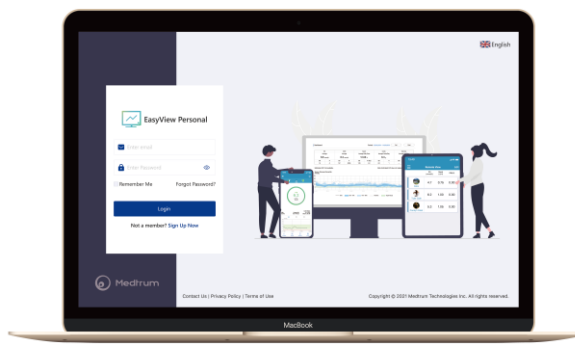
Medtrum EasyView Website User Guide

For Patients



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Medtrum EasyView Website enables you to view both the real-time and uploaded data of your insulin pump and continuous glucose monitoring (CGM) system. You can also print the data report for further use.

1.1 Related Documents

- ✓ *Medtrum EasyTouch App User Guide*
- ✓ *Medtrum EasyPatch App User Guide*
- ✓ *TouchCare® System User Guide*
- ✓ *CGM System User Guide*

2.1 Accessing the Website

Before accessing EasyView Website, ensure that your operating system and web browser are both supported.

Supported Operating Systems and Web Browsers

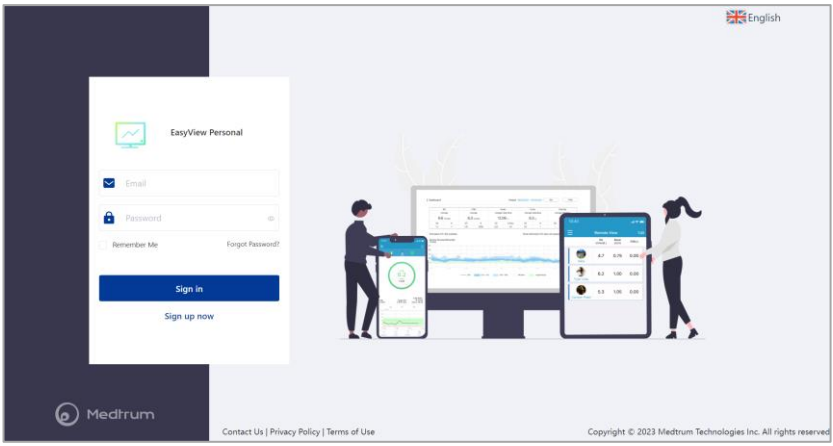
Operating System	Web Browser
Windows 7, Windows 8, Windows 10, and Windows 11	Google Chrome 61.0 or later, Firefox 56.0.2 or later, or Microsoft Edge 41 or later
Mac OS 10.10.5 or later	Safari 8.0.8 or later

To start EasyView Website, please visit the following web address:

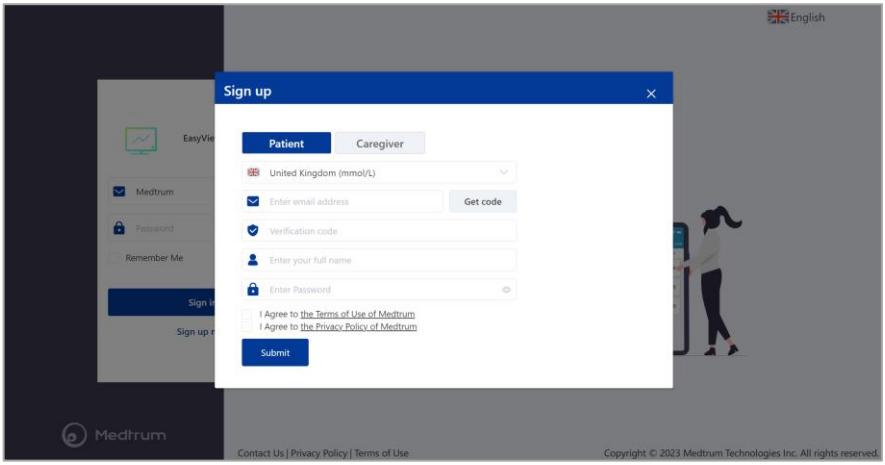
https://easyview.medtrum.eu

2.2 Sign-Up

The following page shows what the EasyView sign-in page looks like. If you do not have a Medtrum account, click **Sign up now** to register an account with your e-mail address first**.**



In the displayed sign-up dialog box, choose **Patient**, select your country/region, and enter the required information to create an account.



Description for Sign-up Parameters

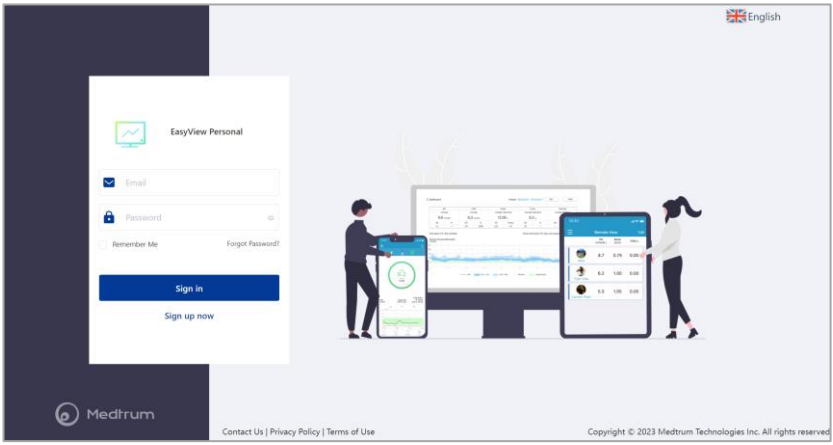
Parameter	Description
E-mail address	A valid e-mail address that will be used as your account. If you have an account of Medtrum EasyTouch, EasyPatch, or EasySense app, you can directly use this account to sign in to EasyView Website.
Verification code	A 6-digit verification code sent to your e-mail address after you click **Get code**.
Full name	Your name. You are advised to enter your full name so that your healthcare providers can easily recognize you.
Password	Password of your account. Your password should contain upper case letters, lower case letters, numbers (0-9), and special characters or non-alphanumeric characters such as **!**, **"**, **£**, **$**, **%**, **&**, *****, and **@**.

Note: If there is no verification code sent to your e-mail address, please check your junk mails.

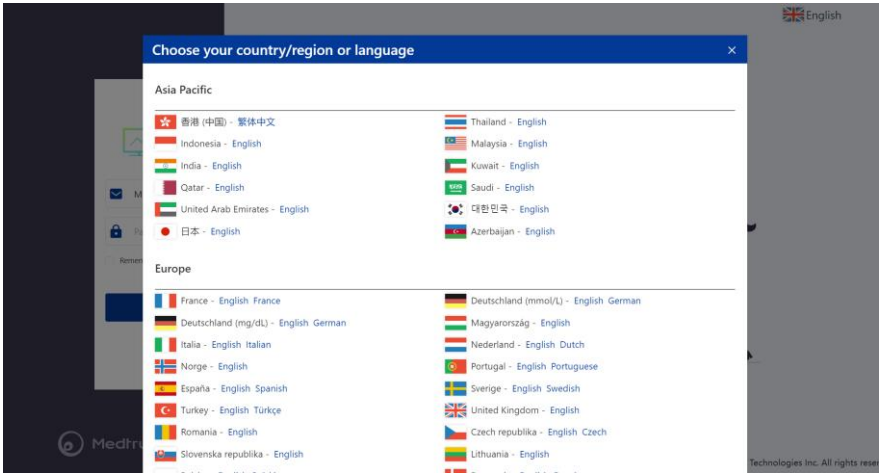
Agree to the terms of use and privacy policy of Medtrum after you have read them, and then click **Submit** to register your account.

2.3 Sign-In

If you have registered your account in the previous step or you have an account registered on your Medtrum EasyTouch, EasyPatch, or EasySense app, you can directly sign in to EasyView Website with it.

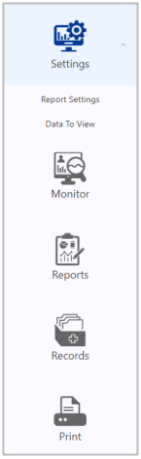


1. Click the flag in the upper right corner of the sign-in page to choose the country/region you used upon registration.



2. Enter your e-mail address used upon registration and password.
3. Click **Sign in**.

If the sign-in is successful, you can find the following navigation bar on the left side of the displayed page. By choosing **Settings**, you can configure the settings of reports and data to view.

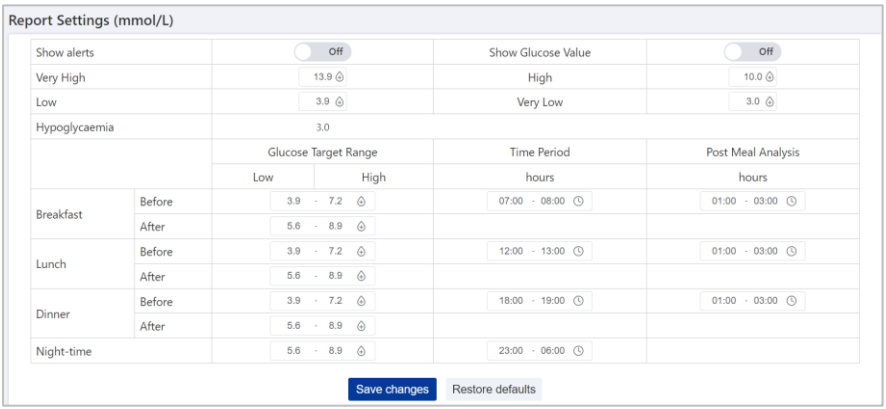


3.1 Report Settings

Choose **Settings** > **Report Settings** to set reports.

You can toggle **Show alerts** and **Show Glucose Value** on or off to decide whether to display them in the report.

Set **Glucose Target Range**. Its value will be used in the following graphs: **Dashboard**, **Daily Summary**, **Day by Day Overview**, **Sensor Overlay**, **Trend Analysis**, and **Logbook**.

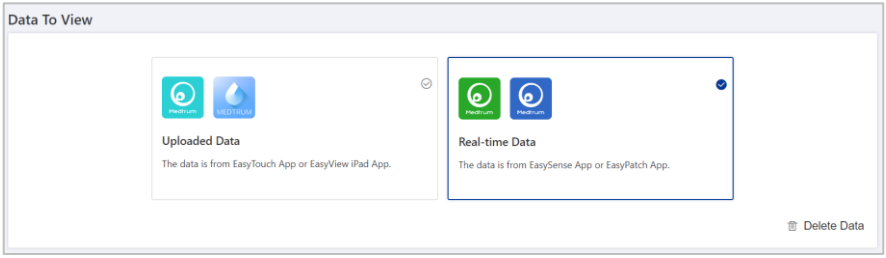


Set **Time Period** for breakfast, lunch, dinner and nighttime. They will be used in graphs of **Day by Day Overview** and **Logbook**.

Click **Save changes** to save your settings.

3.2 Data to View

Choose **Settings** > **Data To View**.



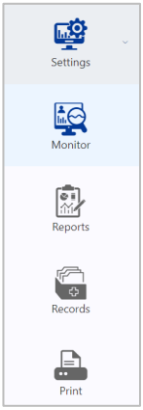
If you are using a TouchCare® System with a Medtrum EasyTouch app or EasyView iPad app, please select **Uploaded Data.**

If you are using an EasySense® CGM System or EasyPatch®System, please select **Real-time Data**.

Note: Please refer to *Medtrum EasyTouch App User Guide* to learn about how to use EasyTouch with your TouchCare® System.

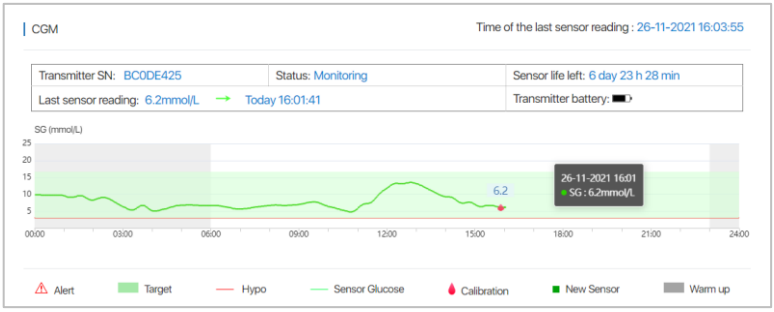
Note: You can click **Delete Data** to delete both real-time and uploaded data.

Choose **Monitor** from the navigation bar to display the **Monitor** page.



The Monitor page will display all your real-time device information if you are using a Medtrum product connected via Bluetooth to a Medtrum app that has Internet access.

4.1 CGM



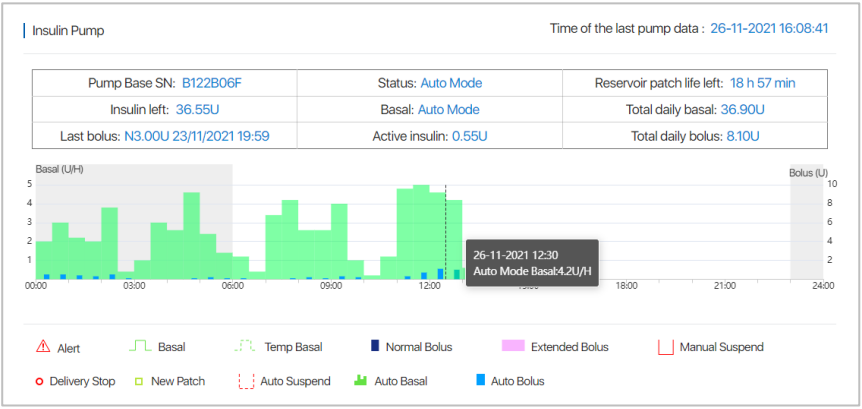
If you are using a glucose sensor, you will be able to see the real-time sensor data in the **CGM** area.

CGM Data Description

Data	Description
Time of the last sensor reading	Date and time of the last sensor reading sent to cloud.
Transmitter SN	The serial number of the current transmitter.
Status	● **Not Calibrated**: The sensor is not calibrated after warm-up. ● **Monitoring**: The sensor and transmitter function normally, and the transmitter is sending the sensor glucose to the app. ● **Calibration Needed**: A new calibration is required. ● **Calibration Error**: The last calibration failed. ● **Lost Sensor**: The sensor signal is lost. ● **Sensor Expired**: The sensor has been used over 14 days. ● **No Readings**: The sensor functions abnormally. ● **Sensor Failure**: The sensor has failed. ● **Transmitter Error**: The transmitter functions abnormally.

	• **Connecting Sensor**: The transmitter is not properly connected with an active sensor. • **Charging Battery**: The transmitter battery is being charged. • **Battery Charged**: The transmitter battery is fully charged.
Sensor life left	The rest functioning time of the sensor.
Last sensor reading	The latest sensor reading your app received.
Transmitter battery	Power consumption of the transmitter.
Sensor glucose curve	The green curve in the graph indicating the trend of your sensor glucose.
Calibration record	The blood drip icon in the graph indicating the calibrated glucose reading.
New sensor	The green square icon in the graph indicating the use of a new sensor.
Warm up	CGM warm-up period marked in grey.
Alert	Indicates a CGM alert is triggered.

4.2 Insulin Pump



If you are using an insulin pump, you will see the real-time pump data in the **Insulin Pump** area.

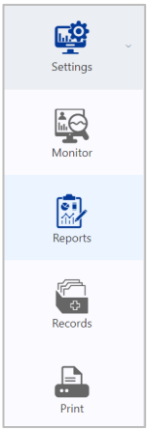
Insulin Pump Data Description

Data	**Description**
Time of the last pump data	Date and time of the last pump data sent to cloud.
Pump Base SN	The current serial number of the pump base.
Status	● **Delivering Basal**: The patch pump is delivering basal insulin. ● **Delivering Normal Bolus**: The patch pump is delivering a normal bolus. ● **Delivering Extended Bolus**:

	The patch pump is delivering an extended bolus. ● **Suspend**: Insulin delivery is suspended. ● **Lost Pump**: The PDM has lost pump signal. ● **Occlusion Detected**: The patch pump is occluded. ● **Empty Reservoir**: No insulin left in the patch pump. ● **Patch Expired**: The reservoir patch has expired. ● **Patch Error**: The reservoir patch is not working properly. ● **Patch Battery Depleted**: The reservoir patch battery is depleted. ● **Pump Base Error**: The pump base is not working properly. ● **Auto Mode**: The auto mode is enabled.
Reservoir patch life left	The reservoir path life left.
Insulin left	The amount of insulin left in the reservoir.
Basal	The current basal rate.

Total daily basal	The total daily basal insulin that has been delivered.
Last bolus	The last bolus dose.
Active insulin	The amount of active insulin.
Total daily bolus	The total daily bolus insulin that has been delivered.

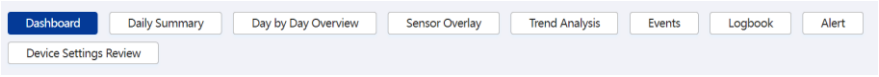
Choose **Reports** from the navigation bar to display the **Reports** page.



You can find the analysis of the sensor or pump data in the following reports: **Dashboard**, **Daily Summary**, **Day by Day Overview**, **Sensor Overlay**, **Trend Analysis**, **Events**, **Logbook**, **Alert** and **Device Settings Review**.

If you specify the ending date on one of the reports, the ending date of the other reports will be synchronized automatically.

5.1 Dashboard



The dashboard report is used for reviewing the statistics of CGM readings and insulin pump delivery. It provides detailed data for analyzing and managing diabetes.

Reports

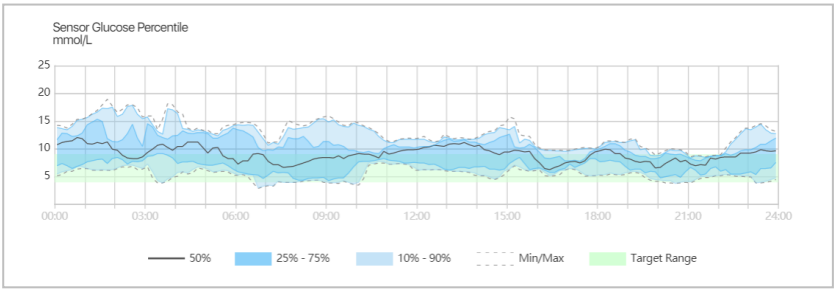
The first part of the report shows the overall glucose statistics: average BG, CGM reading, daily insulin delivery, carbs-intake, and exercise time as well as standard deviation (SD) and number of input (#) of each. An estimated A1C is calculated from SG values.

BG		CGM		Insulin		Carbs		Exercise	
Average		Average		Average Daily Dose		Average Carbs/Day		Average time/Day	
9.5 mmol/L		9.6 mmol/L		53.58 U		5 g		-- min	
SD	#	SD	#	SD	# days	SD	#	SD	#
5.48	18	2.61	4680	8.10	3.0	0.0	1	--	--

Estimated A1C: 7.7% calculated from SG values

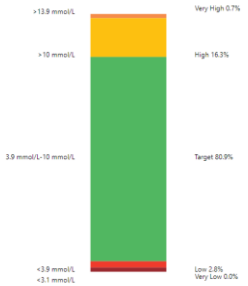
Note: Estimated A1C does not replace lab measurement

The second part displays the percentile report, in which you can view the SG distribution at certain daily time points during the selected days.



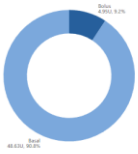
The third part of the report includes detailed glucose and insulin delivery statistics. You can also view the glucose and insulin distribution of the selected days.

BG	BG / calibration (per day)	11.9 / 3.4
SG	AUC high > 10 mmol/L	0.2
	AUC low < 3.9 mmol/L	0
	Highest value	18 mmol/L
	Lowest value	3.1 mmol/L
	<3.1 mmol/L	0.0%
	<3.9 mmol/L	2.8%
	3.9 mmol/L-10 mmol/L	80.9%
	>10 mmol/L	16.3%
	>13.9 mmol/L	0.7%
Sensor	Sensor used	1
Pump	Daily Basal	28.01U/43.8 %
	Daily Bolus	35.90U/56.2 %
	Average Bolus No. (per day)	5.3
	Average Suspend time (per day)	3 min
	Average Reservoir usage (per day)	2.3 days



Overall: Time In Range

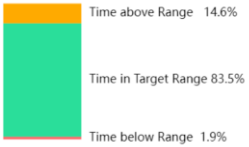
Manual Bolus (Volume/No. per day)	0U/0
-Normal	0U/0
-Extended	0U/0
-Combo	0U/0
Bolus Calculator (Volume/No. per day)	0.07U/0.3
-Food Bolus calc.	0.07U/0.3
-Corr Bolus calc.	0U/0
-Override(+)	0U/0
-Override(-)	0U/0



Basal & Bolus

The fourth part of the report includes Auto Mode statistics. You can view the percentage of time during which your BG stays in the target range when the Auto Mode is enabled. You can also view the amount of auto basal and auto correction bolus delivered from the table.

Auto Mode	Time in Auto Mode	99.4%
	Average SG ± SD	7.4 ± 2.22 mmol/L
	Time in Target Range	83.5%
	Time above Range	14.6%
	Time below Range	1.9%
	Auto Basal (per day)	27.95U
	Auto Bolus (per day)	3.17U
Auto Mode Exits	No Sensor readings	0
	Max Delivery	0
	Min Delivery	0

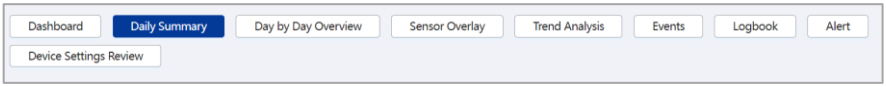


Time in target range

You can choose to view data from the past 7 days, 14 days, 30 days, 90 days, or custom duration.

You can print this report by simply clicking **Print** in the upper right corner of the page.

5.2 Daily Summary



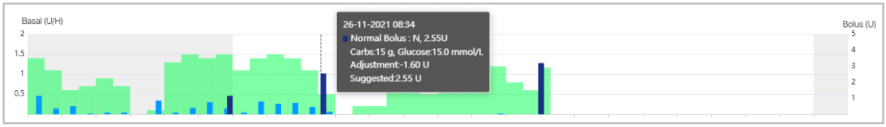
This report presents the sensor glucose curve, calibration marks, basal rates, bolus doses, alerts, carbohydrate records, target SG in auto mode, time changes made in device settings, manual insulin injections, and exercise records of a selected day.

Statistics

Glucose			Insulin		Events	
	BG	SG				
Avg. (mmol/L)±SD	7.2±1.33	6.6±1.19	Total daily dose (U)	16.95	Carbs (g)	40
Min (mmol/L)	5.6	4.3	Bolus (U)/%	1.10/6%	# of meals	2
Max (mmol/L)	8.5	9.3	Basal (U)/%	15.85/94%	Avg±SD	20.0±0.0
Target (%)	100	100	Food Bolus (U)	0	Total exercise time	30
Low (%)	0	0	Correction Bolus (U)	0	# of exercises	1
High (%)	0	0	Food+corr (U)	0.65	Avg. Intensity	30
# of readings	4	418	Normal Bolus (U)	0.65		
# of hypo/duration(min)	0	0/0	Extended Bolus (U)	0		
# of alerts	--	2	Temp Basal (U)	0		
			Duration of suspension(min)	0		
			# of pump alarms	0		

Auto Mode	
Time in Auto Mode(%)	23%
Avg.(mmol/L)±SD	7.1 ± 1.16 mmol/L
Target Range(%)	100%
Above Range(%)	0%
Below Range(%)	0%
# of Auto Mode Exits	0

By moving the cursor along the graph, you will see detailed information of each bolus delivery.



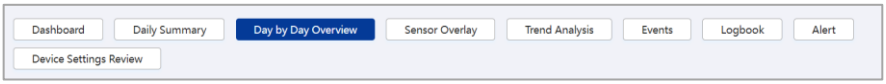
The default date is always the last date before the day you open the website.

You can change the date by clicking

Date: 06-12-2022 - 12-12-2022 and choose the date on the calendar.

You can print this report by simply clicking **Print**.

5.3 Day by Day Overview



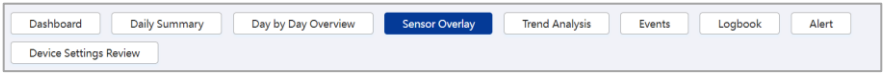
This report presents the meter blood glucose readings, sensor glucose curves, insulin delivery curves, and carbs intake of 7 or 14 days. The default period is 7 days.

You can move your mouse cursor to the blood drop icon of the BG you wish to view.

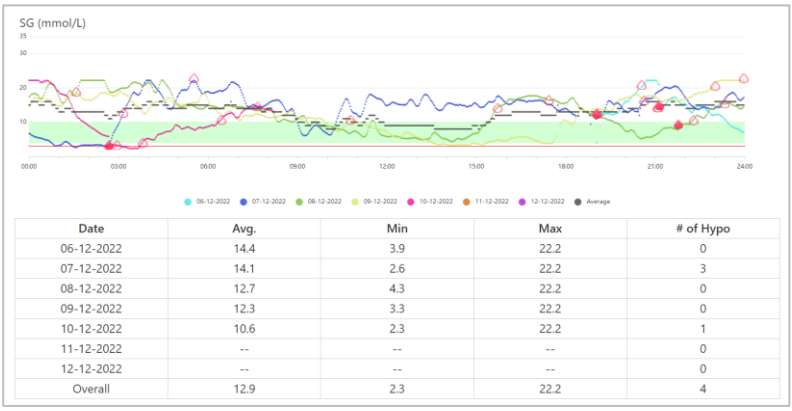
You may select to view data from the past 7 days, 14 days, or custom duration.

You can print this report by simply clicking **Print**.

5.4 Sensor Overlay

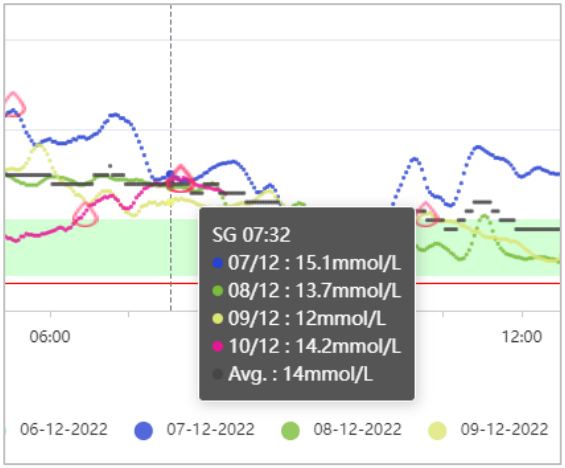


This report displays the sensor data overlay and meter blood glucose readings within a given number of days (7 days at most) before a selected date. All the daily SG curves and meter blood glucose readings are displayed in an overlap graph so that you can easily see the pattern of glucose levels in a given period. If you print it, you will also see the daily average SG, maximum SG, minimum SG, and the number of hypoglycemia episodes.

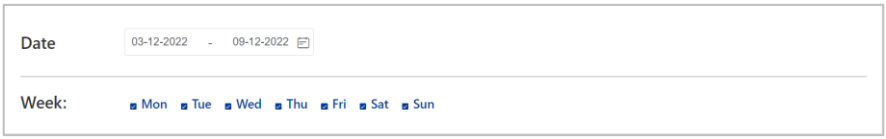


Date	Avg.	Min	Max	# of Hypo
06-12-2022	14.4	3.9	22.2	0
07-12-2022	14.1	2.6	22.2	3
08-12-2022	12.7	4.3	22.2	0
09-12-2022	12.3	3.3	22.2	0
10-12-2022	10.6	2.3	22.2	1
11-12-2022	--	--	--	0
12-12-2022	--	--	--	0
Overall	12.9	2.3	22.2	4

By moving the cursor along the curves, you can see more detailed information.

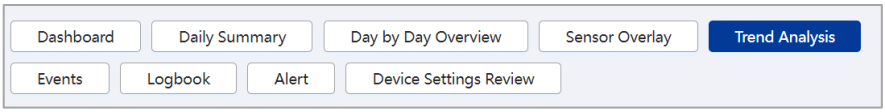


Although the Sensor Overlay page displays only the data of the past 7 days, you can specify the start date or the end date to view the corresponding graph.



You can print this report by simply clicking **Print**.

5.5 Trend Analysis



This report shows the trend graph and statistics within a given number of days (90 days at most).

The Glucose Trend graph and statistics include:

- **Basic statistics**
  - **Avg.**: The average of all the sensor readings.
  - **Max**: The highest sensor reading.
  - **Min**: The lowest sensor reading.
  - **Med**: The Midpoint of all the sensor readings.
  - **Q1**: 25% of sensor readings are lower than this value.
  - **Q3**: 75% of sensor readings are lower than this value.
  - **IQR**: The interquartile range (IQR) is the difference between **Q1** and **Q3**.
  - **SD**: The Standard deviation (SD) measures the amount of variability

or dispersion, from the individual sensor readings to the average.

- **CV**: The Coefficient of variation (CV) is a measure of relatively variability.
- **SE Mean**: The Standard Error (SE) Mean measures how spread out the sensor readings are.

➢ **Distribution %**: The distribution of the sensor readings. The high and low limits are set in the report settings.

➢ **Stability**

- **AUC above limit**: The Area under a Curve (AUC) above limit is a measure of the high glucose above the high limit.
- **AUC below limit**: The AUC below limit is a measure of the low glucose below the low limit.
- **# of high / low**: Shows how many times the sensor readings are higher than the high limit or lower than the low limit.

➢ **BG statistics**

- **Avg**: The average of all the BG readings.
- **SD**: The Standard deviation (SD) measures the amount of variability or dispersion, from the individual BG reading to the average.
- **# of Hypo**: Shows how many times the BG readings are lower than 3.1 mmol/L (56 mg/dL).
- **BG readings**: The number of the BG readings.

The Insulin trend graph and statistics include:

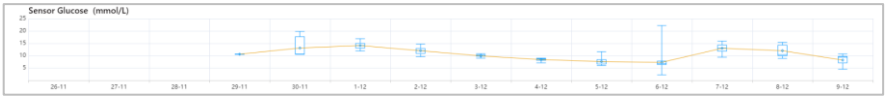
- **Avg. Daily Total**: The average of total insulin delivered per day.
- **Avg. Daily Basal**: The average of daily Basal delivered per day.
- **Avg. Daily Bolus**: The average of daily Bolus delivered per day.
- **Avg. # of bolus/Day**: The average number of times to deliver a bolus per day.
- **Avg. bolus(U)/Each**: The average insulin delivered for each Bolus.

The Carbs statistics include:

- **Carbs (g)**: The carbohydrates intake
- **# of meals**: The number of meals.

The Exercise statistics include:

- **Duration (min)**: The total duration of exercise
- **# of Exercises**: The number of exercises.



Statistics

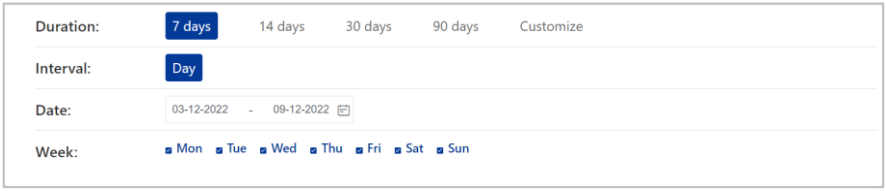
Statistics	Basics									Distribution%			Stability				BG						
	Avg.	Max	Min	Med	Q1	Q3	IQR	SD	CV	SE Mean	High	Low	Target	AUC Above limit	AUC Below limit	# of high	# of low	High%	Low%	Target%	Avg.	SD	# of Hypo	BG readings
3-12	9.9	10.8	9	9.9	9.8	10.3	0.5	0.46	0.05	0.02	100	0	0	4.3	0	720	0	--	--	--	--	--	0	0
4-12	8.4	9	7.1	8.6	8.1	8.8	0.7	0.51	0.06	0.02	100	0	0	2.78	0	720	0	--	--	--	--	--	0	0
5-12	7.6	11.6	6	7.5	6.6	8.4	1.8	1.16	0.15	0.04	100	0	0	2	0	720	0	100.0	0.0	0.0	10.1	2.48	0	5
6-12	7.3	22.2	2.2	6.8	6.4	7.8	1.4	2.34	0.32	0.09	88.1	2	9.9	1.64	0.02	576	13	77.8	22.2	0.0	9	7.26	2	9
7-12	13	15.9	9.4	13.1	11.8	14.3	2.5	1.54	0.12	0.06	100	0	0	7.43	0	720	0	--	--	--	--	--	0	0
8-12	12	15.4	8.9	10.4	9.9	14.3	4.4	2.27	0.19	0.08	100	0	0	6.37	0	720	0	100.0	0.0	0.0	11.3	1.83	0	3
9-12	8.2	10.7	4.5	9.4	7.1	9.7	2.6	1.85	0.22	0.09	77.8	0	22.2	1.77	0	364	0	100.0	0.0	0.0	6	0	0	1
Avg/Total	9.6	22.2	2.2	9.4	7.8	10.4	2.6	2.63	0.27	0.04	96.1	0.3	3.6	3.76	0	648	1	88.9	11.1	0.0	9.5	5.48	0	4

Statistics

Statistics	Insulin						Carbs		Exercise	
	Avg. Daily Total (U)	Daily Basal		Daily Bolus		Avg. # of bolus/Day	Avg. bolus(U)/Each	Carbs (g)	# of meals	Duration (min)	# of Exercises
3-12	11.85	10.5	88.6%	1.35	11.4%	0	--	0	0	0	0
4-12	0	0	--	0	--	0	--	0	0	0	0
5-12	26.75	17.35	64.9%	9.4	35.1%	5	1.9	92	5	0	0
6-12	43.15	38.25	88.6%	4.9	11.4%	1	4.9	15	1	0	0
7-12	62.9	55.4	88.1%	7.5	11.9%	0	--	0	0	0	0
8-12	54.7	52.25	95.5%	2.45	4.5%	0	--	0	0	0	0
9-12	43	42.65	99.2%	0.35	0.8%	0	--	0	0	0	0
Avg/Total	40.4	36.05	89.3%	4.35	10.7%	1	4.35	54	3	0	0

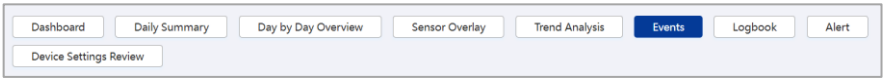
By moving the cursor along the graphs, you can see more detailed information.

You can choose to view data from the past 7 days, 14 days, 30 days, 90 days or custom duration.

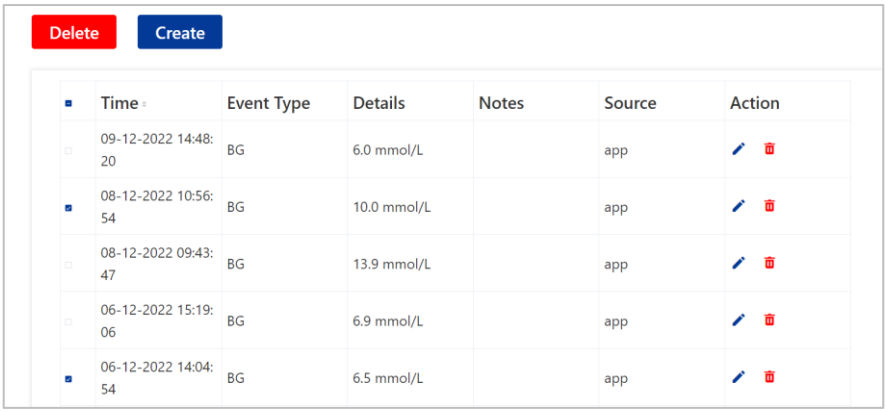


You can print this report by simply clicking **Print**.

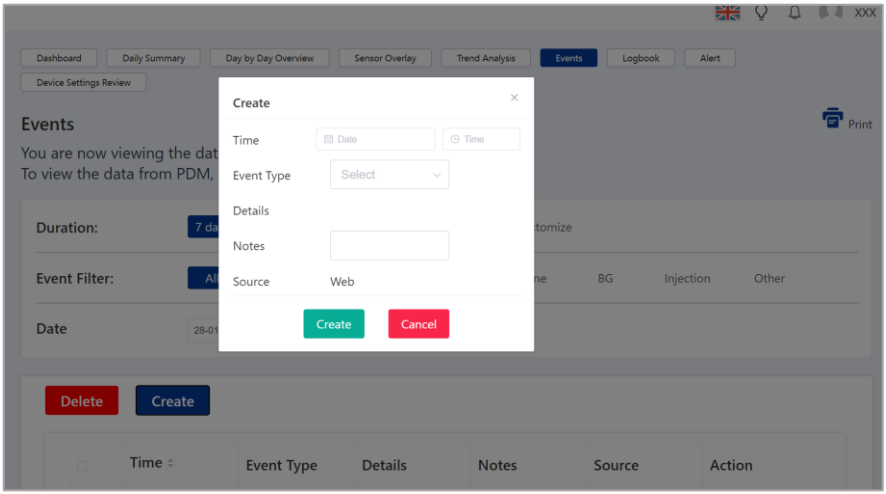
5.6 Events



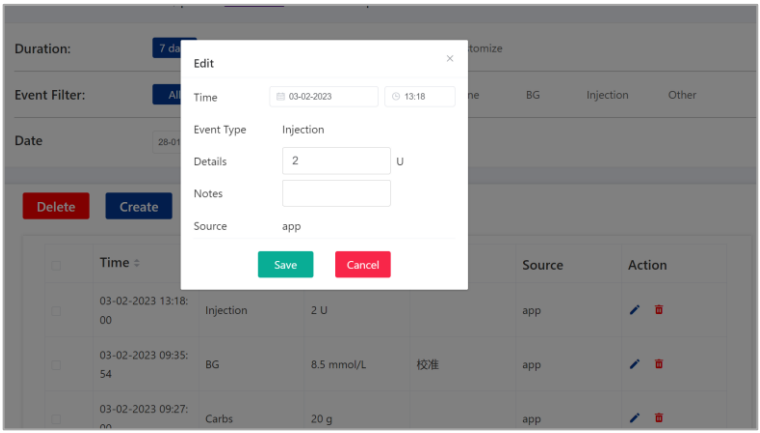
You can view events recorded on your EasyTouch, EasySense, or EasyPatch app and those recorded in your PDM if you have uploaded PDM data to the cloud.



To create a new event from the website, click **Create**, record the event in the displayed dialog box, and then click **Create**.

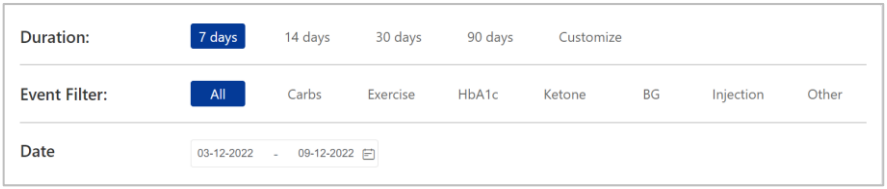


To edit an existing event, click in the **Action** column, edit the event in the displayed dialogue box, and then click **Save**.

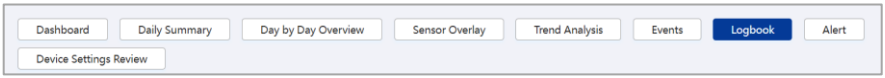


To delete events from the page, select them and then click **Delete** or in the **Action** column.

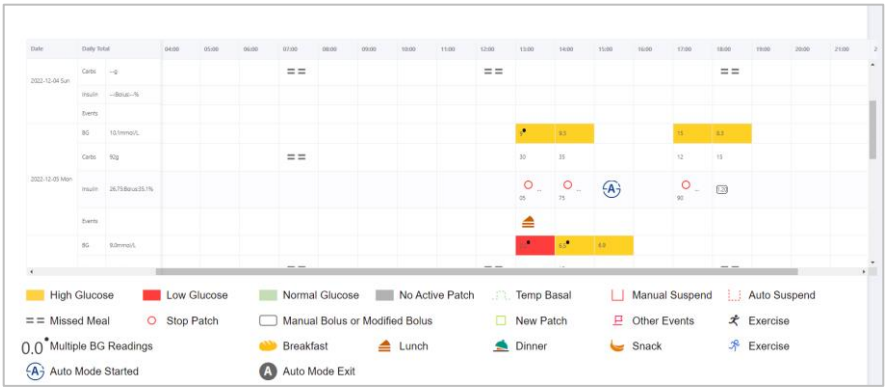
You can choose to view data from the past 7 days, 14 days, 30 days, 90 days or custom duration.



5.7 Logbook



This report presents the meter blood glucose values, bolus doses, pump status and other events for each hour of a specified period.

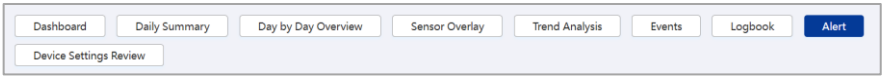


You can move the horizontal scroll bar to see all the data throughout the 24 hours. BG readings within the normal range are marked in green, while high BG readings and low BG readings are marked in yellow and red respectively. The color for data visualization is entirely dependent on your preference of the overall glucose target. Numbers inside the rectangular box (**Manual Bolus or Modified Bolus**) represents either manual bolus or bolus given through Bolus Calculator but differs from the suggested amount.

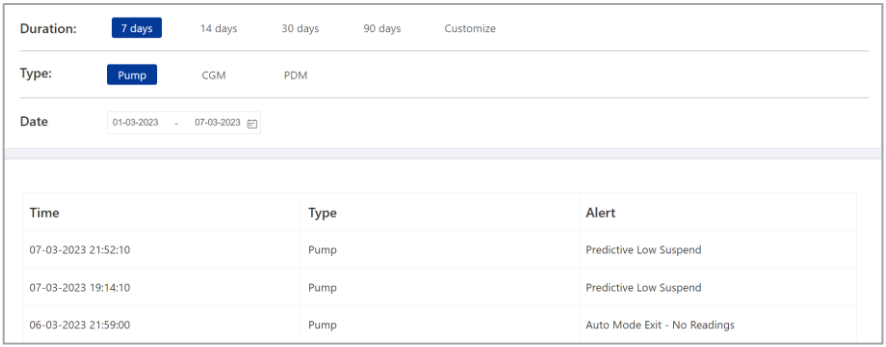
You can choose to view data from the past 7 days, 14 days or custom duration.

You can print this report by simply clicking **Print**.

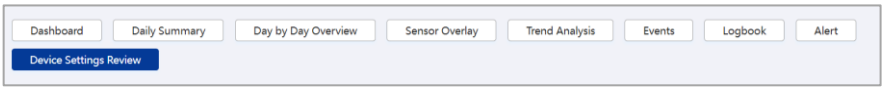
5.8 Alert



This report presents all the PDM, pump and CGM alarms and alerts within a specified period. You can choose the duration of the alert history or the alert type that you are interested in.



5.9 Device Settings Review



This report presents the pump and CGM settings of a specified day. Additionally, the PDM or app settings are displayed depending on the data source selected.

Standard — 24h Total: 28.30U

Start	00:00	02:00	03:00	05:00	06:00	07:00	09:00	11:00	12:00	15:00	17:00	19:30
U/H	1.00	1.05	1.10	1.20	1.30	1.45	1.30	1.20	0.95	1.20	1.25	1.30
Start	21:30	23:00										
U/H	1.20	1.10										

Pattern A — 24h Total: 28.15U

Start	00:00	02:00	03:00	06:30	14:00	16:30	19:00	23:00
U/H	1.00	1.10	1.15	1.20	1.25	1.15	1.25	1.05

Preset temp basal

HeavyEx	Sick	Temp1
74.00%	200.00%	4.00U/H
240	240	150

Only the basal patterns and preset temp basal that have been preprogrammed will be displayed on the **Device Settings Review** page.

Reports

Bolus

Maximum Bolus: 25U	Bolus Calculator: On	Active Insulin Time: 3H

IC Ratios(g/U)

Start	00:00	07:30	11:00	12:30	16:30	19:30
Carbs	7.8	6.7	7.2	8	7.5	7

Insulin Sensitivity mmol/L

Start	00:00
BG	2.8

BG Target

From	00:00
Range	5.0-6.1

Bolus Reminder (Off)

From	--	--	--
To	--	--	--

Pump

Pump Base SN: 3F2D4GT0	Patch Expiration: Off	Low Reservoir: Insulin 12U
Out of Range: Off	Command Reminder: Off	Auto Off: On 12H
Daily Max: 80U	Hourly Max: 35 U	

Alarms & Alerts on APP

Audio	Vibrate	Pump Light
On	Off	On

Alarms on App

Repeat	Snooze	Tone
5	60	Default

Alerts on App

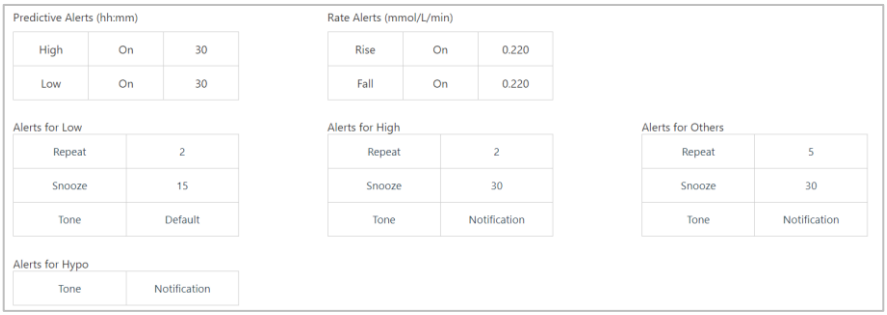
Repeat	Snooze	Tone
10	60	Default

CGM

Transmitter SN: A1B2C3D4	Sensor Expiration: Off	Glucose Alerts: Off
Factory Calibration: On		

Glucose Limits

From	00:00
Low	4.2
High	10.0



Predictive Alerts (hh:mm)

High	On	30
Low	On	30

Rate Alerts (mmol/L/min)

Rise	On	0.220
Fall	On	0.220

Alerts for Low

Repeat	2
Snooze	15
Tone	Default

Alerts for High

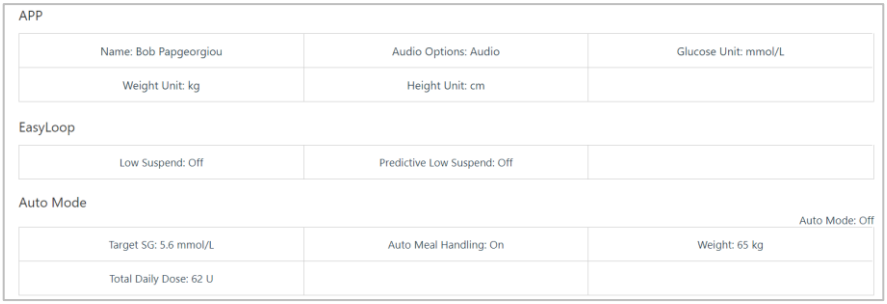
Repeat	2
Snooze	30
Tone	Notification

Alerts for Others

Repeat	5
Snooze	30
Tone	Notification

Alerts for Hypo

Tone	Notification



APP

Name: Bob Papgeorgiou	Audio Options: Audio	Glucose Unit: mmol/L
Weight Unit: kg	Height Unit: cm	

EasyLoop

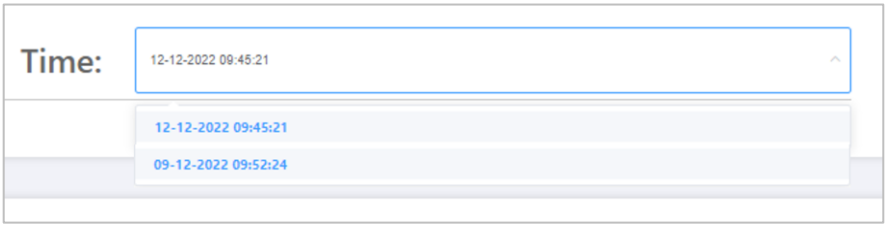
Low Suspend: Off	Predictive Low Suspend: Off	

Auto Mode

Auto Mode: Off

Target SG: 5.6 mmol/L	Auto Meal Handling: On	Weight: 65 kg
Total Daily Dose: 62 U		

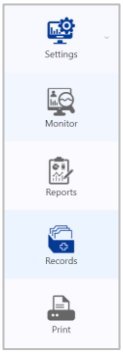
If there's more than one device setting profile saved, you may select from date and time to view another profile.



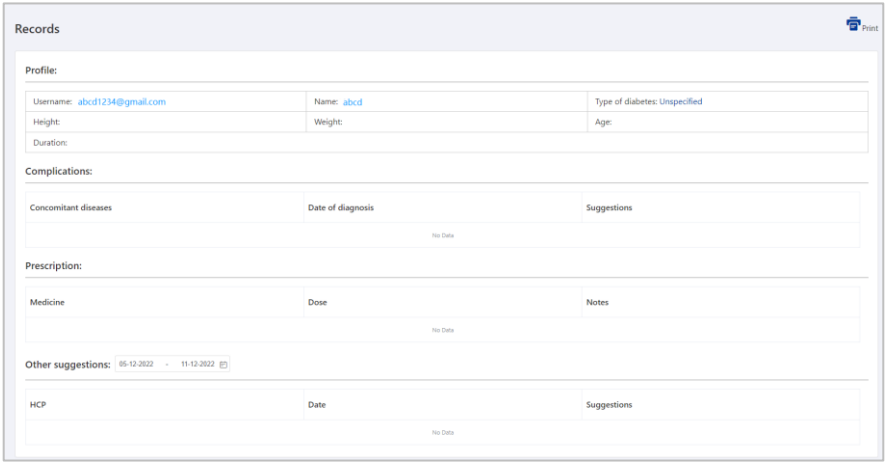
You can print this report by simply clicking **Print**.

Choose **Records** from the navigation bar to open the **Records** page.

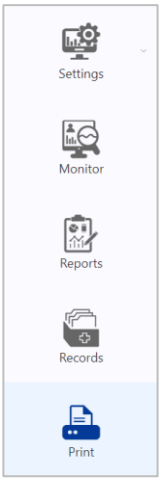
On the **Records** page, you can find the medical records, if any, that your healthcare provider has entered.



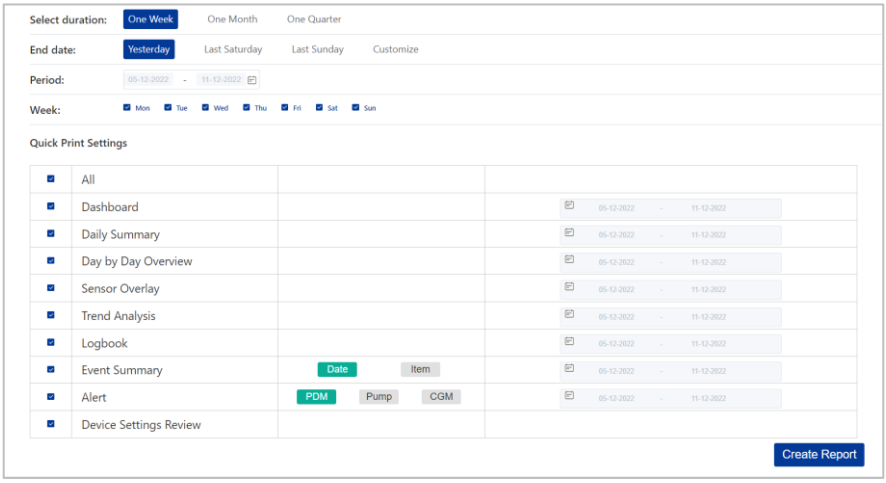
You are not allowed to edit your medical records.



Choose **Print** from the navigation bar to display the **Quick Print** page.

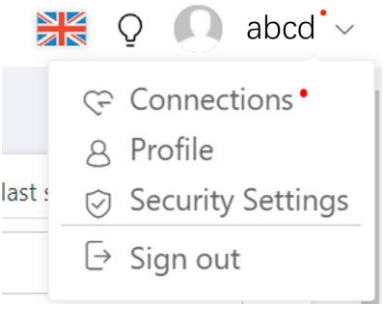


On this page you can quickly print different reports. To do that, choose the duration, and the end date, specify the period, select the reports you want to print, and click **Create Report** to print.



Click the down arrow next to your name to display the drop-down menu.

The red dot indicates you have connection requests.

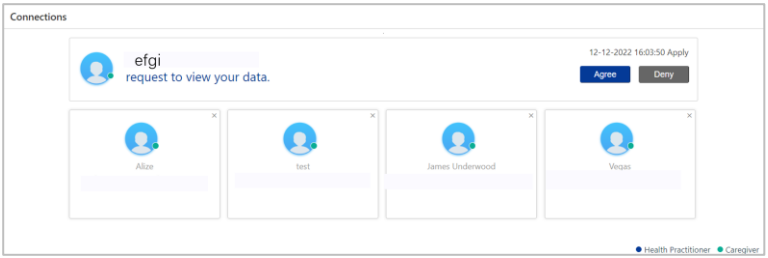


8.1 Connections

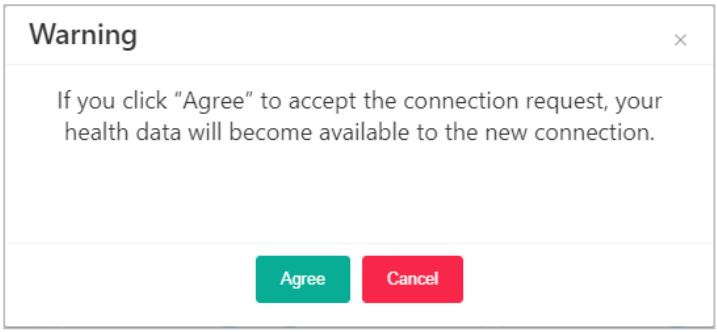
Choose **Connections** from the drop-down menu to display the **Connections** page.

In this page, you will find all the connection requests made by your healthcare providers or family members.

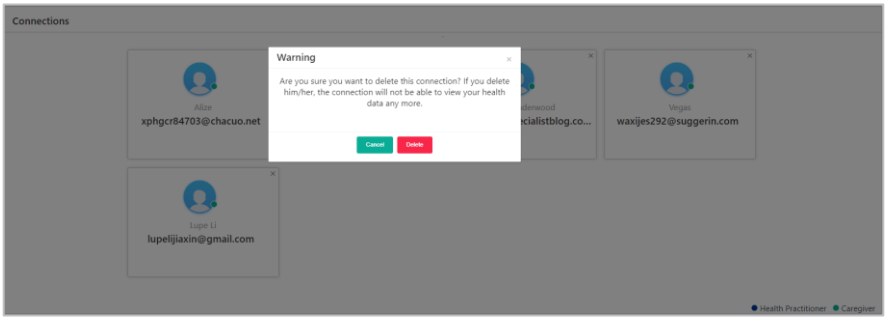
I You can either agree to or deny the request.



If you choose to agree to the request, your device data will be shared with others.



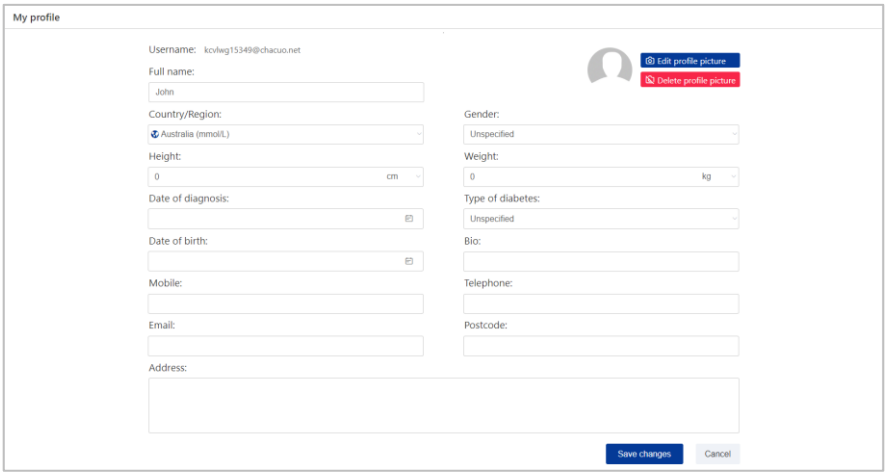
If you want to delete a connection, click the small cross in the upper right corner of the connection card, and choose **Delete** on the displayed screen. After that, the person of the deleted connection card is not allowed to access to your device data.



Note: As a patient, your account cannot send out connection requests.

8.2 Profile

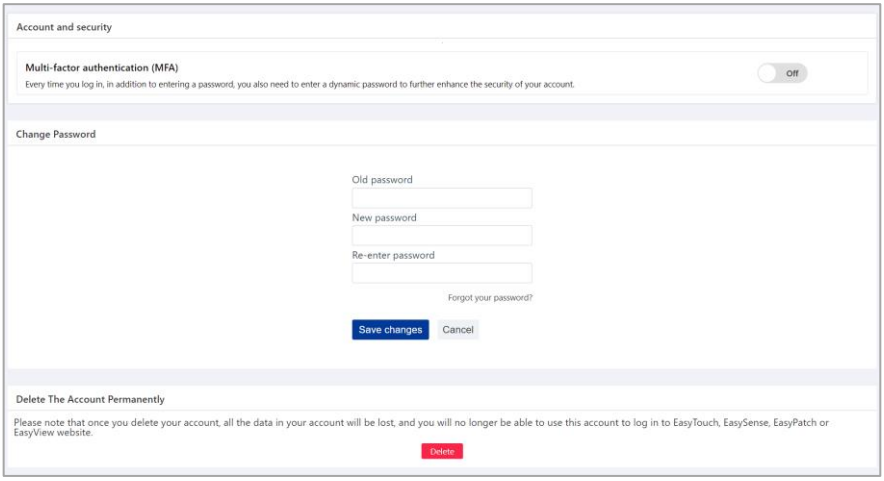
Choose **Profile** from the drop-down menu to display the **Profile** page. You can edit or delete your profile picture on this page.



8.3 Security Settings

Choose **Account and security** from the drop-down menu to configure security settings.

If you toggle **Multi-factor authentication (MFA)** on, a dynamic password will be required at each time when your account is performing the sign-in operation.

You can change your password in the **Change Password** area. Once you have set a new password, click **Save changes** to save the configuration.

If you want to deregister your account, click **Delete** to delete your account permanently. Once you delete your account, you will no longer be able to use this account to sign in to EasyFollow or EasyView Website.