

ENGLISH

# USER MANUAL

## Hedia Diabetes Assistant

Version 2.9.0



<b>1. Intended use</b>	<b>4</b>
1.1. Indications for use	4
1.2. Contraindications	4
1.3. Introduction to HDA	4
1.4. With HDA you get:	6
<b>2. First Calculation</b>	<b>6</b>
2.1. Diabetes treatment	7
2.2. Insulin settings	7
2.3. Summary	8
<b>3. Insulin calculator and Attention notices</b>	<b>9</b>
3.1. Introduction	9
3.2. Attention pop-ups and notices	9
3.3. Attention pop-ups	9
3.4. Notifications	10
3.4.1. Turn off notifications	10
3.5. Insulin calculator	10
3.6. Clinical calculations used in HDA	11
3.6.1. Insulin-to-carb ratio (500 rule mmol/L):	11
3.6.2. Insulin sensitivity factor/correction dose (100 rule or 1800 rule):	11
3.6.2.1. 100 rule	12
3.6.2.2. 1800 rule	12
3.6.3. How to calculate your recommended insulin dose in HDA	12
3.6.4. Meal dose (food)	13
3.6.5. Correction dose (Corr)	13
<b>4. Blood glucose</b>	<b>14</b>
4.1. Target area	15
4.1.1. Blood glucose settings (default)	15
4.2. Average blood glucose	16
4.3. Time in range	16
4.4. Sync with devices	16
4.4.1 How to setup and use Glucomen Areo and Glucomen Areo 2K in HDA via NFC	17
4.4.1.1 Synchronization error GlucoMen Areo	18
4.4.2 How to setup and use Contour NEXT ONE in HDA via Bluetooth	19
4.4.2.1 Synchronization error Contour NEXT ONE	20
4.4.3 How to setup and use Keto-Mojo GKI in HDA via Bluetooth	21
<b>5. Blood ketones</b>	<b>22</b>
5.1 Blood ketone units	22
5.2 Blood ketone ranges	23
5.3 How to log your blood ketone level in HDA	24
5.3.1 How to setup and use Keto-Mojo GKI for blood ketone measurements in HDA via Bluetooth	27
	<b>29</b>
<b>6. Food</b>	<b>29</b>
6.1. Subsequent meals	29
6.1.1. Correction dose after a meal	30

6.2. Carbohydrate suggestions	30
6.3. Food database	31
6.3.1. Search for food items	31
6.3.2. Favorites	32
6.3.3. My food	32
6.3.4. Create food	33
<b>7. Insulin</b>	<b>34</b>
7.1. Active insulin	34
7.2. Maximum insulin dose	34
<b>8. Activity</b>	<b>34</b>
8.1. Activity levels in HDA and their effect	35
8.2. How HDA calculates the effect of activity	36
8.3. Duration of activity	36
8.4. Type of activity	36
8.5. Intensity of activity	36
8.6. Activity start, title and recommendation	36
<b>9. Logbook</b>	<b>36</b>
9.1. Edit and Create entry	38
9.2. Edit entries less than 4 hours after logging	39
9.3 Export logbook entries	39
<b>10. Settings</b>	<b>39</b>
10.1. Account Settings	40
10.1.1. Edit Profile	40
10.1.2. Forgot password	40
10.2. Personal Settings	40
10.2.1. Blood Glucose	41
Default settings for blood glucose level for daily intervals divided into the seven time periods (table 9 and table 10):	42
10.2.2. Blood Ketones	43
10.2.2.1 Blood ketone colour indicators	43
10.3. Notifications	43
10.3.1. Medicine reminder	44
10.3.2. Remeasurements	44
10.4. Activity	45
10.5. Settings for Insulin Calculation	46
10.5.1 Treatment type	46
10.5.2 Insulin settings	46
10.6. Recommend HDA	48
10.7. Change language	49
<b>11. Icons</b>	<b>49</b>
<b>12. Support</b>	<b>53</b>
<b>13. Contact Information</b>	<b>53</b>
<b>14. List of references</b>	<b>53</b>

## Terminology

Hedia diabetes Assistant = HDA

Blood glucose level = BGL

# 1. Intended use

HDA is a medical mobile application (standalone software) with no body contact, intended to monitor blood glucose and to support in the decision making of the optimal bolus insulin dose for management of insulin dependent diabetes by providing the user with an indicative Bolus insulin dose.

## 1.1. Indications for use

HDA is indicated as an aid for adult patients 18+ years which are diagnosed with:

- Type 1 diabetes - insulin dependent diabetes mellitus
- Type 2 diabetes on basal-bolus insulin regimen – multiple dose insulin therapy

and who have cognitive and physical skills to use mobile applications and who use rapid-acting insulin. The users are smartphone users with operating systems iOS 11.0 or newer or Android version 5.0 or newer.

Based on blood glucose as the fifth vital physiological parameter in diabetes care (ref. 1 og 2) and estimation of carbohydrate intake, physical activity and active insulin, at a given time, it aids in the improvement of managing the patients diabetes by providing guidance on general lifestyle management, carbohydrate intake and bolus calculation.

## 1.2. Contraindications

For safety reasons the system should not be used by children or patients with the following conditions;

- Pregnancy
- Gestational diabetes
- Fever

## 1.3. Introduction to HDA

HDA is a diabetes assistant (application) that supports you in the decision making of the optimal bolus insulin dose for daily management of your diabetes. HDA helps you in your daily diabetes management treatment by being action-advising in the calculation of insulin dose. HDA is based on advanced carbohydrate counting and is a tool for those who want an easier life with diabetes. HDA uses known formulas to calculate an indicative recommended insulin dose based on your current blood glucose, your carbohydrate intake, your activity level, and the amount of active insulin you have in your body.

In this user guide you will learn how HDA diabetes assistant should be used in the daily management of your diabetes. In order to use the app correctly and securely, you must understand its operation, display messages and all the different features. To get the most out of HDA it is important that you enter as much data as possible to track and manage your diabetes and the data should be as accurate as possible to obtain the optimal insulin dosage. This is the only way to get the most out of HDA.

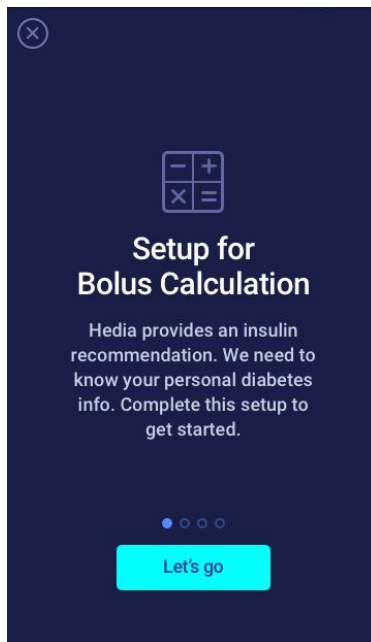
Contact us if you have any questions or experience any errors. An overview of contact information is provided at the end of the user manual.

## 1.4. With HDA you get:

- Easy and fast data entry
- Overview of active insulin
- Insulin calculator
- Logbook
- Clear graph of your blood glucose
- Food database incl. search function and add function
- Activity


## 2. First Calculation

The first time making an insulin calculation you need to set up the Bolus Calculator.



## 2.1. Diabetes treatment

Make personal settings for pen/pump, units and types of insulin



← Your diabetes treatment

Pen Pump

In which unit do you measure Blood Glucose?

mmol/l  
EXAMPLE  
High - 12 mmol/l  
Target - 8 mmol/l  
Low - 3 mmol/l

mg/dl  
EXAMPLE  
High - 130 mg/dl  
Target - 70 mg/dl  
Low - 30 mg/dl

Insulin

Fast-Acting Insulin >

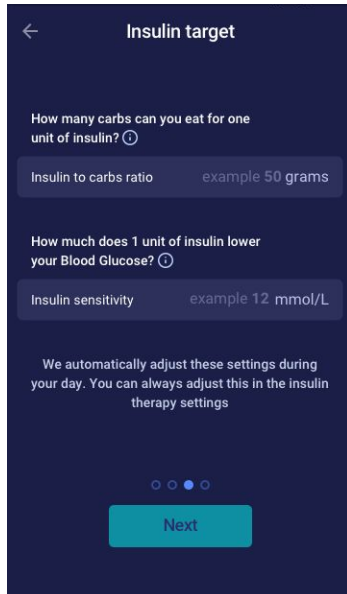
Long-Acting Insulin >

○ ● ○ ○ ○

Next

## 2.2. Insulin settings

Set your insulin settings using the 500-rule and the 100/1800 rule.



← Insulin target

How many carbs can you eat for one unit of insulin? ⓘ

Insulin to carbs ratio example 50 grams

How much does 1 unit of Insulin lower your Blood Glucose? ⓘ

Insulin sensitivity example 12 mmol/L

We automatically adjust these settings during your day. You can always adjust this in the insulin therapy settings

○ ○ ● ○ ○

Next

### What is my insulin to carb ratio?

Your insulin to carb ratio is the factor used to calculate a meal bolus. It is calculated by using the "500-rule".

Divide 500 with the total units of insulin (both basal and bolus) you take in one day.

**Example**  
If you take 50 units of insulin on an average day  
500/50 units = 10 grams of carbs are covered by one unit of insulin.

### What is my insulin sensitivity factor?

Your insulin sensitivity factor is also known as your correction factor. This number is used when we need to calculate a bolus for lowering a high blood sugar. It is calculated by using the "100-rule".

Divide 100 with the total units of insulin (both basal and bolus) you take in one day.

**Example**  
If you take 50 units of insulin on an average day  
500/50 units = 10 grams of carbs are covered by one unit of insulin.

## 2.3. Summary

A summary of your inputs for the insulin recommendation. You need to check if it is correct and confirm.

←

### Summary

Please check that these settings are correct. If you are in doubt contact your general practitioner.

General diabetes treatment

Diabetes Type	Type 1
Treatment Type	Pen
Blood Glucose Units	mmol/L
Fast-Acting Insulin	Novorapid
Long-Acting Insulin	Lantus

Insulin factors

Insulin to carbs ratio	10 grams
Insulin sensitivity	2.0 mmol/L

○ ○ ○ ●

Confirm and make first calculation

## 3. Insulin calculator and Attention notices

### 3.1. Introduction

When you use HDA for the first time, you will be asked to personalize the app with your information before the app can be used. In HDA it's called "first time calculation". These settings relate to your insulin-to-carbohydrate ratio (hereafter insulin-to-carb ratio) and your insulin sensitivity factor. It is important that these settings are set correctly to provide you with a correct indicative bolus insulin dose. We recommend that you consult your diabetes therapist before setting up the features and start using HDA. You can only access the insulin calculator if you fill out the required fields in the "first time calculation"-flow.

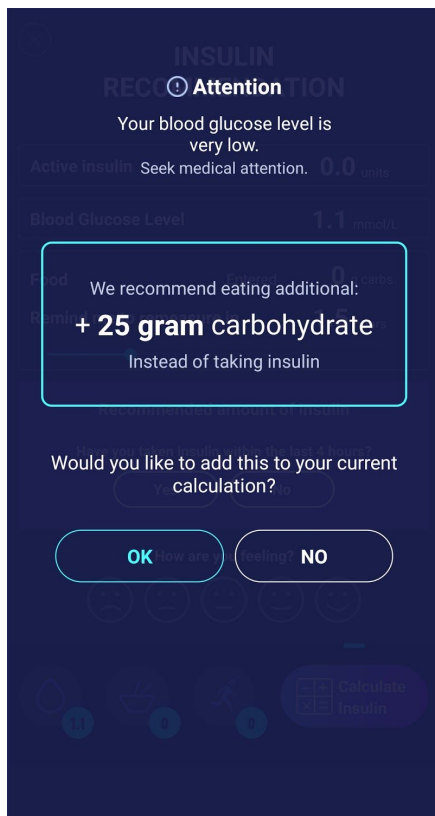
### 3.2. Attention pop-ups and notices

In order to ensure your safety as a HDA user, we have developed a number of attention pop-up messages, notifications and confirmations of your entries. You must pay close attention to these messages and always make sure your data is correct.

### 3.3. Attention pop-ups

To secure you as a user, we have implemented a number of Attention pop-ups that we would strongly recommend you to be aware of. When you receive an attention pop-up, it's important to make sure that all your entries are correct.

HDA has built-in limits for e.g. insulin, blood glucose and carbohydrate input, thus entries exceeding the given limits are recognised and you will receive an attention pop-up and be prompted to check your entries. Below is an example of what an attention pop-up can look like in HDA:





## 3.4. Notifications

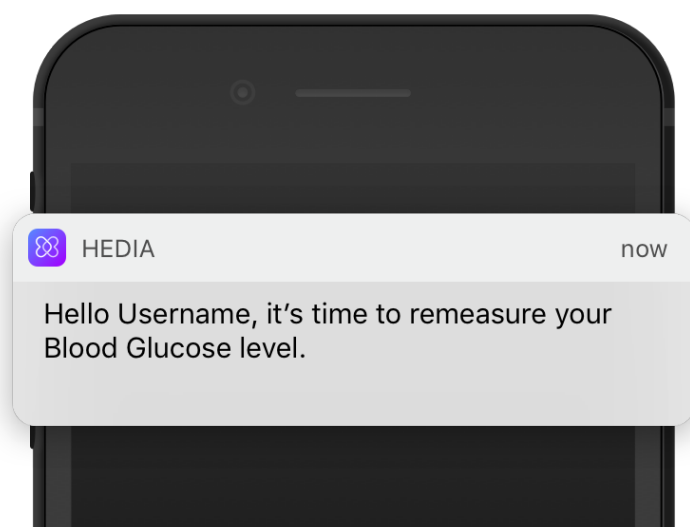
Once you have used HDA and transferred data to your logbook, HDA is set to give a notification after 1.5 hours. This notification is based on the effect profile of rapid-acting insulin and is intended to remind you to measure your blood glucose, so a potential high or low blood glucose can be corrected immediately.

If you do this control measurement of your blood glucose, HDA will be able to help you stabilize your blood glucose level. HDA will use your new blood glucose measurement to assess whether you are on the right curve to your desired target blood glucose. If you are outside of this curve, HDA will recommend you a correction dose or guide you to ingest X grams of carbohydrate so that the risk of low or high blood glucose is minimized.

You can set this notification yourself from 30 minutes and up to 6 hours (half-hour intervals), on the 'insulin recommendation' page. You can also turn the notification on or off on the 'insulin recommendation' page.

### 3.4.1. Turn off notifications

To turn off notifications from Hedra completely, please refer to your phone manufacturers instructions on how to turn off app notifications in general phone settings.



## 3.5. Insulin calculator

The use of HDA requires understanding of your diabetes treatment. Therefore, you should work closely with your diabetes therapist and be fully aware of your diabetes treatment. The Insulin calculator helps you calculate your current amount of insulin based on your entered information. Therefore, you must be able to accurately assess your current situation.

The insulin calculator calculates your insulin dose based on your following informations;

- The insulin-to-carb ratio and insulin sensitivity factor you entered under settings or before your first insulin calculation
- Your current entered blood glucose
- Entered amount of carbohydrates
- Activity
- Active insulin is calculated from above inputs

The insulin calculator is only indicative. The Insulin calculator can't judge your current situation independently of your discretion and can't correct any incorrect entries. HDA has built-in limits for blood glucose- and carbohydrate inputs, thus entries exceeding these given limits are recognised and you will receive an attention popup and be prompted to check the input for your own safety. However, as long as entries fall within the built-in limits, the accuracy of your entries can't be verified by HDA.

***Therefore, no attention pop-ups appear if your entries are plausible (located within acceptable range) but incorrect. It is therefore important that you check that all your entries are correct.***

Always compare HDA's results with your actual condition and adjust the recommended dose if necessary.

Insulin doses taken before HDA has been used for the first time, HDA can't take into account in the calculations. The same applies to administered insulin doses and consumed meals which you do not register in HDA.

We recommend that you continuously update HDA to the extent that updates are available in the AppStore or Google Play and the app will prompt you to do so.

## 3.6. Clinical calculations used in HDA

The insulin dose recommended by HDA consists of two components; a recommendation for a meal dose that covers your intake of carbohydrates and a recommendation for a correction dose for adjusting your blood glucose level if it is above or below your desired blood glucose target.

HDA is based on advanced carbohydrate counting and the calculations in HDA are based on known and frequently used formulas.

The insulin-to-carb ratio (500 rule) and insulin sensitivity factor (100 rule or 1800 rule) are at any given time active in the background of the app. Meaning the app functions are available off and online. All HDA's calculations are based on these two algorithms.

### 3.6.1. Insulin-to-carb ratio (500 rule mmol/L):

This is an expression of how many grams of carbohydrate one unit of insulin covers.

$500 / \text{your daily dose (total amount of insulin taken in a day including long-acting insulin)}$

**Example: 50 IU per day gives the following:  $500/50 = 10$  (one unit of insulin counteracts 10 grams of carbohydrates).**

### 3.6.2. Insulin sensitivity factor/correction dose (100 rule or 1800 rule):

This is an expression of how much your blood glucose can be expected to fall on one unit of rapid-acting insulin.

Depending on whether you measure your blood glucose in mmol/L or mg/dL HDA will calculate your corrections dose using the 100 rule or the 1800 rule.

### 3.6.2.1. 100 rule

100 / your daily dose (total amount of insulin taken in a day including long-acting insulin)

If you measure your blood glucose in mmol/L HDA will calculate your correction dose by applying the 100 rule.

**Example: 50 IU per day gives the following:  $100/50 = 2$  (one unit of insulin causes a drop in blood glucose of about 2 mmol/L).**

### 3.6.2.2. 1800 rule

If you measure your blood glucose in mg/dL HDA will calculate your correction dose by applying the 1800 rule.

1800 / your daily dose (total amount of insulin taken in a day including long-acting insulin)

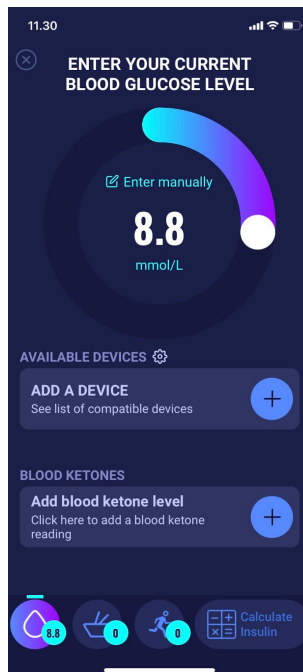
**Example: 50 IU per day gives the following:  $1800/50 = 36$  (one unit of insulin covers 36 grams of carbohydrates).**

Each formula is used by HDA to calculate your insulin-to-carb ratio, as well as your insulin sensitivity factor.

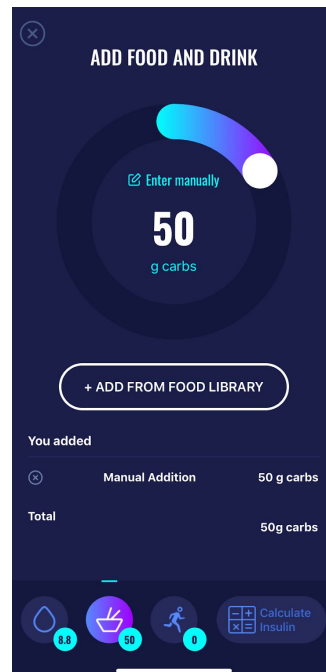
The insulin-to-carb ratio and insulin sensitivity factor must be entered in HDA before the first insulin calculation can be made. HDA can't be used until these settings are made, as HDA makes all its calculations based on these two formulas.

Under Settings, you can change your settings for your insulin-to-carb ratio, as well as your insulin sensitivity factor. In addition, HDA can help you with the 500- and the 100/1800 rule.

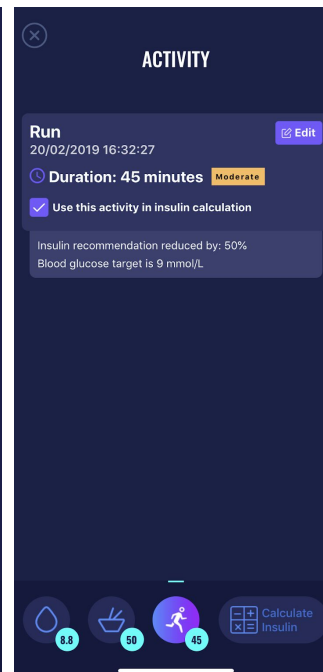
### 3.6.3. How to calculate your recommended insulin dose in HDA



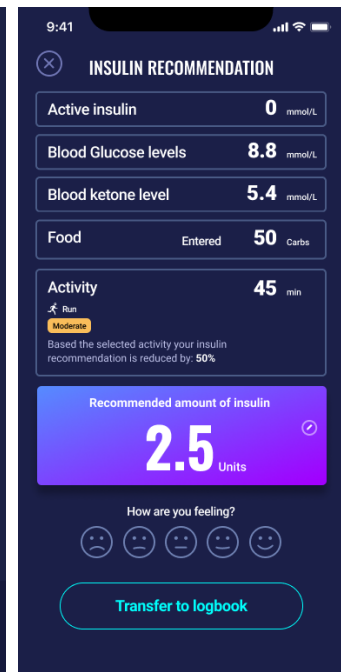
Enter current blood glucose level. Or connect with blood glucose monitor.



Enter amount of carbs to eat or drink. Enter manually or use food database.



Add activity to your calculation. Set amount of time, kind, intensity and time of activity.



Based on the previous inputs HDA calculates a recommended amount of insulin.

HDA will calculate your recommended insulin dose based on your current blood glucose, the amount of carbohydrates you entered, the amount of activity you have added and the amount of active insulin from previous calculations. The calculations can be seen on the 'insulin recommendation' screen at your recommended insulin dose. The 'insulin recommendation' screen shows your current entered data, See picture above.

Calculation is based on: meal dose (food) + Correction dose (Corr) - active insulin - Activity.

### 3.6.4. Meal dose (food)

Your meal dose (food) is the amount of insulin to be administered to cover the amount of carbohydrates you have entered. Calculations are performed based on your insulin-to-carb ratio (500 rule).

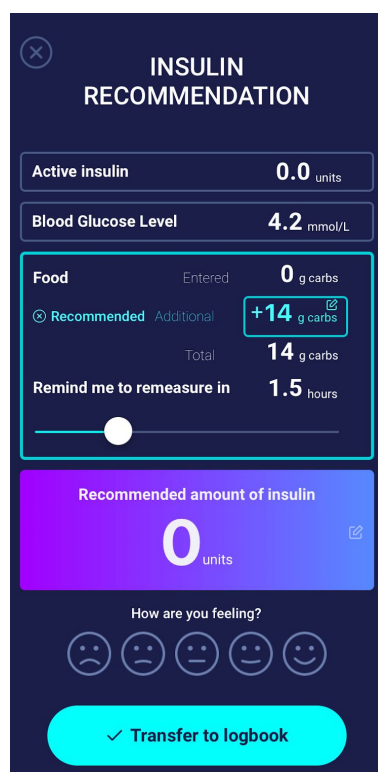
### 3.6.5. Correction dose (Corr)

If your blood glucose level is above or below your blood glucose target, HDA recommends a correction dose. If you enter a low blood glucose (hypoglycaemia), HDA will use your insulin sensitivity factor (100 rule) to calculate how many units of rapid-acting insulin should be **withdrawn** from the recommended insulin dose.

If you enter a high blood glucose (hyperglycaemia), HDA will use your insulin sensitivity factor (100 rule/1800 rule) to calculate how many units of rapid-acting insulin should be **added** to your recommended dose.

The calculations of a correction dose depends on your current blood glucose entries in the app, your insulin sensitivity factor, and if you plan to eat.

If your blood glucose is low, you will be asked to eat a certain amount of carbohydrates to prevent further low blood glucose and the risk of insulin shock. In this situation, a correction dose is not calculated.



## 4. Blood glucose

Blood glucose is indicated in HDA as mmol/L or mg/dL.

In HDA it is possible to type in a blood glucose level from 1.1 mmol/L - 33.3 mmol/L. For the unit mg/dL it is possible to type in a blood glucose level from 20 mg/dL - 600 mg/dL. These limits also apply to blood glucose transferred from your blood glucose meter. If your blood glucose meter shows a lower value than the one allowed in HDA, HDA will transfer 1.1 mmol/L / 20 mg/dL and if your blood glucose meter shows a higher value than the one allowed in HDA, HDA will transfer 33.3 mmol/L / 600 mg/dL.

HDA will recommend you to measure for ketones if a blood glucose measurement is above 15 mmol/L or 270 mg/dL and you are about to do activity.

HDA will also recommend you to measure for ketones if two blood glucose measurements have been above 15 mmol/L or 270 mg/dL within the last 6 hours.

See standard limits and attention messages on the next page (table 1):

Table 1 : Standard limits for attention messages in HDA: BGL entered in the calculator

BGL in mmol/L and mg/dL	Definition	Attention messages
< 1.1 mmol/L 20 mg/dL	<b>Insulin shock</b>  Not possible to input data below, in HDA.	No attention message.
1.2 - 2 mmol/L 22 - 36 mg/dL	<b>Severe hypoglycemia (insulin shock)</b>  No recommendation for insulin.	<i>"Attention: Your blood glucose level is very low. Seek medical attention. We recommend eating additional: X gram carbohydrate. Instead of taking insulin".</i>
2.1 - 3.5 mmol/L 38 - 64 mg/dL	<b>Hypoglycemia (insulin reaction)</b>  No recommendation for insulin.	<i>"Attention. Your blood glucose level is low. You will be reminded to measure your blood glucose level in 15 min. We recommend eating additional: X gram carbohydrate. Instead of taking insulin".</i>
3.6 - 4 mmol/L 65 - 70 mg/dL	<b>Mild hypoglycemia</b>  <i>"We recommend eating additional: X gram of carbohydrate. Instead of taking insulin".</i>  If carbohydrates is logged - HDA will recommend a bolus insulin dose for the carbohydrates withdrawn the correction factor, corresponding to the low blood glucose level.	No attention message.
4.1 - 7 mmol/L 74 - 130 mg/dL	<b>Normal glycemia</b>  Insulin recommendation as usual.	No attention message.
7.1 - 14.9 mmol/L 128 - 268 mg/dL	<b>Mild hyperglycemia</b>  Insulin recommendation as usual.	No attention message.

15 - 33.3 mmol/L 270 - 600 mg/dL	<b>Hyperglycemia</b>	No attention message.  If <b>activity</b> is logged an attention message will occur: "You have a high blood glucose level you should take insulin and measure ketones in your urine. You will be reminded to measure your blood glucose level in 15. min."
2. time measured above 15 mmol/L within 6 hours  2. time measured above 270 mg/dL within 6 hours	<b>Severe hyperglycemia</b>	"Attention: You have a high blood glucose level you should take insulin and measure ketones in your urine. You will be reminded to measure your blood glucose level in 15 min".

## 4.1. Target area

The recommended blood glucose concentration is maintained within a level of 4-8 mmol/L or 72-144 mg/dL. A blood glucose concentration below 4 mmol/L (72 mg/dL) is called hypoglycaemia and a blood glucose concentration above 8 mmol/L (144 mg/dL) is called hyperglycaemia.

When you use HDA for the first time, the app is set with the following default blood glucose targets.

**Default of the overall settings for blood glucose level is seen below (table 2 and table 3):**

Table 2: Default for overall settings for blood glucose units in mmol/L

Low BGL	Target BGL	High BGL
< 4 mmol/L	6 mmol/L	> 10 mmol/L

Table 3: Default for overall settings for blood glucose units in mg/dL

Low BGL	Target BGL	High BGL
< 72 mg/dL	108 mg/dL	> 180 mg/dL

### 4.1.1. Blood glucose settings (default)

Target blood glucose: **6** mmol/L or **108** mg/dL

Blood glucose limits:

Low blood glucose : < **4** mmol/L or **72** mg/dL

High blood glucose : > **10** mmol/L or **180** mg/dL

You can choose to change these settings according to your needs, within HDA's defined limits for blood glucose (see section **9.2.1 Blood glucose**, table 13: Limits for adjusting BGL values in HDA in mmol/L and mg/dL)

HDA has, as a safety measure, a built-in minimum target BGL of 5 mmol/L or 90 mg/dL and 13.9 mmol/L or 250 mg/dL as the maximum target BGL.

## 4.2. Average blood glucose

HDA needs a minimum of 28 calculations over a period of maximum 14 days to calculate your average BGL. Your average BGL appears on the dashboard.

Your average blood glucose is not the same as the HbA1c measurement that is measured by your doctor.

The amount of data within this time period is enough to provide a sufficiently accurate estimate of your average BGL.

## 4.3. Time in range

Time in range is a percentage of the time your blood glucose is within your blood glucose target values.

HDA needs a minimum of 28 calculations over a period of maximum 14 days to calculate your time in range. Your average time in range appears on the dashboard.

Your time in range is not the same as the HbA1c/a1c measurement that is measured by your doctor.

## 4.4. Sync with devices

HDA is compatible with the following devices via NFC or Bluetooth:

Table 4: Compatible devices for HDA via NFC

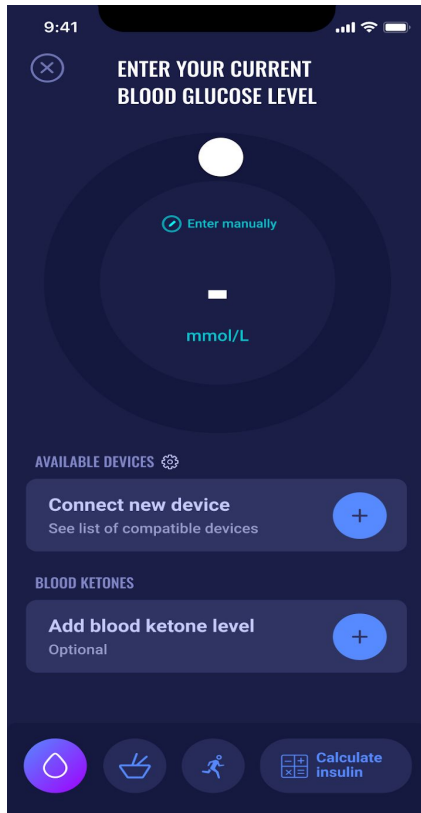
Device Name	From serial nr and onwards on iOS	Manufacturer
GlucoMen® areo	EQ493	A. Menarini Diagnostics S.r.l.
GlucoMen® areo 2K meter set	HC109	A. Menarini Diagnostics S.r.l.

Table 4.1: Compatible devices for HDA via Bluetooth

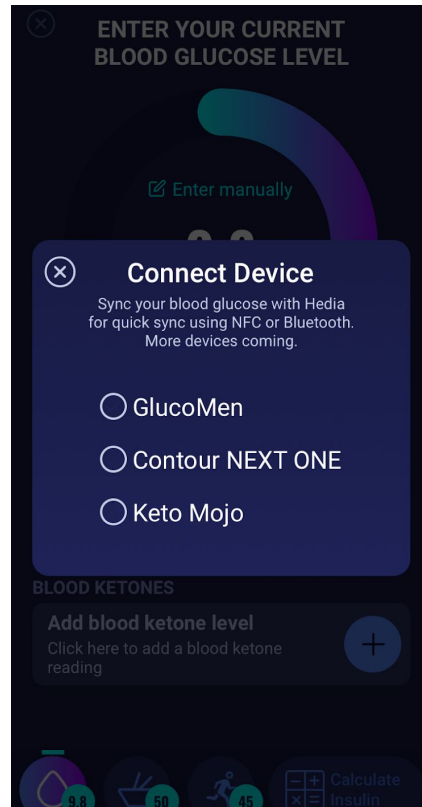
Device Name	Manufacturer
Contour® NEXT ONE	Ascensia Diabetes Care Holdings AG
Keto-Mojo™ GKI	Keto-Mojo Europe BV

## 4.4.1 How to setup and use Glucomen Areo and Glucomen Areo 2K in HDA via NFC

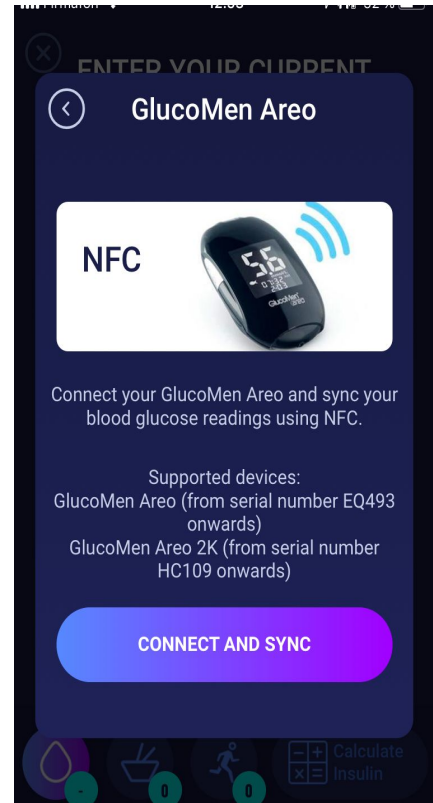
When you want to sync HDA with your GlucoMen Areo or your Glucomen Areo 2K, it is important that you start by making a new, current blood glucose measurement, as well as checking that the time on your blood glucose meter is set correctly. Next, follow the guide below to set up your devices.



On the “Enter your current Blood Glucose Level” screen, you can press “Connect A Device” to start the setup.

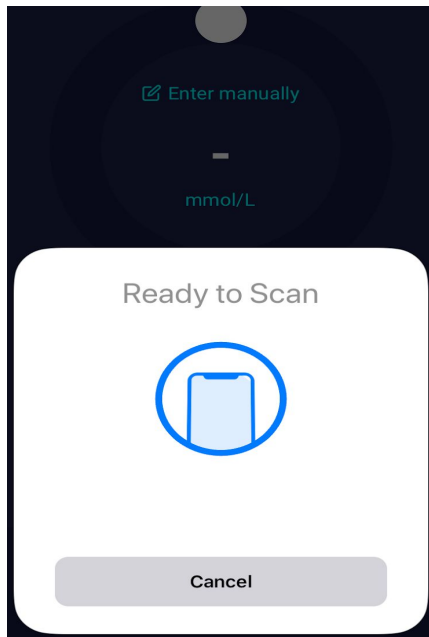


A list of the supported devices will appear. Tap on the desired device.

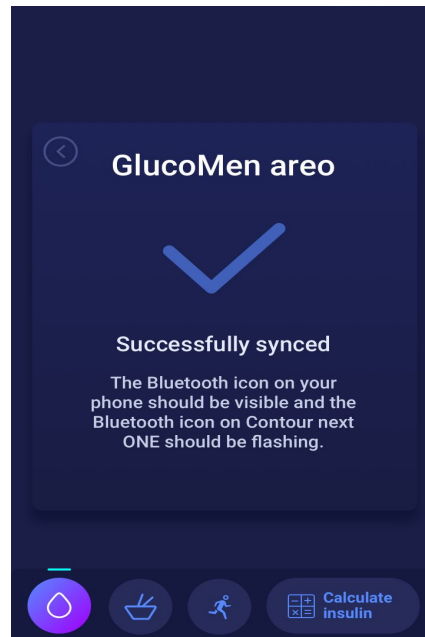


An info screen of the device and its connection type appears. Tap “connect” and sync to pair device.

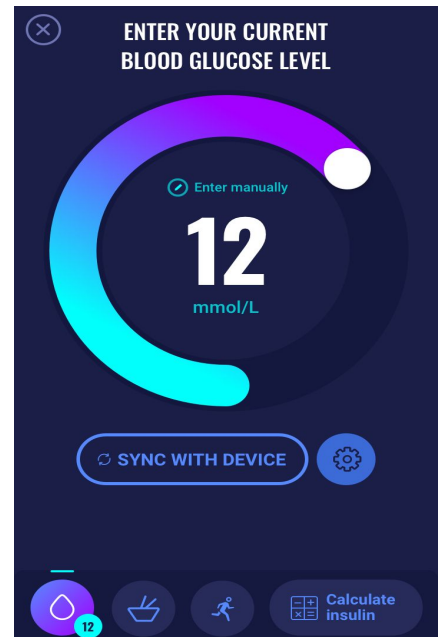




A screen will appear with information for scanning using NFC.



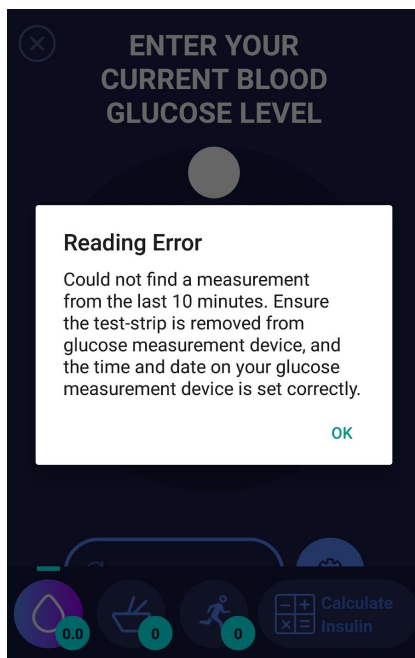
When the sync is successful a success screen will appear and disappear.



The latest reading from the device is now in HDA. The added device is now default, and will sync using the "Synch with device" button.

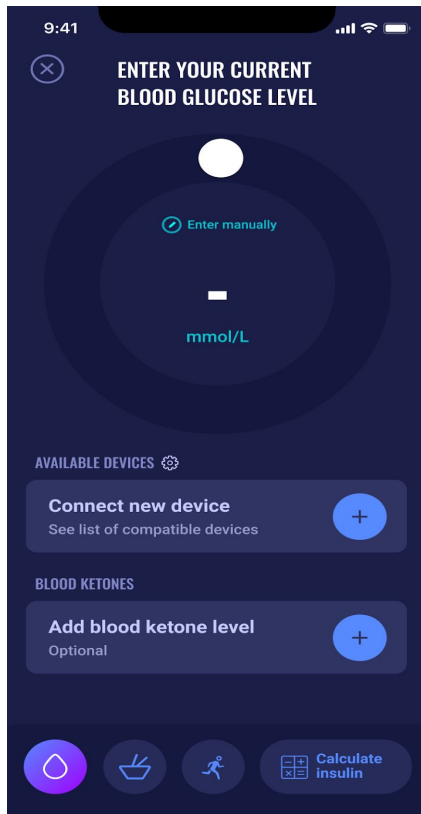
#### 4.4.1.1 Synchronization error GlucoMen Areo

If you try to sync your GlucoMen Areo with a reading older than 10 minutes you are presented with the following reading error. You have to remove the strip and scan again.

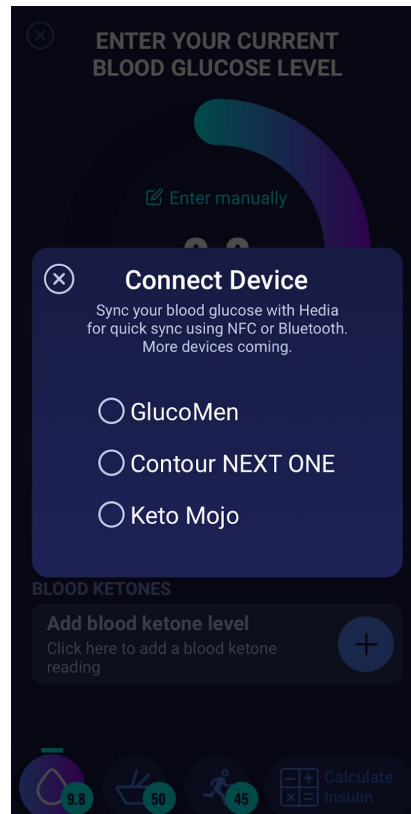


## 4.4.2 How to setup and use Contour NEXT ONE in HDA via Bluetooth

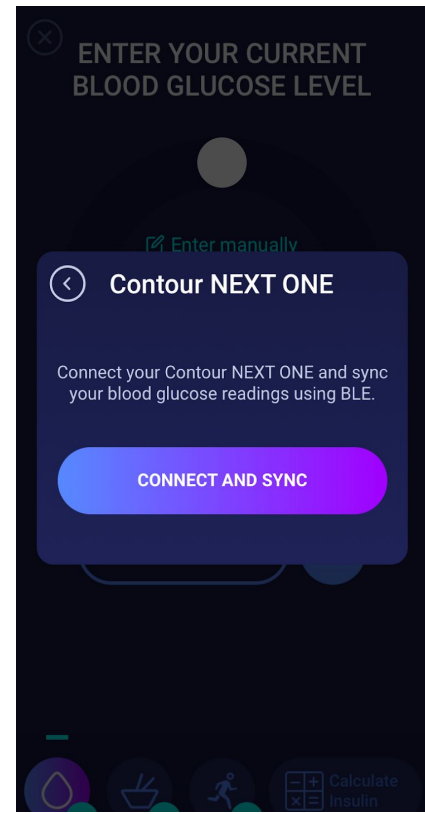
When you want to sync HDA with your Contour NEXT ONE, it is important that you start by making a new, current blood glucose measurement, as well as checking that the time on your blood glucose meter is set correctly. Next, follow the guide below to set up your devices.



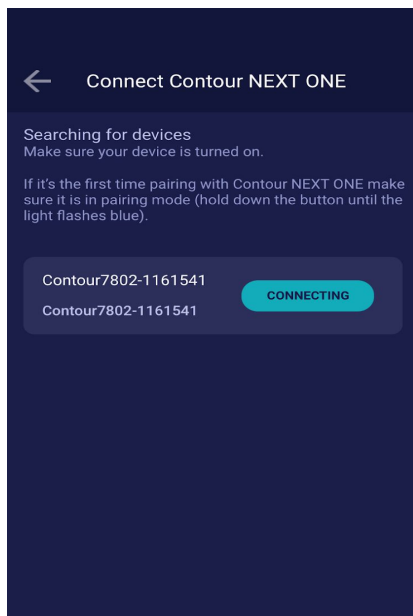
On the “Enter your current Blood Glucose Level” screen, you can press “Connect A Device” to start the setup.



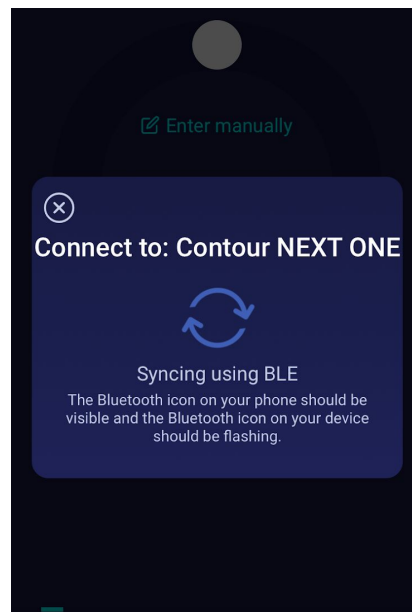
A list of the supported devices will appear. Tap on the desired device.



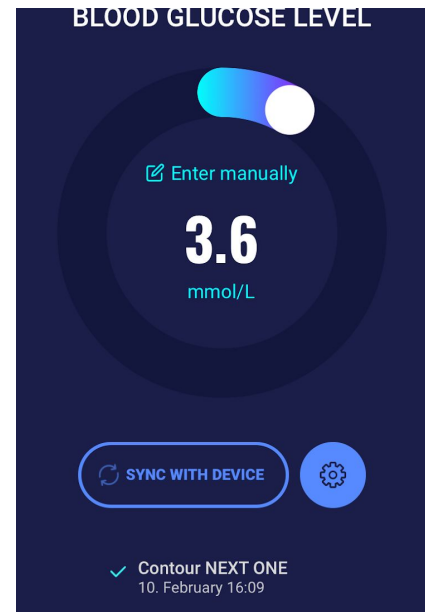
An info screen of the device and its connection type appears. Tap “connect” and sync to pair device.



HDA will start searching for Contour NEXT ONE devices, if it's the first time, make sure it is in pairing mode. Hold down the button until the light turns blue, and it will appear on the list as shown above. Press connect.



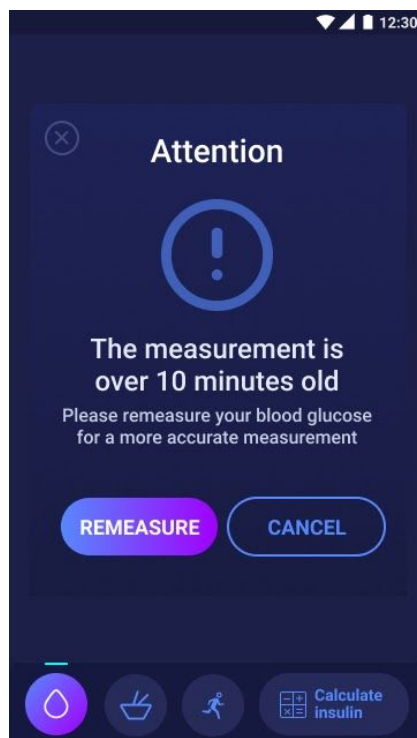
HDA will sync with the selected Contour NEXT ONE using Bluetooth. Make sure the blood glucose reading is made within the last 10 minutes.



The latest reading from the device is now in HDA. The added device is now default, and will sync using the "Sync with device" button.

#### 4.4.2.1 Synchronization error Contour NEXT ONE

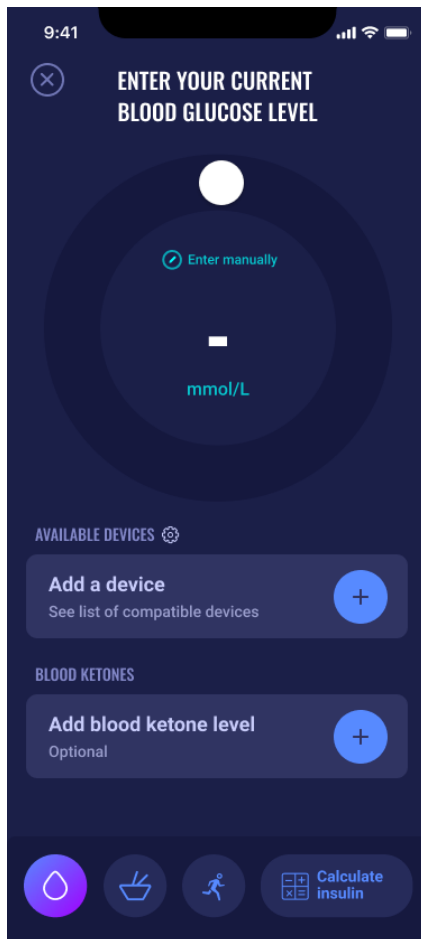
If you try to sync your Contour NEXT ONE with a reading older than 10 minutes you are presented with the following reading error. You will have to make a new blood glucose reading and sync again.



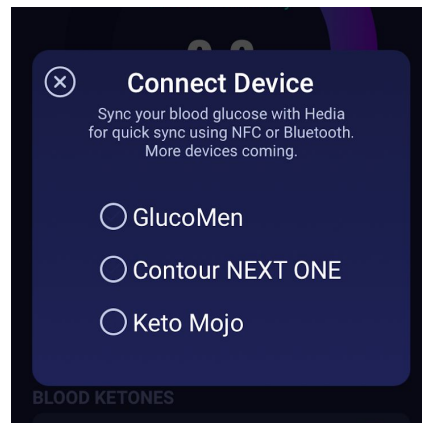
### 4.4.3 How to setup and use Keto-Mojo GKI in HDA via Bluetooth

With Keto-Mojo GKI it is possible to measure both your BGL and your blood ketone level. Both BGLs and blood ketone levels can be entered in HDA. For more information about how to set up and log blood ketones in HDA with your Keto-Mojo GKI device, go to section 5.2.

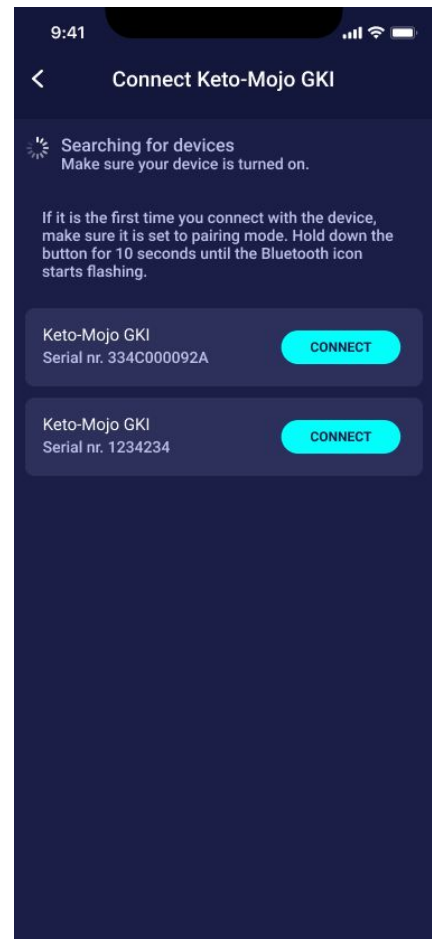
When you want to sync HDA with your Keto-Mojo GKI for measuring your BGL, it is important that you start by making a new, current blood glucose measurement, as well as checking that the time on your blood glucose meter is set correctly. Next, follow the guide below to set up your device.



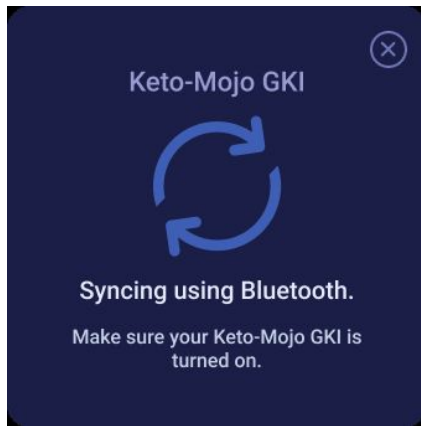
On the "Enter your current Blood Glucose Level" screen, you can press "Add a device" to start the setup.



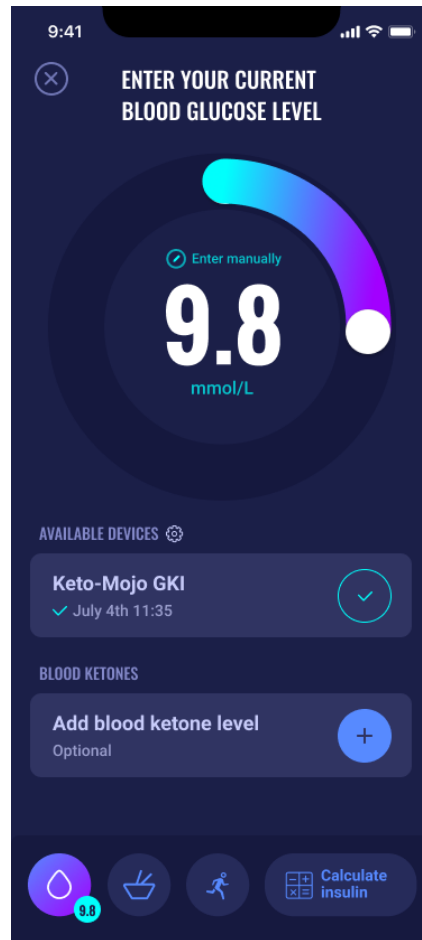
A list of the supported devices will appear. Tap on the desired device.



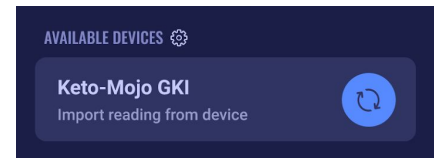
An info screen of the device and its connection type appears. HDA will start searching for the Keto-Mojo GKI device. If it is the first time, make sure it is in pairing mode. Hold down the button until the light turns blue, and it will appear on the list as shown above. Tap "connect" to pair the device.



HDA will sync with the selected Keto-Mojo GKI using Bluetooth. Make sure the blood glucose reading is made within the last 10 minutes.



The latest blood glucose reading from your device is now in HDA.



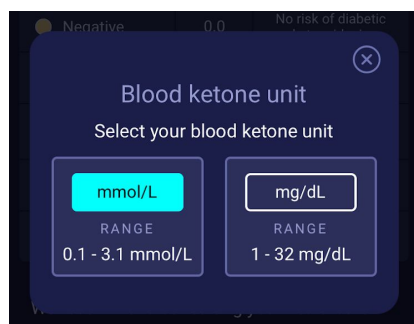
The added Keto-Mojo GKI device is now default and available, and will sync using the “Import reading from device” button.

## 5. Blood ketones

In HDA it is possible to add and log your blood ketone level. Please note that it is ONLY possible to enter blood ketone levels in HDA and NOT ketones measured in urine or breath. The blood ketone unit can be indicated as either mmol/L or mg/dL.

### 5.1 Blood ketone units

Blood ketone levels are indicated in HDA as mmol/L or mg/dL. When you enter a blood ketone level for the first time in HDA, the blood ketone unit must be chosen manually. Which unit you need to select depends on the blood ketone meter that you are using.



## 5.2 Blood ketone ranges

In HDA there is a minimum and a maximum limit for entering a blood ketone level.

The limit for entering a blood ketone level with the unit mmol/L is:

- minimum limit: 0.0 mmol/L
- maximum limit: 8.0 mmol/L

The limit for entering a blood ketone level with the unit mg/dL is:

- minimum limit: 0.0 mg/dL
- maximum limit: 83.33 mg/dL

When entering your blood ketone level, an attention message and reminder will appear depending on the blood ketone level you have entered.

The ranges for blood ketone levels and related attention messages and reminders can be seen below (table 5):

Table 5: Blood ketone values, definitions, attention messages and reminders

Blood ketone ranges	Definition	Action/Attention message	Reminder
0.0 mmol/L 0.0 mg/dL	Negative	You have a normal blood ketone value. No action needed.	No reminder
> 0.0 - 0.6 mmol/L > 0.0 - 6.25 mg/dL	Normal ketone level	You have a normal blood ketone value. No action needed.	No reminder
> 0.6 - 1.6 mmol/L > 6.25 - 16.67	Slightly increased ketone level	Your blood ketone value is slightly increased. We recommend that you test	We recommend that you remeasure blood ketones in 4-6 hours.

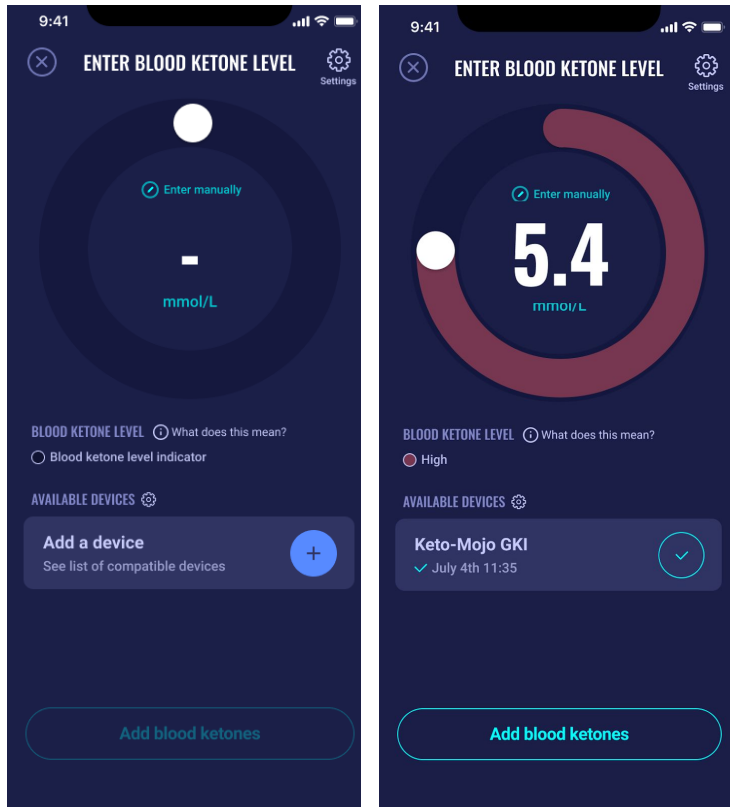
mg/dL		again in 4-6 hours to see if the value has lowered.*	
> 1.6 - 3.0 mmol/L > 16.67 - 31.25 mg/dL	High level of ketones	Your blood ketone value is high and could present a risk of diabetic ketoacidosis. We recommend that you test again in 3-4 hours.*	We recommend that you remeasure blood ketones in 3-4 hours.
2. time measured > 1.6 - 3.0 mmol/L within 12 hours 2. time measured > 16.67 - 31.25 mg/dL within 12 hours	High level of ketones	Your blood ketone value is still high and could present a risk of diabetic ketoacidosis. We advise you to contact your healthcare team for advice.*	We recommend that you remeasure blood ketones in 1-3 hours.
> 3.0 - 8.0 mmol/L > 31.25 - 83.33 mg/dL	Dangerous level of ketones	Your blood ketone value is very high which puts you at great risk of developing diabetic ketoacidosis. We recommend that you get immediate medical care.	We recommend that you remeasure blood ketones in 1 hour.

\*If you haven't entered your BGL, you will be reminded to measure your BGL and administer rapid-acting insulin accordingly.

## 5.3 How to log your blood ketone level in HDA

In HDA it is possible to add your blood ketone level to a separate screen titled 'Enter blood ketone level'. This screen can be found in the bottom of the screen 'Enter your current blood glucose level' screen where you enter your current BGL as a part of the insulin calculation (see section 3.6.3).

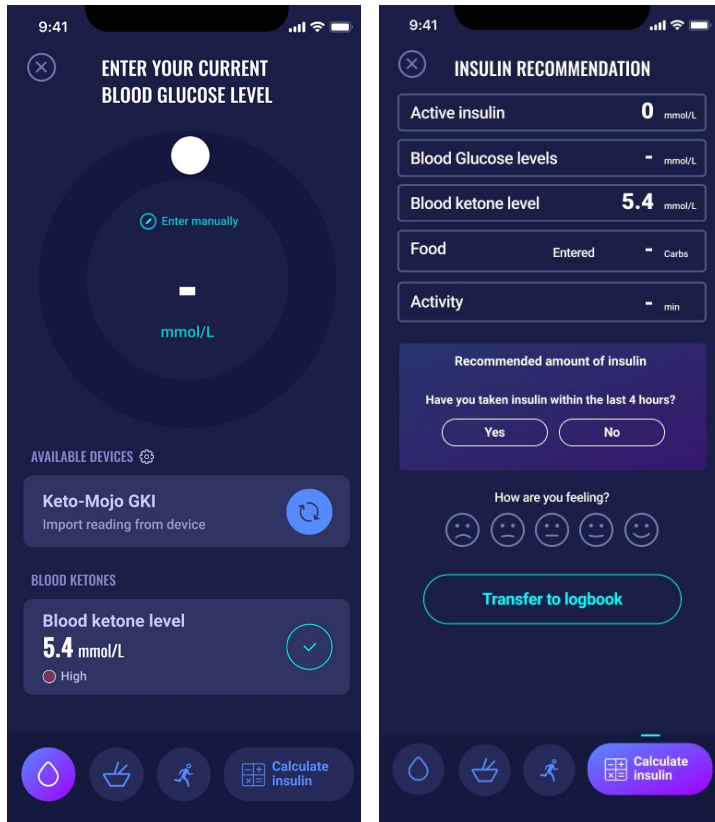
You can log your blood ketone level as a part of your insulin calculation flow or you can log your blood ketone level without making an insulin calculation by going to the screen 'Enter blood ketone level' screen and then add it to your logbook. To see how to log blood ketones levels only, see visual description below.



On the “Enter blood ketone level” screen, you can either enter your blood ketone level manually or connect with Keto-Mojo GKI device.


When you have entered the blood ketone level either manually or via Keto-Mojo GKI, then press “Add blood ketones” in the bottom of the screen.

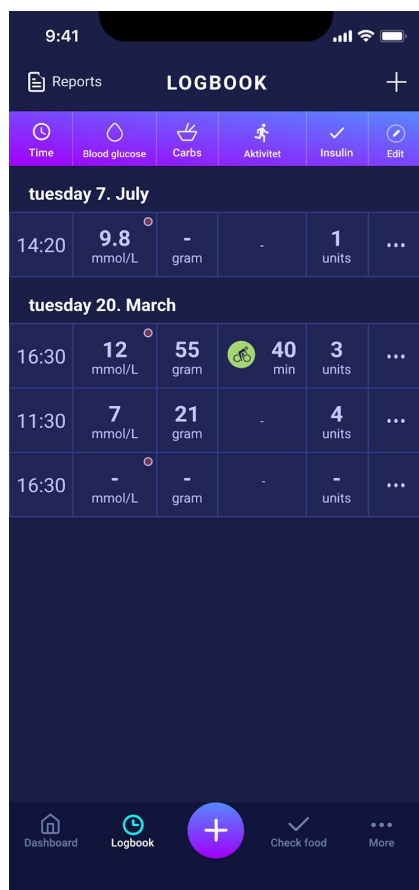




Now the blood ketone level is added on the “Enter your current blood glucose level” screen under “Blood ketones”. To log the blood ketone level only ,simply press the “Calculate insulin” button.

The blood ketone level will now be shown in the calculation as the only element. Press “Transfer to logbook” to add the blood ketone level to your logbook.

When you have logged your blood ketone level, you will be able to see a symbol (a coloured dot ) in your logbook next to your BGL. The colour of the symbol will also be an indicator of the ketone level.



LOGBOOK					
Time	Blood glucose	Carbs	Aktivitet	Insulin	Edit
tuesday 7. July					
14:20	9.8 mmol/L	- gram	-	1 units	...
tuesday 20. March					
16:30	12 mmol/L	55 gram	40 min	3 units	...
11:30	7 mmol/L	21 gram	-	4 units	...
16:30	- mmol/L	- gram	-	- units	...

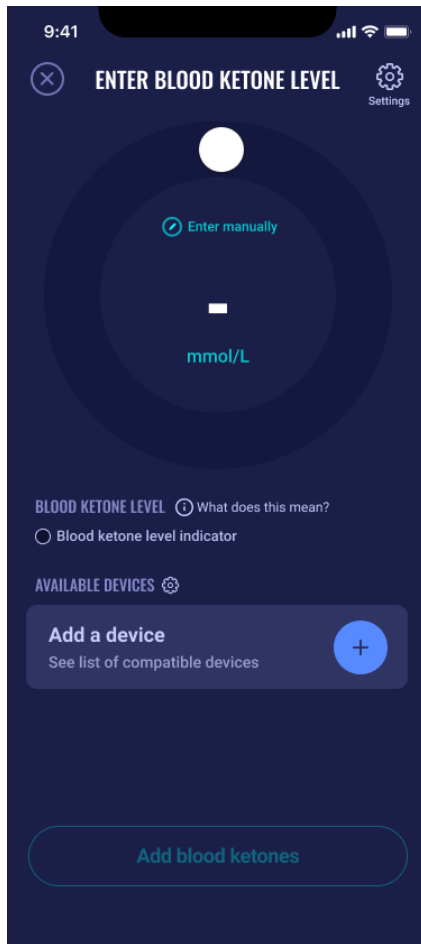
Your blood ketone entry will be marked with a colour which indicates the level of ketones in your blood. To see which level the different colours indicate, go to section 10.2.2.1.

### 5.3.1 How to setup and use Keto-Mojo GKI for blood ketone measurements in HDA via Bluetooth

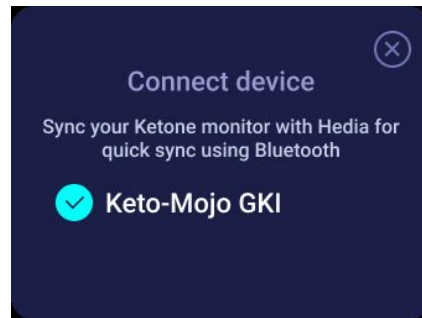
With Keto-Mojo GKI it is possible to measure both your BGL and your blood ketone level.

If you want to read more about how to set up and use Keto-Mojo GKI for measuring your BGL, see section 4.4.3.

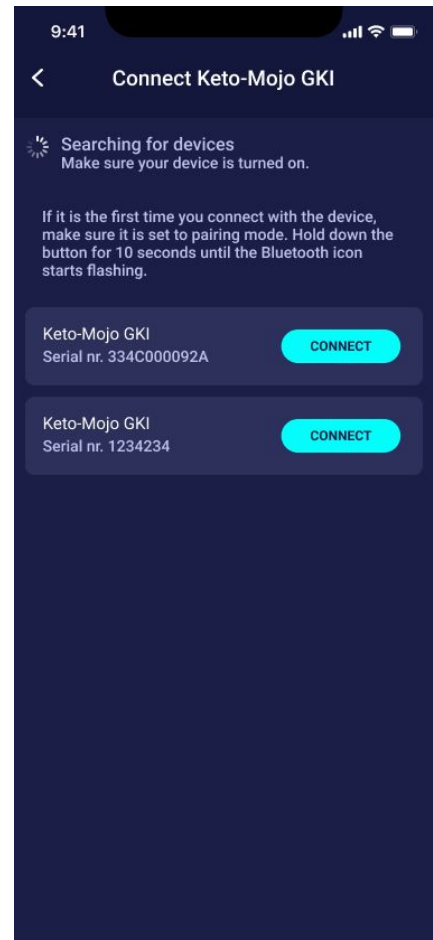
When you want to sync HDA with your Keto-Mojo GKI for measuring your blood ketone level, follow the guide below to set up your device.



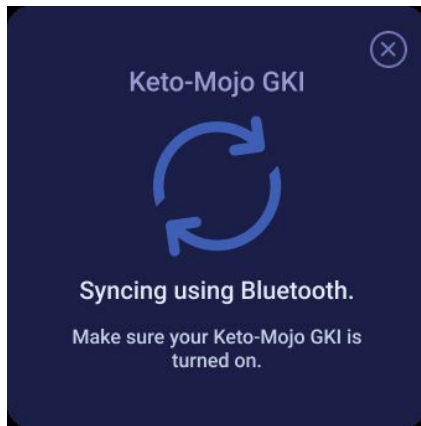
On the “Enter blood ketone level” screen, you can press “Connect new device” to start the setup.



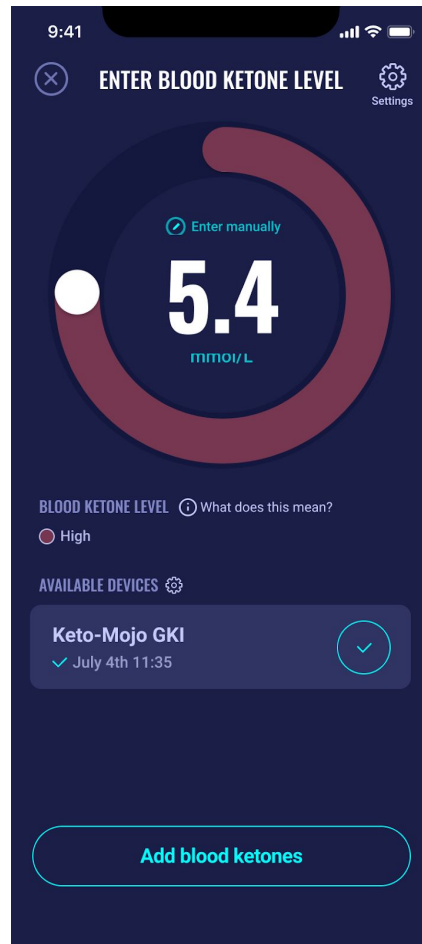
The supported device will appear on the screen. Tap on the desired device.



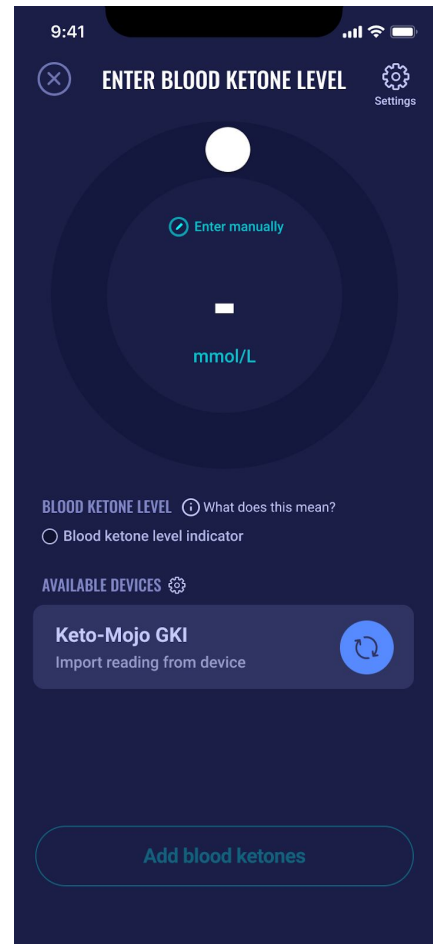
An info screen of the device and its connection type appears. HDA will start searching for the Keto-Mojo GKI device, if it's the first time, make sure it is in pairing mode. Hold down the button until the light turns blue, and it will appear on the list as shown above. Press connect. Tap “connect” and sync to pair device.



HDA will sync with the selected Keto-Mojo GKI using Bluetooth. Make sure your blood ketone reading is made within the last 60 minutes. HDA will add the latest reading which has been made within the last 60 minutes.



The latest reading from the device is now in HDA.



The added device is now default and available, and will sync using the "Import reading from device" button.

## 6. Food

In HDA carbohydrates are entered in grams, with no decimals, the same applies for carbohydrates recommended by HDA in case of hypoglycemia.

In HDA it is possible to:

- enter the amount of carbohydrates manually or
- choose one or more food items in the food database, where HDA will estimate what nutrients the food items contain, including carbohydrates (see section 5.3. Food database).

In HDA the limit for entering carbohydrates pr. meal is:

- low limit: 0 g of carbohydrates
- high limit: more than 300 g of carbohydrates

### 6.1. Subsequent meals

HDA calculates insulin for all meals entered based on the amount of carbohydrate you enter. If you eat more meals or snacks in a short period of time, HDA will add a meal dose for each meal.

### 6.1.1. Correction dose after a meal

It is important not to make corrections due to the increase in BGL that is expected to happen after a meal to avoid insulin stacking. This is because all carbohydrates from previously logged meals have already been taken into account in previous boluses and the appropriate amount of insulin to lower the BGL after the expected rise have already been recommended. Injecting more insulin would eventually lower your blood glucose too much. To avoid insulin stacking HDA takes active insulin into account in its calculations. To read more about active insulin, see section 6.1 active insulin.

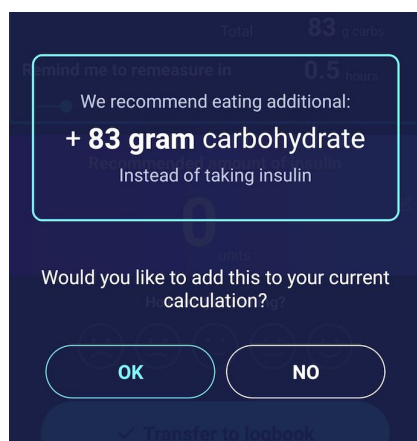
## 6.2. Carbohydrate suggestions

In case of low blood glucose (hypoglycaemia) HDA does not recommend insulin, but carbohydrates.

HDA recommends carbohydrates based on the following formula:

Carbohydrate = (Target BGL - Current BGL) / Insulin Sensitivity factor \* Insulin-to-carb ratio

The recommended amount of carbohydrates will appear on the 'insulin recommendation' screen, under 'food'.

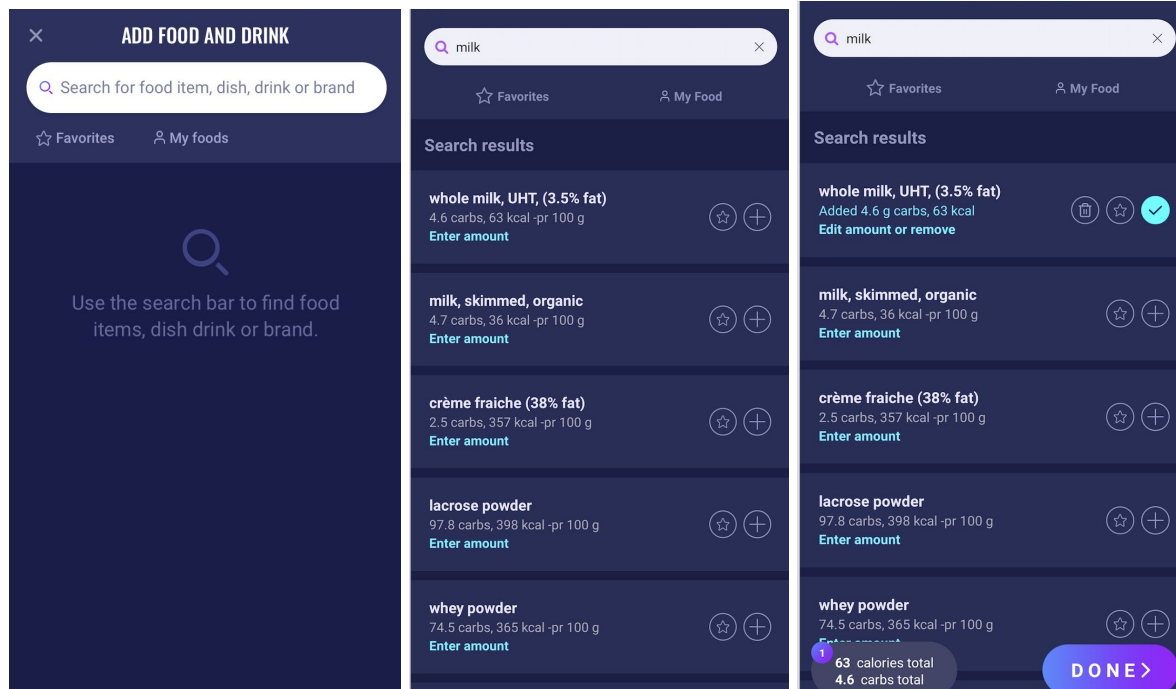


## 6.3. Food database

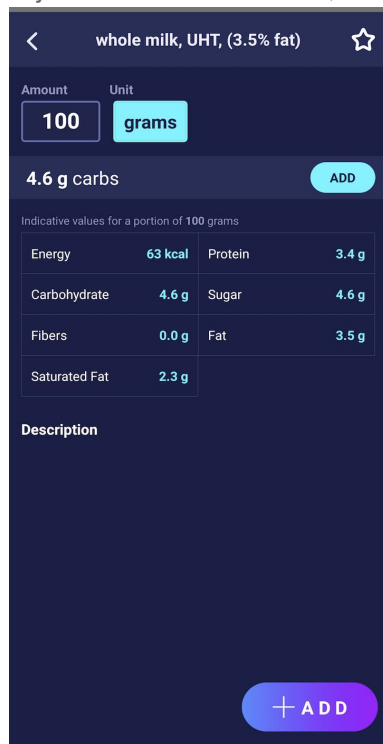
HDA has a built-in food database with 1700 food items. It can be accessed on the 'Food and Drinks' page in the insulin recommendation calculation flow.

### 6.3.1. Search for food items

Bottom menu shows currently selected amount of carbs and calories



Adjust amount of food item, the default amount unit is grams.

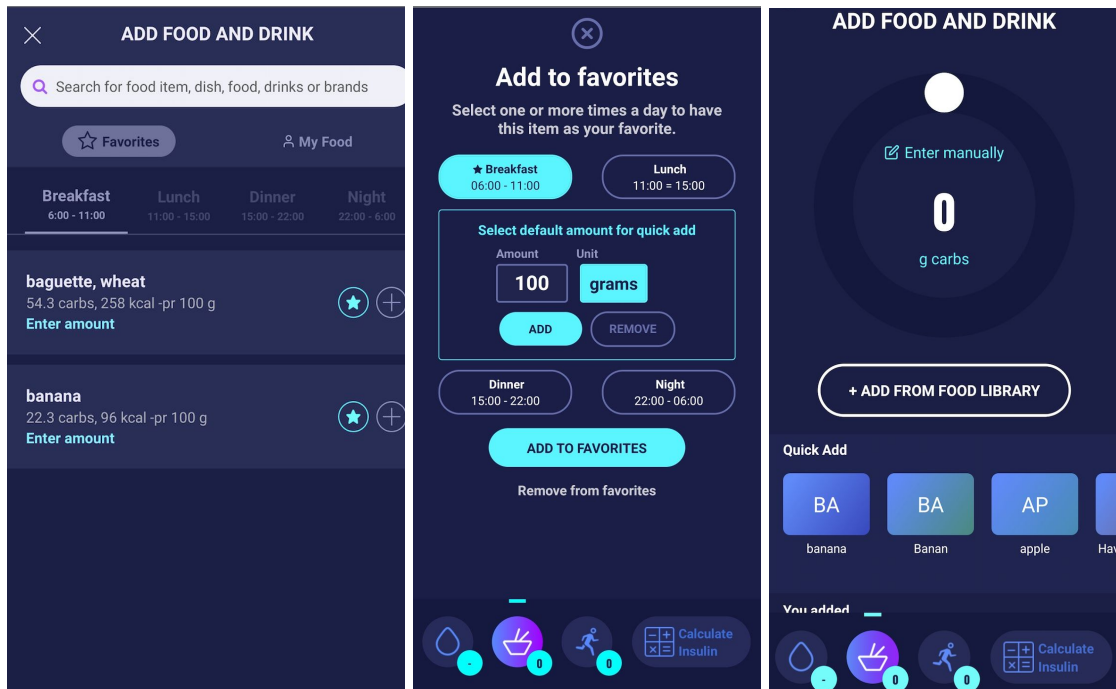


### 6.3.2. Favorites

Your meals will appear on the 'food' screen when you have added them as a favorite.

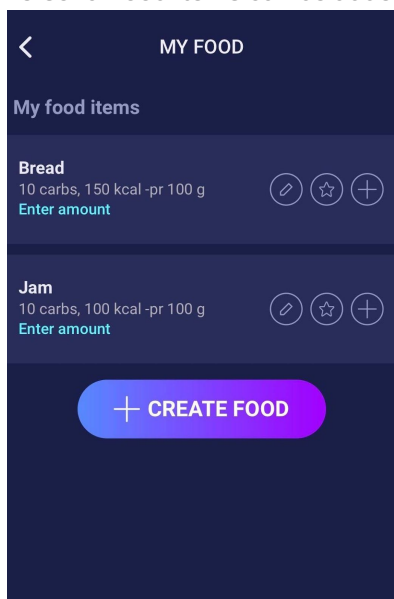
Favorites can be added to the intervals

- Breakfast 6:00-11:00
- Lunch 11:00 - 15:00
- Dinner 15:00 - 22:00
- Night 22:00 - 6:00



### 6.3.3. My food

Personal food items can be added under **My foods**



### 6.3.4. Create food

CREATE FOOD

Type

Food

Drink

Name (required)

ex. Mom's lasagna

Description (optional)

Write a short description

Total amount of carbs (optional)

Total amount of carbs in the dish

Total amount of kcal (optional)

Total amount of kcal in the dish

Fibers (optional)

Total amount of fibers

Saturated Fat (optional)

Total amount of saturated fat

Fat (optional)

Total amount of fat

Protein (optional)

Total amount of protein

CREATE FOOD

Description (optional)

Write a short description

Total amount of carbs (optional)

Total amount of carbs in the dish

Total amount of kcal (optional)

Total amount of kcal in the dish

Fibers (optional)

Total amount of fibers

Saturated Fat (optional)

Total amount of saturated fat

Fat (optional)

Total amount of fat

Protein (optional)

Total amount of protein

Sugar (optional)

Total amount of sugar



## 7. Insulin

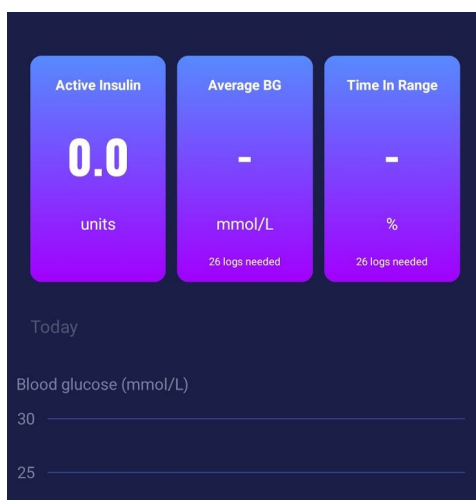
HDA's calculations are based on a rapid-acting insulin analogue. The 'Insulin recommendation' page in HDA shows the calculations for HDA's recommendations.

This calculation shows how many units of insulin HDA recommends. In addition, active insulin appears in the calculations. It is important that you as a user check HDA's calculations before approving a dose.

### 7.1. Active insulin

Active Insulin tells how many units of rapid-acting insulin are left in the body and still working. HDA automatically calculates the amount of active insulin and displays it on the dashboard and on the 'insulin recommendation' page. HDA takes into account active insulin in its calculations.

HDA uses the Novorapid curve for these calculations. The maximum plasma concentration of Novorapid is reached after 30-40 minutes (Ref. 3).



The effect on blood glucose concentration occurs 10-20 minutes after subcutaneous injection and is maximal between 1 and 3 hours. Duration is 3-5 hours, depending on dose (1). HDA's calculations thus look like this (table 6):

Table 6: Insulin effect curve

Insulin effect curve					
Time (hours)	1	2	3	4	5
Percentage (%)	29	47	19	5	0

The curve is furthermore divided into 4 x 15 min for the first hour and 2 x 30 min for the next 3 hours to make calculations based on the most precise amount of active insulin as possible (Ref. 3, 4).

If you have not documented any bolus insulin within the last 4 hours, HDA asks: *Have you taken rapid-acting insulin within the last 4 hours?* If yes, you are asked to enter the amount of rapid-acting insulin injected within the last 4 hours.

### 7.2. Maximum insulin dose

HDA is set with a limit on how much insulin the app recommends. This maximum is 50 units for one administration/in one dose. The limit also apply to manual entries and is a precautionary measure to avoid unintentionally large doses.

## 8. Activity

In HDA you can add your activity to the calculation of your insulin recommendation, either before or after an activity.



### 8.1. Activity levels in HDA and their effect

To rate your perceived exertion HDA uses “The Borg Rating of Perceived Exertion” which is a way of measuring your physical activity intensity level.

Perceived exertion is how hard you feel like your body is working. It is based on the physical sensations you experience during physical activity, including increased heart rate, increased respiration or breathing rate, increased sweating, and muscle fatigue. Although this is a subjective measure, your exertion rating may provide a fairly good estimate of your actual heart rate during physical activity.

Always consult your physician before beginning any activity. This general information is not intended to diagnose any medical condition or to replace your healthcare professional. Consult with your healthcare professional to design an appropriate exercise prescription. If you experience any pain or difficulty during activity, stop and consult your healthcare provider.

## 8.2. How HDA calculates the effect of activity

Table 7: Calculated effect of activity in HDA

	Intensity			
Duration	Light exercise	Medium exercise	Hard exercise	Post exercise
0-29 minutes	0 %	0 %	0 %	0 %
30-45 minutes	25 %	50 %	75 %	50 %
46-60 minutes	50 %	75 %	--- Tekst ---	50 %
More than 60 minutes	Consult healthcare professional			
Starting target BGL	9 mmol/L or 162 mg/dL			

## 8.3. Duration of activity

When using the activity module in HDA the circular slider can set the time spent on exercise up to 60 minutes.

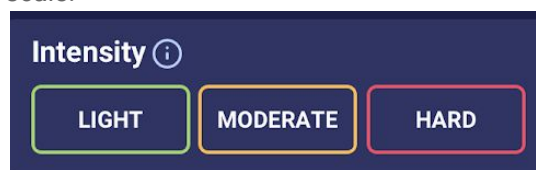
## 8.4. Type of activity

After setting the duration of your activity, you can add the type of activity you have performed. You do this by clicking on the icon below the circular slider.

## 8.5. Intensity of activity

The next step is to enter how intense your exercise is going to be/were. You do this by pushing “light, moderate or hard”. The chosen intensity enables the activity effect on the insulin algorithm.

Next to intensity you’ll see an “i” in a circle, push the icon for more information related to the use of the BORG scale.



## 8.6. Activity start, title and recommendation

When you add an activity, you can record when the activity is performed (“I am starting now” or “I have just finished”).

The added activity can then affect the calculations you make for up to 4 hours after the start time of the activity.

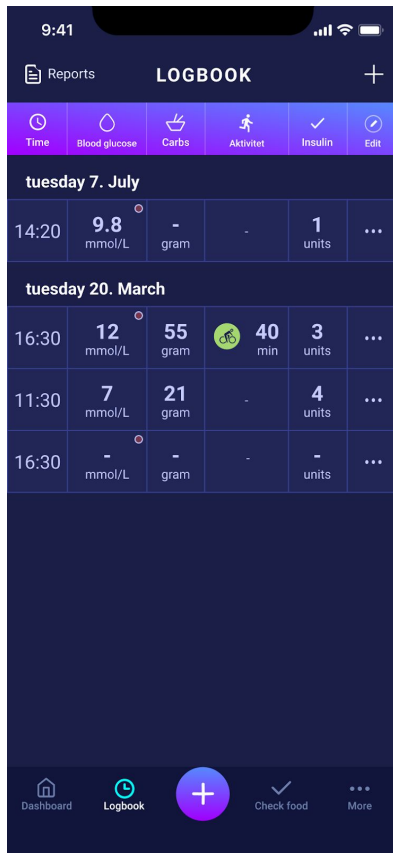
If you want to use the same activity in your subsequent calculations, this will be visible on the ‘activity’ page for 4 hours from the start time of the activity. The same activity can thus be selected in future calculations for 4 hours from the start time of the activity. Consequently, the effect of your activity in percentage can be deducted from your calculation 4 hours after you have been active.

Make sure to create a new activity if you are physically active again within the 4 hours, rather than re-selecting the old activity. This is important as the start time of your activity affects the percentage deducted from your calculation (see section 7.2 How HDA calculates the effect of activity).

## 9. Logbook

It is possible to access all of your entered data in your logbook and to;

- Export a PDF of your data
- Add a log
- Delete a log
- Edit a log



The screenshot shows the Hedia Logbook app interface. At the top, there's a status bar with the time 9:41 and signal/battery icons. Below that, a header bar contains 'Reports' and 'LOGBOOK' with a plus icon. A navigation bar below the header has icons for 'Time', 'Blood glucose', 'Carbs', 'Aktivitet', 'Insulin', and 'Edit'. The main content area shows a log entry for 'tuesday 7. July' at '14:20'. The entry details are: Blood glucose: 9.8 mmol/L, Carbs: -, Aktivitet: -, Insulin: 1 units. Below this, there's a section for 'tuesday 20. March' with three log entries: 16:30 (12 mmol/L, 55 gram, 40 min, 3 units), 11:30 (7 mmol/L, 21 gram, -, 4 units), and 16:30 (- mmol/L, - gram, -, - units). At the bottom, there's a navigation bar with icons for 'Dashboard', 'Logbook', a large plus icon, 'Check food', and 'More'.

tuesday 7. July					
14:20	9.8 mmol/L	- gram	-	1 units	...

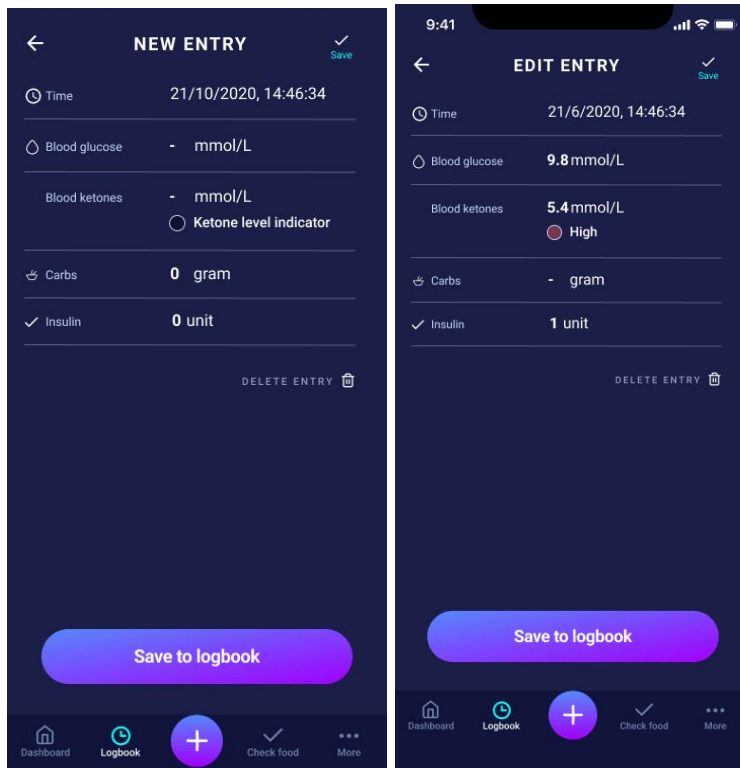
tuesday 20. March					
16:30	12 mmol/L	55 gram	40 min	3 units	...
11:30	7 mmol/L	21 gram	-	4 units	...
16:30	- mmol/L	- gram	-	- units	...

## 9.1. Edit and Create entry

It is possible to edit previous logbook entries and create new. If you edit or create new entries within 4 hours from current time HDA will calculate the remaining amount of active insulin and substrat it from your future calculations.

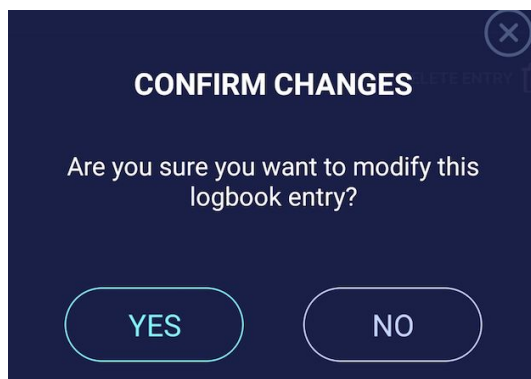
To edit an entry you tap on the desired logbook entry.

You create a new entry by pressing the (+) icon on the logbook screen (in the upper right corner).



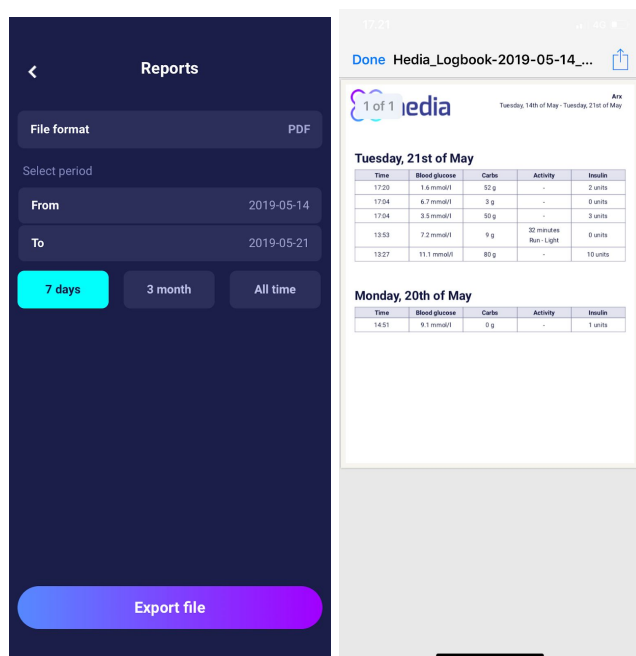
## 9.2. Edit entries less than 4 hours after logging

If you edit the parameters of a calculation in the logbook less than 4 hours after logging you are presented with the following pop-up. HDA needs this information to update your calculated active insulin for future calculations of your insulin recommendations.



## 9.3 Export logbook entries

By tapping Reports on Logbook, you can select the format and time frame for exporting your data. This report can be very useful to show your health professional at your next planned consultation.



The file can be sent with the built-in platforms in your phone.

# 10. Settings

Under settings, you have the option to change your settings for:

- your profile
- password
- turn notifications on or off
- blood glucose
- insulin-to-carb ratio
- insulin sensitivity factor
- activity
- food

## 10.1. Account Settings

### 10.1.1. Edit Profile

Under "Edit profile" you are able to input the following:

- First name
- Diabetes Type
- Gender
- Date of birth
- Height
- Weight

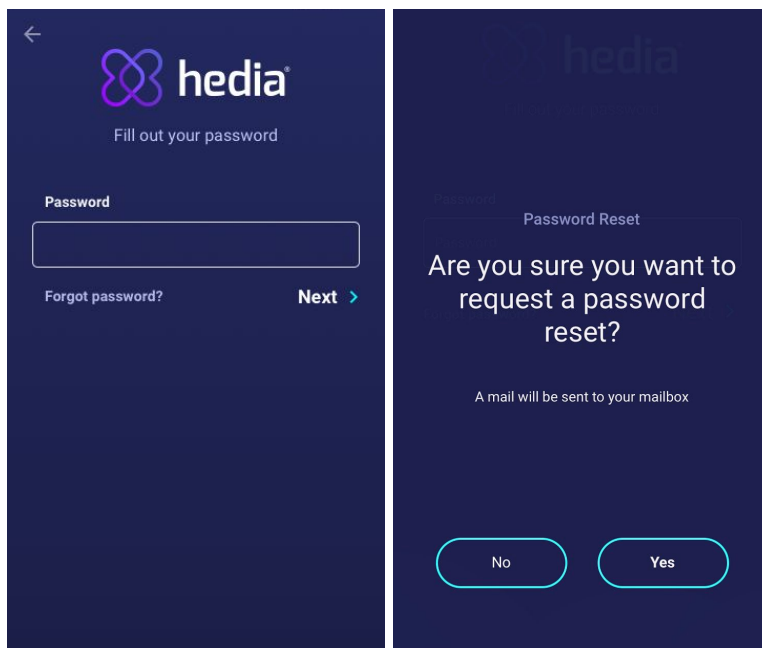
You can also change your data consent.

In HDA it is possible to type in a weight and height in profile settings, within the following limits:

- height: 50 cm - 220 cm, with a precision of 0.5 cm
- weight: 35 kg - 300 kg, with a precision of 0.1 kilo

### 10.1.2. Forgot password

If you have forgotten your password when signing in to HDA, you can tap the "Forgot Password" button and an email with instructions to reset your password will be sent to the email used to sign in.

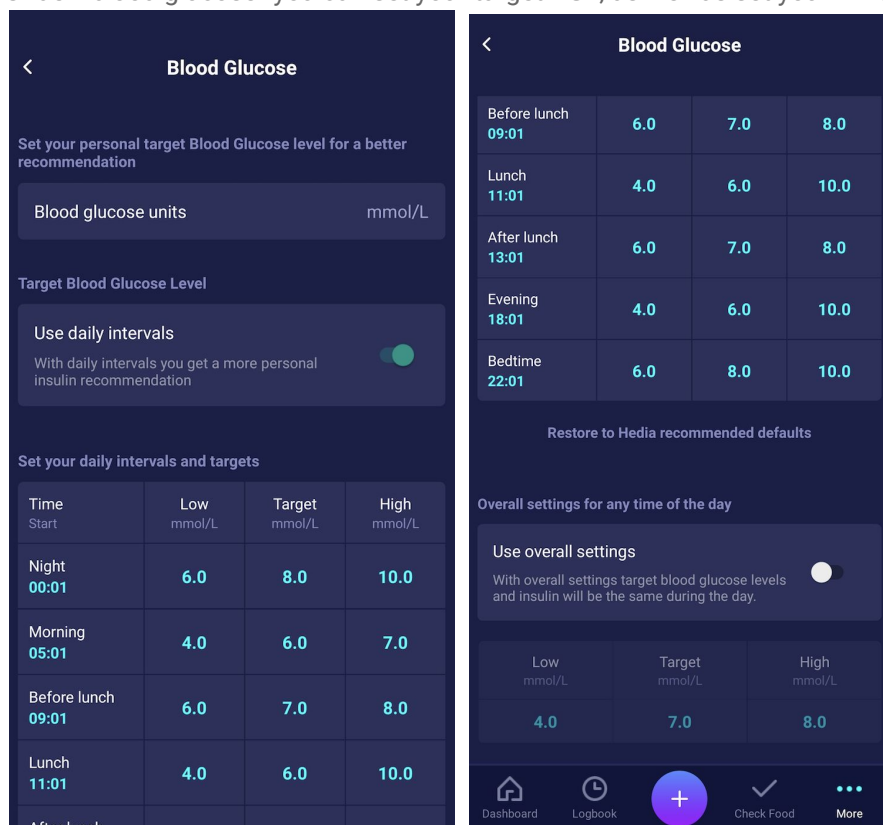


The image displays two screenshots from the Hedia mobile application. The first screenshot shows the 'Forgot password' screen, which includes the Hedia logo, the text 'Fill out your password', a password input field, a 'Forgot password?' link, and a 'Next' button. The second screenshot shows the 'Password Reset' confirmation screen, which includes the Hedia logo, the text 'Password Reset', the question 'Are you sure you want to request a password reset?', a statement 'A mail will be sent to your mailbox', and two buttons labeled 'No' and 'Yes'.

## 10.2. Personal Settings

### 10.2.1. Blood Glucose

Under "Blood Glucose" you can change the settings for your blood glucose and change blood glucose units. Under "blood glucose" you can set your target BGL, as well as set your limits for low and high blood glucose.



**Blood Glucose**

Set your personal target Blood Glucose level for a better recommendation

Blood glucose units: mmol/L

Target Blood Glucose Level

Use daily intervals: ☒ With daily intervals you get a more personal insulin recommendation

Set your daily intervals and targets

Time	Low mmol/L	Target mmol/L	High mmol/L
Night 00:01	6.0	8.0	10.0
Morning 05:01	4.0	6.0	7.0
Before lunch 09:01	6.0	7.0	8.0
Lunch 11:01	4.0	6.0	10.0
After lunch 13:01			
Evening 18:01			
Bedtime 22:01			

Restore to Hedia recommended defaults

Overall settings for any time of the day

Use overall settings: ☐ With overall settings target blood glucose levels and insulin will be the same during the day.

Low mmol/L	Target mmol/L	High mmol/L
4.0	7.0	8.0

Dashboard Logbook + Check Food More

In Blood Glucose settings you are able to adjust the desired BGL for 'low', 'target' and 'high' using:

- daily intervals or
- use overall settings

The default settings for daily intervals in HDA is divided into seven time periods throughout the day as seen below (table 8):

Table 8: Default settings for the seven time periods in HDA

No.	Time period	Time of day
1.	00:01 - 05:00	Night
2.	05:01 - 09:00	Morning
3.	09:01 - 11:00	Before lunch
4.	11:01 - 13:00	Lunch
5.	13:01 - 18:00	After lunch
6.	18:01 - 22:00	Evening
7.	22:01 - 00:00	Bedtime



**Default settings for blood glucose level for daily intervals divided into the seven time periods (table 9 and table 10):**

*Table 9: Default blood glucose units in mmol/L divided into the seven time periods.*

Period of time	Low BGL	Target BGL	High BGL
1. Night	6 mmol/L	8 mmol/L	10 mmol/L
2. Morning	4 mmol/L	6 mmol/L	7 mmol/L
3. Before lunch	6 mmol/L	7 mmol/L	8 mmol/L
4. Lunch	4 mmol/L	6 mmol/L	10 mmol/L
5. After lunch	6 mmol/L	7 mmol/L	8 mmol/L
6. Evening	4 mmol/L	6 mmol/L	10 mmol/L
7. Bedtime	6 mmol/L	8 mmol/L	10 mmol/L

*Table 10: Default blood glucose settings in mg/dL divided into the seven time periods.*

Period of time	Low BGL	Target BGL	High BGL
1. Night	108 mg/dL	144 mg/dL	180 mg/dL
2. Morning	72 mg/dL	108 mg/dL	126 mg/dL
3. Before lunch	108 mg/dL	126 mg/dL	144 mg/dL
4. Lunch	72 mg/dL	108 mg/dL	180 mg/dL
5. After lunch	108 mg/dL	126 mg/dL	144 mg/dL
6. Evening	72 mg/dL	108 mg/dL	180 mg/dL
7. Bedtime	108 mg/dL	144 mg/dL	180 mg/dL

**Default settings for blood glucose level for overall settings is seen below (table 11 and table 12):**

*Table 11: Default for overall settings for blood glucose units in mmol/L*

Low BGL	Target BGL	High BGL
<4 mmol/L	6 mmol/L	> 8 mmol/L

*Table 12: Default for overall settings for blood glucose units in mg/dL*

Low BGL	Target BGL	High BGL
< 72 mg/dL	108 mg/dL	> 144 mg/dL

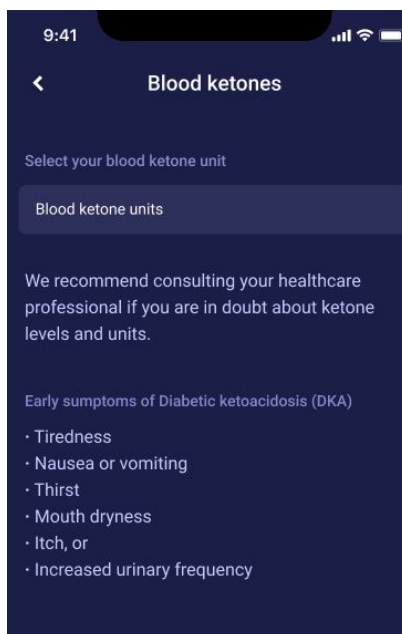
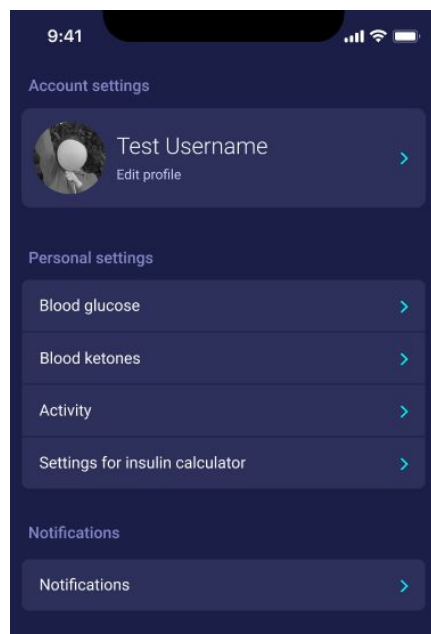
For safety and to minimize risks of hypoglycemia the limit for adjusting BGL values in the settings is (table 13):

Table 13: Limits for adjusting BGL values in HDA in mmol/L and mg/dL

Setting	Value
Low BGL minimum	3.0 mmol/L (54 mg/dL)
Low BGL maximum	6 mmol/L (108 mg/dL)
Target BGL minimum	5.0 mmol/L (90 mg/dL)
Target BGL maximum	13.9 mmol/L (250 mg/dL)
High BGL minimum	7.0 mmol/L (126 mg/dL)
High BGL maximum	20 mmol/L (360 mg/dL)

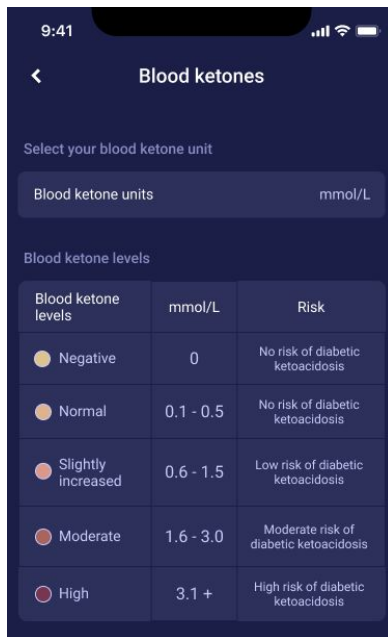
## 10.2.2. Blood Ketones

Under 'Personal settings' you can find settings for blood ketones where you can select and change your blood ketone unit. Under the settings for blood ketones you can also find information regarding ketones and diabetic ketoacidosis.



### 10.2.2.1 Blood ketone colour indicators

Your blood ketone entry will be marked with a colour which indicates the level of ketones in your blood. The different colours and respective ranges and risks related to the range of ketone levels is shown in this table under blood ketone settings and can be seen below. A light beige colour indicates a negative/normal blood ketone level with no/low risk of diabetic ketoacidosis and a dark red colour indicates a high level of blood ketones and a high risk of diabetic ketoacidosis.



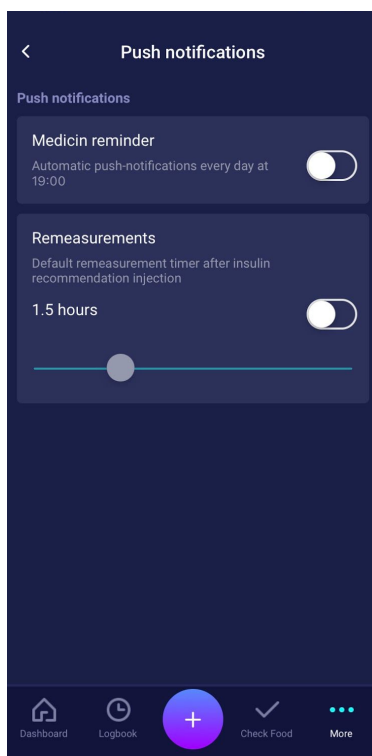
## 10.3. Notifications

### 10.3.1. Medicine reminder

You can activate and set a daily 'medicine reminder' with a custom time of day.

### 10.3.2. Remeasurements

You can activate and set the amount of hours from 0.5-6 for push-notification after insulin recommendation log. The default setting is 1.5 hours.



## 10.4. Activity

Under 'Activity' you can define the percentage, which will reduce your insulin recommendation as a percentage (%). This can be done for "light", "moderate" and "hard" intensity.

You can also set your activity target for your blood glucose during physical activity. The first time you use HDA, the default setting for your physical activity blood glucose target is 9.0 mmol/L (162 mg/dL). The limits for adjusting your activity target for physical activity in HDA are 5.0 mmol/L (90 mg/dL) - 13.9 mmol/L (250 mg/dL).

< **Activity**

We recommend consulting your healthcare professional to help you with personalised settings.

[Learn more about activity and insulin](#)

Your activity intensity will reduce your insulin recommendation in %.

Activity intensity	0-29 min	30-45 min	46-60 min
Light	0 %	25 %	50 %
Moderate	0 %	50 %	75 %
Hard	0 %	75 %	-
After	0 %	50 %	50 %

Restore to Hedra recommended defaults

Set your personal Blood Glucose target level during sports/ activity

Activity target 9.0 mmol/l

< **Activity**

[Learn more about activity and insulin](#)

Your activity intensity will reduce your insulin recommendation in %.

Activity intensity	0-29 min	30-45 min	46-60 min
Light	0 %	25 %	50 %
Moderate	0 %	50 %	75 %
Hard	0 %	75 %	-
After	0 %	50 %	50 %

Restore to Hedra recommended defaults

Set your personal Blood Glucose target level during sports/ activity

Activity target 9.0 mmol/l

Dashboard

Logbook

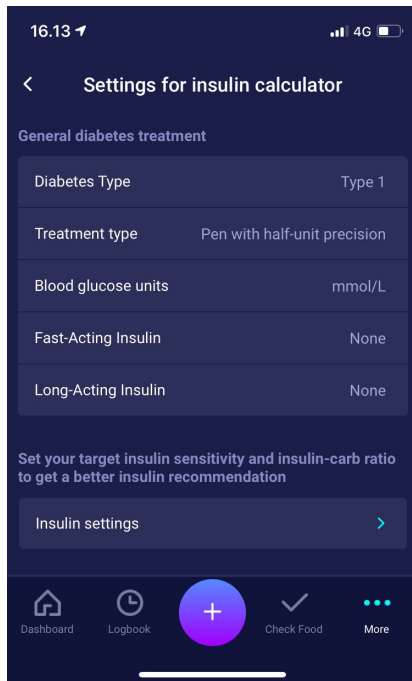
+

Check Food

More

## 10.5. Settings for Insulin Calculation

Under “Settings for insulin calculator” you can change your settings for your general diabetes treatment, change your insulin sensitivity factor and insulin-to-carb ratio and you have the opportunity to get help with the 500-rule and the 100/1800 -rule.



### 10.5.1 Treatment type

In HDA it is possible to choose between ‘pen’ or ‘pump’ as treatment type. When choosing ‘pen’ it is possible to choose between the following two unit precision options:

- pen with half-unit precision
- pen with whole-unit precision

When choosing pump it is possible to choose the following:

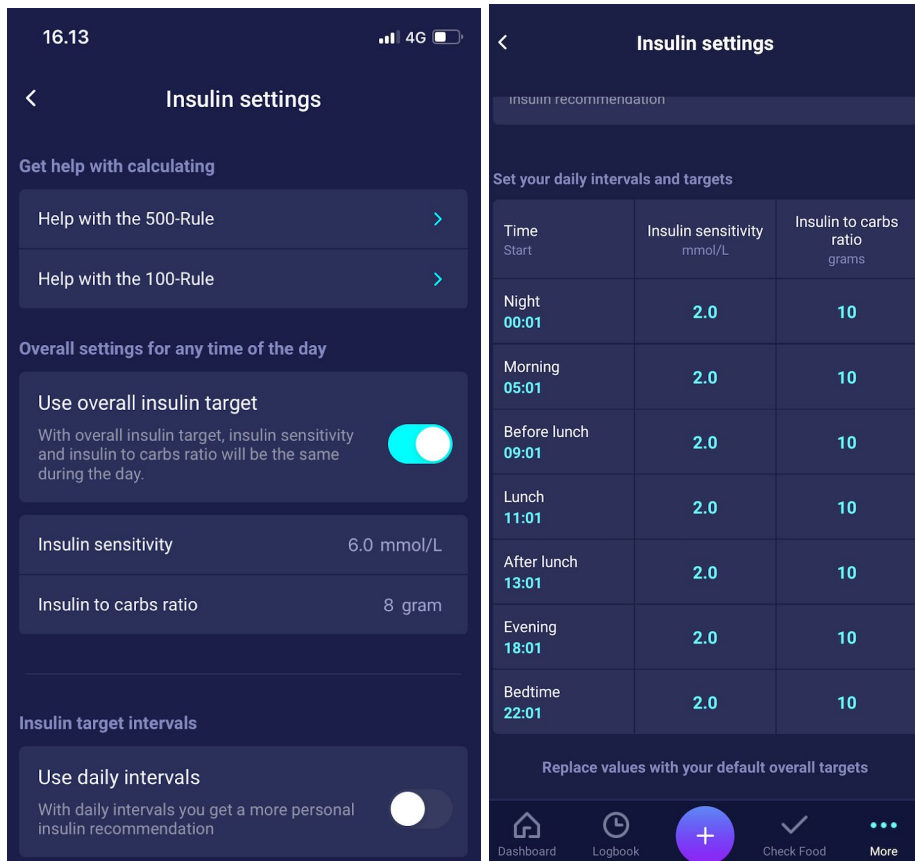
- pump with the precision of 1 decimal



## 10.5.2 Insulin settings

Under “Insulin settings” you can see your calculated insulin-to-carb ratio and insulin sensitivity factor. These settings are calculated based on your entries during your First Calculation Setup.

You have the ability to adjust your insulin-to-carb ratio and insulin sensitivity factor, within the limits of HDA (table 14: Limits for adjusting the insulin sensitivity factor and insulin-to-carb ratio).



In “Insulin settings” you can set your insulin settings for the day using:

- an overall setting for insulin sensitivity factor and insulin-to-carb ratio (use overall insulin target) or
- you can set your daily intervals for insulin sensitivity factor and insulin-to-carb ratio (use daily intervals)

Insulin sensitivity factor and insulin-to-carb ratio can be adjusted in insulin settings for both “Overall insulin settings” and for “Daily intervals”.

Table 14: Limits for adjusting the insulin sensitivity factor and insulin-to-carb ratio

	mmol/L	mg/dL
<b>Insulin sensitivity factor</b>	<ul style="list-style-type: none"> <li>• Minimum 0.3 mmol/L</li> <li>• Maximum 10 mmol/L</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum 1.5 mg/dL</li> <li>• Maximum 50 mg/dL</li> </ul>
<b>Insulin-to-carb ratio</b>	<ul style="list-style-type: none"> <li>• Minimum 1 g carbohydrates per unit of insulin</li> <li>• Maximum 50 g carbohydrates per unit of insulin</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum 1 g carbohydrates per unit of insulin</li> <li>• Maximum 50 g carbohydrates per unit of insulin</li> </ul>

When using “Daily intervals” both insulin sensitivity factor and insulin-to-carb ratio is the same for all seven time periods and is based on your settings from the log-in process.

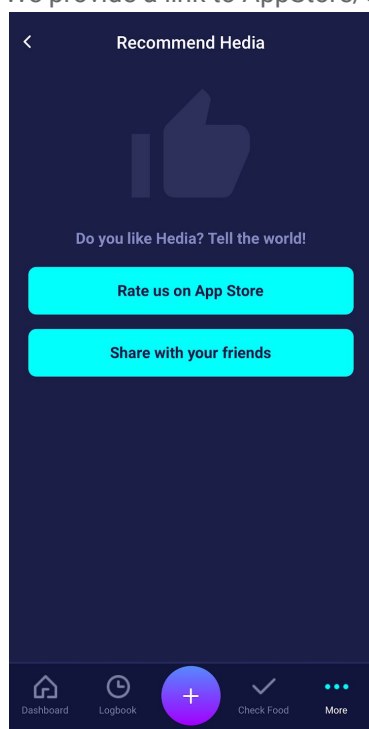
The default settings for daily intervals in HDA is divided into seven time periods throughout the day as seen below (table 15):

Table 15: Default settings for the seven periods in HDA

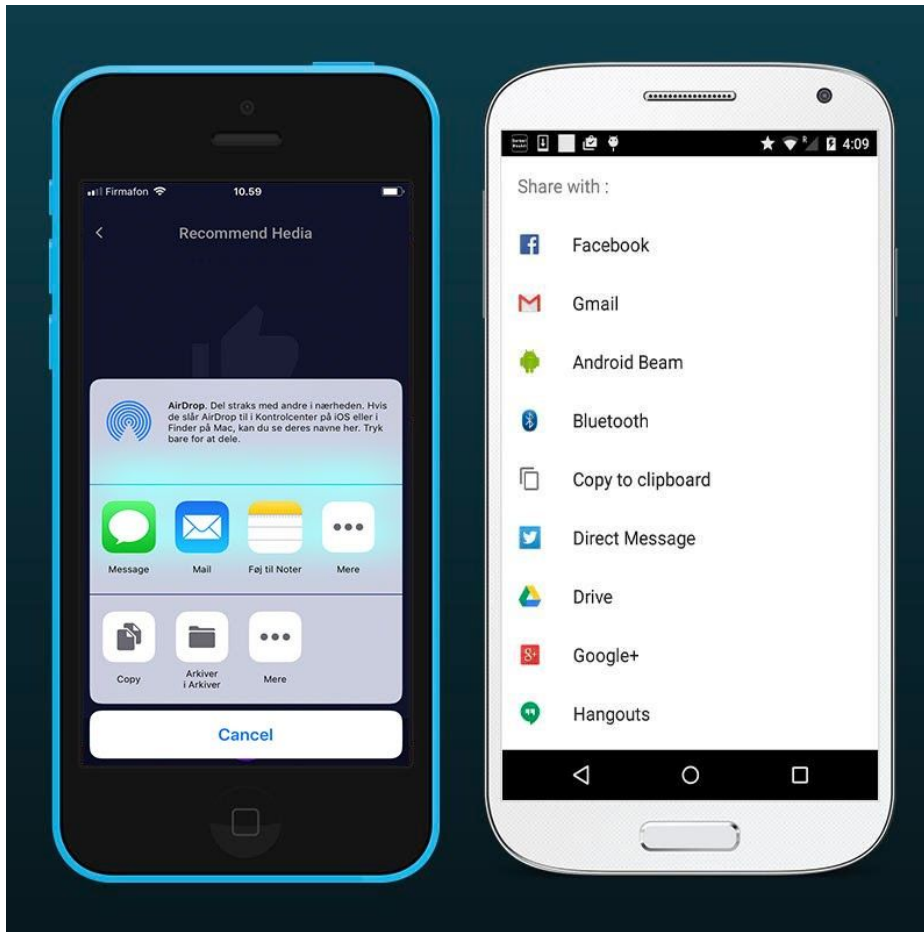
No.	Time period	Time of day
1.	00:01 - 05:00	Night
2.	05:01 - 09:00	Morning
3.	09:01 - 11:00	Before lunch
4.	11:01 - 13:00	Lunch
5.	13:01 - 18:00	After lunch
6.	18:01 - 22:00	Evening
7.	22:01 - 00:00	Bedtime

## 10.6. Recommend HDA

We provide a link to AppStore/Google Play to give a rating/review of HDA.

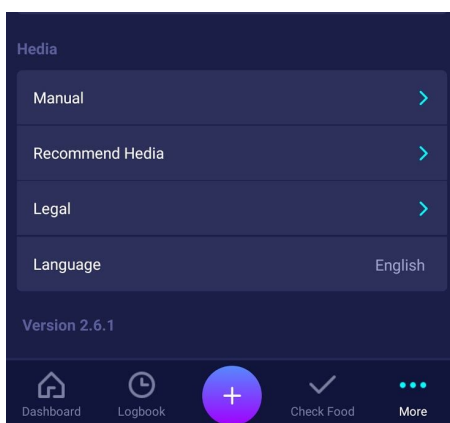


Additionally with the “Share with your friends” you can share a link to download HDA, using different apps on your phone.

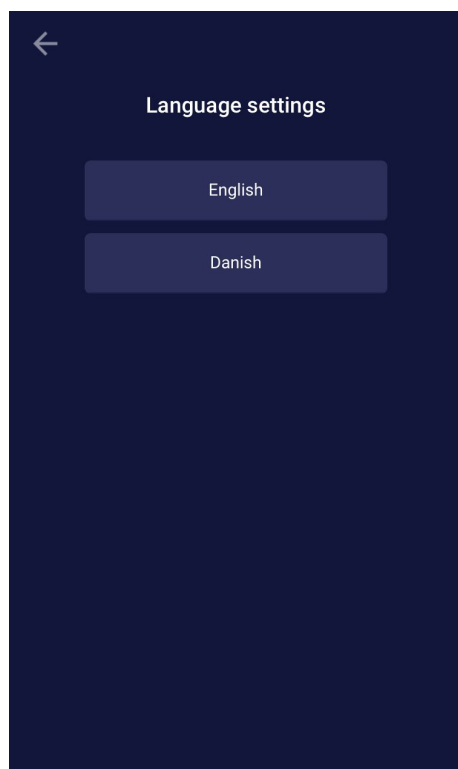


## 10.7. Change language

To change the language in HDA press the “Language” box under “More” to select the desired language.




















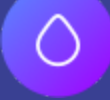







































# 11. Icons

HDA uses icons to make the app's design more manageable and user-friendly. In this section you can see an overview of the icons that HDA uses.

					
Attention	Info	Close	Back	Add	Close
					
Add log/insulin calculation	Check food	Logbook	More	Dashboard	Time
					
Add food item	Edit amount	Add favorite	Remove	0 1 2 3 CE Mark	Manual edit amount
					
Insulin calculation	Blood Glucose Level	Food/Carbs/calories	Activity	Sync BGL with device complete	Synchronizing with BGL device
					
Settings for BGL device	Walk	Run	Bike	Other	Swim
					
Mood - sad inactive	Mood - Semi sad inactive	Mood - neutral inactive	Mood - Semi happy inactive	Mood - Happy inactive	Recent food items
					
Mood - sad active	Mood - Semi sad active	Mood - neutral active	Mood - Semi happy active	Mood - Happy active	My food items
					
Favorite food item	Search	Date of manufacturer	Manufacturer	Reports	User Manual
					

Negative ketone level indicator	Normal ketone level indicator	Slightly increased ketone level indicator	Moderate ketone level indicator	High ketone level indicator	
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## 12. Support

You or your relatives can report errors or omissions by emailing us at [support@hedia.co](mailto:support@hedia.co). By reporting errors, you can help us provide more information about the safety and performance of this app, as well as ensure you and other users against errors.

For more information, please refer to our [Terms and Conditions](#)

## 13. Contact Information



Date of manufacture:  
2020-10-29



Manufacturer:  
Hedia ApS  
Fruebjergvej 3  
DK-2100 Copenhagen, Denmark  
CVR/VAT: 37664618

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Email: [support@hedia.co](mailto:support@hedia.co)  
Phone: +45 7174 1663

UDI-DI

GTIN (US): (01)05700002209511(10)2.9.0  
GTIN (Outside US): (01)05700002209511(8012)2.9.0



User Manual, Version. 2.9.0  
Issued: 2020-10-30

## 14. List of references

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4. RXed.eu - European prescription medicines info. NovoRapid (insulin aspart) - Package leaflet - A10AB05 [Internet]. RXed.eu. 2017 October 8 [cited 2020 January 14]. Available from: [https://rxed.eu/en/n/NovoRapid/5/#4\\_1\\_What\\_NovoRapid\\_is\\_and\\_what\\_it\\_is\\_used\\_for](https://rxed.eu/en/n/NovoRapid/5/#4_1_What_NovoRapid_is_and_what_it_is_used_for)