



April_2021

Contents

| 01 | Download and installation |
|----|-----------------------------|
| 02 | Create an account |
| 03 | Home screen |
| 04 | New Log |
| 05 | My Loogbook |
| 06 | Charts |
| 07 | Exercise |
| 08 | News |
| 09 | Menu |
| 10 | Profile and settings |
| 11 | Bolus Calculator |
| 12 | Bolus Record |
| 13 | Food list / Carb Calculator |
| 14 | Connect your device |
| 15 | My reports |
| 16 | My medical center |
| 17 | Support |

Social**Diabetes**

Annex

18



DIGITAL MANAGEMENT OF DIABETES

Description: Mobile application that helps people with the comprehensive management of diabetes and take control of their health, allowing you to keep track of the main factors that influence diabetes management such as glucose levels, medications, food and exercise; facilitating the management of data and parameters that people with diabetes must manage in their day to day, such as the calculation of insulin boluses.

Likewise, it allows communication in real time with the healthcare professional, who can have access to the recorded data, and thus have more information for a personalized treatment.

Expected use: Achieve better control of diabetes in patients and optimization of the health care of the professional who follows patients with diabetes.

The software is designed to improve diabetes selfmanagement, facilitating the management of parameters necessary to achieve better glycemic control.that influence diabetes management such as glucose levels, medications, food and exercise; facilitating the management of data and parameters that people with diabetes must manage in their day to day, such as the calculation of insulin boluses.

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02. Create account → Start.

Once you have installed the application on your device, tap on the SocialDiabetes icon to start it for the first time.

The first step after downloading SocialDiabetes is to create an account Username.

Start by pressing **"Let's start"** and continue a series of steps in which you must select the answers that are most adjust to your diabetes and treatment, just you need basic information about your diabetes.

Finally to conclude the creation user account you only need your email address.



You must select the options that best suit your treatment. You should select all those that apply to your particular diabetes.





To create an account, it will be necessary to accept the terms and conditions of use of the application. The terms and conditions regulate the relationship between SocialDiabetes and the user in relation to access to the content and services that we make available to you, and define your rights as a user. They can be consulted both from the web and from the application itself.



Choose a method to create an account





With SocialDiabetes you can monitor the care of the diabetes of your loved one.

If you are a father or mother with a child with diabetes or someone who monitor someone else's diabetes, you can follow the records, figures and alerts generated in SocialDiabetes from your mobile.

In this case you must both have installed the app on both phones and share the same user. Everything registration or movement made in a mobile will be reflected in the other mobile phone that has social diabetes with the same user.

You just need to activate the notifications on your mobile phone and you will receive notification every time the person with diabetes enter a control on your mobile phone, do something modification in the profile, settings and treatment.



Update settings notification on the website or from another device, for any change done in treatment section



Notification of new log registered in the other person's app

03. Home Screen.

The Home screen of the app is your diabetes control panel. It combines daily information with historical information and tells you important data such as your estimated glycated hemoglobin, the level of insulin in the body and the average glucose.

We cannot begin to estimate the glycated until we have 3 consecutive months of data with 3 daily controls. It is necessary to have a minimum of data to be able to make the estimation safely.





Today

- → Estimated glycosylated hemoglobin (HbA1C)
- Average glucose
- + Last check
- Amount of insulin, depending on the bolus calculator settings and the settings made after each new test



"Insulin on board" The units that you have worn today, marking the remnant

Average Glucose and Hypos



- → Average glucose in previous days
- → Average glucose in meals
- Hypoglycem in each meal

0±

You will notice that there is a second value, after the +- icon.

This is the standard deviation, indicating the degree of variability relative to the arithmetic mean, and helps to analyze your glycemic behavior beyond the values that the arithmetic average

| $\left(03\right)$ | |
|---|----------------------|
| Activity Da | ily goal: 6,000 |
| 0 0 Kilometres Steps | - Calories |
| Do not let more than two consecu days go by without performing an physical activity | |
| Next activity 30 min Walking | 03 _{Mar} |
| 6 du 🕂 x | * |

- How Km of distance traveled
- → Step count
- → Calories expended

→ Next programming activity to be performed

| 04 | |
|--|-------------------------|
| Insulin | Alarms |
| Basal insuli | |
| 25 units remai | ning Tomorrow, 09:30 |
| ^{25 u.} TOUJEO Solostar (Glargina) | 0 |
| Medication | Alarms |
| Next dose Tu GALVUSMET (Vildagliptina/n | Tomorrow, 14:30 |
| | |

→ Medication alarms and insulin configured.

You can mark the shot or application as done and it will be recorded in "My Logbook"

* This section you will only find in IOS system



 My Loogbook
 Access your digital history, the set of controls you have made with SocialDiabetes

→ Charts

View your information more easily and immediately

→ New Log

The most frequent action of the app, in which you record the blood glucose values and the carbohydrates you eat and receive insulin recommendations

→ Exercise

Displays information about physical activity such as steps, performed and scheduling of the next activity

→ News

Access the SocialDiabetes blog where you will find useful information about diabetes, care and news about SocialDiabetes



To have the record of steps need to link SocialDiabetes with its app exercise (Google fit, fit bit or Apple Health)

04. New log. By selecting the button +02 New log Activate an alarm if you think you are too you can access the menu with 17:08 - A Reminder ₩ 26/04/2021 high or too low and check your glucose the different registration Confirm the time of control again after a few minutes. The app will options available. set you an alarm automatically if your 03 glucose levels are out of range Select and add the registration category you want to do 05 Ú $\bigcirc 4$ Lunch Select and add the After Please confirm the corresponding registration category you meal time Bolus B want to do 0 Glucose 06 190 Enter blood glucose values, manually or using the built-in glucometer / meter X Food 45.0 Grams Check the carbohydrates you Medication Add your meal are going to eat 08 Schedule a reminder of the The carbohydrate value is predetermined based on insulin application More your settings saved in profile 🌽 Insulin Alarm - treatment - "meal times". Rapid 10 × HUMALOG (Lispro) In case you want to change Enter your insulin dose manually, or if the information because you you have configured the Bolus Calculator, Basal are going to eat a different amount of CH, add the new once the glucose and carbohydrates have been entered. Social Diabetes will suggest amount manually. the new recommended insulin dose You can record a control for bolus. automatically! glucose, meals or carbohydrates, Every time you make a data modification, press the calculator icon to recalculate medications, physical activity as the dose. well as your HbAlc, weight, blood → You can accept or decline the dose 09 pressure or ketones separately. 🖷 Remember Make combinations of categories Always remember to "Save" in a single record to make it the new control so that it is registered and can return more detailed, complete and to the main screen Remember to edit or delete a control you personalized must enter "My Logbook"

1 Important

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Bolus: If you have the Bolus Calculator configured, this option will appear at the beginning of your menu. When selected, it will take you to your bolus screen where you will have "Glucose, Food and Insulin" preselected by default.

🖑 Remember!

To edit or delete a control you must enter My Log.



Select the type of record you want to add.



Glucose

Record your blood glucose values, either manually or using the built-in glucometer / meter. Press "Save" to register your log



Food Write do

Write down the carbohydrates you are going to eat or document it graphically by adding a photo to your meals. Remember to always click "Save"



Insulin

If you use insulin, add it to your records. You can also add alarms so you don't forget them. Display the menu, choose the type of insulin and the corresponding units. Press "Save" to finish



Medicine

Select your medication, add it to the list next to the prescribed units and add an alarm to remind yourself to take it. Click "Save" to register



Exercise

3

If you have done any physical activity, write it down. Select the intensity and the minutes you did. Press "Save" to register your log



2

Alc Add the% gl

Add the% glycated hemoglobin from your last visit and keep track of your progress. Press "Save" to finish





Advanced Options

In this view you can select other categories within NewLog to combine and customize your records according to your needs.

In each section you will have the possibility to add more data. In the section "How do you feel?" you can select if you are tired, sick or relaxed among other options.

You can also add "tags" and "comments" to help you remember a particular event or incident that may have interfered with your diabetes.

| | How d | lo you feel? | | |
|-------|--------|----------------|----------|--|
| | | | \odot | |
| Нарру | Sed | Angry | Stressed | |
| | | | | |
| | | | | |
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| | | | | |
| | | T | | |
| | | Tags | | |
| #Work | | Tags | | |
| #Work | | Tags | | |
| #Work | Stresa | Tags mments | | |

Similar Logs

- → Blood glucose and carbohydrate controls ingested for the past 15 days, which resemble the values recorded at that time.
- The objective is to compare, and to help you determine the correct amount of insulin



Add menu

- → Take a photo of the plate of food you are about to eat
- → Add the title you want, as well as the amount of carbohydrates
- Once the control is saved, the photograph will be saved along with the other data and will be part of your digital notebook that you access from My Logbook



05. My Logbook. 4 My logbook Icon to filter Filter by February 2021 💌 All the logs saved are shown here. information Use the calendar to see the Friday 05 Average glucose: 126 mg/dL → You can edit the content and even day you want to consult 03 erase a complete log 0 16:30 Lunch After Daily average glucose (Daglet) Glucose values are classified by colors: 210 #2 04 Easily identify the type of Red if you are in hyperglycemia (above the control with the icons for range defined in configuration) each category Check the comments Green Normoglycemia 14:20 Lunch Before what did you add 06 (within target range) When using the "add 115 \$55. 15. menu" option in New Hypoglycemic blue 16:30 Lunch Ans Control, the photos you (below the range defined in settings) HUMALOG (Lispro) take are saved here Comments 00 Work Stress 14:20 Weight 07 4:20 Lunch in 65.2xm Edit the content or clear the logbook 12:05 Glucose only How do you feel? 65 9 130/95mmlig Ours 09:02 Breakfast Before 09 9 150/93mmHg 60BPM You will be able to see 08 the registered insulin and 06:30 Breakfast seture medication name 113 #10. @1. The icon above the figure indicates that the glucose data has been sent by a device linked by bluetooth, and therefore this data cannot be altered

minimum data to perform the estimate safely.

06. Charts. Glucose patterns Average daily Glucose patterns Average daily Gluce glucose Visualize your data and do glucose Glucose Average track your diabetes with patterns Daily the help of our charts Glucose Detect your glucose patterns Show your Select the category of records throughout the mean glucose 400 hours of the day 240 that you are interested in seeing and standard 210 → Select the date range 300 deviation dav 180 150 by day → Download the image 200 120 → Share (mail, message, chat, 90 60 Bluetooth, save as file) 30 27 01 30 01 02 02 05 02 08 02 11 02 14 02 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Standard deviation All Download button Percentile 25-75 Percentile 10-90 Average Note: On iOS devices you will see the following icons to view in full screen or share: Blood Suga **Glucose Range** :ose per meal Blood pres g Glucose Glucose per meal Levels Time in Glucose rage (TIR) per Meal Show your A pie chart showing glucose mean glucose grouped by rank and standard 200 deviation at A Important each meal 150 126 Very low: 0 (0.0%) 121 -+ Low: 0 (0.0%) 100 We can't begin to estimate Normal: 2 (50.0%) glycated up to 3 months Vening Tack High: 1 (25.0%) followed by data with 3 controls newspapers. It is necessary to have a Very high: 1 (25.0%)



07. Exercise.

Remember that exercise is a fundamental pillar in the management of your diabetes.

You can set your exercise practice schedule as well as your daily step goal.

It is necessary to do this configuration to be able to visualize your step count in the app, as well as to link Social Diabetes with your health app (GoogleFit, Apple Health)





In settings is where you must activate the link for the step registration



→ Continue filling in the questionnaire as appropriate and press next to go to a new screen





8

per day

- → The configuration will be saved to be able to give you a reminder of your next practice of exercise and report your step goal. It will always be possible make changes to setting by pressing gear icon
- → SocialDiabetes establishes the days of practice gradually, increasing little by little until reaching the goal of days marked in your configuration

Activity in home screen



→ On your main screen you will see your next day of activity to make





→ The activity done will be marked in blue on your programed activity calendar

08. News.

In the news section you will enter the SocialDiabetes blog, where you can find valuable information about diabetes and care for the proper management of your diabetes, with topics on diet, exercise and how to improve your diabetes management.

You will also find information on Social Diabetes technology and its functionalities; as well as stories about other people living with diabetes like you.



Information about Covid-19

We have enabled a channel of information about the virus crown, you can access this channel from the application using the News button (bottom right) or by going directly to c blog

| ÷ | SocialDiabetes | |
|---|---|--|
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| | | |
| A | BOUT SOCIALDIABETES V X EN X DIABETES TREATMENT V | |
| | REAL STORIES In the second state of the second | |
| | | |
| | landing digital solution for diabetee segment, process that it has a collaboration agreement with | |

09. Menu.

From the menu you can configure **your personal information** and app settings. To guarantee optimal performance of SocialDiabetes, it is important that this information is up-to-date and complete.

For example, if you want to customize glucose ranges beyond the standard levels, here you can edit the settings and save the values that best suit your diabetes.

Also from the menu you can generate complete reports of your records, contact your healthcare professional, link your measuring devices and technical assistance on the operation of the application.



10. Profile and Settings.

Shape fill correct the profile and you personal settings.

It is essential that as a user of SocialDiabetes have all this information configured and updated in every moment. The more data let us have better recommendations you will!

1 Important

If you are a father or mother with a child with diabetes (or someone who monitors diabetes from a third party), you can activate notifications on your mobile phone. You will receive a notification every time the person with diabetes enters a control on their mobile phone. In this case you both must have installed the app and share the same user. Any registration or movement made on a mobile phone will be reflected on the other mobile that has SocialDiabetes with the same user.

| 0 | Treatment Customize the app according to your needs |
|----|---|
| 88 | Bolus Calculator Use the Bolus Calculator |
| ¢ | Carb Calculator Check the Carbs of food |
| Q | Food list Food and carbs |
| 0 | Connect your device Connect Bluetooth devices |
| 9 | My Reports Data, guidelines and trends in PDF |
| + | My medical center 30 Talk and chat with your doctors |
| Q | Support Report your doubts or incidents |
| Le | egal notice 🗸 |
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| Body Mass Index | Your BMI is Overweight | | | | | |
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ary depending on your otions can include:

- Wear
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- Apple Health Data

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| Voice? | |
| GPS Location? | |
| Use dark mode? (System based) | |
| Apple Health Integration | Edit |
| Import data from Apple Health | Synnize |
| My Siri Shortcuts | Edit |
| Change pass | word |
| | |
| 🥌 Recue | rda |
| | gs screen where the password of ialDiabetes |



In the "Treatment" section you can select and edit the information related to characteristics of your diabetes and your treatment, as you your care and / or data change over time





11. Bolus Calculator.

The **SmartBolusCalculator** is a fundamental element of Social Diabetes, created to calculate and recommend the best dose of insulin or **bolus**, either for an intake or a glucose correction.

The bolus (rapid insulin dose) will cover the glucose generated by the consumption of carbohydrates in food and / or to correct high glucose levels that are off target.

If you have a guideline given by your healthcare professional, you will need to have the **glycemic target, the factor sensitivity, the ratio of insulinhydrates carbon,** and the amount of carbohydrates that normally you take at every meal.

If you don't have them, SocialDiabetes can calculate everything for you.













summary of your bolus calculator, which you can edit whenever you require, as well as turn it off or on

OK

If your answer is **"No"** or **"I'm not sure"** SocialDiabetes will do the calculation for you



| Total daily insulin | dose | ? |
|---------------------|-----------------|-----|
| Dose | 30 Units | ÷ |
| Fast-acting insuli | n | 1 |
| Name | Lispro (rápida) | * |
| Duration | 6.0 Hours | - |
| Use insulin decin | nals No | ÷ |
| Units | | (9) |
| Glucose | mg/dL | * |
| Carbohydrates | Grams | • |
| | ext | |

→ Enter your total insulin dose that you apply, including basal or slow and fast

| - | Bolus Calculator | ~ |
|---------------------------|------------------------|-----------|
| Summary | | |
| Fast-actin | g insulin | |
| Lispro (ráp | ida) | 6.0 Hours |
| Blood Glue | cose Target | |
| 100 - 120 00:00 - 00: | | |
| Insulin ser | nsitivity factor (ISF) | |
| 60 mg/dl 00:00 - 00: | | |
| Carbohydr | ate/insulin ratio | |
| 15.00 Grar 00:00 - 00: | | |
| | | |
| | Save | |

→ Once configured, you will always be able to see the summary of your bolus calculator, which you can edit whenever you require, as well as turn it off or on

12. Bolus log.

If you have the bolus calculator configured and enabled, the bolus icon appears in th<u>e menu</u>



Selecting **Bolo** will always activate the categories of "glucose", "food" and "insulin", necessary for the calculation; If you do a glucose correction and there is no carbohydrate intake, just turn off the food icon.



The appropriate bolus dose will depend on several factors such as:

- → The glucose figure prior to the bolus application.
- → The expected glucose target.
- → The insulin-to-carbohydrate ratio and the amount of carbohydrates to be consumed.
- → The insulin sensitivity factor, which can vary throughout the day.
- Active insulin from previous boluses that are still within their period of action

| 0 | Y | # 2 | 1 | 6 |
|----|---------------------|---------------------------------------|------------|----|
| | Active I Correct | nsulin ion Bolus | 0.0 2.4 | l |
| 6 | insulin-t | o-carb ratio | 0.6 | |
| Be | Recomr | mended dose | | |
| l | | 3 units | | l |
| 5 | | Fast-acting insulin | | 50 |
| ł | \square | Decline dose | \square | ł |
| e. | | Accept dose | | ms |
| l | | not show the automa us calculation | itic | - |
| 12 | | | | |

Once glucose and carbohydrates have been entered, SocialDiabetes will show you the bolus calculation done, consisting of active insulin, correction bolus and carbohydrate bolus.

 $\ensuremath{\scriptstyle \rightarrow}$ You can accept or decline the dose

Every time you modify a data, press the calculator icon so that the calculator calculates the dose

→ In case you do not want to accept the dose, press "Decline dose" and the insulin dose field will not show any units. You can always add a value manually

13. Food list / Carb calculator.

SocialDiabetes helps you perform gram calculation or carbohydrate servings of your food, having your arrangement different bases food data from different geographic regions.



→ You will see the different options with the amount of carbohydrates that they provide in 100g of food

030

→ Save

1111

14. Connect your device.

SocialDiabetes can be connect with different bluetooth devices or NFC. Currently, we connect with:

- → Glucometers
- Continuous monitors
- Blood pressure monitors
- → Other sources

The connection process is different for each device.



characteristics or requirements of each device

port turned on



15. My Reports.

SocialDiabetes generates reports with all the data that you have registered in the app, to be able to see your statistics together, summarized and graphically.

SocialDiabetes helps you perform gram calculation or carbohydrate servings of your food, having your arrangement different bases food data from different geographic regions Format options:



- → PDF
 View by days
 Detail view
 View for meals
- Summarized PDF

→ Excel - Full Excel

→ CSV - CSV full Choose the period and format of the report. Generate the document what do you need

Now you can view, save or submit your check history

Report generated

| Summary | | | | Bolus calculator | |
|-----------------------------|---------------------|-----------------------------------|-------|------------------|-----------|
| Average readings by day: | 0.09 | Alc: | 0.00 | Target | |
| Average glucose: | 158 mg/dl | Rapid-acting average per day: | 4 u. | 00:00 - 07:00 | 130 - 150 |
| Standard deviation: | 57 mg/dl | Long-acting average per day: | 19 u. | 07:00 - 21:00 | 100 - 130 |
| | | | | 21:00 - 00:00 | 130 - 150 |
| | | 13% | | ISF | |
| Average steps per day: | 3288 | Times in range mg/dl | | 00:00 - 05:00 | 40 |
| Average hydrates by day: | 39 g | > 250 | | 05:00 - 10:00 | 30 |
| Last weight record: | 65.2 kg | > 150 | | 10:00 - 00:00 | 40 |
| Last blood pressure record: | 106/68 mm/Hg | < 80 | | Ratio | |
| | | < 50 | | 00:00 - 00:00 | 1.25 |
| Rapid insulin: N/A | Drugs | Exercise guideline: Ves | | | |
| Basal insulin: N/A | AMARYL (Glimepirida | 2mg): 1 u. Mon Target steps: 6000 | | | |
| Bolo Calculator? No | | | | | |

🗂 Tip

Send your reports to your healthcare professional before your consultation. If you want to be followed up remotely, you can also invite them to be part of the SocialDiabetes platform

16. My medical center.

If you want your healthcare professional to be able to monitor your diabetes remotely and adjust your medical regimen, activate the SocialDiabetes doctor-patient connection:



The healthcare professional must access the SocialDiabetes website and register as a user

www.socialdiabetes.com

→ To access

The professional can link a patient directly or share the QR with the patient

in person or via mail

02



If your medical center is already linked, click on connect and it will ask you to scan a QR code that your health personnel had previously shared with you.



17. Support.

For questions or doubts techniques please write to us: soporte@socialdiabetes.com

Visit our channel from Youtube to watch tutorials for each function described in this guide.

In case you have questions on relative clinical information to diabetes or your treatment in particular, please consult with your healthcare professional.

| ← He | lp us improve |
|-------|--|
| | |
| | Help us improve |
| worki | SocialDiabetes we're constantly ng to improve your user experience. n touch with us and we will get back to you as soon as possible |
| C | Report a problem |
| C | Suggest an improvement |
| C | Visit Support Site |
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18. Annex.

April_2021

I. Notifications, Icons, Colors.

| | Element | Screen | Description |
|-----------|--------------------------------|---|---|
| () | Notification | Lock screen or notification banner of your smartphone | Social Diabetes notification symbol received on your smartphone |
| 0 | Treatment / settings update | Lock screen or notification banner of your smartphone | Notification of treatment or settings update, each time you modify data in "profile and settings", "bolus calculator", "alarms", "device pairing", link in "my medical center". |
| ٠ | Alarm # 1 | New control (insulin) | Insulin application or medication reminder |
| • | Alarm # 2 (reminder) | New control (medication) | Reminder that alerts you to check your blood glucose after a while (15, 30, 45, 60, 75, 90, 105, 120 minutes). It can be activated by you manually or activated by SocialDiabetes in case you are outside the normoglycemic range (according to your own ranges): → Hyperglycemia: warning in 60 minutes → Hypoglycemia: warning every 15 min |
| | Padlock | New glucose control | The blood glucose data has been sent directly by an integrated glucometer, without any manual interaction |
| | Colors | Main Screen and My Logbook | Red (above the range defined in your configuration) Blue (below the range defined in your configuration) Green (within the range defined in your configuration) |
| | Enable / Disable | Treatment Settings Bolus calculator Units | Activate or deactivate a functionality, or mark characteristics of your treatment and diabetes |
| | Calendar | My Logbook New registration | Find the day or date you want to review your controls or make a new registration |
| Ó | Photo | New Logbook | Take a photo of the food and it will be automatically saved in your controls along with the rest of the data (blood glucose, carbohydrates, and others) |
| | Scanner | Food List | Scan a barcode and add a new food to your database |
| ¢ | Configuration / settings | Bolus calculator In OIS system: Profile and Settings, Treatment, Alarms | Access to different menus to modify settings or adjustments of parameters and characteristics of your diabetes |

II. Terminology.

| Element | Description |
|---------------------------------------|--|
| Bolus Calculator | It allows for the adjustment of the rapid insulin dose based on your needs at every moment |
| Similar Control | Similar logs to the one you are carrying out now, in the past 15 days, with regards to two values: your blood glucose and the ingested carbs |
| Decimals (Configuration) | If you use servings instead of grams, you can use decimals foryour carb count You can also activate the use of decimals in the insulin dose |
| Standard Deviation | Glucose variability indicator, which is used to complement the values provided by the mean. The higher the standard deviation, the more fluctuation of glucose values you have had during that period of time |
| Sensibility Factor | The reducing effect that one unit of insulin has in your blood sugar levels |
| Glycosylated Hemoglobin (HbA1c) | HbAlc is the fraction of hemoglobin (red blood cells) that has glucose adhered to it. It is an indicator of the degree of control of the patient with diabetes. A higher index of Alc reflects a higher level of blood glucose and thus a higher risk of complications for the patient |

| Element | Description |
|-------------------------|---|
| Hyperglycemia | The blood glucose level rises above your specified range |
| Hypoglycemia | The blood glucose level falls below your specified range |
| New Log | The screen where you carry out your daily checks in SocialDiabetes. It can be a complete control (glucose, carbohydrates, insulin, exercise) or a record of the data that interests you at that moment. Saved logs are automatically archived in My Logbook |
| Blood Glucose Target | Your desired glucose level after each meal |
| Blood sugar ranges | Blood sugar levels within which the patient is recommended to remain for the longest possible time |
| Carbs/Insulin Ratio | The carb servings covered by each insulin unit |
| Time Slots | 24 hours divided into several strips that adjust to your meals. They must add 24 hours continuously, without leaving any time between section and section, so that the bolus is configured correctly |



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