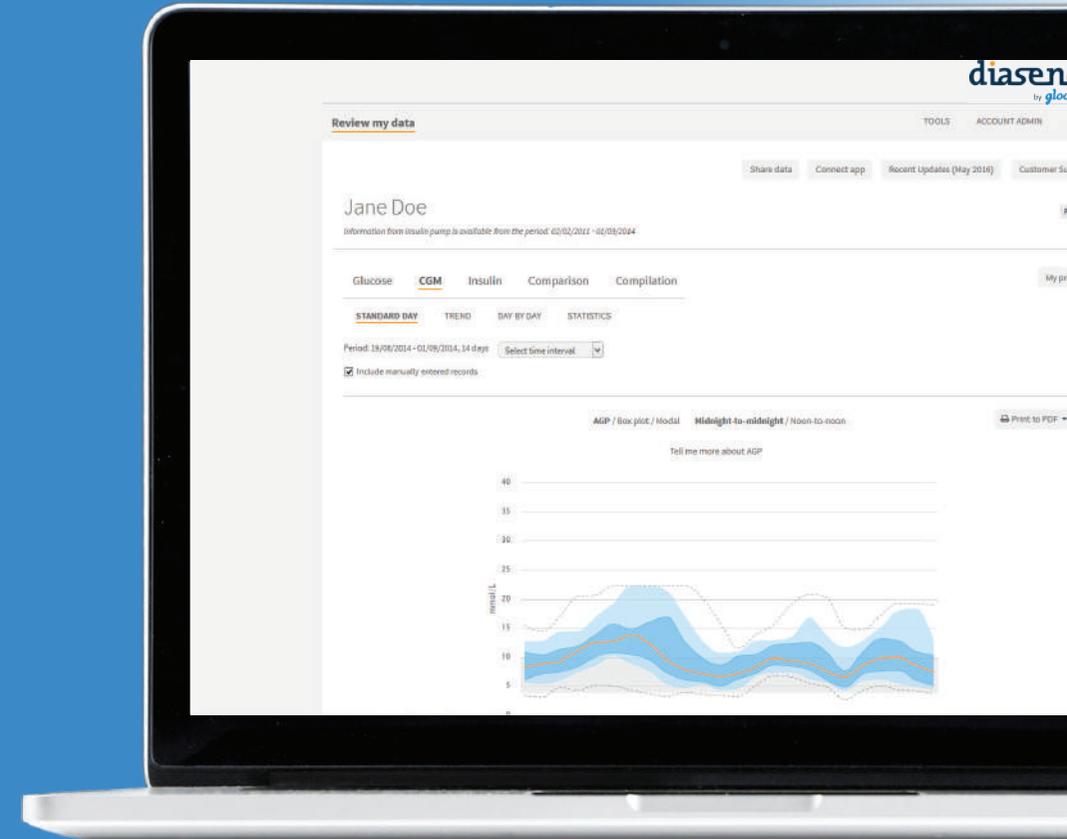# The diasend® solution
# Interpreting the charts & graphs

*diasend® is a universal cloud-based diabetes data management system, that enables you to upload data from meters, pumps and CGMs.*

**diasend** by *glooko*

# About the diasend® solution

## diasend® solution

With the diasend® solution, data will be consolidated and viewable at www.diasend.com - without requiring any software installation. The data is presented in a clear and structured way on a secure website through graphs, tables and statistics.
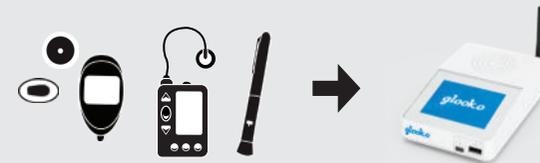
## We protect your privacy

In diasend® all your private data is protected from any unauthorised access or use. All data is stored on a secure, industry standard server within the EEA region. diasend® is fully compliant with GDPR and with national privacy regulations where available. The control of sensitive data is yours and our job is to keep your data safe.
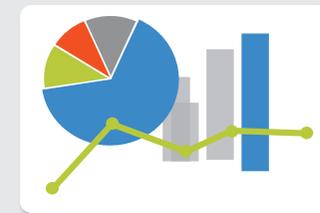
## For Clinic

1. Plug Glooko Transmitter into your power outlet
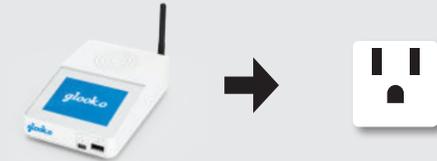
2. Connect the device to Glooko Transmitter

3. Log in at diasend.com

# Contents

## Glucose

## CGM

## Insulin

## Comparison

## Compilation

## PDF Wizard

At diasend.com data is displayed in graphs, tables and statistics. The following pages will display some of these reports and graphs you can view in diasend˚. Please note that this is a general overview of the available reports in diasend˚. All features and type of devices are not available in all countries and may therefore affect what you can view at diasend.com.

Please visit www.diasend.com for current updates regarding features  and compatible devices in your specific country.

*You can find a selection of our reports in this reference guide.*

*In addition to these you can find the following reports in our system:*

- *Glucose Logbook/table*
- *Glucose Day by day*
- *Glucose Meter alarms*
- *CGM Trend*
- *CGM Day by day*
- *Insulin Trend*
- *Insulin Day by day*
- *Insulin Pump alarms*

# Better control means better healthcare

ACTIVITY TRACKERS

MOBILE APPS

METER

PUMP

CGM

PC & Mac compatible

Home Sweet Home

diasend.com

EMR

111111
000000000
11111111111
000000000
111111
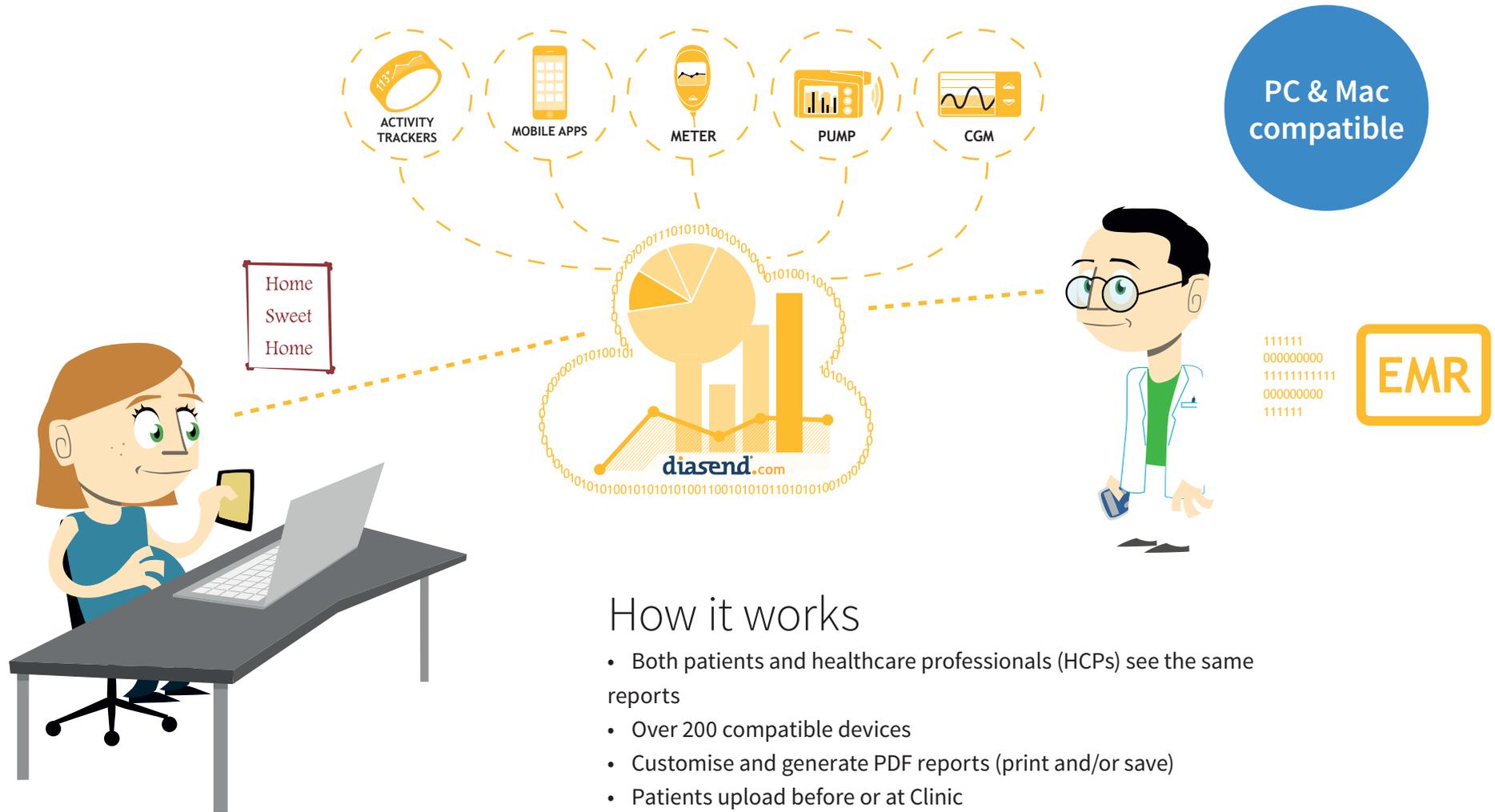
## How it works

- Both patients and healthcare professionals (HCPs) see the same reports
- Over 200 compatible devices
- Customise and generate PDF reports (print and/or save)
- Patients upload before or at Clinic
- Combine data from several devices into one patient profile

# Patients can share data with healthcare professionals (HCPs)

**diasend® easily available for all patients**

*Patients can register for free, upload from home and share their data with their healthcare professionals at www.diasend.com/register*

*In addition to device data, patients can share data from activity trackers.*



*Patients can easily connect their favorite activity tracker to their diasend® account.*

| Physical activity targets | |
| --- | --- |
| Set your target values | |
| Steps per day | Calories (kcal) to burn per day |
| 10000 | 2500 |

| Activity | |
| --- | --- |
| Avg steps / day | Avg kcal / day |
| **4047** | **950** |
| steps | kcal |
| 40% of 10000 (target) | 38% of 2500 (target) |

# Report information

*diasend® gives you increased accessibility to glucose readings, insulin doses and CGM data. This gives the user the ability to become more involved in their diabetes management and care. diasend® is easily customised, giving the individual patient and HCP only the data they are looking for. Our customisation ultimately allows for a more effective conversation between the patient and the HCP.*

**Compilation Report**
Allows the user to get an overall picture of the data uploaded for that time period.

**Glucose Standard Day Report**
Can be used to identify patients who are not testing regularly and/or look at different time periods to identify problems.

**CGM Reports**
Clearly display data to help assist the HCP in identifying problem areas and/or times for each patient. You can use the CGM Standard Day report to identify the range of CGM readings by the time of day or look at the CGM statistics to check standard deviation and averages by the hour.

**Day by Day Report**
Easily compare different hours of the day, or weekdays against weekends. This may help the patients identify activities or events that have influenced their values.

**Insulin Bolus Dose Report**
Check for patterns of how the patient is bolusing. This will help identify when the patient is doing well and where they need to improve.

**Bolus Adherence Report**
Easily see what the pump has calculated for the patient's bolus against what the patient actually delivered.

**Insulin Pump Settings Report**
View historical data to easily compare and contrast pump settings from different time periods.

**The Comparison Logbook/table Report**
Gives the HCP insight into glucose measurement, carb intake and cannula fills, as well as boluses, priming, and suspend events, which assists in evaluating events by time and day (and may aid in identifying patterns). This report view also displays ketones if this is saved in the meter.

**Settings Tab**
Easily change the default blood glucose (BG) target range for the clinic and also individual patients as well as setting up customised PDF reports.

# Glucose standard day

**Glucose**

**STANDARD DAY**

| Glucose | CGM | Insulin | Comparison | Compilation | | My profile |
|---|---|---|---|---|---|---|

| LOGBOOK/TABLE | STANDARD DAY | TREND | DAY BY DAY | METER ALARMS | METER SETTINGS | A1C |
|---|---|---|---|---|---|---|

Period: 08/10/2014 - 08/23/2014, 14 days    Select time interval ▾

☑ Include manually entered records

**①** **②** **③**

Midnight-to-midnight / Noon-to-noon    Show / hide lines    Show / hide mean value    🖶 Print to PDF ▾

mmol/L
25 / 20 / 15 / 10 / 5

00:00  02:00  04:00  06:00  08:00  10:00  12:00  14:00  16:00  18:00  20:00  22:00  24:00

■ Glucose    ■ Interval mean value

**④**

| Number of values: 90 | Values above goal (10 mmol/L): 47 | Highest value (mmol/L): 20.8 | (08/19/2014 03:50) |
|---|---|---|---|
| Values per day: 6.4 | Values within goal (3.9-10 mmol/L): 37 | Lowest value (mmol/L): 2.2 | (08/19/2014 07:58) |
| Period average (mmol/L): 10.3 | Values below goal (3.9 mmol/L): 6 | Standard deviation: 4.4 | |

Comments ( Show )

---

*An overview of glucose readings plotted by time during a standard 24 hour day.*

*Can be used to identify patients who are not testing regularly and/or look at different time periods to identify problems.*
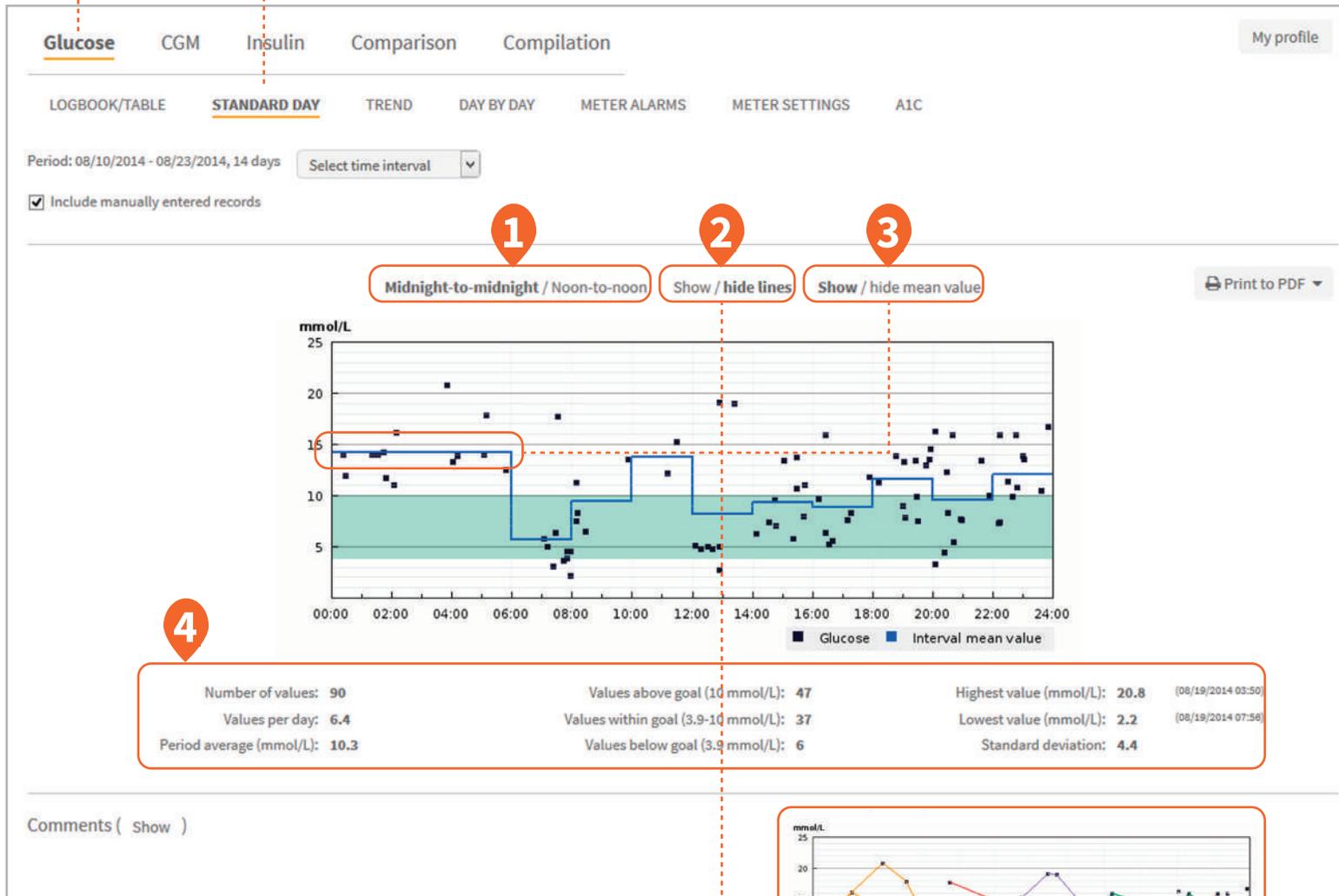
**①** You can select a midnight-to-midnight or noon-to-noon view over the selected date range.

**②** You can choose to show lines to connect the values relating to each day of the week in different colors.

**③** View the mean value by clicking on this link.

**④** Statistics can be found at the bottom of each report.

# Glucose trend

*This displays a trend overview of glucose readings by date.*

**①** This view also offers the possibility to look at values during specific time periods such as before or after meals.

**②** Click here to Show lines.

**Glucose**

**TREND**

| Glucose | CGM | Insulin | Comparison | Compilation | | My profile |
|---------|-----|---------|------------|-------------|--|-----------|

LOGBOOK/TABLE    STANDARD DAY    **TREND**    DAY BY DAY    METER ALARMS    METER SETTINGS    A1C

Period: 08/10/2014 - 08/23/2014, 14 days    Select time interval ▾

☑ Include manually entered records

**①**      **②**

| All values ▾ | 00:00-06:00 ▾ | Show selected periods | Show lines |

All values
No values
00:00-06:00
06:00-08:00
08:00-10:00
10:00-12:00
12:00-14:00
14:00-16:00
16:00-18:00
18:00-20:00
20:00-22:00
22:00-00:00

🖶 Print to PDF ▾

mmol/L

20

15

10

5

8/10   8/11   8/15   8/16   8/17   8/18   8/19   8/20   8/21   8/22   8/23   8/24

Number of values: 90     Values above g
Values per day: 6.4     Values within goal
Period average (mmol/L): 10.3     Values below g

mmol/L

20

15

10

5

8/10   8/11   8/12   8/13   8/14   8/15   8/16   8/17   8/18   8/19   8/20   8/21   8/22   8/23   8/24

# Glucose meter settings

**Glucose**

**METER SETTINGS**



*This shows the settings for meters that have advanced settings activated.*

*Meter settings data is displayed in different formats depending on the device that is uploaded.*

● Examples of meter settings are shown on the left.

The figure shows a software screenshot with tabs: Glucose, CGM, Insulin, Comparison, Compilation, and My profile. Sub-tabs: LOGBOOK/TABLE, STANDARD DAY, TREND, DAY BY DAY, METER ALARMS, METER SETTINGS, A1C. Print to PDF.

**Meter settings for serial number:**

**① General**

| Setting | Value |
|---|---|
| Food unit | Grams of carbs |
| Dose Increments | 1 U |
| Correction Target Type | Range |
| Insulin Log Feature | Off |
| Insulin Calculator | Advanced |
| Notes Feature | Off |

**Correction target (Range)**

| Setting | Value |
|---|---|
| All day | 5 mmol/L - 8 mmol/L |

**Correction factor**

| Setting | Value |
|---|---|
| All day | 2.7 mmol/L |

**I:C (g option)**

| Setting | Value |
|---|---|
| Morning | 10 g |
| Midday | 12 g |
| Evening | 14 g |

**② General**

| Setting | Value |
|---|---|
| Meal excursion | 4.2 mmol/L |
| Snack limit | 20 g |
| Active timeout | 02:45:00 |
| Offset timeout | 01:30:00 |

**Health events**

| Setting | Value |
|---|---|
| Exercise 1 | -25 % |
| Exercise 2 | -42 % |
| Stress | 22 % |
| Illness | 33 % |
| Premenstrual | 16 % |

**Timeblock**

| Setting | 00:00-06:30 | 06:30-12:30 | 12:30-18:30 | 18:30-22:30 | 22:30-00:00 |
|---|---|---|---|---|---|
| Target interval min | 3.8 mmol/L | 4 mmol/L | 4.4 mmol/L | 3.5 mmol/L | 4.4 mmol/L |
| Target interval max | 6.6 mmol/L | 8.1 mmol/L | 8.2 mmol/L | 8.5 mmol/L | 6.7 mmol/L |
| Carb ratio, insulin | 1.9 U | 2.6 U | 2.1 U | 2.5 U | 2 U |
| Carb ratio, carbs | 11 g | 13 g | 14 g | 15 g | 12 g |
| Insulin sensitivity, insulin | 0.9 U | 0.7 U | 3.1 U | 1.8 U | 50 U |
| Insulin sensitivity, carbs | 2.9 mmol/L | 0.4 mmol/L | 54.3 mmol/L | 3.3 mmol/L | 36 mmol/L |

# Before and after meal settings

*You can choose if you want to display time intervals, or you can set it to show before and after meal times. You will see this in the Compilation (page 21) and Glucose trend (page 8) reports.*

**1** Click on the patient profile tab.

**2** Expand the registration form to set the meal times for the patient.

**3** Click on permanent intervals.

**4** Set the meal times.

**5** Click to save the information.

# CGM standard day

**STANDARD DAY**
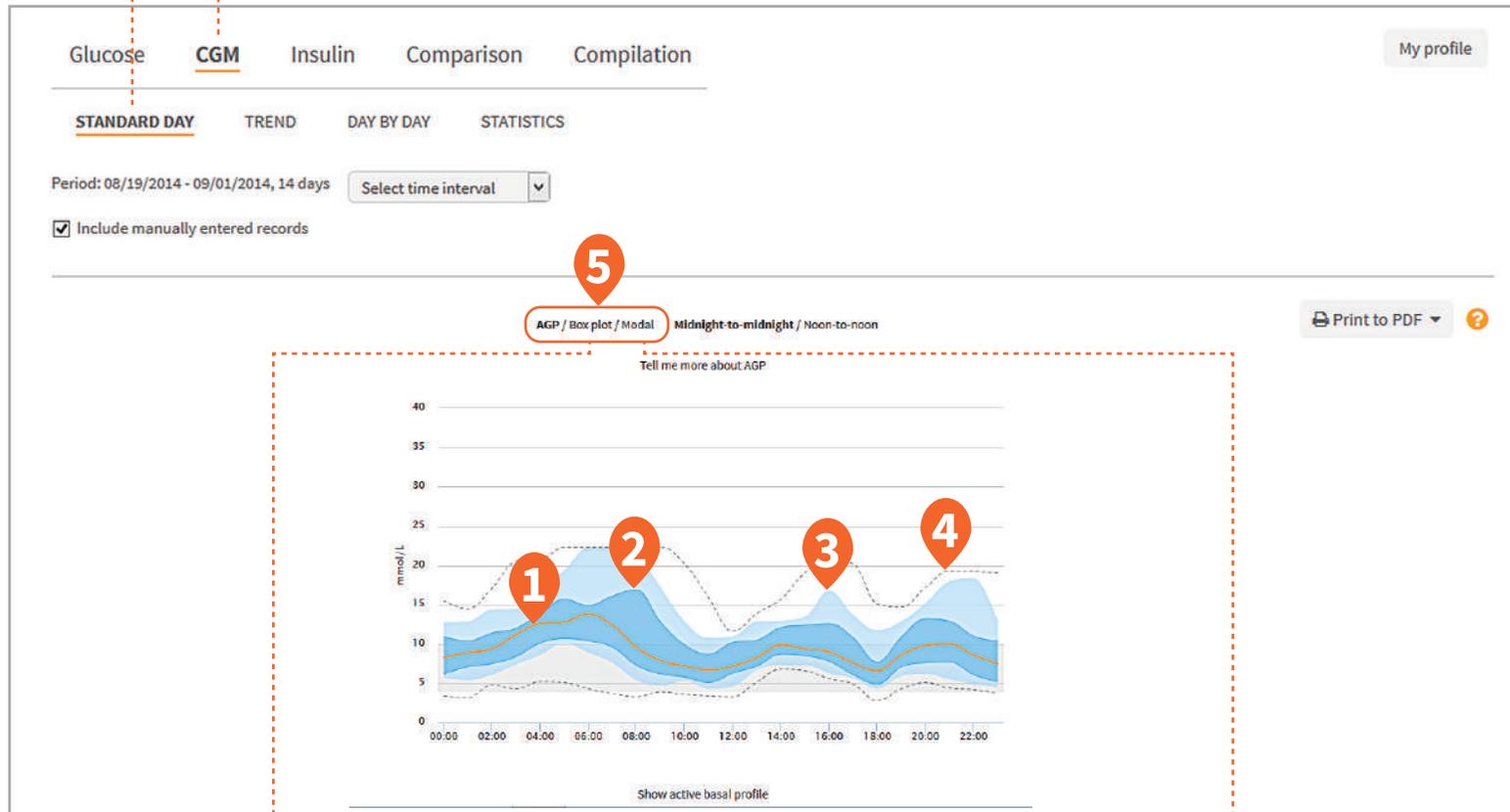


*This mode shows the distribution of values per hour of the day, spanning over multiple days.*

**1** The median line represents the middle of the value series within each hour.

**2** The darker blue area represents the Interquartile range ("IQR"), meaning the middle 50% of the values are within this range.

**3** The lighter blue area represents the 10th and 90th percentile, meaning that middle 80% of the values are within this range

**4** The maximum and minimum values are also visualised.

**5** You can click on this link to choose to see the values as an AGP, Box plot or modal graph.

**Box plot**

**Modal**

11
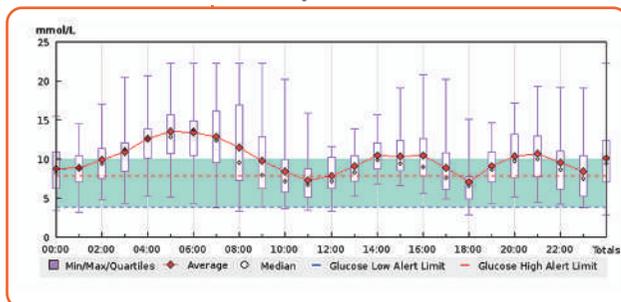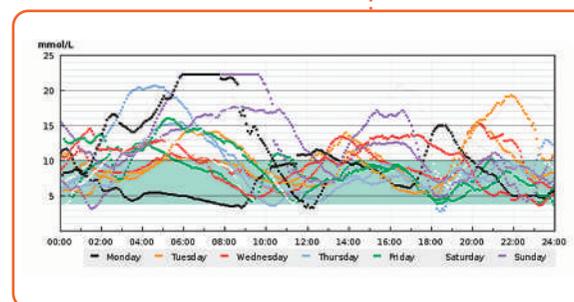
# CGM statistics

*This table includes detailed CGM statistics over the time period selected by hour of the day, check SD (standard deviation) and averages by the hour.*

**1** Statistics from a particular hour of the day.

| Glucose | **CGM** | Insulin | Comparison | Compilation | | | | | | | My profile |

| STANDARD DAY | TREND | DAY BY DAY | **STATISTICS** |

Period: 08/19/2014 - 09/01/2014, 14 days    Select time interval

☑ Include manually entered records

**1**

⊟ Print to PDF ▼

|  | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # of CGM Readings | 159 | 167 | 168 | 168 | 168 | 168 | 168 | 168 | 168 | 162 | 156 | 152 |
| Median CGM Value (mmol/L) | 8.3 | 8.9 | 9.4 | 11.2 | 12.6 | 12.8 | 13.8 | 12.4 | 9.6 | 7.9 | 7.2 | 6.7 |
| Avg CGM Value (mmol/L) | 8.7 | 8.9 | 9.9 | 10.9 | 12.6 | 13.5 | 13.4 | 12.8 | 11.5 | 9.8 | 8.4 | 7.3 |
| Min (mmol/L) | 3.4 | 3.2 | 4.8 | 4.3 | 5.2 | 5.1 | 4.3 | 3.7 | 3.3 | 3.9 | 3.6 | 3.4 |
| 25% Quartile | 6.2 | 7.1 | 7.5 | 8.4 | 10.1 | 10.7 | 10.4 | 9.6 | 7.3 | 6.2 | 5.8 | 5.1 |
| 75% Quartile | 10.9 | 10.4 | 11.4 | 12 | 13.9 | 15.7 | 14.9 | 16.1 | 16.9 | 12.8 | 9.9 | 8.7 |
| Max (mmol/L) | 15.5 | 14.5 | 17.1 | 20.5 | 20.7 | 22.3 | 22.3 | 22.3 | 22.3 | 22.3 | 20.2 | 15.9 |
| SD (mmol/L) | 2.8 | 2.6 | 2.9 | 3.4 | 3.5 | 4.1 | 4.7 | 5 | 5.5 | 5.1 | 3.7 | 2.7 |

|  | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | Totals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # of CGM Readings | 137 | 129 | 132 | 132 | 143 | 139 | 145 | 156 | 155 | 143 | 132 | 143 | 3658 |
| Median CGM Value (mmol/L) | 7.2 | 8.3 | 9.9 | 9.4 | 9 | 7.6 | 6.6 | 8.6 | 9.8 | 10 | 8.6 | 7.5 | 9.4 |
| Avg CGM Value (mmol/L) | 7.8 | 9.1 | 10.4 | 10.3 | 10.4 | 8.9 | 7.1 | 9.1 | 10.3 | 10.7 | 9.6 | 8.4 | 10.1 |
| Min (mmol/L) | 3.3 | 5.2 | 6.8 | 6.6 | 5.6 | 4.9 | 2.8 | 4.3 | 5.1 | 4.4 | 4.2 | 3.7 | 2.8 |
| 25% Quartile | 6.3 | 7.2 | 8.7 | 8.5 | 7.8 | 6.1 | 4.9 | 7.1 | 7.6 | 7.7 | 6.1 | 5.2 | 7.1 |
| 75% Quartile | 10.2 | 10.5 | 12.1 | 12.4 | 12.6 | 10.8 | 7.7 | 10.9 | 13.2 | 12.9 | 11 | 10.4 | 12.4 |
| Max (mmol/L) | 11.6 | 13.9 | 15.7 | 19.1 | 20.8 | 20.2 | 15.1 | 14.7 | 17.2 | 19.3 | 19.2 | 19.1 | 22.3 |

12

# Insulin week

*Daily and weekly basal and bolus distribution.*

**❶** Daily basal-bolus numbers can be viewed in the bar graph.

**❷** You can view the insulin distribution for the week in the pie chart.

13

# Insulin bolus doses

**Insulin**
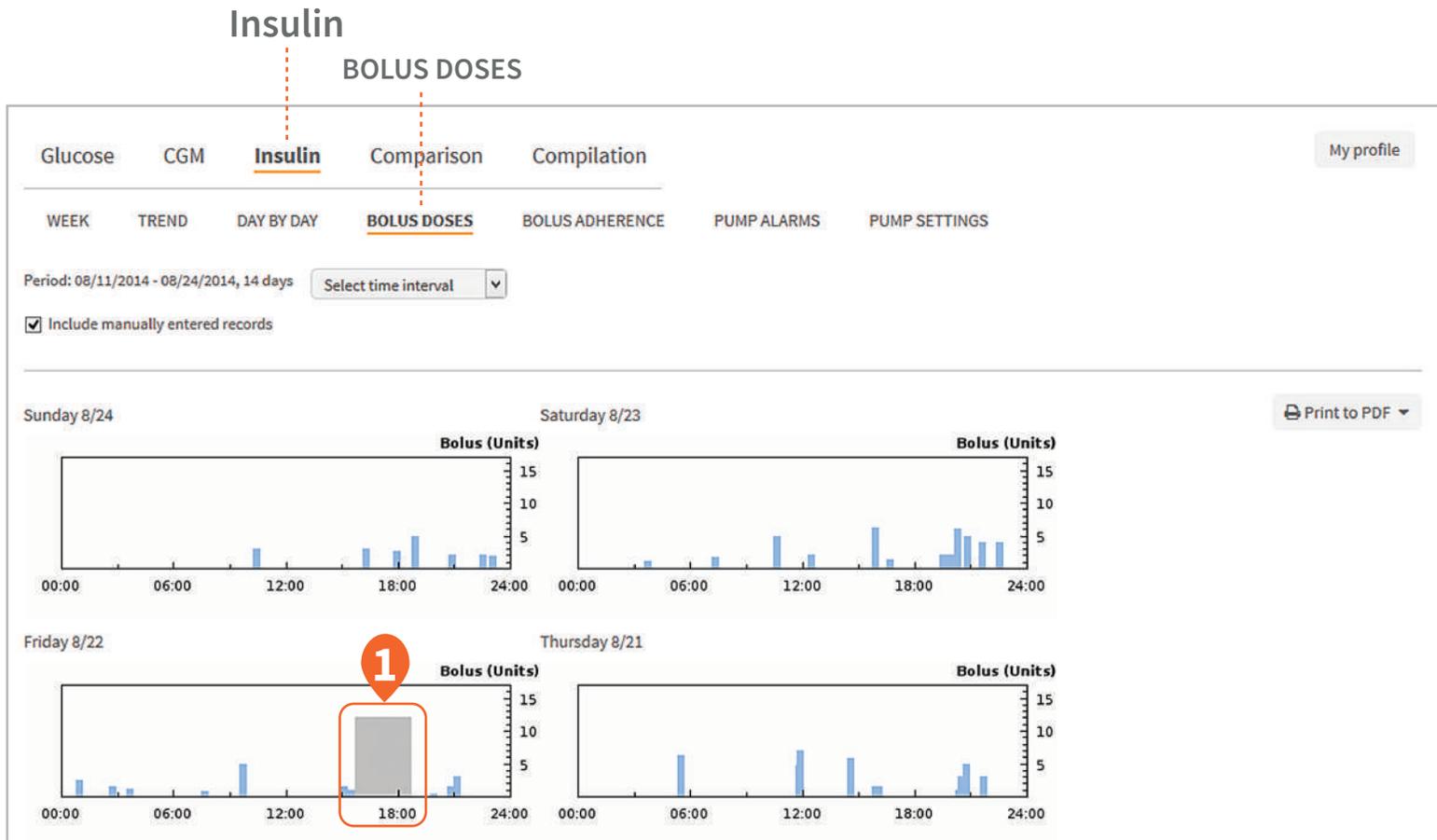
**BOLUS DOSES**



*Bolus doses displayed in graph format to easily view daily bolus activity by time of day.*

*This graph gives you a general overview of the bolus doses over a period of time. Check for patterns of how the patient is bolusing. This will help identify when the patient is doing well and where they need to improve.*

*For example you can see gaps of missed boluses.*

**1** A combo bolus may be used for high fat/carb meals providing a percentage of the dose immediately and then a slow infusion of insulin spread out over a set amount of time.

# Insulin pump settings

*This provides the information of the current and historical settings in the pump to easily review, compare and adjust as necessary.*

**1** Select and view the pump settings from every upload.

**2** Print a comparison of the latest available pump settings (see page 17).

**3** Select one of these options to print the displayed pump setting in an expanded version, or in a minimised version where all pump settings are compressed onto 1 page (see page 22 for an example).

**4** View the Bolus, Basal, General and CGM settings. In this report you can also view I:C ratio, ISF and glucose target ranges.

**Insulin**

**PUMP SETTINGS**

Glucose    CGM    **Insulin**    Comparison    Compilation

My profile

WEEK    TREND    DAY BY DAY    BOLUS DOSES    BOLUS ADHERENCE    PUMP ALARMS    **PUMP SETTINGS**

Period: 08/19/2014 - 09/01/2014, 14 days    Select time interval ▾

Insulin pump settings for serial number:

Select pump settings from upload date:    09/01/2014 08:01 (US/Eastern) ▾

🖶 Print comparison of pump settings to PDF ▾    🖶 Print to PDF on 1 page ▾    🖶 Print to PDF ▾

## Bolus

| Setting | Value |
|---|---|
| Audio Bolus Enable | Disabled |
| Audio Bolus Stepsize per program keypress | 0.5 U |
| Advanced Bolus Options enable | Enabled |
| Bolus Reminder Options enable | Enabled |
| Bolus Delivery Speed | Normal |
| ...olus | 20 U |

## Basal

| Setting | Value |
|---|---|
| Max Basal | 2 U/h |
| Max Total Daily Dose | 80 U |
| Active basal program | 1 |

## General

| Setting | Value |
|---|---|
| Language Selection Index | English |
| Last Keypress to display timeout | 30 s |
| Auto-Off Enable | Enabled |
| Auto-Off Timeout | 16 h |
| Max 2-Hr limit | 30 U |
| Occlusion Sensitivity Level | High |
| Insulin-On-Board | Enabled |
| Insulin-On-Board Duration | 4 h |
| Sick days, BG over limit | 17 mmol/L |
| Sick days, check ketones | 2 h |
| Sick days, check BG | 2 h |
| Low Cartridge Warning Level | 40 U |

## CGM Settings

| Setting | Value |
|---|---|
| Transmitter Sound Level | Vibration |
| Other Sound Level | Vibration |
| Glucose High Alert Limit | 7.8 mmol/L |
| Glucose Low Alert Limit | 3.9 mmol/L |
| Glucose Rise Alert Limit | 0.1 mmol/L |
| Glucose Fall Alert Limit | 0.1 mmol/L |
| Glucose Low Alert Snooze Time | 60 min |
| Glucose High Alert Snooze Time | 30 min |
| Transmitter Out of Range Alert Snooze Time | 60 min |
| Glucose Low Enable | Enabled |
| Glucose High Enable | Enabled |
| Glucose Rise Enable | Enabled |

**(PRINTED COMPARISON OF PUMP SETTINGS)**

*This report shows the pump settings from the latest uploads. You can easily compare changes between uploads.*

**❶** The date of each upload.

**❷** For ease of reference all changes, compared to the latest uploads to diasend®, are highlighted in the report.

---

**diasend®** by *glooko*

| Patient: | Jane Doe | Date interval: | 08/19/2014 - 09/01/2014 |
|---|---|---|---|
| Patient ID: | | Number of days: | 14 |
| Glucose meters: | | Insulin pump: | |

### Insulin: Pump settings comparison

Insulin pump settings for serial number: XX-XXXX-XX (Animas Vibe). The report compares the settings from the latest eight uploads. Changes are marked.

| *Upload date:* | *01/09/2014* | *03/05/2014* | *08/04/2014* | *08/06/2014* | *08/08/2014* | *08/18/2014* | *08/19/2014* | *09/01/2014* |
|---|---|---|---|---|---|---|---|---|
| **General** | | | | | | | | |
| Language Selection Index | English | English | English | English | English | English | English | English |
| Last Keypress to display timeout | 30 s | 30 s | 30 s | 30 s | 30 s | 30 s | 30 s | 30 s |
| Auto-Off Enable | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled |
| Auto-Off Timeout | 16 h | 16 h | 16 h | 16 h | 16 h | 16 h | 16 h | 16 h |
| Max 2-Hr limit | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U | 30 U |
| Occlusion Sensitivity Level | High | High | High | High | High | High | High | High |
| Insulin-On-Board | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled |
| Insulin-On-Board Duration | 4 h | 4 h | 4 h | 4 h | 4 h | 4 h | 4 h | 4 h |
| Sick days, BG over limit | 17 mmol/L | 17 mmol/L | 17 mmol/L | 17 mmol/L | 17 mmol/L | 17 mmol/L | 17 mmol/L | 17 mmol/L |
| Sick days, check ketones | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h |
| Sick days, check BG | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h | 2 h |
| Low Cartridge Warning Level | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U | 40 U |
| Time format | 24 h | 24 h | 24 h | 24 h | 24 h | 24 h | 24 h | 24 h |
| BG unit | mmol/L | mmol/L | mmol/L | mmol/L | mmol/L | mmol/L | mmol/L | mmol/L |
| **Bolus** | | | | | | | | |
| Audio Bolus Enable | Disabled | Disabled | Disabled | Disabled | Disabled | Disabled | Disabled | Disabled |
| Audio Bolus Stepsize per program keypress | 1.0 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Advanced Bolus Options enable | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled |
| Bolus Reminder Options enable | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled |
| Bolus Delivery Speed | Normal | Slow | Normal | Normal | Normal | Normal | Normal | Normal |
| Max Bolus | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U | 20 U |

# Insulin bolus adherence

**Insulin**

**BOLUS ADHERENCE**

*Log of when bolus overrides have occurred. This report allows you to see what the pump calculated as the patient's bolus against what the patient actually delivered.*

*The report displays:*

**1** Insulin actually delivered.

**2** Amount of insulin suggested by bolus calculator.

**3** Bolus Type.

**4** Pre-bolus BG reading.

**5** Post-bolus BG reading

| | Glucose | CGM | **Insulin** | Comparison | Compilation | | My profile |

| WEEK | TREND | DAY BY DAY | BOLUS DOSES | **BOLUS ADHERENCE** | PUMP ALARMS | PUMP SETTINGS |

Period: 08/19/2014 - 09/01/2014, 14 days    Select time interval

🖨 Print to PDF ▼

**14** deviating boluses detected out of ... bolus calculator assisted boluses (out of ... boluses in total)

| Date | Time | Delivered (U) | Calculated (U) | Bolus Type | Duration (min) | Pre-Bolus BG (mmol/L) | Post-Bolus BG (mmol/L) |
|---|---|---|---|---|---|---|---|
| 08/19/2014 | 14:07 | 2.00 | 0.00 | ezBG | | 08/19/2014 14:07 : 13.0 | 08/19/2014 15:33 : 10.2 |
| 08/21/2014 | 11:51 | 4.75 | 5.75 | ezCarb (Normal) | | 08/21/2014 11:51 : 3.8 | 08/21/2014 11:56 : 4.0 |
| 08/21/2014 | 11:56 | 6.90 | 0.90 | ezCarb (Normal) | | 08/21/2014 11:56 : 4.0 | 08/21/2014 14:36 : 6.8 |
| 08/22/2014 | 02:45 | 1.55 | 1.80 | ezBG | | 08/22/2014 02:45 : 12.1 | 08/22/2014 03:42 : 12.5 |
| 08/22/2014 | 03:42 | 1.20 | 1.50 | ezBG | | 08/22/2014 03:42 : 12.5 | 08/22/2014 07:42 : 8.3 |
| 08/22/2014 | 07:42 | 0.85 | 0.80 | ezBG | | 08/22/2014 07:42 : 8.3 | 08/22/2014 15:33 : 9.9 |
| 08/22/2014 | 15:33 | 1.00 | 0.25 | ezBG | | 08/22/2014 15:33 : 9.9 | 08/22/2014 19:54 : 7.3 |
| 08/22/2014 | 19:54 | 0.40 | 0.00 | ezBG | | 08/22/2014 19:54 : 7.3 | 08/23/2014 03:43 : 4.4 |
| 08/23/2014 | 03:43 | 1.10 | 0.00 | ezBG | | 08/23/2014 03:43 : 4.4 | 08/23/2014 07:21 : 10.2 |
| 08/23/2014 | 12:31 | 2.05 | 0.00 | ezBG | | 08/23/2014 12:31 : 10.6 | 08/23/2014 15:54 : 18.9 |
| 08/23/2014 | 15:54 | 6.25 | 5.90 | ezBG | | 08/23/2014 15:54 : 18.9 | 08/23/2014 16:41 : 20.5 |
| 08/26/2014 | 22:20 | 4.00 | 0.00 | ezBG | | 08/26/2014 22:20 : 18.4 | 08/27/2014 13:14 : 9.8 |
| 08/31/2014 | 08:39 | 7.00 | 6.75 | ezBG | | 08/31/2014 08:39 : 20.0 | 08/31/2014 09:34 : 22.2 |
| 09/01/2014 | 12:37 | 7.90 | 7.00 | ezCarb (Normal) | | 09/01/2014 12:37 : 7.0 | |

18

# Comparison logbook/table
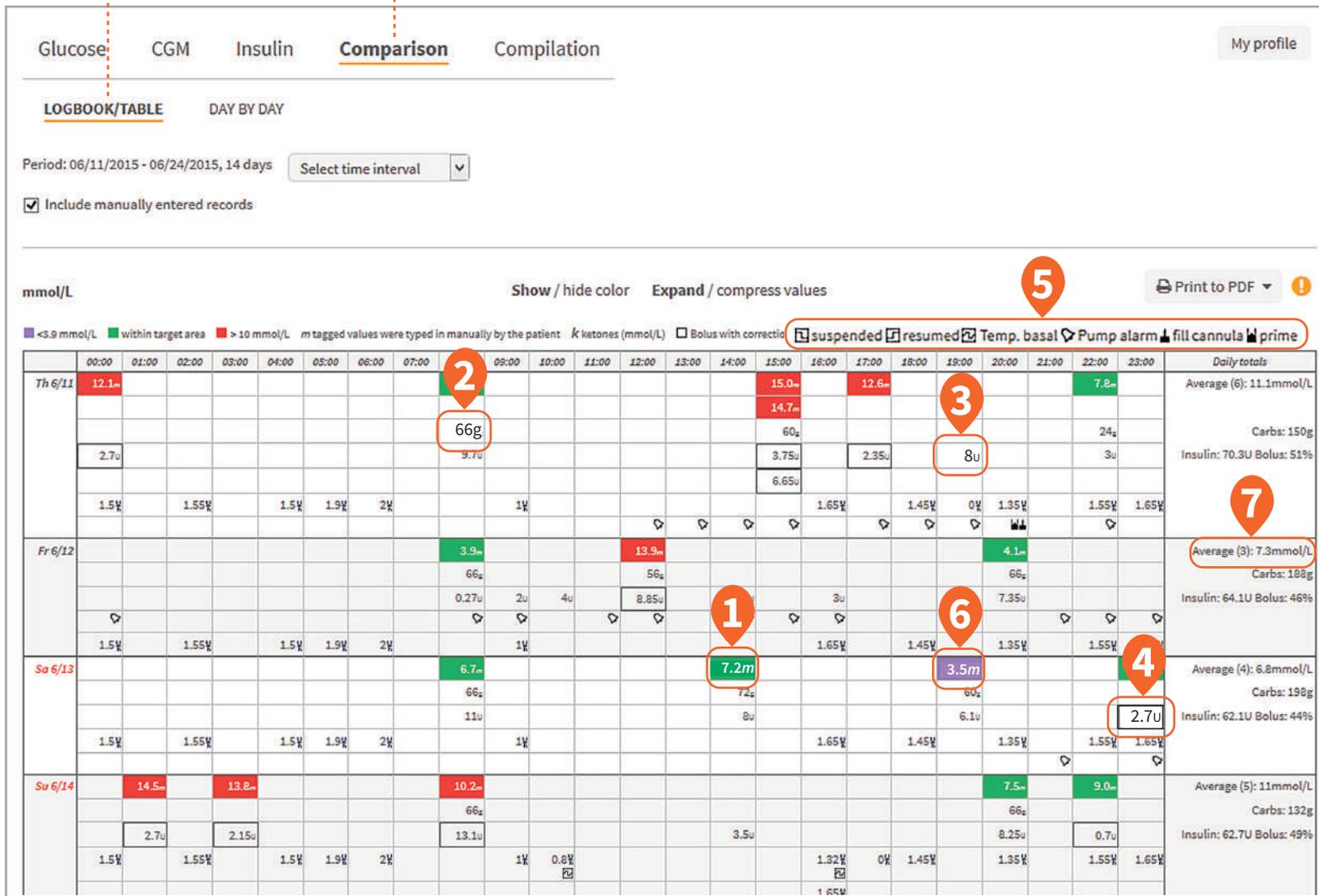
*Consolidated data from insulin pump and glucose meters in a logbook view. Gives the HCP insight into glucose measurement, carb intake and cannula fills, as well as boluses, priming, and suspend events, which assists in evaluating events by time and day (and may aid in identifying patterns). This report view also displays ketones if this is saved in the meter.*

**1** The free standing numbers are glucose readings.

**2** "g" stands for grams of carbohydrates.

**3** "U" stands for units of insulin.

**4** The box indicates that a correction was made.

**5** You can view pump events.

**6** Red = above target range
Blue = below target range
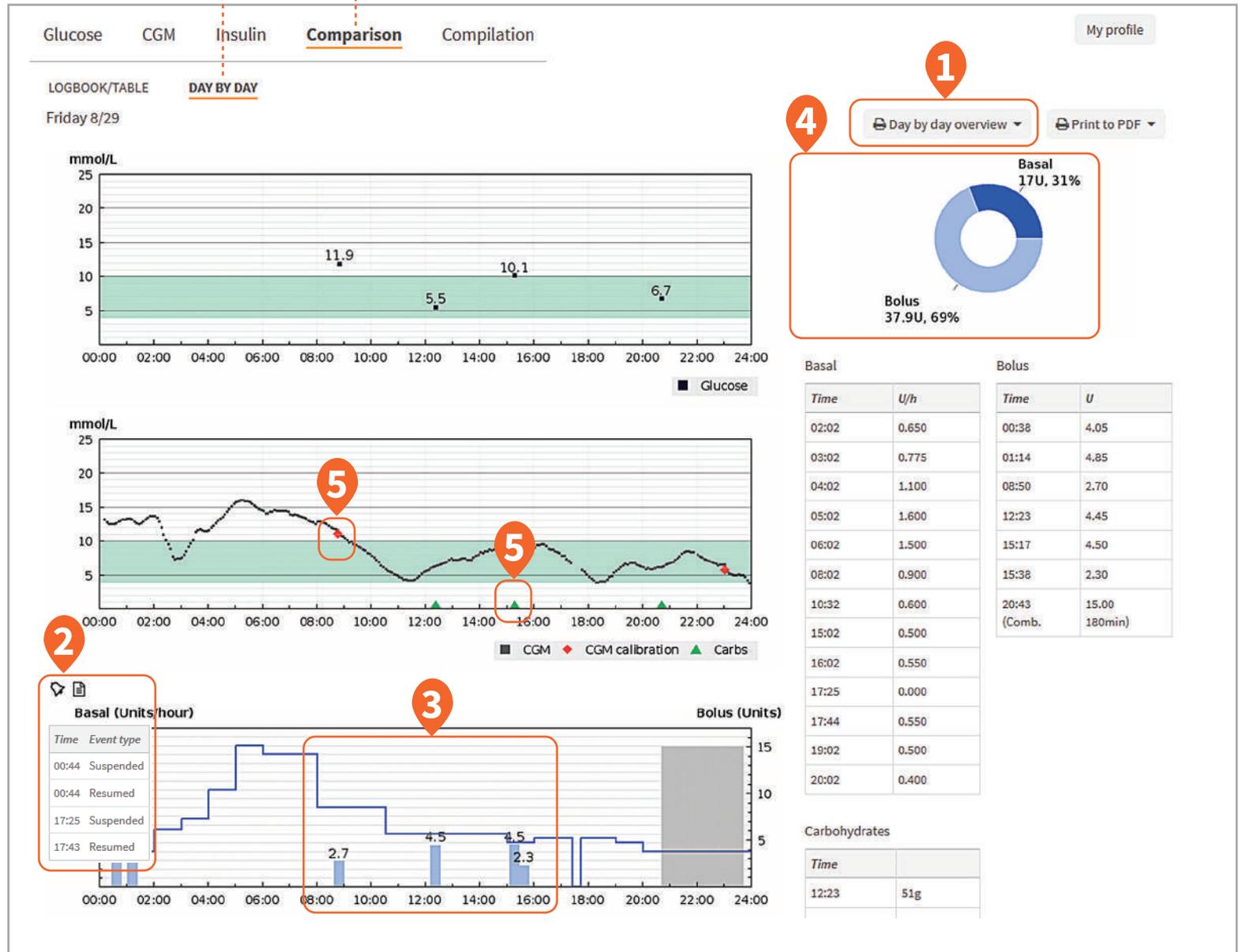Green = within target range

**7** Daily averages also available

# Comparison day by day

*A day by day view of consolidated data from insulin pumps, glucose meters and CGMs in table and graphs.*

**1** Click on this button to see a 2 week overview on one page (see page 21 for a sample).

**2** Details of events and alarms can be seen if you hover over the icons above the graph.

**3** The bolus and basal graph will display insulin data which includes basal rate, temporary basal rate, boluses doses, combination boluses.

**4** You can view the daily total basal and bolus insulin distribution which is isplayed in a separate pie chart.

**5** You can view the carbs in this graph as well as the CGM curve and calibrations if CGM has been uploaded.



Glucose  CGM  Insulin  **Comparison**  Compilation  My profile

LOGBOOK/TABLE  **DAY BY DAY**

Friday 8/29

**Basal**

| Time | U/h |
|---|---|
| 02:02 | 0.650 |
| 03:02 | 0.775 |
| 04:02 | 1.100 |
| 05:02 | 1.600 |
| 06:02 | 1.500 |
| 08:02 | 0.900 |
| 10:32 | 0.600 |
| 15:02 | 0.500 |
| 16:02 | 0.550 |
| 17:25 | 0.000 |
| 17:44 | 0.550 |
| 19:02 | 0.500 |
| 20:02 | 0.400 |

**Bolus**

| Time | U |
|---|---|
| 00:38 | 4.05 |
| 01:14 | 4.85 |
| 08:50 | 2.70 |
| 12:23 | 4.45 |
| 15:17 | 4.50 |
| 15:38 | 2.30 |
| 20:43 (Comb. | 15.00 180min) |

**Carbohydrates**

| Time | |
|---|---|
| 12:23 | 51g |

Basal 17U, 31%
Bolus 37.9U, 69%

| Time | Event type |
|---|---|
| 00:44 | Suspended |
| 00:44 | Resumed |
| 17:25 | Suspended |
| 17:43 | Resumed |

Basal (Units/hour)  Bolus (Units)

# Comparison day by day overview (print to pdf)

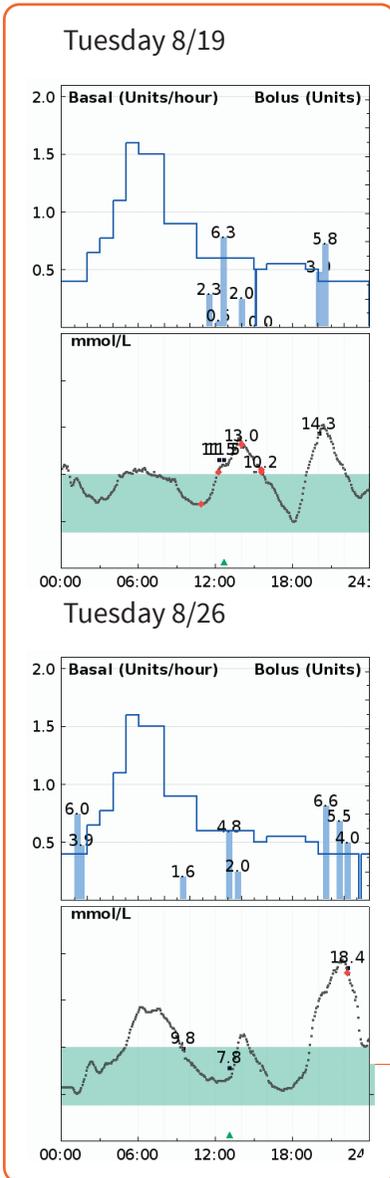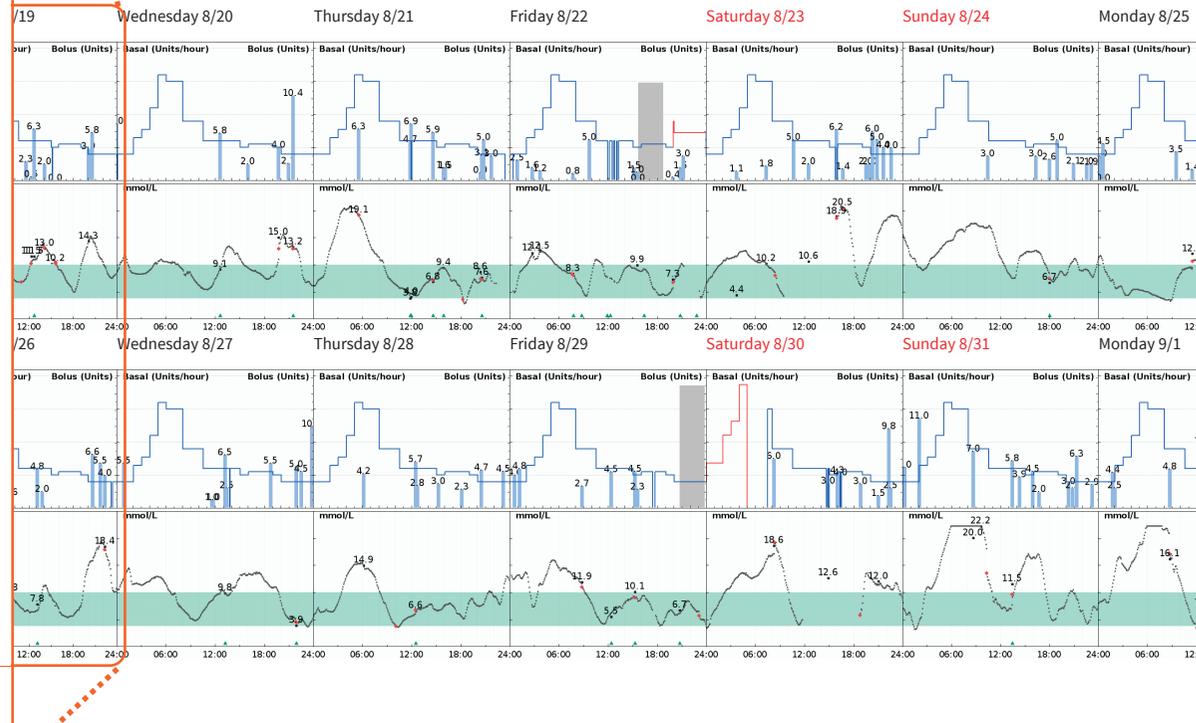*Create a pdf with a 14 day overview!*

*All reports in diasend® can also easily and quickly be exported and printed in PDF by setting up the PDF Wizard. Please see page 23 for information on personalisation/customisation of PDF reports.*

**1** By clicking here you can create a day by day overview containing several weeks. This gives you the ability to compare data from one week to the next.

# Compilation report

*A summary of aggregated data from glucose meters, insulin pumps and CGMs. Allows the user to get an overall picture of the data uploaded for that time period.*

**1** View average BG and SD by time of day.

**2** View detailed CGM data such as average by time of day and AUC (area under the curve).

**3** View detailed insulin pump and carb information such as average days between cannula fills and average days between primes.

**Compilation**

Glucose    CGM    Insulin    Comparison    **Compilation**

My profile

Period: 08/29/2014 - 09/11/2014, 14 days    Select time interval

| Glucose | CGM | Insulin | Carbs | Activity | |
|---|---|---|---|---|---|
| **Average** | **Average** | **Average daily dose** | **Average carbs / day** | **Avg steps / day** | **Avg kcal / day** |
| **11.2** | **10.1** | **29.2 U** | **67 g** | **4047** | **950** |
| mmol/L | mmol/L | | | steps | kcal |
| SD = 4.7    # = 46 | SD = 4.1    # = 3658 | SD = 26    # days = 24 | SD = 117    # = 26 | 40% of 10000 (target) | 38% of 2500 (target) |
| Avg # / day = 1.9 | Avg # / day = 152.4 | Avg # bolus doses/day = 4.9 | Avg # / day = 1.1 | | |

**1**

| Interval | Avg BG | # BG | SD |
|---|---|---|---|
| 00:00-06:00 | 12 | 4 | 5.2 |
| 06:00-08:00 | 11.1 | 3 | 2.8 |
| 08:00-10:00 | 16.4 | 6 | 4.4 |
| 10:00-12:00 | 6.6 | 3 | 3.8 |
| 12:00-14:00 | 9.1 | 10 | 2.1 |
| 14:00-16:00 | 11.4 | 8 | 3.4 |
| 16:00-18:00 | 13.6 | 2 | 6.9 |
| 18:00-20:00 | 11.2 | 2 | 3.9 |
| 20:00-22:00 | 9.5 | 7 | 3.5 |
| 22:00-24:00 | 18.4 | 1 | 0 |

**Glucose (mmol/L)**

| Glucose values summary | |
|---|---|
| Average (mmol/L) | 11.2 |
| Median (mmol/L) | 10.6 |
| Highest value (mmol/L) | 22.2 |
| Lowest value (mmol/L) | 3.8 |
| Standard deviation (SD) | 4.7 |
| Values per day | 1.9 |
| Number of values | 46 |
| Values above goal (10 mmol/L) | 26 |
| Values within goal (3.9-10 mmol/L) | 19 |
| Values below goal (3.9 mmol/L) | 1 |

| Interval | Avg BG | # BG | SD |
|---|---|---|---|
| 00:00-06:00 | 12 | 4 | 5.2 |
| 06:00-08:00 | 11.1 | 3 | 2.8 |
| 08:00-10:00 | 16.4 | 6 | 4.4 |
| 10:00-12:00 | 6.6 | 3 | 3.8 |
| 12:00-14:00 | 9.1 | 10 | 2.1 |
| 14:00-16:00 | 11.4 | 8 | 3.4 |
| 16:00-18:00 | 13.6 | 2 | 6.9 |
| 18:00-20:00 | 11.2 | 2 | 3.9 |
| 20:00-22:00 | 9.5 | 7 | 3.5 |
| 22:00-24:00 | 18.4 | 1 | 0 |

Above 57%
Below 2%
Within 41%
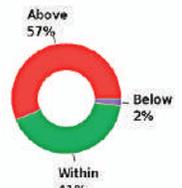
**CGM (mmol/L)**

| CGM readings summary | |
|---|---|
| Average (mmol/L) | 10.1 |
| Median (mmol/L) | 9.4 |
| AUC high > 10 mmol/L | 1.6 |
| AUC low < 3.9 mmol/L | 0 |
| Highest value (mmol/L) | 22.3 |
| Lowest value (mmol/L) | 2.8 |
| Standard deviation (SD) | 4.1 |
| Values per day | 152.4 |
| Number of values | 3658 |
| Values above goal (10 mmol/L) | 1599 |
| Values within goal (3.9-10 mmol/L) | 2006 |

| Interval | Avg | # | SD |
|---|---|---|---|
| 00:00-06:00 | 10.8 | 999 | 3.8 |
| 06:00-08:00 | 13.1 | 338 | 4.9 |
| 08:00-10:00 | 10.7 | 334 | 5.4 |
| 10:00-12:00 | 7.9 | 312 | 3.3 |
| 12:00-14:00 | 8.4 | 270 | 2.4 |
| 14:00-16:00 | 10.4 | 271 | 2.5 |
| 16:00-18:00 | 9.7 | 284 | 4 |
| 18:00-20:00 | 8.1 | 305 | 3 |
| 20:00-22:00 | 10.4 | 303 | 3.7 |
| 22:00-24:00 | 9 | 277 | 4.3 |

Above 44%
Below 1%
Within 55%

**2**
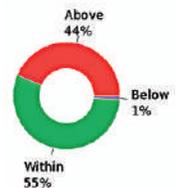
| AUC high > 10 mmol/L | 1.6 |
|---|---|
| AUC low < 3.9 mmol/L | 0 |

**Insulin**

| Insulin doses summary | |
|---|---|
| Average daily insulin (U) | 29.2 |
| Standard deviation (SD) | 25.8 |
| Average daily basal (U) | 9.7 |
| Average daily bolus (U) | 19.5 |
| Average bolus doses/day | 4.9 |
| Average days between cannula fills | 2.3 |
| Average days between primes | 2.2 |

| Bolus calculation summary | |
|---|---|
| Avg # ezBG Boluses/day | 1.1 (23%) |
| Avg # ezCarb Boluses/day | 0.8 (15%) |
| Avg # Combo Boluses/day | 0.1 (2%) |
| Avg # Normal Boluses/day | 3 (61%) |
| Bolus overrides/total boluses | 12% |
| Avg # bolus overrides/day | 0.6 |
| Avg # bolus ezBG overrides/day | 0.5 |
| Avg # bolus ezCarb overrides/day | 0.1 |
| Avg # carbs/ezCarb Bolus | 58 g |
| Avg # Insulin Units/ezCarb Bolus | 6 |

Carb summary

Basal 9.7 U, 33%
Bolus 19.5 U, 67%

**3**

| Average days between cannula fills | 2.3 |
|---|---|
| Average days between primes | 2.2 |

*Allows customisation and management of report preferences consolidated into one PDF file. This includes the ability to add favorite profiles per user.*

**❶** Set the end date of the desired time interval.

**❷** The PDF Wizard allows you to choose which reports to include.

**❸** Set the time span.

**❹** In the patient list you can click on the PDF icon to create a compiled PDF report or click on the downward pointing arrow to select the pre-set profile you wish to view/print.

**❺** You can also find the PDF Wizard under Settings in your account. There you can also add new customised report profiles.

*diasend® is indicated for use by individuals or healthcare professionals in the home or health care facilities for transmitting data from home monitoring devices such as glucose meters and insulin pumps to a server database to support diabetes management.*

**amsl** diabetes