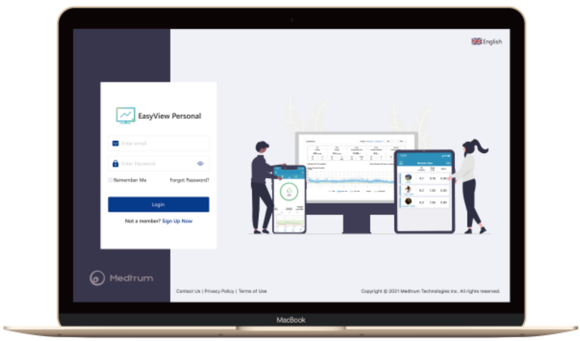
Medtrum EasyView Website

User Guide

For Caregivers



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Content

Medtrum EasyView Website allows you to view patient's insulin pump and CGM data at anytime and anywhere.

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

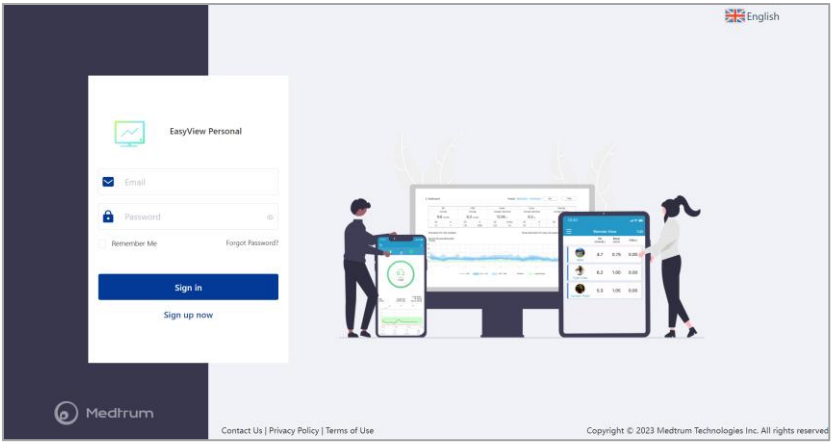
Operating System	Web Browser
Windows 7, Windows 8, Windows 10, or Windows 11	Google Chrome 61.0 or later, Firefox 56.0.2 or later, or Microsoft Edge 41 or later
Mac OS 10.10.5 or later	Safari 8.0.8 or later

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

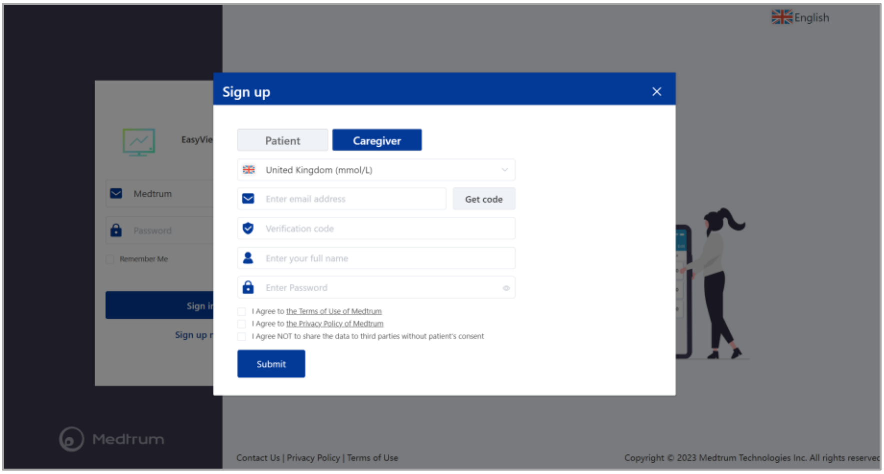
https://easyview.medtrum.eu

2.2 Sign-Up

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



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



Description for Sign-up Parameters

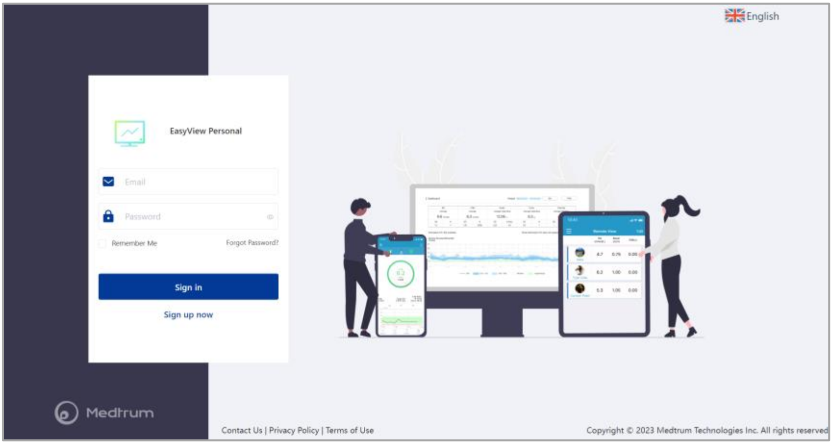
Parameter	**Description**
E-mail address	A valid e-mail address that will be used as your account. If you have an account of Medtrum EasyTouch, EasyPatch, or EasySense app, you can directly use this account to sign in to EasyView Website.
Verification code	A 6-digit verification code sent to your e-mail 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.

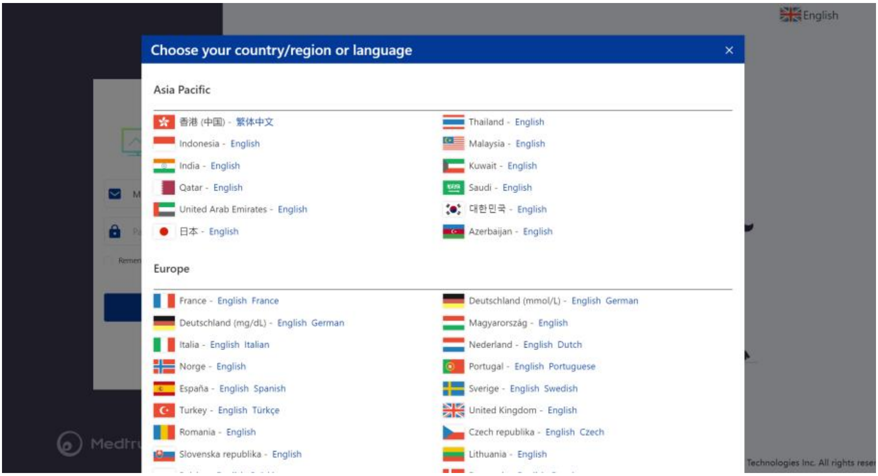
Agree to the terms of use and privacy policy of Medtrum after you have read them, agree to not to share the data to third-parties without patient's consent, and then click **Submit** to register your account.

2.3 Sign-In

If you have registered your account in the previous step or you have an account registered on your Medtrum EasyFollow 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.

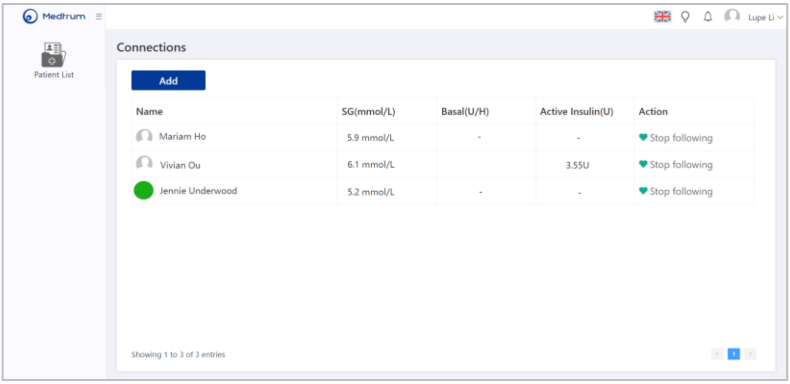


2. Enter your e-mail address used upon registration and password.

3. Click **Sign in**.

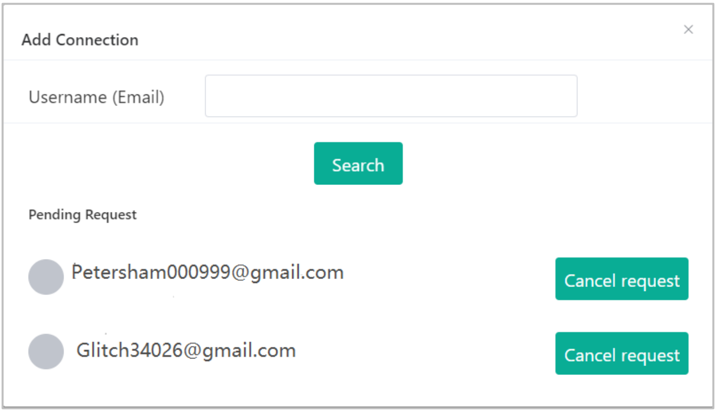
Patient List

If the sign-in is successful, the following page will be displayed, on which you can view the patients you follow.



3.1 Adding a Patient

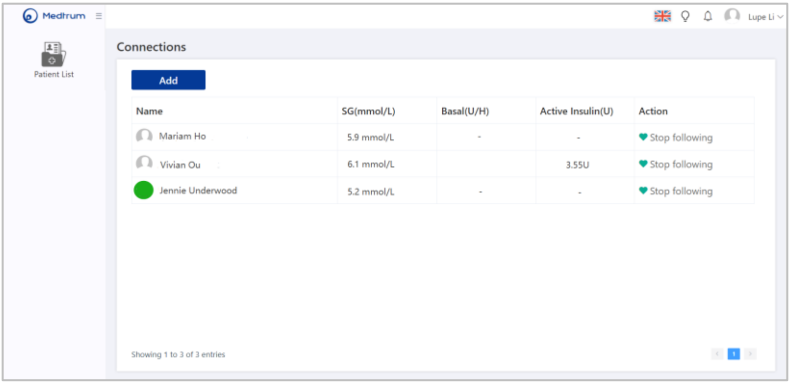
To add a patient, click **Add**. In the displayed dialog box, enter the patient's username (e-mail address) and click **Search**. If the username is correct, the patient's name and e-mail address will be displayed. Click **Send request** to send a connection request. All pending requests will be displayed in this dialog box.



Once the patient signs in to EasyView Website and accepts your connection request, the patient will be displayed in your patient list and you can view the patient's device data.

3.2 Deleting a Patient

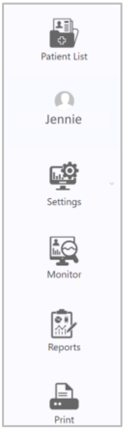
To delete a patient, click **Stop following** in the **Action** column.

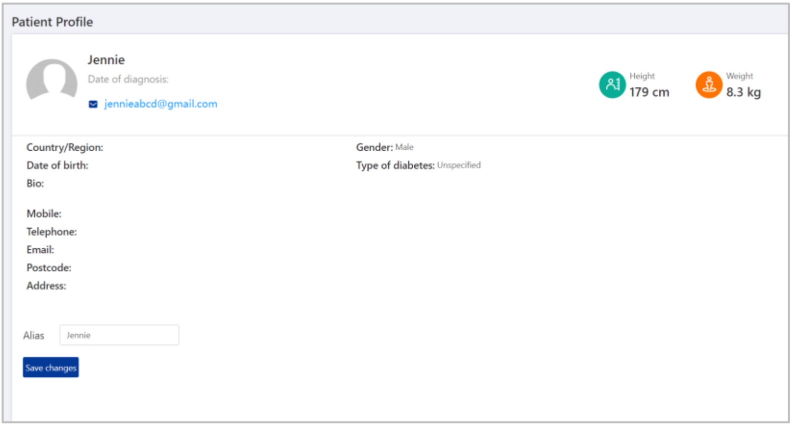


Patient List

Click the patient you want to view in the patient list to display the **Monitor** page of the patient.

Choose the patient profile from the navigation bar to view patient's information.

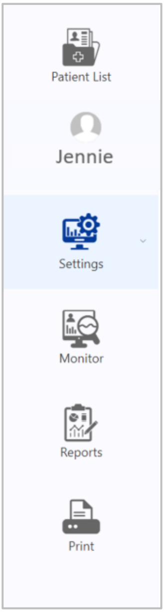




Settings

Click the patient you want to view in the patient list to display the **Monitor** page of the patient.

Choose **Settings** > **Report Settings**.



You can toggle **Show alerts** and **Show Glucose Value** on or off to decide whether to display alerts and glucose values on the report graphs. Set **Glucose Target Range** which will be used in the graphs.

Set **Time Period** of **Breakfast**, **Lunch**, **Dinner** and **Night-time**, which will be used in **Day by Day Overview**.

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

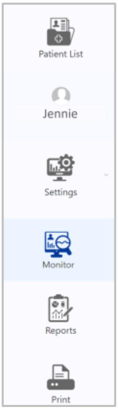
Report Settings (mmol/L)

Show alerts	Off	Show Glucose Value	Off
Very High	13.9	High	10.0
Low	3.9	Very Low	3.0
Hypoglycaemia	3.0		

		Glucose Target Range		Time Period	Post Meal Analysis
		Low	High	hours	hours
Breakfast	Before	3.9	7.2	07:00 - 08:00	01:00 - 03:00
	After	5.6	8.9		
Lunch	Before	3.9	7.2	12:00 - 13:00	01:00 - 03:00
	After	5.6	8.9		
Dinner	Before	3.9	7.2	18:00 - 19:00	01:00 - 03:00
	After	5.6	8.9		
Night-time		5.6	8.9	23:00 - 06:00	

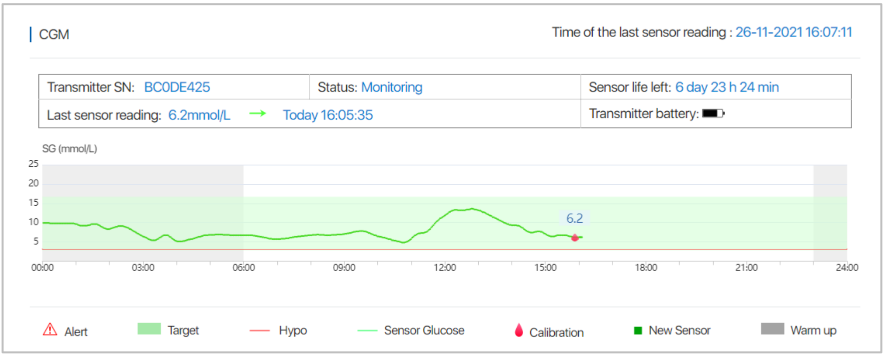
Save changes Restore defaults

Choose **Monitor** from the navigation bar.



If the patient is using a Medtrum product which is connected to a Medtrum app via Bluetooth, and the app has Internet access, then you will be able to see all real-time device information of the patient on the **Monitor** page.

6.1 CGM



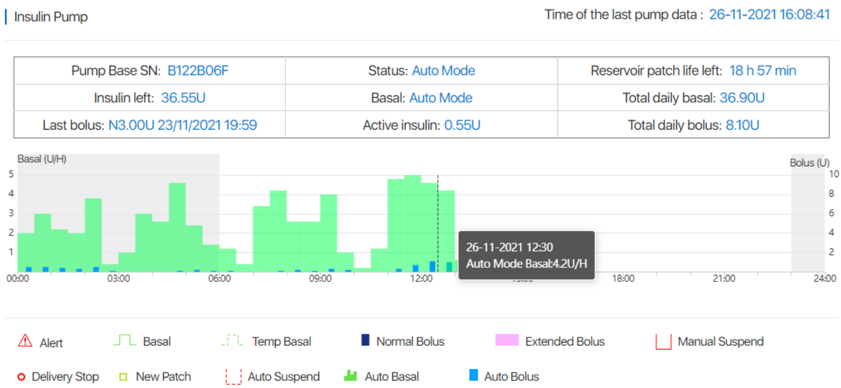
If the patient is using a glucose sensor, you will see the real-time sensor data in the **CGM** area.

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.

6.2 Insulin Pump



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

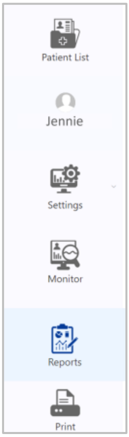
Insulin Pump Data Description

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.

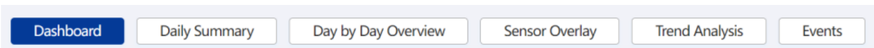
Choose **Reports** from the navigation bar.



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**, and **Events**.

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

7.1 Dashboard

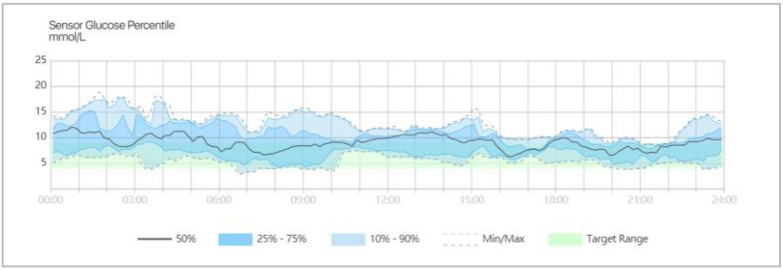


The dashboard report is used for reviewing the statistics of CGM readings and insulin pump delivery. It provides detailed data for analyzing and managing diabetes.

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

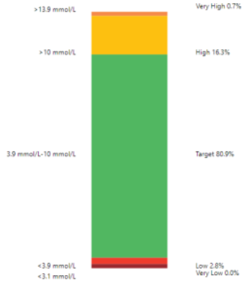
BG		CGM		Insulin		Carbs		Exercise	
Average **9.5** mmol/L		Average **9.6** mmol/L		Average Daily Dose **53.58** U		Average Carbs/Day **5** g		Average time/Day -- min	
SD	#	SD	#	SD	# days	SD	#	SD	#
5.48	18	2.61	4680	8.10	3.0	0.0	1	--	--
Estimated A1C: 7.7% calculated from SG values					Note: Estimated 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.



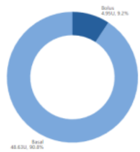
The third part of the report includes detailed glucose and insulin delivery statistics. You can also view the glucose and insulin distribution of the selected days.

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

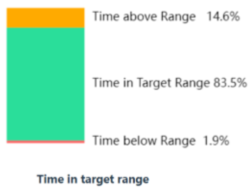
Manual Bolus (Volume/No. per day)	0U/0
-Normal	0U/0
-Extended	0U/0
-Combo	0U/0
Bolus Calculator (Volume/No. per day)	0.07U/0.3
-Food Bolus calc.	0.07U/0.3
-Corr Bolus calc.	0U/0
-Override(+)	0U/0
-Override(-)	0U/0



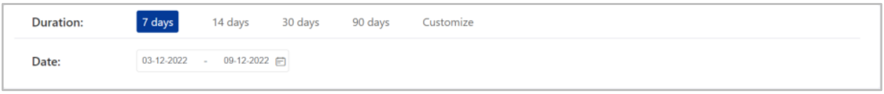
Basal & Bolus

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

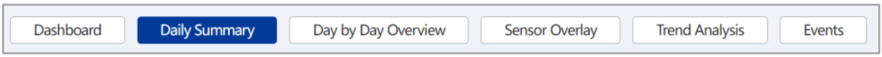


You can choose to view data from the past 7 days, 14 days, 30 days, 90 days, or custom duration.

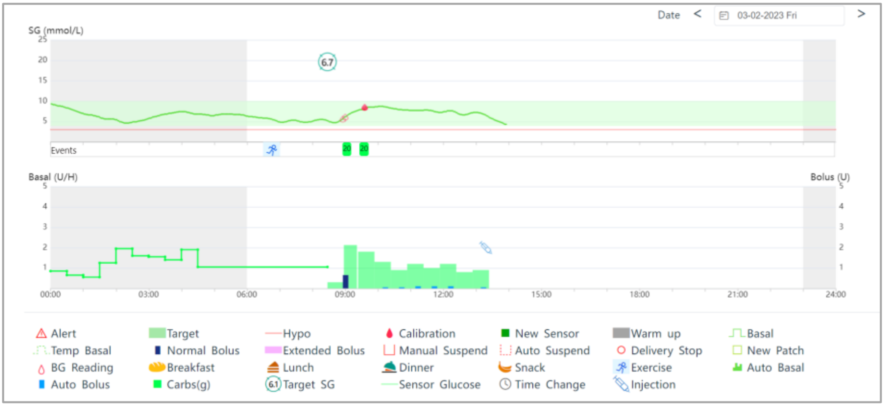


You can print this report by simply clicking **Print**.

7.2 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.

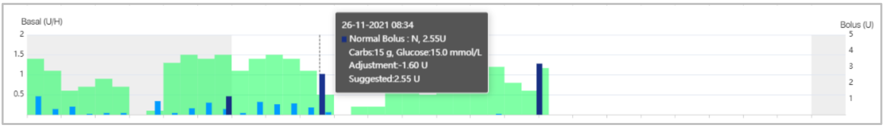


Statistics

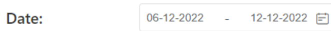
Glucose			Insulin		Events	
	BG	SG				
Avg. (mmol/L)±SD	7.2±1.33	6.6±1.19	Total daily dose (U)	16.95	Carbs (g)	40
Min (mmol/L)	5.6	4.3	Bolus (U)/%	1.10/6%	# of meals	2
Max (mmol/L)	8.5	9.3	Basal (U)/%	15.85/94%	Avg±SD	20.0±0.0
Target (%)	100	100	Food Bolus (U)	0	Total exercise time	30
Low (%)	0	0	Correction 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  and choose the date on the calendar.

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

7.3 Day by Day Overview

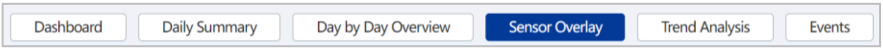
This report presents the meter blood glucose readings, sensor glucose curves, insulin delivery curves, and carbs intake of 7 or 14 days. The default period is 7 days.

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

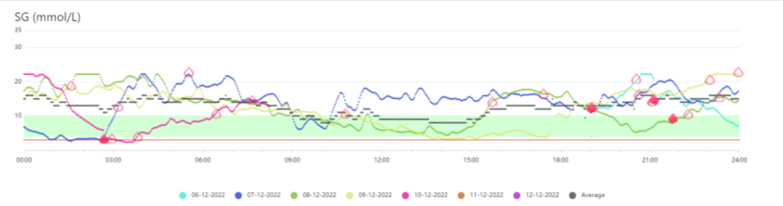
You may select to view data from the past 7 days, 14 days, or custom duration.

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

7.4 Sensor Overlay

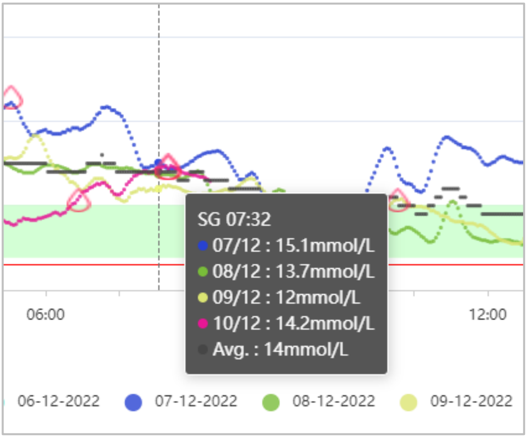


This report displays the sensor data overlay and meter blood glucose readings within a given number of days (7 days at most) before a selected date. All the daily SG curves and meter blood glucose readings are displayed in an overlap graph so that you can easily see the pattern of glucose levels in a 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

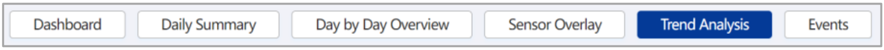
By moving the cursor along the curves, you can see more detailed information.



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**.

7.5 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:

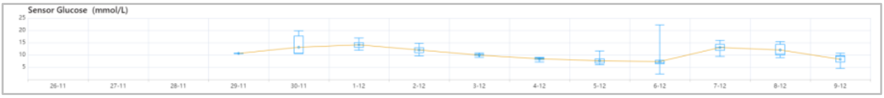
- **Avg. Daily Total**: The average of total insulin delivered per day.
- **Avg. Daily Basal**: The average of daily Basal delivered per day.
- **Avg. Daily Bolus**: The average of daily Bolus delivered per day.
- **Avg. # of bolus/Day**: The average number of times to deliver a bolus per day.
- **Avg.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



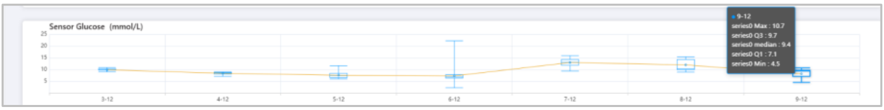
Statistics

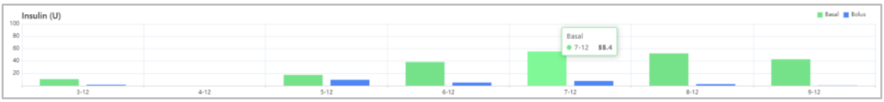
Statistics	Basics										Distribution%			Stability				BG						
	Avg.	Max	Min	Med	Q1	Q3	IQR	SD	CV	SE Mean	High	Low	Target	AUC Above limit	AUC Below limit	# of high	# of low	High%	Low%	Target%	Avg.	SD	# of Hypo	BG readings
3-12	9.9	10.8	9	9.9	9.8	10.3	0.5	0.46	0.05	0.02	100	0	0	4.3	0	720	0	--	--	--	--	--	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

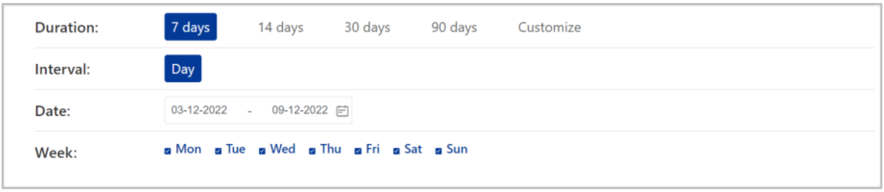
Statistics	Insulin							Carbs		Exercise	
	Avg. Daily Total (U)	Daily Basal		Daily Bolus		Avg. # of bolus/Day	Avg. bolus(U)/Each	Carbs (g)	# of meals	Duration (min)	# of Exercises
3-12	11.85	10.5	88.6%	1.35	11.4%	0	--	0	0	0	0
4-12	0	0	--	0	--	0	--	0	0	0	0
5-12	26.75	17.35	64.9%	9.4	35.1%	5	1.9	92	5	0	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.



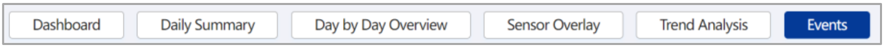


You can choose to view data from the past 7 days, 14 days, 30 days, 90 days or custom duration.



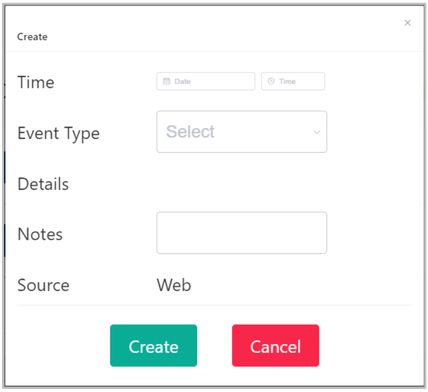
You can print this report by simply clicking **Print**.

7.6 Events

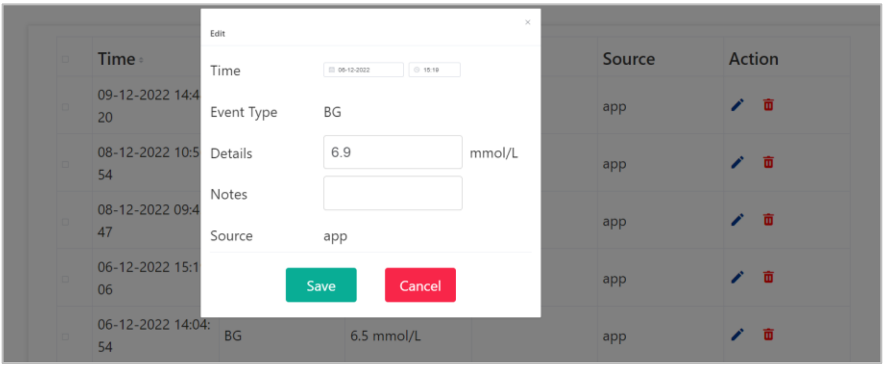


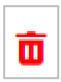
You can view events recorded on your EasyTouch, EasySense, or EasyPatch app and those recorded in your PDM if you have uploaded PDM data to the cloud.

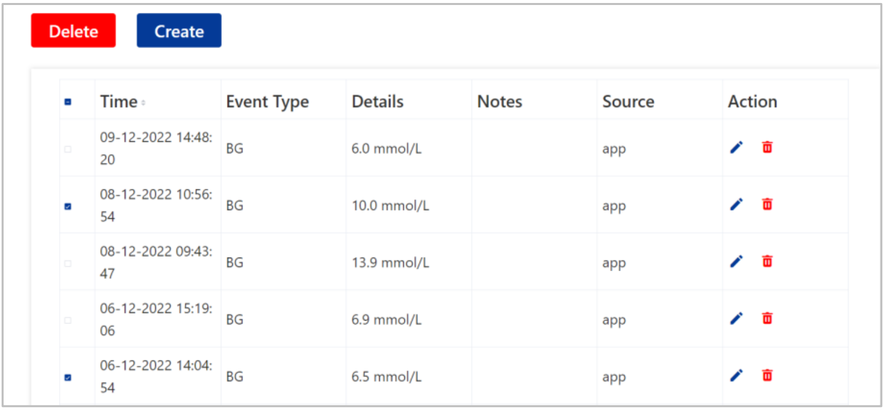
To create a new event from the website, click **Create**, record the event in the displayed dialog box, and then click **Create**.



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



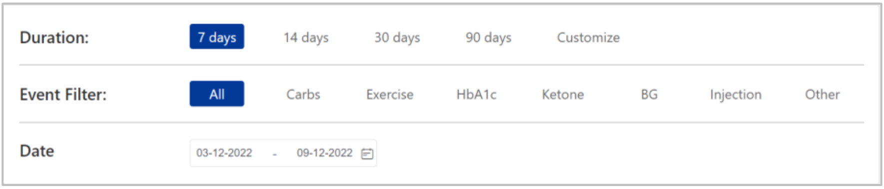
To delete events from the page, select them and then click **Delete** or  in the **Action** column.



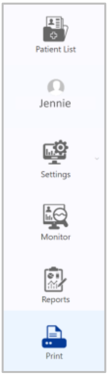
Delete Create

	Time	Event Type	Details	Notes	Source	Action
	09-12-2022 14:48:20	BG	6.0 mmol/L		app	
	08-12-2022 10:56:54	BG	10.0 mmol/L		app	
	08-12-2022 09:43:47	BG	13.9 mmol/L		app	
	06-12-2022 15:19:06	BG	6.9 mmol/L		app	
	06-12-2022 14:04:54	BG	6.5 mmol/L		app	

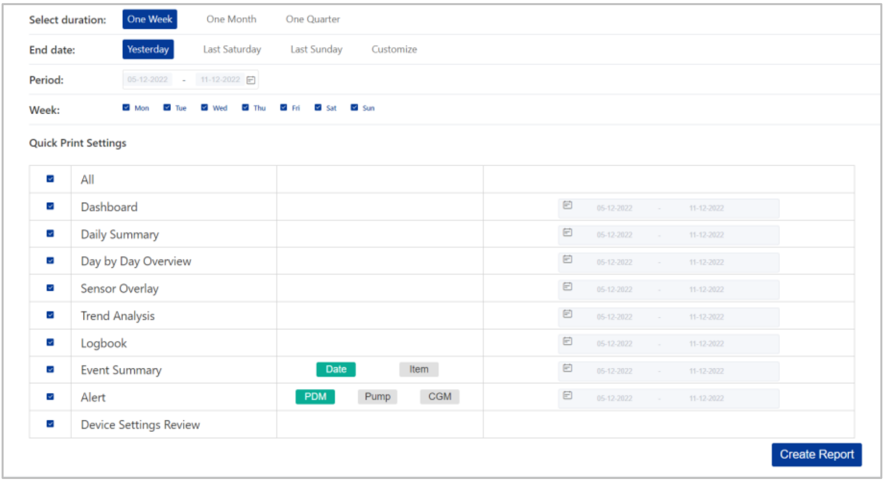
You can choose to view data from the past 7 days, 14 days, 30 days, 90 days or custom duration.



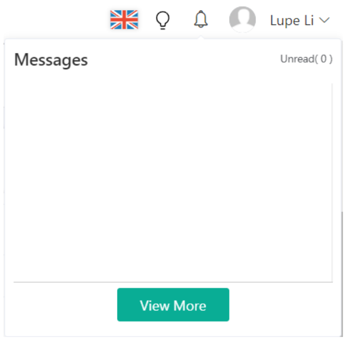
Choose **Print** from the navigation bar to display the **Quick Print** page.



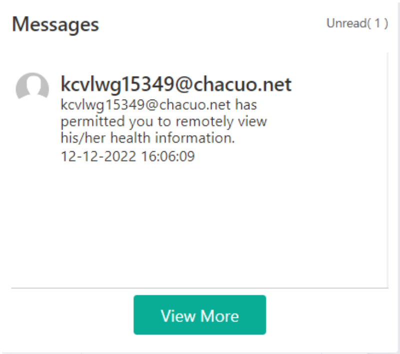
On this screen you can quickly print different reports: select the duration, the start date, the end date, and the days you want to see, tick the reports you want to print, and click **Create Report** to print all of them.



Click in the upper right corner to display the message drop-down menu.

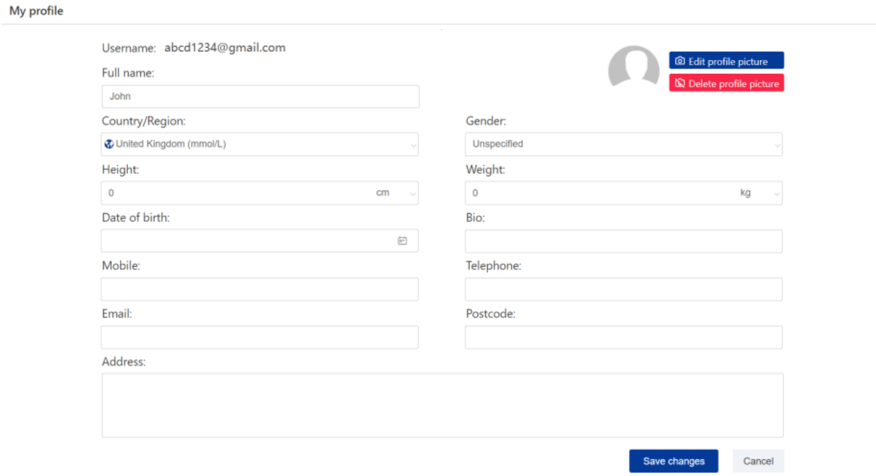


If the patient accepts your request, a message will be displayed, as it is shown in the following figure.



9.2 Profile

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



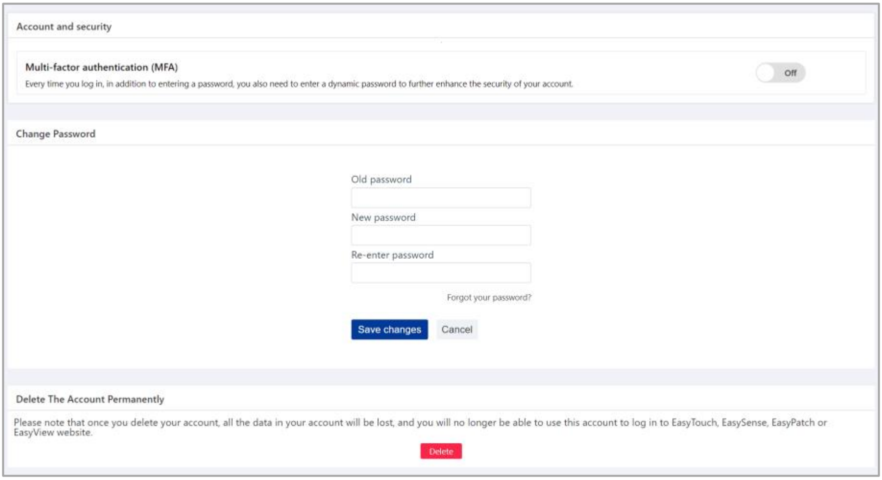
9.3 Security Settings

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

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 monitor patients' data or sign in to EasyFollow or EasyView Website.


Account and security
Multi-factor authentication (MFA)
Every time you log in, in addition to entering a password, you also need to enter a dynamic password to further enhance the security of your account.
Off
Change Password
Old password
New password
Re-enter password
Forgot your password?
Save changes
Cancel
Delete The Account Permanently
Please note that once you delete your account, all the data in your account will be lost, and you will no longer be able to use this account to log in to EasyTouch, EasySense, EasyPatch or EasyView website.
Delete