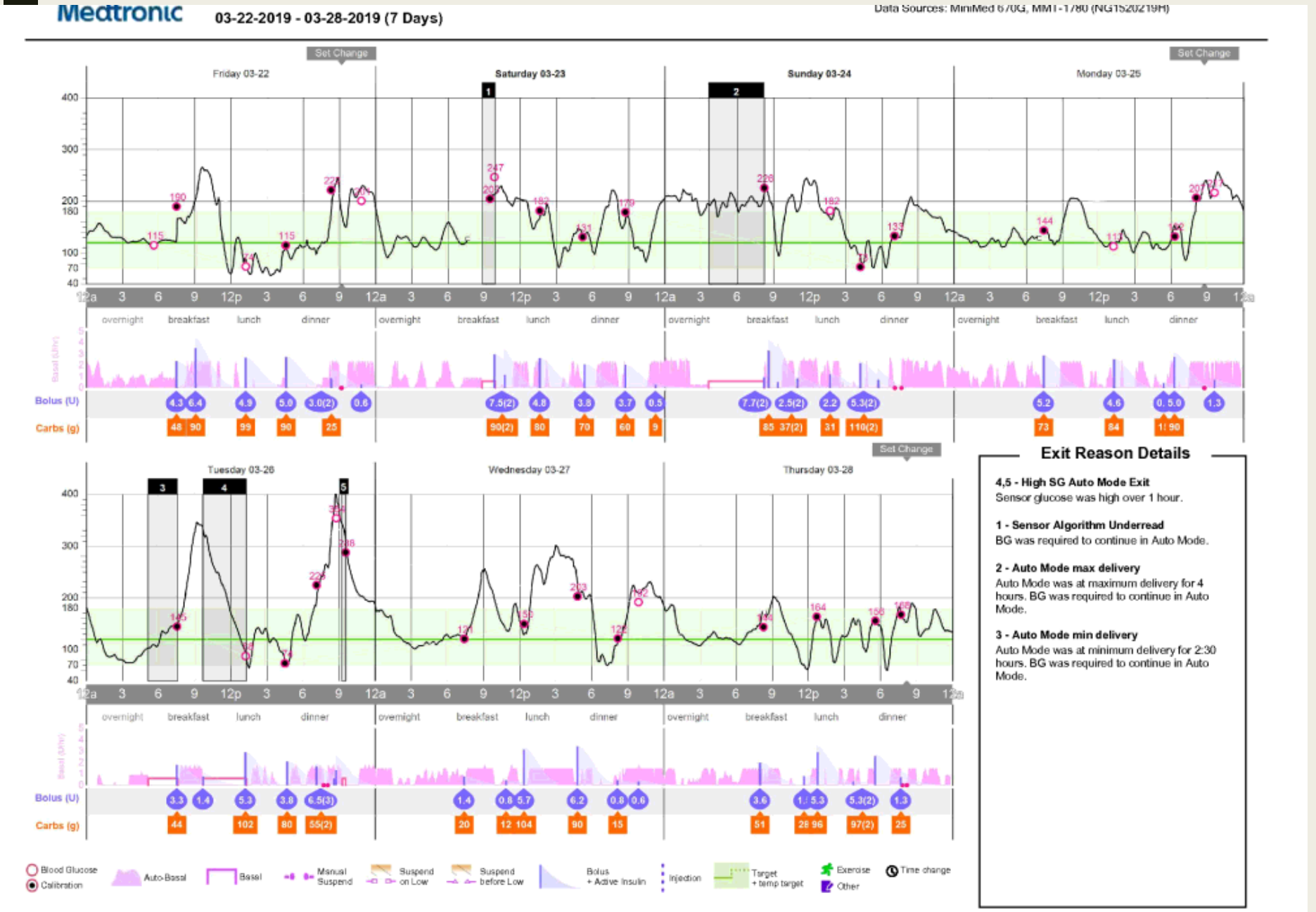
Libere analysis with high variability.





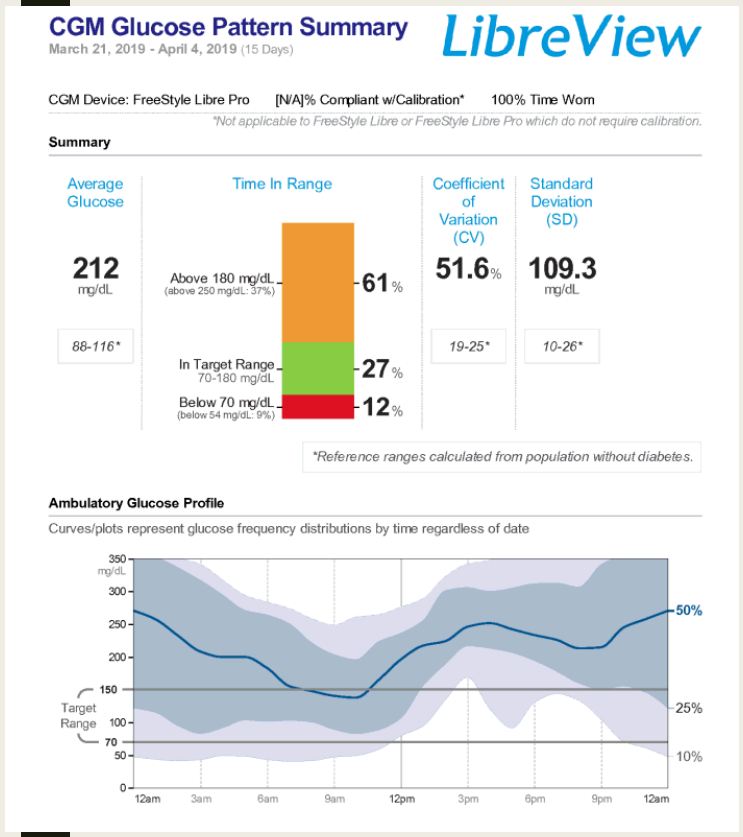


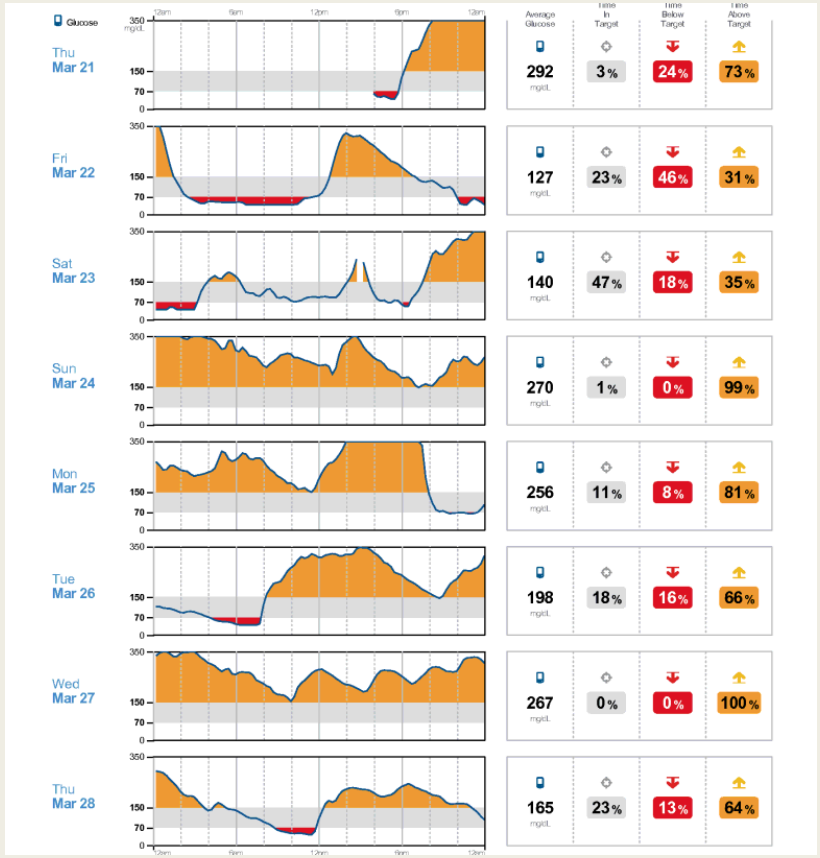
Patient on 670 G insulin pump in auto mode.

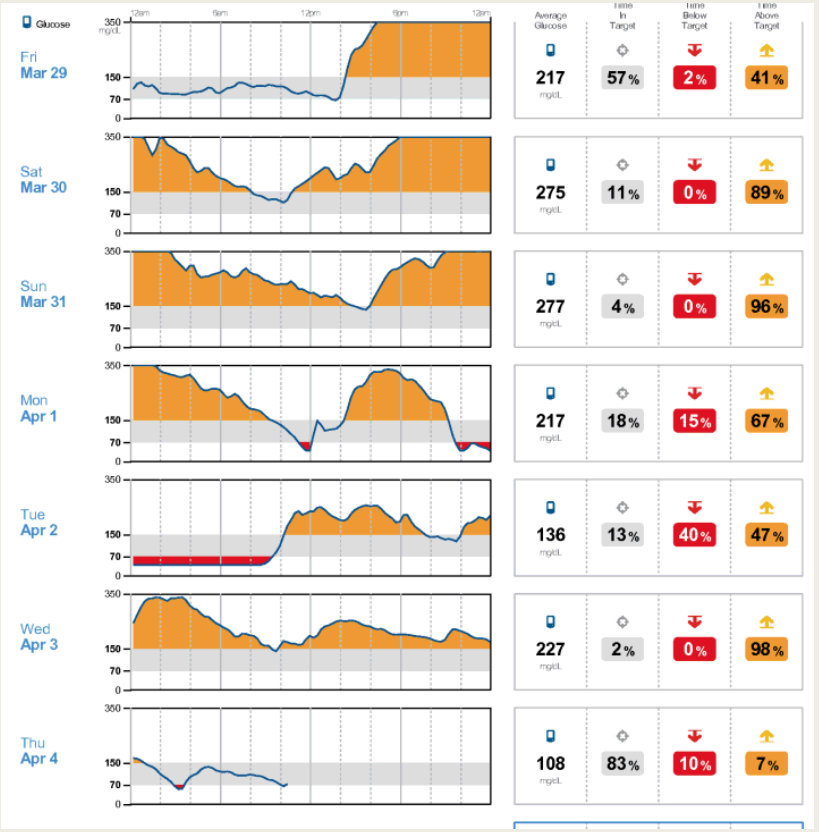


Patient on 670 G insulin pump in auto mode.

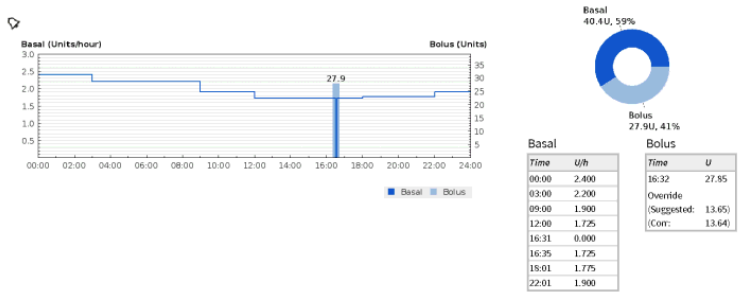
Libre analysis on a “pumper”
Sometimes lows are due to not enough insulin!







Sunday 3/17



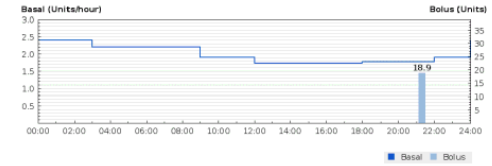
Basal

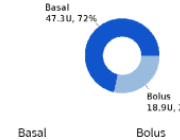
Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900
12:00	1.725
16:31	0.000
16:35	1.725
18:01	1.775
22:01	1.900

Bolus

Time	U
16:32	27.85
Override	
(Suggested:	13.65)
(Corr:	13.64)

Saturday 3/16





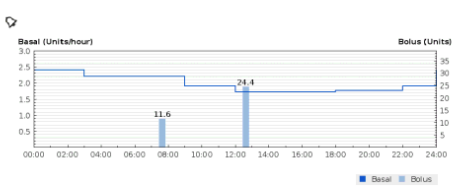
Basal

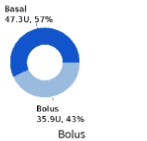
Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900
12:00	1.725
18:00	1.775
22:00	1.900

Bolus

Time	U
21:19	18.85

Wednesday 3/13





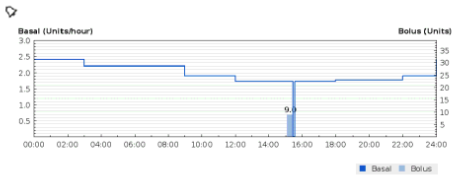
Basal

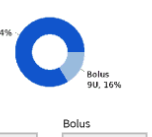
Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900
12:00	1.725
18:00	1.775
22:00	1.900

Bolus

Time	U
07:39	11.55
Override	
(Suggested:	11.05)
(Corr:	6.04)
(Meal:	5.00)
12:39	24.35
Override	
(Suggested:	23.95)
(Corr:	3.44)
(Meal:	20.40)

Tuesday 3/12





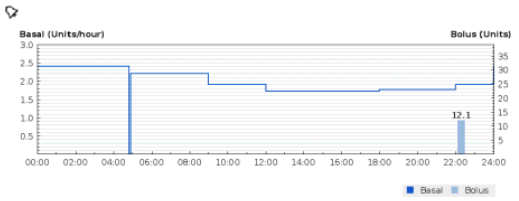
Basal

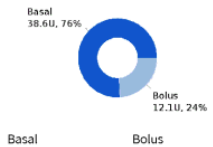
Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900
12:00	1.725
15:26	0.000
15:33	1.725
18:00	1.775
22:00	1.900

Bolus

Time	U
15:16	9.00

Friday 3/15





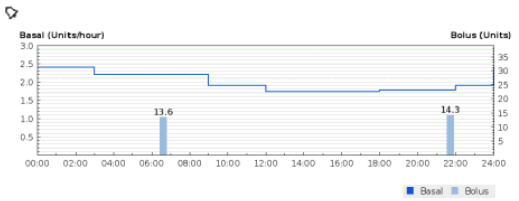
Basal

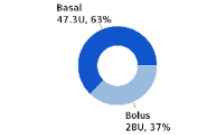
Time	U/h
00:00	2.400
04:49	0.000
04:54	2.200
09:00	1.900
12:00	1.725
18:00	1.775
22:00	1.900

Bolus

Time	U
22:18	12.10

Thursday 3/14





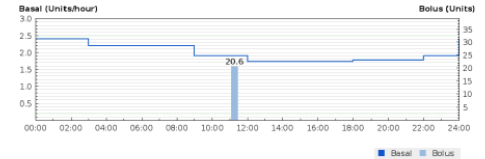
Basal

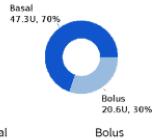
Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900

Bolus

Time	U
06:36	13.60
Override	
(Suggested:	11.35)

Monday 3/11





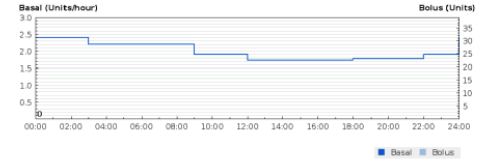
Basal

Time	U/h
00:00	2.400
03:00	2.200
09:00	1.900
12:00	1.725
18:00	1.775
22:00	1.900

Bolus

Time	U
11:16	20.55
Override	
(Suggested:	20.50)
(Corr:	9.32)
(Meal:	11.20)

Sunday 3/10



Basal

Time	U/h
00:00	2.400
03:00	2.200
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Bolus

Time	U

Libre analysis on a “pumper”

Sometimes lows are due to not enough insulin!