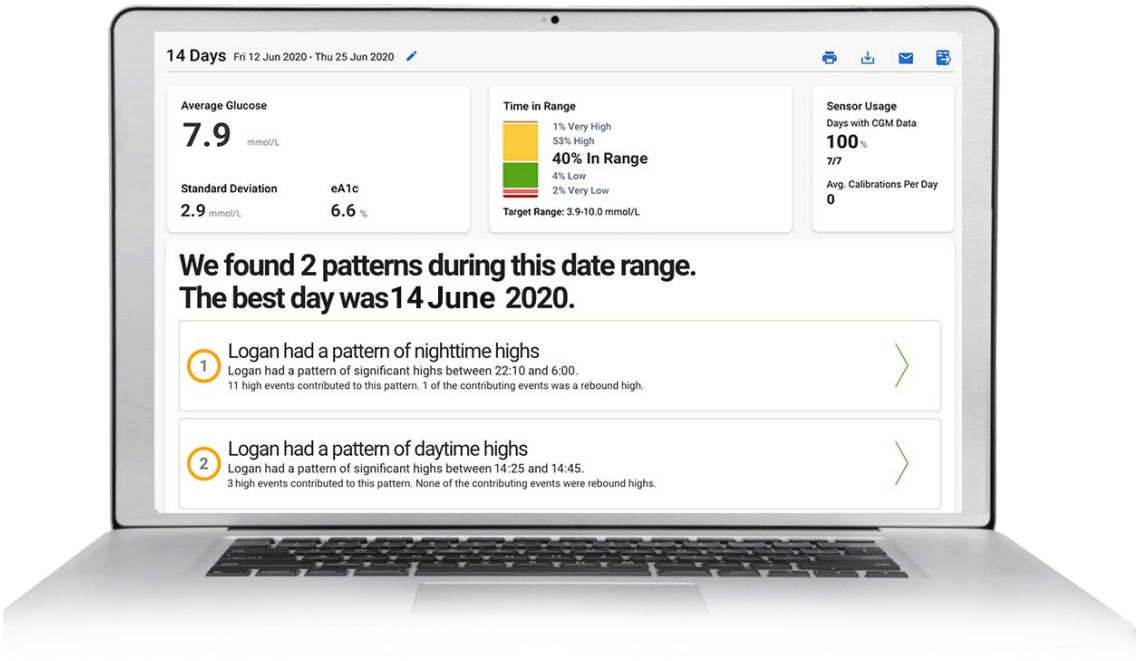
Dexcom CLARITY

Clinically Relevant Insights in Minutes



dexcom
CLARITY

Relevant Patterns and Trends

Dexcom CLARITY presents the most clinically relevant patterns and trends in interactive reports using proprietary algorithms.

1. Nighttime Lows
2. Daytime Lows
3. Nighttime Highs
4. Daytime Highs

Identifying rebound of sustained highs and lows are unique to Dexcom CLARITY.

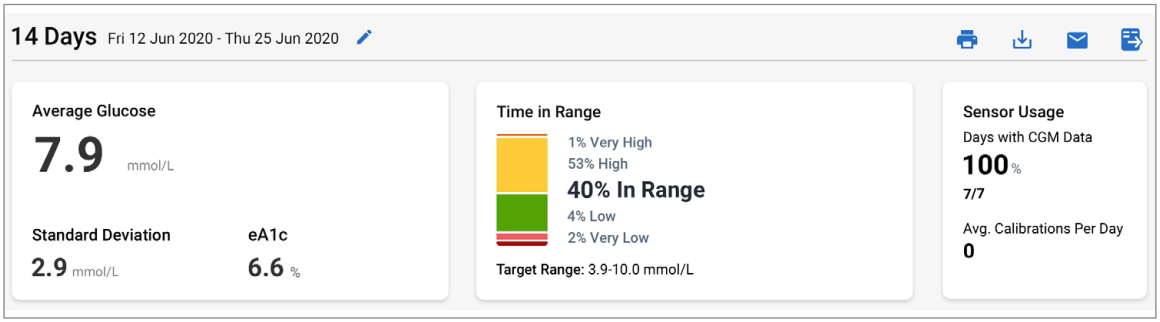
Contributing Patterns

Rebound Highs and Lows

Sustained Highs and Lows

Overview Report

The Overview report presents a summary of the most relevant clinical patterns. This quick summary can help focus the discussion on areas contributing to hyper- and hypoglycemia. This report summarizes the quality of glucose control via metrics and identifies daytime and nighttime patterns of highs and lows for the date range selected.



Average Glucose is the average of all the CGM glucose readings from the selected date range. Knowing the average glucose gives you a good place to start when trying to get numbers into target.

Standard Deviation reflects how much CGM glucose readings rise and fall also known as glycemic variability.

eA1c as determined by Dexcom CLARITY is an estimated A1C as the average glucose from a minimum number of days with a minimum duration of CGM wear time.

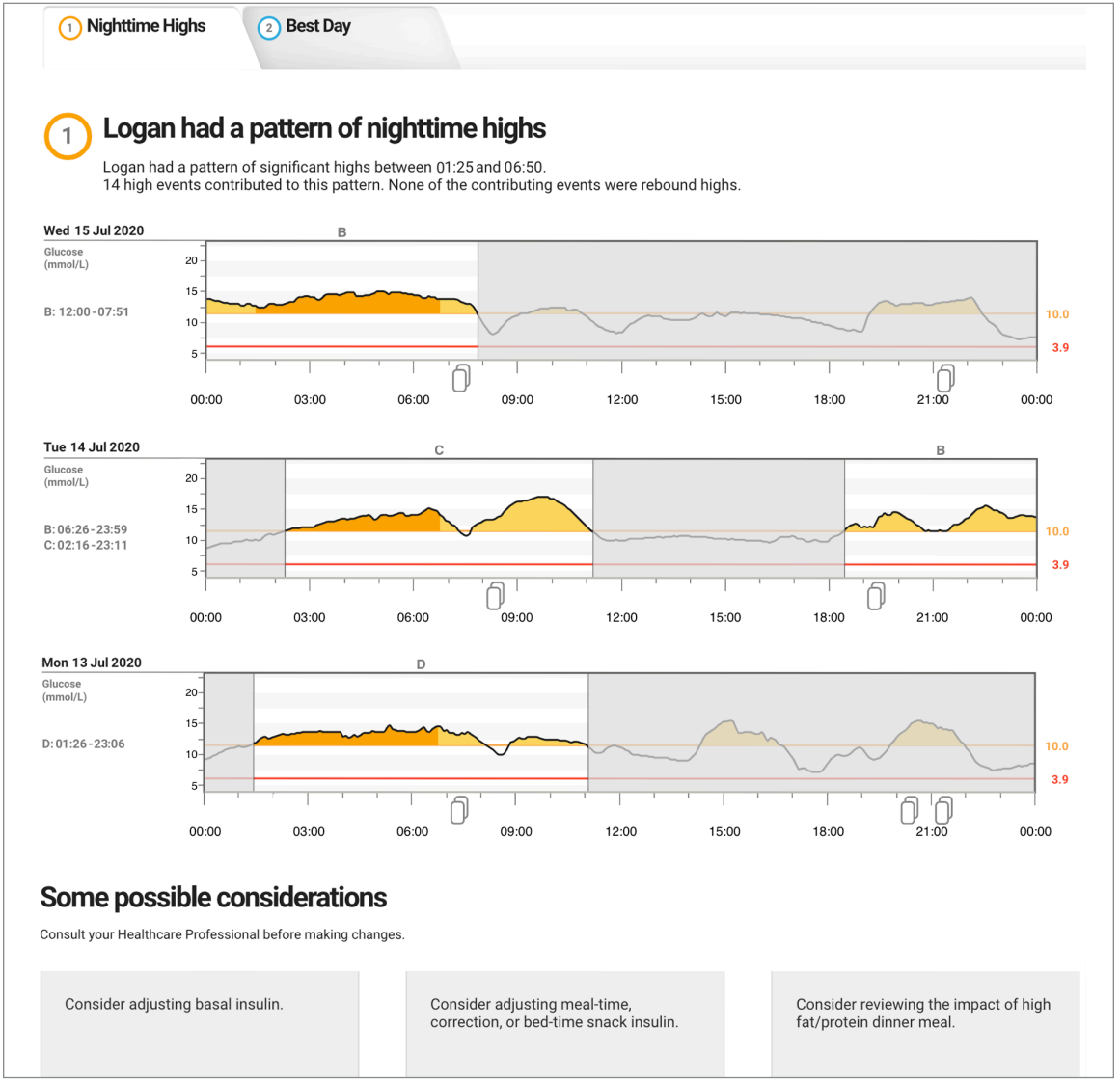
Time in Range The percentage of time that glucose levels are in low, target, and high ranges. The following are recommended ranges from an international consensus. Dexcom CLARITY ranges may be different than Dexcom CGM alerts. Changes made here apply only to Dexcom CLARITY.

- Target Range: 3.9-10.0 mmol/L
- Very High: Above 13.9 mmol/L
- Very Low: Below 3.0 mmol/L

Sensor Usage shows the number of days during the reporting period with at least 50% CGM readings and the daily average calibrations you enter. Only days with at least 50% CGM readings are included. The Dexcom G6 system is approved for use without calibrations.

Patterns Report

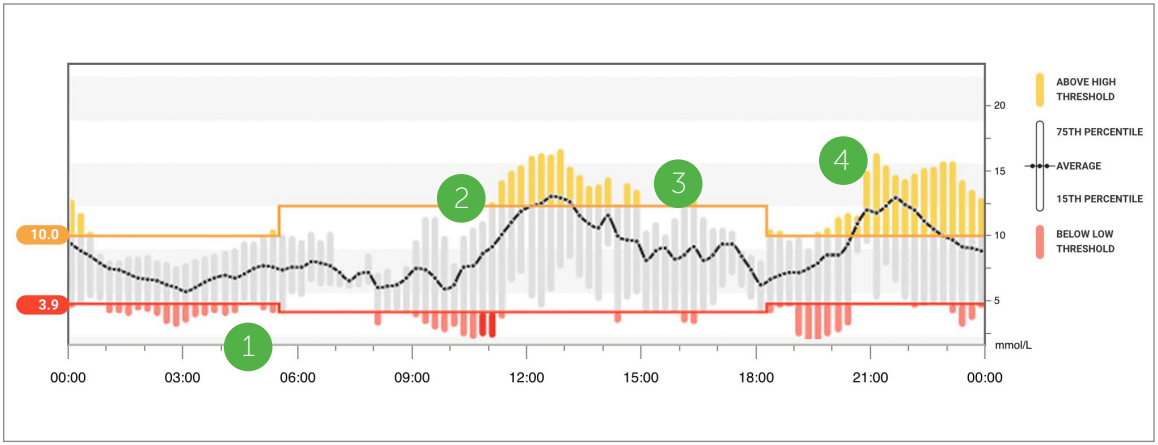
With Patterns, dive deeper with a daily microview of patient control. Identified patterns begins discussions of what, why, and how to address issues and opens the door to patient education in managing their diabetes. If patients enter events into their app or receiver, such as exercise, an icon displays below the graph to help pinpoint contributing factors. Significant data contributing to the pattern are shown in white sections.



Trends Report

Trends is a holistic visual representation of patterns. It helps prioritize clinical issues based on discussions with the patient. In this report:

- Longer bars represent greater glycemic variability.
- Clinically significant hypoglycemia patterns are red - the most significant are bright red.
- Hyperglycemia patterns are yellow - the most significant are bright yellow.
- Outlier data is removed to help focus on patterns, the top 25% and bottom 15%.



Glucose Pattern Management*

Dexcom CLARITY may not identify all clinical patterns. A stepwise approach may help you identify patient challenges with hypo- and hyperglycemia.

1. Hypoglycemia. Determine when hypoglycemia occurs and prioritize hypoglycemia overnight (1st) and hypoglycemia day/night (2nd). In this example the patient is experiencing overnight hypoglycemia (1st) as well as hypoglycemia during the morning and evening hours (2nd).

2. Pre-prandial glucose control. Determine if there is pre-meal hyperglycemia. In this example patient's lunchtime was at 11:00. No pre-prandial hyperglycemia is detected.

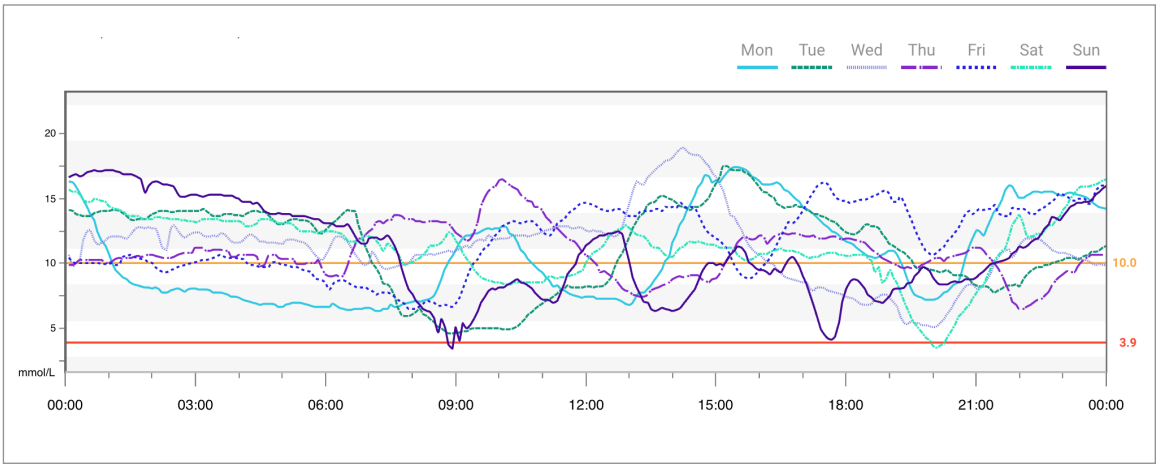
3. Post-prandial glucose control. Determine if there is post-meal hyperglycemia. In this example a pronounced post-prandial hyperglycemia is after lunchtime.

4. Overnight glucose control. Determine if there is overnight hyperglycemia. Appropriate levels of basal insulin should keep glucose values in target range throughout the night. This is a problem in the above example.

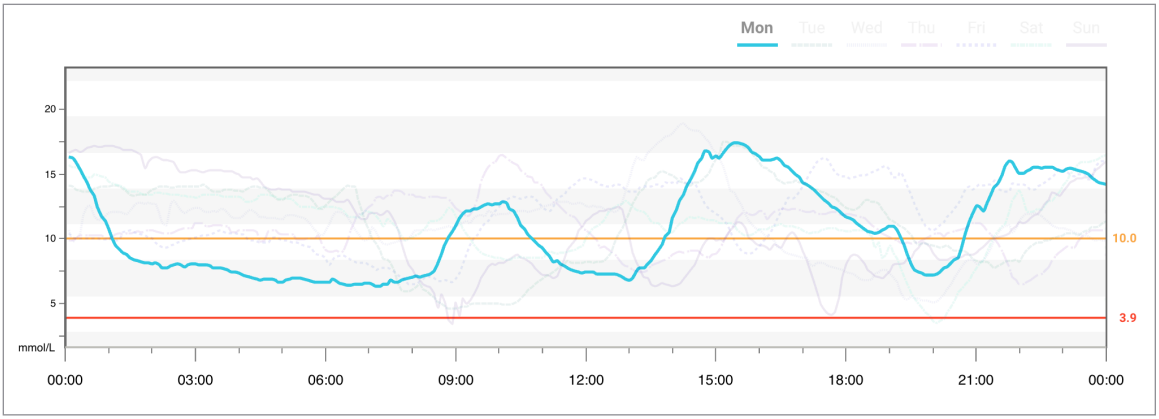
* Use your professional judgement when interpreting CGM data.

Overlay Report

The Overlay features all CGM data points to help patients visualize patterns and individual events. Each line represents one day of data and each graph contains up to 7 days of all sensor data from the selected date range.

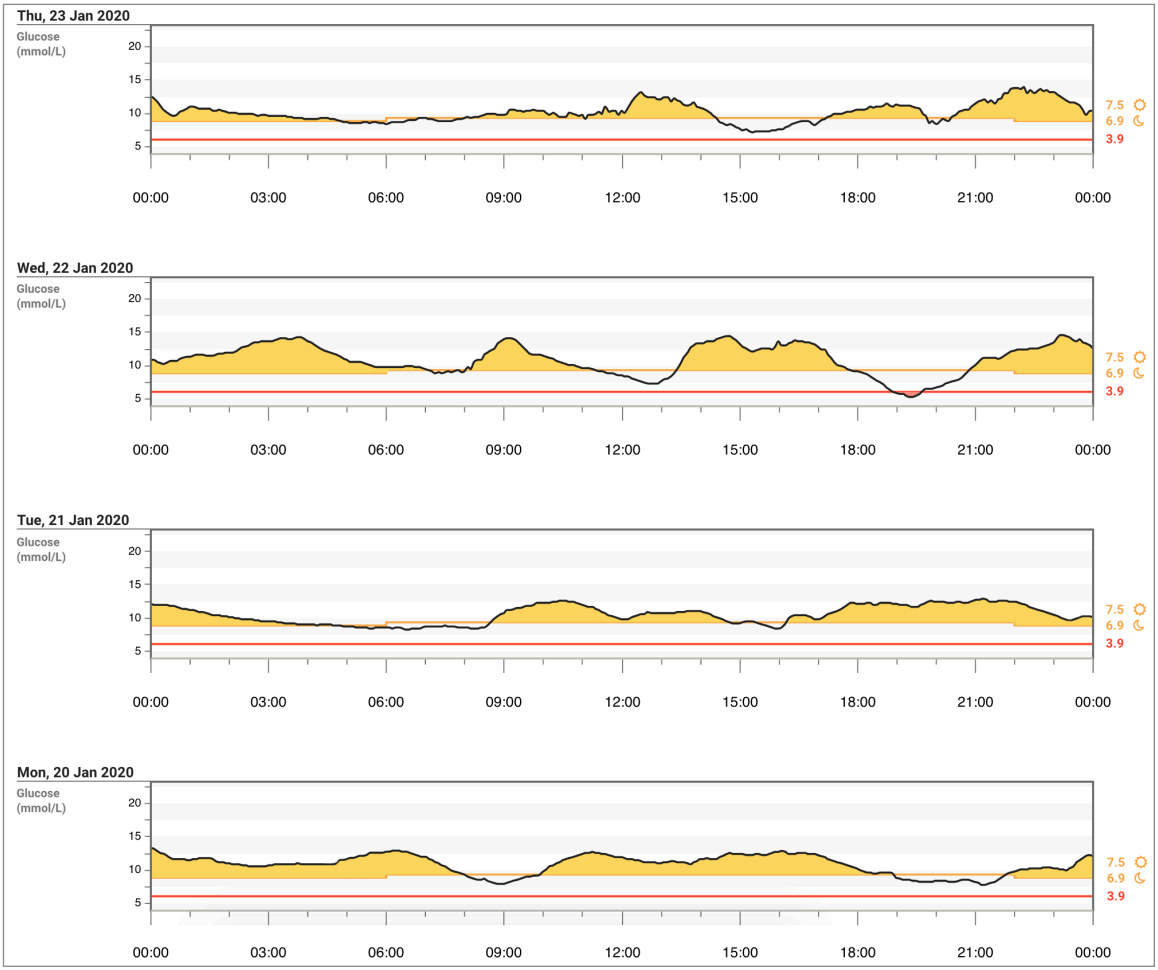


Customize reports by applying filters. View data by day of the week, day or night, lows and highs, rebounds, and sustained events. This can be useful to identify patterns of patients with irregular schedules. Sunday is filtered to identify nighttime lows.



Daily Report

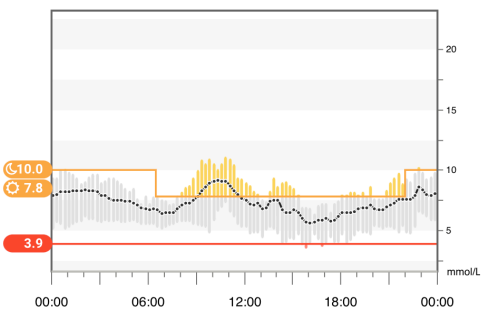
Use the Daily view to talk in depth with patients regarding individual days and isolated events. Every glucose reading is displayed in this report.



Compare Report

The Compare report encourages progress and highlights the challenges patients may be facing each visit. Review glucose changes from medication or dosage adjustments. Use during quarterly visits to pickup where you left off.

14 Days Tue 9 Jun 2020 - Mon 22 Jun 2020



Statistics for this date range

Average Glucose

7.3 mmol/L

Standard Deviation	Estimated A1C
2.2 mmol/L	6.2%

Time in Range

1% Very High
25% High
71% In Range
2% Low
<1% Very Low

Target Range: Day (06:30 - 22:00): 3.9-7.8 mmol/L
Night (22:00 - 06:30): 3.9-10.0 mmol/L

Sensor Usage

Days with CGM data

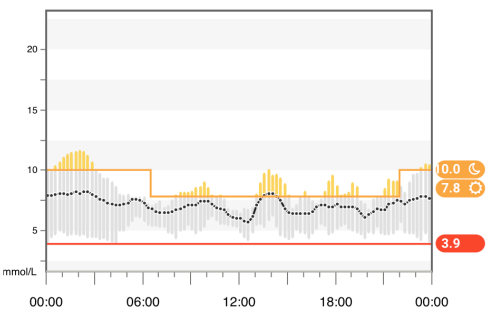
100%

14/14

Avg. calibrations per day

0.4

14 Days Tue 23 Jun 2020 - Mon 6 Jul 2020



Statistics for this date range

Average Glucose

7.1 mmol/L

Standard Deviation	Estimated A1C
2.3 mmol/L	6.1%

Time in Range

<1% Very High
24% High
72% In Range
3% Low
<1% Very Low

Target Range: Day (06:30 - 22:00): 3.9-7.8 mmol/L
Night (22:00 - 06:30): 3.9-10.0 mmol/L

Sensor Usage

Days with CGM data

100%

14/14

Avg. calibrations per day

0.0

Statistics Report

The Statistics report focuses on metrics and glucose control. Time in Range can be compared across days or times to identify issues.

Hourly statistics highlight each hour of the day, and can be used to detect patterns and fluctuations during overnight, daytime, or around a specific meal or event.

Daily Hourly

Advanced

06:00 - 22:00 Very low < 3.0 Low 3.0 - 3.9 In range 3.9 - 7.5 High 7.5 - 13.9 Very High > 13.9
22:00 - 06:00 Very low < 3.0 Low 3.0 - 3.9 In range 3.9 - 6.9 High 6.9 - 13.9 Very High > 13.9

Hourly Statistics	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10	10-11	11-12
Time in Range												
% Very High	1	8	8	7	6	4	0	0	0	5	0	0
% High	68	59	56	60	48	35	34	38	63	69	83	68
% In Range	31	33	32	33	45	59	66	60	30	25	17	32
% Low	0	0	4	0	1	2	0	2	7	<1	0	0
% Very Low	0	0	0	0	0	0	0	0	0	0	0	0
# Readings	156	156	156	163	180	165	156	168	168	168	168	168
Min	4.0	3.9	3.7	3.9	3.7	3.6	4.7	3.7	3.3	3.7	5.5	4.9
Max	14.1	15.8	16.4	16.1	15.5	15.4	11.4	10.7	12.9	14.6	13.7	12.5
Mean	8.9	8.5	8.3	8.1	7.6	7.2	7.0	7.0	7.9	9.2	9.0	8.5
Std. Dev.	2.5	2.7	3.0	3.0	3.0	2.8	1.8	1.7	2.1	2.5	1.6	1.9

Hourly Statistics	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-00
Time in Range												
% Very High	0	0	0	2	0	0	0	0	0	0	0	0
% High	53	59	57	58	57	73	66	66	58	62	59	67
% In Range	42	40	43	38	39	25	33	30	40	30	41	28

Daily statistics provides a basic daily visualization of percentage of highs, lows, and target.

Daily Hourly

Advanced

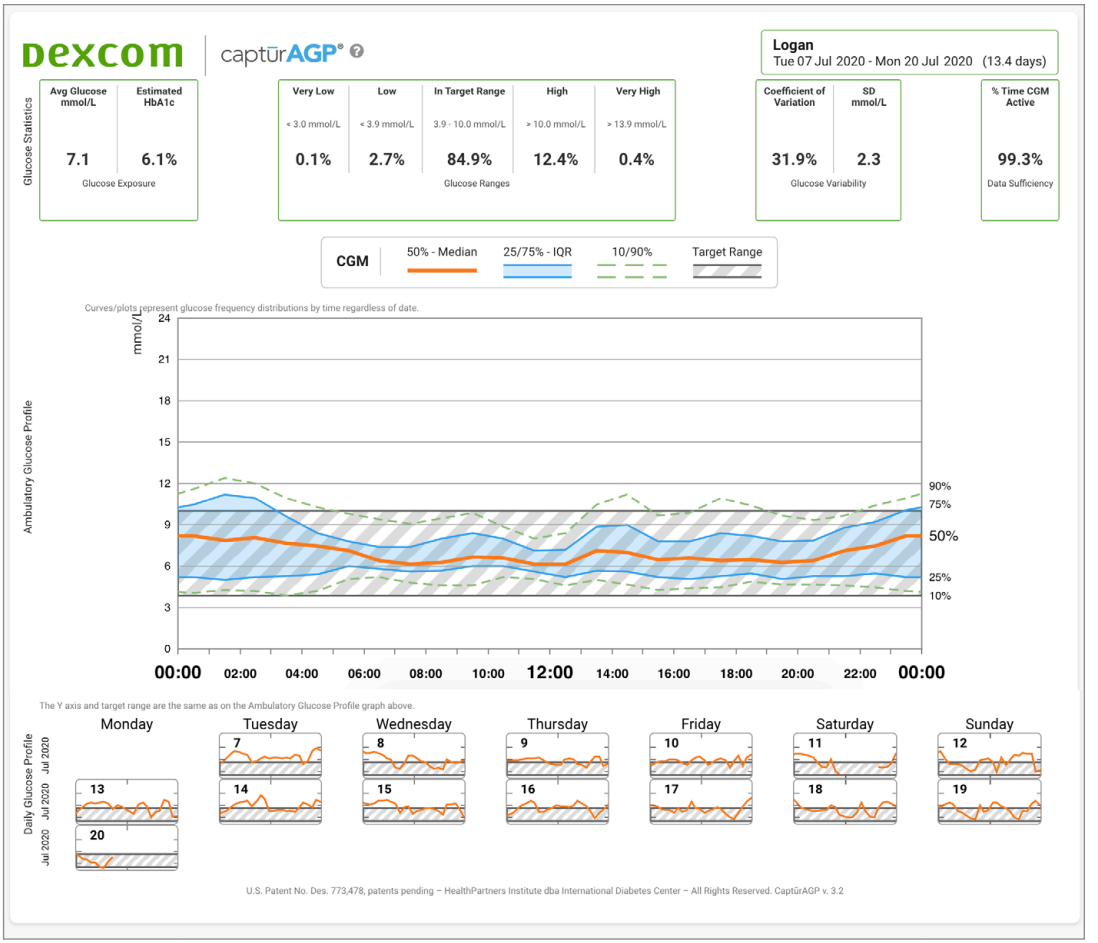
06:00 - 22:00 Very low < 3.0 Low 3.0 - 3.9 In range 3.9 - 7.5 High 7.5 - 13.9 Very High > 13.9
22:00 - 06:00 Very low < 3.0 Low 3.0 - 3.9 In range 3.9 - 6.9 High 6.9 - 13.9 Very High > 13.9

Daily Statistics	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Time in Range							
% Very High	0	0	0	<1	14	0	0
% High	51	67	77	67	54	55	39
% In Range	45	33	22	31	29	43	57
% Low	4	0	1	1	2	1	3
% Very Low	0	0	0	0	<1	<1	<1
# Readings	576	531	576	576	448	542	532
Min	3.1	4.1	3.1	3.7	2.4	2.8	2.9
Max	13.4	11.9	13.7	14.2	16.4	13.0	12.8
Mean	7.8	8.2	9.0	8.5	9.4	7.8	6.8
Std. Dev.	2.4	1.9	2.3	2.5	3.4	2.1	1.8
Quartile 25	6.0	6.7	7.8	6.8	6.9	6.2	5.5
Median	7.5	8.4	8.9	8.2	8.9	7.7	6.8
Quartile 75	9.7	9.7	10.5	9.8	12.0	9.2	8.0
IQR	3.8	3.0	2.8	3.0	5.1	3.0	2.4
IQ Std. Dev.	1.2	0.8	0.7	0.8	1.4	0.9	0.7
SD Mean	0.1	0.1	0.1	0.1	0.2	0.1	0.1
%CV	31	23	26	29	36	27	26

AGP Report

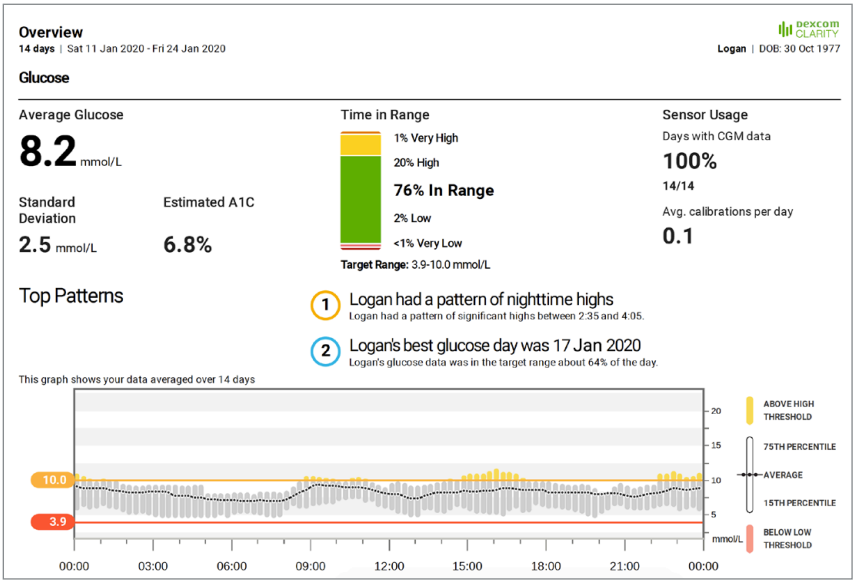
The Ambulatory Glucose Profile (AGP) is an American Association of Clinical Endocrinologists (AACE)-recommended standardized report for retrospective CGM interpretation created by the International Diabetes Center (IDC). This report show three distinct sections that:

1. Summarize glucose values to help assess the overall quality of glucose control.
2. Show variability around the mean glucose and patterned areas of highs and lows.
3. Show single-day glucose values to help identify patterns and progress.



Save or Print Reports

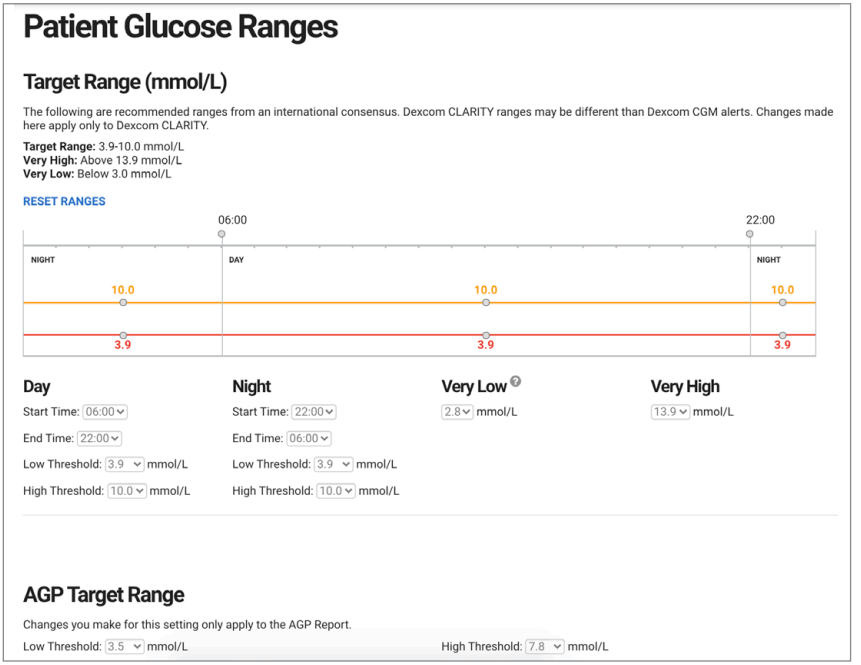
All Dexcom CLARITY reports can be saved or printed for easy reference during patient visits.



Patient Glucose Ranges

Use the Patient Glucose Ranges page to customize patient ranges for day and night. Changes you make to a patient settings only apply at the clinic and do not change the patient's personal Dexcom CLARITY account or any CGM device settings.

Reports are generated based on these settings.

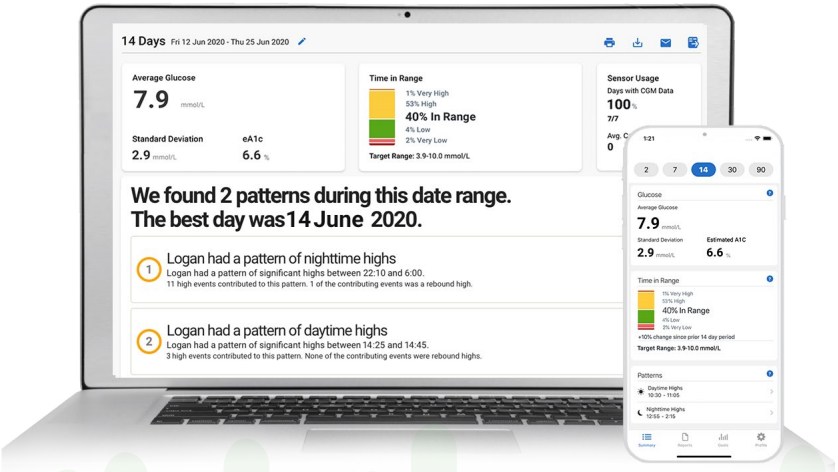


Dexcom CLARITY

Evaluate relevant glucose patterns and trends to help make diabetes management decisions from your clinic computer with Dexcom CLARITY.

With Dexcom CLARITY, you create patient accounts to upload and track continuous glucose monitoring (CGM) data during visits. View interactive reports, then save and print as needed. Invite patients to use Dexcom CLARITY and share their CGM data with your clinic for more efficient appointments.

Register your clinic at clarity.dexcom.eu/professional



Intended Use/Safety Statment

The web-based Dexcom CLARITY software is intended for use by healthcare professionals to assist them in the review, analysis, and evaluation of historical CGM data to support effective diabetes management in their patients. It is intended for use as an accessory to Dexcom CGM devices with data interface capabilities. Caution: The software does not provide any medical advice and should not be used for that purpose. Healthcare professionals should use information in the software in conjunction with other clinical information available to them.