User Manual



Diabetes Management System

Ver 10.10.x

For AgaMatrix Customer Care please contact:

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Caution: Please read all the instructions in this User Manual before using ALLY.

Manufacturer: METEDA S.r.l. (METEDA) Via Antonio Bosio 2 – 00161 Roma – Italy <u>Product Name</u>: ALLY <u>Version:</u> 10.10

Distributor:

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Symbols explanation:

2022	Manufacturer
CE ₀₀₅₁	This product fulfils the requirements of the European Directive 93/42/EEC on medical devices

SYMBOLS

SYMBOLS RELATED TO DOCUMENTATION



WARNING. Read carefully. FAILURE TO OBSERVE THE FOLLOWING INDICATIONS MAY RESULT IN THE MALFUNCTION OF THE DEVICE AND / OR INJURY TO THE PATIENT.

SYMBOLS RELATED TO THE DEVICE



Company name and full address of the Manufacturer: METEDA Srl The year of production of the medical device is shown at the bottom of the symbol



Device complying with the requirements established by the EC directive 93/42 and subsequent modifications (Medical Device in Class IIa) as certified by the Notified Body coded as 0051 (IMQ s.p.a.).

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Introduction

ALLY is an innovative platform that offers support for the management of patients with diabetes. AgaMatrix ALLY:

- Saves time by enabling the Healthcare Professional (HCP) to focus on meaningful information which optimises the decision-making process.
- Aids quicker intervention by allowing remote assessment of blood glucose results so that a patient of concern can be identified and treated quicklyto help prevent long-term health complications.
- Helps to prioritise patients so those who have poorer diabetes control receive clinic time and those that are doing well can continue without the inconvenience of a clinic appointment interrupting their daily routine.
- Increases patient satisfaction since clinic appointments can be a source of frustration and stress, especially for patients who manage their diabetes well and do not need to be seen as frequently.
- Enables remote management of patients when face-to-face consultations are not possible, e.g. due to geographical distance or social distancing rules.

ALLY allows HCPs to download data effortlessly from supported devices, store the data in a database and easily analyse the information obtained through reports and graphs.

1. Intended use

ALLY is a diabetes management system, designed to store and process clinical and self-monitoring data, for the management of patients with diabetes.

ALLY displays a wide range of data on patients, shown with symbols, colours, codes and graphs.

ALLY allows manual data entry and, also interfaces with other devices (blood glucose meters, mobile phones etc.) to download, store, process and revise the clinical data.

ALLY is a modular system that supports the HCP to review and optimise the therapy for patients. This is accomplished by storing registered data and allowing its optimal and prompt use.

ALLY is designed to be used by HCPs.

2. Disclaimer

This document is intended for HCPs with a good knowledge of procedures and specific medical terminology. Before using ALLY, please read this User Manual and all information carefully.

The use of ALLY by any person other than the intended recipients, for any purpose or application other than that specified in the User Manual, or failure to comply with any of the instructions, will be considered IMPROPER USE.

AGAMATRIX and METEDA will not be held responsible for any incorrect user settings.

IMPORTANT: It is recommended that the HCP computer is kept up to date with the latest security software.

3. Minimum system requirements

The functionality of the application is guaranteed by the following system requirements:

Client hardware and software requirements

ALLY client is supported by computers with Intel Pentium Dual Core 2Ghz processors (2.4 Ghz recommended) and newer (or compatible) processors with at least 4 Gb of RAM and at least 1 Gb of free disk space.

ALLY is compatible with Windows XP sp3 or later (Windows 10 or later recommended) with Framework .NET version 4.0 or later (4.5.2 recommended).

The monitor must have a minimum resolution of 1024 x 768 pixels (1280 x 800 pixels are recommended).

4. Which blood glucose meters can be downloaded to ALLY?

Data from the AgaMatrix WaveSense JAZZ and WaveSense JAZZ Wireless meters can be downloaded to the ALLY Blood Glucose Monitoring System. The WaveSense JAZZ Wireless meter requires the use of the AgaMatrix Diabetes Manager app to transfer data to ALLY Home.



IMPORTANT: Please use only the AgaMatrix cable to connect your WaveSense JAZZ meter to ALLY.

When the device is connected to the computer, the functions are disabled. Do not perform a blood glucose test whilst the device is connected to the computer.

5. How to install ALLY

Download the installation file from the link provided by AGAMATRIX. Call AgaMatrix Customer Care if you have questions. Click on 'launch' to complete installation. When the software installation is complete, the software starts automatically.

6. Login

To access ALLY a User Account is required. The Site Administrator is required to create User Accounts for all members of staff that will use ALLY in the Site.



Once a User Profile has been set up ALLY can be accessed by entering the 'User Name' and 'Password', in the following screen:

7. Navigating ALLY

The ALLY interface is easy to understand and navigate.

This section of the manual will demonstrate how to navigate through the main functions of the software.

The software displays data for diabetes management in a single screen using symbols, colours and graphics in order to:

- Help focus on significant diabetes information to support the HCP in deciding how to manage therapy and provide the best possible care to patients
- Reduce information overload and save time, helping to provide the knowledge needed to optimise the clinical decision-making process whilst prioritising patients by need

HCPs have the following main functions available:

- Menus visible when accessing ALLY
- Menus visible after selecting a patient
- General functions

7.1 Menus visible when accessing ALLY



'ALL PATIENTS' - Displays the list of patients registered in the software

'TELEHEALTH PATIENTS' - Displays the list of patients activated with ALLY Home or AgaMatrix Diabetes Manager integrations (see chapter 8.3)

'USERS' - Displays the module containing the list of registered users in ALLY (visible only to administrator users)

'STATISTICS' - Displays statistics and graphs to assist the interpretation of data.

7.2 Menus visible after selecting a patient

ALL PATIENTS TELEHEALTH PATIENTS DASHBOARD DATA MANAGEMENT MEDICAL HISTORY TEST RESULTS TREATMENT STATISTICS USERS STATISTICS USERS A data a d

'DASHBOARD' - Useful for examining the general status of patients and easily identifying areas that need attention

'DATA MANAGEMENT' - For the review and management of patient self-monitoring data, viewable in graphs. The software allows an HCP to choose from five types of data reports to help identify data trends: 'Daily Trend', 'Modal Day', 'Modal Week', 'Modal Meals' and 'Logbook'. In this module blood glucose data from compatible devices can be downloaded, with the function 'Device download', and the blood glucose target for the patient viewed and updated.

'MEDICAL HISTORY' - Displays the medical history of the selected patient

'TEST RESULTS' - View and record the results of laboratory tests

'TREATMENT' - Verify and update the therapy prescribed to the patient;

7.3 General functions

The following general functions are available on the right side of the blue navigation bar:

- View of the current page in full screen;
- Print the current page;
- Management and customise software settings.

8. Patients

The 'ALL PATIENTS' module allows viewing and managing the list of patients registered in the Site's ALLY database.

tient List					
NHS Search	First Name	Last Name	Gender	Date of Birth	NHS ID
tient arch by first name, last n	Alicia	Davies	Female	18/05/1986	453242343243
ler search options	Jack	Patel	Male	12/02/1979	42236565465
o in closed folders	Betty	Robinson	Female	16/02/1994	878678678768
	Amelia	Wright	Female	01/01/1934	678678768768
Search	Olivia	Thompson	Female	08/09/1982	645622626262
	Emily	Evans	Female	07/04/1981	626562624567
	Charlie	Walker	Male	01/01/1960	735673883838
	Ava	Roberts	Female	14/01/1980	386868356868
	Jacob	Cook	Female	14/01/1980	543145145135
	John	Collins	Male	01/01/1941	265652556526
	Victoria	Kelly	Female	01/01/1976	265426256565
	Anthony	Scott	Male	30/12/1990	625656547727
	Jessica	Miller	Female	01/01/1980	726666547556

The search for patients, who are already registered, can be performed in two different ways:

- Patientsearch: search by last name and/or first name. This search finds patients that are already listed within the Site's ALLY system.

- NHS Search: this function allows the HCP to carry out a search entering First Name, Last Name, Date of Birth and NHS ID. This search finds any patient that is listed within the ALLY cloud.

To run the NHS Search, click on

atients L	ist		
NHS Sear	ch		
Last name			
Last name			
First name			
inschante			
First name			
First name			
First name NHS ID NHS ID			
First name			
First name NHS ID NHS ID Date of birth			

IMPORTANT: All the search fields must be filled to perform the 'NHS Search'.

NHS Search

Based on the search criteria, the system will display the results.

The results table can include different fields related to personal data, contacts, contact details, health data and other details.

To graphically customise the information displayed in the patient list, click the 'Show application settings' icon 🔅 then 'Visible Fields' of the 'Personal data'. This will access the complete list of viewable details.

Click on the title of each column to display an arrow that A allows the HCP to change the data display order.

By clicking on the columns title and dragging them, it is possible to change the order (of the columns) in the patient list.

ALL PATIENTS TELEHEALTH PATIENTS					STATISTICS USERS 5
Patient List					
NHS Search	First Name	Last Name	Gender	Date of Birth	NHS ID
Patient Search by first name, last n					
Folder search options Also in closed folders ~					
Search					

Changes made to the layout will be saved when exiting the software. The changes apply only to the current user.

To add a new patient, click the **button** present in the 'ALL PATIENTS' module.

The system will display a page composed of several tabs as shown in the following image:

Patient ID: 00000	00				_ □	×
Personal Details	Contacts	Clinical studies	Telemonitoring	Download data		
* First Name		First Name	*	Last name	Last name	
* Gender		\bigcirc Female \bigcirc Male	*	Date of Birth	Select a date	5
* NHS ID		NHS ID	*	Data processing cons	ent 🗸	
Folder Closure			~ A	ddress	Address	
Date of creation:						
Cancel					Save	

When adding a new patient, it is necessary to fill the mandatory fields marked with an asterisk (*) which are 'First Name', 'Last Name', 'Gender', 'Date of Birth', 'NHS ID', 'Site' and tick the 'Data processing consent' box.

At the end, click the **Save** button to store the entered data in the database. The system will automatically close the window and select the new patient created.

The **cancel** button is also present in the data entry window of a new patient which, if pressed, will close the window without storing the entered data.

The system alerts the HCP to the registration of a patient with the same name as an already registered patient. When clicking on the save button, a warning message will be displayed:



By clicking the 'OK' button, it will save the additional patient with the same name and surname in the database.

8.1 Modify personal data

To modify the personal data associated with a recorded patient, search for the patient and click on the line corresponding to the name in order to select the patient and click on 'Personal data' or 'Edit':

L PATIENTS TELEHEALTH PATIEN	rs dash	BOARD DATA MANAG	SEMENT MEDICAL HISTORY TES	T RESULTS TREATMENT		STATISTICS USERS	53
Ada 💄 Edit					ӌ Chat 🖌 FollowU	1. Personal Data 👖 Reminder	٠
Patient List							
NHS Search		First Name	Last Name	Gender	Date of Birth	NHS ID	
Patient Search by first name, last n		Alicia	Davies	Male	01/01/2000	123456787	^
Folder search options		Jack	Patel	Female	04/07/1991	4323423234243	
Also in closed folders \checkmark		Betty	Robinson	Female	14/07/1995	243233423	
Search		Amelia	Wrigh	Female	16/06/1994	12432342	

The window, with the previously stored data of the selected patient, will open. After making the necessary changes, the HCP will need to click the 'Save' button.

The 'Personal data' button shown on the right of the menu, highlighted in the previous image, is visible in all the modules of the software for quick access to the personal data.

The tab 'Download data', included on the 'Personal data' window, lists the connected device details for the selected patients. Specifically, it shows the device brand, model, serial number and date of last download.

Julia Collins Patient ID: 0001171						_ 🗆 ×
Personal Details	Contacts	Clinical studies	Telemonitoring	Download data		
Connected de	vices		De	vice	~	Show all downloads
Brand name		Model		Serial Number	r	Date
AgaMatrix		Jazz		CUCC27YF2040	099	20/10/2021
Agamatrix Jazz COCC2/11/204099 Z0/10/2021 Date of creation: 19/10/2021 Last change: 20/10/2021 12:15, Collins Julia Cancel Print Save						

The following information is displayed:

- DEVICE: a drop-down list with the devices you have downloaded data from.
- CONNECTED DEVICES: shows the brand, model, serial number and download date of the selected device.
- Toggle between Show last downloads and Show all downloads to see either the date of the last download and its associated meter or the entire list of meters and their associated last download dates.

To filter the devices listed click on Device .

8.2 Reminder

Select the patient that you want to set a reminder for, this will highlight the row and open the option to set the reminder. To add the reminder to the selected patient, click on the 'Reminder' button.

Add 2, Edit	DASHBOARD DATA MANAG	SEMENT MEDICAL HISTORY TES	T RESULTS TREATMENT	🖓 Chat 🖌 FollowUp	STATISTICS USERS	∷ ⊜ ¢
Patient List						
NHS Search	First Name	Last Name	Gender	Date of Birth	NHS ID	
Patient Search by first name, last n	Alicia	Davies	Female	18/05/1986	453242343243	^
Folder search options	Jack	Patel	Male	12/02/1979	42236565465	
Also in closed folders \checkmark	Betty	Robinson	Female	16/02/1994	878678678768	
Search	Amelia	Wright	Female	01/01/1934	678678768768	
	Olivia	Thompson	Female	08/09/1982	645622626262	

The software will open a window as in the example image below that will allow the user to:

- Assign a level of importance to the recorded information. The states can be: No Value, Important, Medium, Normal
- Enter the reminder in the 'Text' field

By clicking the 'Cancel' button, the reminder will not be saved.

By clicking the 'Save' button, the text will be saved and editable for the rest of the day only.

The following day the inserted note will be displayed in the reminder history, under the 'Text' box, with the date and colour relative to the level of importance that was selected during the creation of the reminder.

Notes on Betty	Robinson(the note is re	eserved to the team and	d it is never printed) – 🗆 🗙
Note level:			
No value	✓ Important	Medium	Normal
Text			
Note to take further	blood tests		
Cancel			Save

The records of patients who have a registered note, will be marked with a document symbol that is colour-coded corresponding to the level of importance assigned to the note:

- No value
- Important
- Medium
- Normal

Below there is an example image showing patient reminder icons:

	Amelia	Wright	Female	01/01/1934	678678768768
	Olivia	Thompson	Female	08/09/1982	645622626262
E	Emily	Evans	Female	07/04/1981	626562624567
	Charlie	Walker	Male	01/01/1960	735673883838

8.3 ALLY Home and AgaMatrix Diabetes Manager - Activate and deactivate a patient account

ALLY allows the sharing of data with patients through ALLY Home and the AgaMatrix Diabetes Manager. ALLY Home is a PC software and AgaMatrix Diabetes Manager is a mobile application that allows patients to share their diabetes with their HCP.

To start receiving patient data, the HCP needs to activate the patient's account. Once the ALLY Home account for the patient is activated, HCPs will be able to receive data downloaded by the patient, and exchange messages.

To activate a patient already registered in ALLY, follow the steps below:

- Click on *L* Personal data on the navigation bar
- Click on the 'Telemonitoring' tab



• Click on the tile 'ALLY Home' or 'AgaMatrix Diabetes Manager' depending on which application the patient is using.

Ally Home		_ 🗆 X
E-mail	Confirm e-mail address	
Patient not active		
Cancel	Activate	Close

To start receiving data from the patient, enter their email address and click on the Activate button. A window asking the user to enter their login password will be displayed:

Password	- 🗆 ×							
To continue with this operation you must enter the current password								
Logged user: paul.smith@email.com								
Site: Test demo 10								
Password:								
Enter your password								
Cancel	Ok							

Enter the login password and then click 'OK'.

The patient will receive a welcome email including the link to access their ALLY Home account and the system will display the activation date.

Personal Details	Contacts	Clinical studies	Telemonitoring	Download data	
Ally Home Activation date: 7 Consent date: 19,					
ite of creation: 01/0 Cancel	1/1900		La	st change: 19/10/2021 Print	15:44, D'Antonio Claudia

Click the **Cancel** button in order to close the 'Personal Data' window without saving.

To deactivate a patient account, click on the **Disable** button displayed within the activation tile. To complete the deactivation, the HCP will be asked to enter their login password. Once a patient is deactivated the system displays the 'Deactivation date'.

A deactivated patient account can be reactivated by clicking Reactivate

8.3.1 How to manage connected TeleHealth Patients

Click on 'TeleHealth Patients' to show the patients connected via ALLY Home and/or AgaMatrix Diabetes Manager.



The list shows the patients information along with their status and 'last download' date.

To search for patients already registered and activated, type the patient's last name and/or first name in the search bar.

Based on the search criteria, the system will display the results as seen in the following image:

TeleHealth Patient	List						
ALLY Home AgaMat	rix Diabetes Manager						
earch by First Name, Last	Name, NHS ID	Dia	abetes Type		~		
N° NHS ID	First Name	Last Name	Date of birth	Diabetes Type	Last download	Patient status	\$
1 5452545245	Samantha	Chamberlain	08/09/1982	Type 2 diabetes		000000000	
452345245425	Alex	Watson	01/01/1956			0000000000	
-		Smith	01/01/1950	Tune 2 diabeter		880000800	

The 'Patient status' column (last column) contains symbols in different colours which match the side bar colours and symbols of the dashboard tiles. By pointing the mouse pointer on each symbol, you will see a tooltip with detailed information. The status is updated every time data is downloaded from a device or entered manually.

IMPORTANT: The patient status displays O information related to the last month of available data

The status icons are white \bigcirc if no data is available.

For details about colour coding and symbols refer to the Dashbord chapter (chapter 9).

Patients in the TeleHealth module are listed according to priority order in the 'Patient Status' column. The patients with the most red icons will be listed at the top, while the patients with the least red icons will be listed at the bottom.



To change the priority list, click on the 'Patient Status' title.

Click the 'Settings' icon to manage the the information included in the 'Patient Status' column.

Alarm indicator management	_ 🗆 X
Hidden Parameter	Visible Parameters/Sorting
	Glucose range BG Measurement HBGI LBGI ADRR Estimated HbA1c Hyperglycaemic Events Hypoglycaemic Events Coefficient of variation V
Cancel	Apply

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Select the item to hide from the 'Visible Paramenters/Sorting' column and click	<	
		6

Alarm indicator management	×
Hidden Parameter	Visible Parameters/Sorting
Glucose range BG Measurement	HBGI LBGI ADRR Estimated HbA1c Hyperglycaemic Events Hypoglycaemic Events Coefficient of variation v
Cancel	Apply

The items included in the 'Hidden Parameter' column will be automatically removed from the 'Patient Status' column.



•

8.4 Chat with the patient

Either in the 'patient list' view or in the 'individual patient' view, the number of unread messages from patients will be shown next to the 'Chat' icon **Q** chat (1) in the navigation bar.

Click on the **Q** Chat button in the navigation bar to open the message window. All unread messages from patients will be shown as seen here:



To send a new message or respond to messages from patients, click **Chat** in the navigation bar. This will open the message window. Click a patient's name to view the message history with that patient or to send a message. Enter the message text and then click the **Send** button.

John Collins	- 🗆 ×	8
Back to the conver	sation list	
	07/12/2021	
	Sam Smith Welcome to ALLY Diabetes Management System	
	06/01/2022	
	Sam Smith Hi John, how are you feeling today?	
I'm feeling morning.	OK thanks, fasting result was a bit high this 16:26	
Write a message	Add attachments 🛛	
Close	Send	

IMPORTANT: Do not use the message system for communication of urgent topics with patients.

9. Dashboard

The Dashboard provides an instant overview of the overall diabetes trend for an individual patient.

It is possible to view a summary of data of varying time intervals by clicking the buttons 'Last meter download', '3 months', '1 month', '3 days', '1 day' or it is possible to specify the dates by clicking the button.

In the Dashboard there are up to ten tiles that summarise the most relevant information related to the selected patient. The tiles display fundamental values and highlight whether the therapeutic goals set for these parameters have been reached or not by the patient during a given period.

The data enclosed in each single tile are associated with a traffic light colour code that indicates the relevance and risk level of the data itself, to facilitate a quick and concise assessment.



By clicking on the <u>l</u>compare button, a comparison with the immediately preceding period of the same length of time is made.

ALL PATIENTS TELEHEALTH PATIENTS DASHBOARD DATA MANAGEMENT MEDICAL HISTORY	TEST RESULTS TREATMENT	STATISTICS USERS 💱 🖶 Ga Chat ✔ FollowUp 🎩 Personal Data 👔 Reminder 🔅
Last Device Download 3 months 1 month 3 days 1 day 04/01/2022-03/02	2022 🖸 Compare vs 04/12/2021 - 03/01/2022	
GLUCOSE RANGE	C ③ AVERAGE BLOOD GLUCOSE C ④ HYPPGLYCAEMIC EVENTS C 8.3 vs 9,1 mmol/L ESTIMATED HEATC 0 vs 0 below 3.9 mmol/L 0 vs 0 below 3.9 mmol/L C FASTING	O HYPERGLYCAEMIC EVENTS C 1 vs. 1 Above 10.0 mmol/L C 0 vs. 0 12.3 vs. 12.7 mmol/L V VEW HIGH HiGHEST
TREATMENT Medication Name	C GUYCARMIC VARIABILITY INDEX C HYPER/HYPO GLUCOSE RISK C Coefficient of Variation	
Medical history of the patient TEST RESULTS Image: Computer Annual Sectors and Secto	ê C	

The Dashboard is divided into up to ten tiles, each one of them has two sides, by clicking the C button the tiles rotate. The following information is displayed:

- Glucose Range
- Blood Glucose Results
- Average Blood Glucose
- Hypoglycaemic Events
- Hyperglycaemic Events
- Treatment
- Glycaemic Variability Index
- Hyper/Hypo Glucose Risk
- Test Results
- Macro Complications

By clicking on the '?' icon, you can display a legend that explains how to interpret the information, the colours, and the icons in the tile.

9.1 Glucose Range

This tile displays the breakdown of blood glucose readings expressed in percentage and based on the targets set in the 'Blood Glucose Targets' (% hyperglycaemic, % normal, % hypoglycaemic);

Below are two images in which both sides are visible. By clicking the **Edit** button, it will be possible to access the 'Patient Target' in the 'Glycaemic Target' setting window.

() G	LUCOSE RANGE	ŵ C	① GLUCOSE RANGE	t C
I	56 % HYPER 22 % NORMAL		4.1 10 Severe 4.1 10 hypoglyc. 10	Severe hyperglyc. 16.7
0	22 % HYPO		0	Edit

The vertical-coloured indicator changes according to the following conditions:

- If more than 80% of the results are included in the normal range
 - If between 50 and 80% of the results are included in the normal range
- If less than 50% of the results are included in the normal range

9.2 Blood Glucose Results

This tile displays the average daily number of blood glucose measurements; on the second side it is possible to set the 'Recommended number of blood glucose measurements per day'.

1	BLOOD GLUCOSE RESULTS 0.3 / day	Î	¢	BLOOD GLUCOSE RESULTS BLOOD GLUCOSE RESULTS Recommended number of BG measurements: 2 / day	2.6
0				C	

The vertical-coloured indicator changes according to the following conditions:

- if the value is equal to or greater than the target;
- if the value is lower than the target but equal to or greater than 75% of the target;
- if the value is less than 75% of the target.

9.3 Average blood glucose

This tile displays the average value of all recorded blood glucose readings (fasting, pre-meal, postmeal). By clicking the **Edit** button of the second box, the 'Patient Target' will be accessible in the 'Blood Glucose Target' setting window.

\oslash	AVERAGE BLOOD	SE	Ŵ	Ċ	
	10.0 mmol/L	ESTIN %	MATED	HbA	1c
0	mmol/L FASTING 9.3 mmol/L PRE MEAL	15.6 mm POST MI	nol/L EAL		



The vertical-coloured indicator changes according to the following conditions:

- If the value is within the normal range set as a personalised target
- If the value does not fall within the normal range set as a personalised target but falls between the thresholds set for hypoglycaemia and hyperglycaemia
- If the value is below the hypoglycaemia threshold or above the hyperglycaemia threshold

9.4 Hypoglycaemic Events

The following data are displayed:

- The number of hypoglycaemic events
- The number of 'very low' hypoglycaemic events ('very low' <3.1 mmol/L)
- The lowest blood glucose reading ('lowest')

Hypoglycaemic events represent one or more hypoglycaemic readings recorded within thirty minutes.

On the reverse side it is possible to set the 'Number of acceptable hypo events in a month'.



The vertical-coloured indicator changes according to the following conditions:

- If the number of hypoglycaemic events is ≤ of the target and no 'very low' hypoglycaemic events occurs
- If the number of hypoglycaemic events is > of the target but ≤ 2 in respect to the target, without any 'very low' hypoglycaemic events
- If the hypoglycaemic events number is > 2 compared to the target or a 'very low' hypoglycaemic event has been recorded

9.5 Hyperglycaemic Events

The following data are displayed:

- The number of 'hyperglycaemic' events
- The number of 'very high' hyperglycaemic events ('very high' >16.7 mmol/L)
- The highest blood glucose reading ('highest')

Hyperglycaemic events represent one or more hyperglycaemic values recorded within a thirty-minute time period.

On the reverse side it is possible to set the 'Number of hyperglycaemic events acceptable per month'.





The vertical-coloured indicator changes according to the following conditions:

- If the number of hyperglycaemic events is ≤ the target and no 'very high' hyperglycaemic events occurs
- If the number of hyperglycaemic events is > the target but ≤ 2 with respect to the target, without 'very high' hyperglycaemic events
- If the hyperglycaemic events number is > 2 compared to the target or a 'very high' hyperglycaemic event is recorded

9.6 Glycaemic Variability Index

The following data are displayed:

- The value for the Coefficient of Variation
- The Standard Deviation

0	GLYCAEMIC VARIABILITY INDEX Coefficient of Variation 16 %	Ē	Ċ	GLYCAEMIC VARIABILI Personal coefficient of var	TY INDEX 💼 🔿
0	Standard deviation 1.0			0	Edit

The vertical-coloured indicator changes according to the following conditions:

- if the Coefficient of Variation value is < the cut-off
- if the number of hyperglycaemic events is > the target but ≤ 2 with respect to the target, without 'very high' hyperglycaemic events
- If the hyperglycaemic events number is > 2 compared to the target or a 'very high' hyperglycaemic event is recorded

9.7 Hyper/Hypo Glucose Risk

The following data are displayed:

- High Blood Glucose Index (HBGI)
- Low Blood Glucose Index (LBGI)
- Average Daily Risk Range (ADRR)





ALLY 10.10.x User Manual Ver 220712 8100-10574 Rev A The vertical-coloured indicator changes according to the following conditions:

- If HBGI, LBGI and ADRR values are < the normal limit set for the patient
- If at least one of the HBGI, LBGI, ADRR values is between the normal and the risk cut-offs set for the patient and none of the three values is above the risk cut-off set for the patient
- If the value of HBGI or LBGI or ADRR is > the risk cut-off set for the patient

10. Data Management

The Data Management module is is for the review and management of patient self-monitoring data, also viewable in graphs.



Graphs of the 'Daily Trend', 'Modal Day', 'Modal Week', 'Modal Meals' can be viewed. If used and interpreted correctly, these reports can prove to be extremely helpful tools for diabetes management.

The graphical presentation of the data is simple and intuitive and is designed to effectively support the identification of the most appropriate therapeutic interventions to improve clinical results, since they highlight the areas that need more attention.

In the Data Management module you can access the Logbook, download data from patient's devices and set the patient's blood glucose targets.

Each report displays the patient's results in a different way making it possible to choose the most useful by individual HCP preference.

Each graph has a selection bar (shown below) for the period during which data will be displayed.

Last Device Download 3 months 1 month 3 days one day 18/07/2018 - 21/09/2018 🖾 Compare

'Last Meter Download': displays a graph of the last blood glucose readings downloaded from the blood glucose meter.

'3 months', '1 month', '3 days', '1 day': displays a graph of blood glucose readings from the selected timeframe, it is also possible to set a personalised period by clicking the calendar icon and selecting a start and end date.

The 'Compare' button **Compare** : A graphic comparison with the immediately preceding period over the same length of time.



The **Compare** comparison can be made by setting graphs on two horizontal or vertical lines.

Click the button again to return to the single graph display.

The "Mini-dashboard" located to the right of the data report allows you to review the values of key dashboard metrics additional functionalities related to each data report.

10.1 Daily trend

The 'Daily Trend' graph shows the blood glucose readings that have been downloaded from devices or entered manually in ALLY as well as the other information that is useful for the evaluation of the general status of the patient.



Below is a sample image of a graph for patients using connected devices:

The blood glucose scale is displayed on the left vertical axis, while the insulin and carbohydrate data are projected on the right vertical axis.

The green horizontal bar identifies the personal blood glucose target ('Normal Range'), for the selected patient.

The scroll bar below the graph allows a quick overview of blood glucose readings.

The arrows indicate when the blood glucose data was downloaded.

The period displayed can be changed by moving the time selectors.



In the right column there is the list of values displayed. To activate or deactivate the display, click the corresponding name. The tiles of the self-monitoring blood glucose in addition to the summaries of the numerical values that are related to the item indicated in the text, have an automatic traffic light colour code that indicates the relevance and risk level of the given data.

Below there is an example of a graph showing the 'Normal range', 'Blood glucose measurement' and 'Hyperglycaemic events':



The blood glucose scale is displayed on the left vertical axis, while insulin and carbohydrate data are on the right vertical axis. Blood glucose values higher than the maximum value displayed on the left vertical axis are plotted on one line at the top of the chart.

Additional presentation options are provided by the "Mini-dashboard" tiles:

- If you click on the "Hypoglycaemic events" tile, the hypoglycaemic values are highlighted in red
- If you click on the "Hyperglycaemic events" tile, the hyperglycaemic values are highlighted in orange
- If you click on the "Average blood glucose" tile, a black line representing the average blood glucose for each day is displayed

10.2 Modal Day

The Modal Day graph provides a presentation of the amount of fluctuation in the patient's blood glucose levels and allows the identification of blood glucose readings within the area of the patient's personal target ('Normal Range') as well as 'hypoglycaemic' and 'hyperglycaemic events'.

The graph shows the moments of the day in which the patient finds most difficult to maintain good glycaemic control, thus making it easier to identify the most appropriate therapeutic intervention.

The graph shows the patient's average blood glucose results over 24 hours, highlighting each hypoglycaemic or hyperglycaemic event.





The black line in bold represents the median of the blood glucose results recorded.

The thin black lines of the graph represent, in order, from the highest to the lowest respectively; the 75th percentile, the median and the 25th percentile.

The table on the right side of the screen provides a key to assist interpretation of the graph.

The 'Modal Day' graph visually shows the range of fluctuation. The greater the distance between the 25th and 75th percentile, the greater the daily blood glucose variability.

By clicking on a blood glucose result, the data collected on the same day are connected with a blue line that will display the blood glucose trend within 24 hours, as shown in the following image:



As in the 'Daily trend' graph, it is possible to activate or deactivate the display of the 'Normal range', 'Blood glucose measurements', 'Hypoglycaemic events', 'Hyperglycaemic events' and 'Fasting blood glucose'.

10.3 Modal Week

The 'Modal Week' graph displays the days of the week in which the patient finds most difficult to maintain a good glycaemic control, thus making it easier to identify the most appropriate therapeutic intervention.



The percentiles and average of the blood glucose results recorded by the patient are displayed daily, highlighting hypoglycaemic events by the appearance of red warning triangle.

10.4 Modal Meals

The 'Modal Meals' graph displays the meals in which the patient experiences the greatest difficulty in maintaining good glycaemic control, making it easier to identify the most appropriate therapeutic intervention.



ALLY 10.10.x User Manual Ver 220712 8100-10574 Rev A The 'Modal Meals' graph displays both the percentiles and the average blood glucose results recorded by the patient during the day relative to the timeframe defined in the patient target. It highlights hypoglycaemic events by displaying a red danger triangle.

10.5 Logbook

The Logbook displays the blood glucose readings for: 'Pre' and 'Post' meals as well as the insulin doses and carbohydrate intake for each meal.

The Logbook is very similar to the patient's diary, widely recognised as an educational tool for patients. It helps the patient to understand the impact of their choices and behaviour on blood glucose levels.

ALL PATIENTS TO	ELEHEALTH PAT	IENTS DASHBO	DARD DATA MA	NAGEMENT	AEDICAL HISTOR	RY TEST RESUL	TS TREATMENT		STATISTICS	STATISTICS USE
🗄 Daily Trend 🗧	🛠 Modal Day	🗱 Modal We	ek 🛷 Modal N	Aeals 📅 Logi	xxx 🖟 Dowr	nload data 🛛 🧿	Blood Glucose Targe	🖓 Chat 🌲 FollowUp	🖓 Chat 🌲 FollowUp 🤱 Personal Data 👔 Re	🔍 Chat 🌲 FollowUp 🧘 Personal Data 🥤 Remind
Loghogh									Normal range	Normal range
LOGDOOK									41% Hyperglyca 59% Normal	41% Hyperglycaemic 59% Normal
Last Device	Download	3 months 1	month 3 day	s 1 day 2	29/01/2021 - 15	6/10/2021 🖸	Delete data		0% Hypoglyca	0% Hypoglycaemic (
				Blood glucose			^		18% Coefficient	18% Coefficient of va
Data	Brei	akfast	Lur	nch	Din	iner	Might		BG measurement	BG measurements
Date	Fasting	Post	Pre	Post	Pre	Post	Night		270 glycaemia	270 glycaemia
	06:00-08:30	08:30-11:00	11:00-13:30	13:30-16:00	16:00-19:00	19:00-22:00	22:00-06:00		1.0 day	1.0 day
15/10/2021	Ø 11.6								Hypoglycaemic e	Hypoglycaemic events
14/10/2021	Ø 13.5					Ø 13.9			•• under 3.9 mmo	under 3.9 mmol/L
13/10/2021	0.00	Ø 10.7				0 11.2			Hyperglycaemic e	Hyperglycaemic events
10/10/2021	0 92					0.115			116 over 10 mmo	To over to mino/c
09/10/2021	0 10.3					0 11.5			Average blood gi	Average blood glucose
08/10/2021	0 8.6								9.6 mmol/L	9.6 mmol/L
07/10/2021						Ø 6.7			Blood glucose de	Blood glucose device d
06/10/2021			Ø 9.6						2 download	2 downicad
04/10/2021	0 11.4		Ø 6.0						Total insulin	Total insulin
03/10/2021						Ø 12.9				
02/10/2021	Ø 10.0					Ø 10.4			Bolus (daily avara	Bolus (daily avarage)
01/10/2021	0 11.2					Ø 6.7			bolus	bolus
30/09/2021	⊘ 10.4								Basal (daily avara	Basal (daily avarage)
27/09/2021	Ø 10.9		Ø 7.8							
26/09/2021	Ø 9.3								Premix	Premix
25/09/2021	Ø 9.7								premixed	premixed
23/09/2021	0 9.7								Leg	Legend
22/09/2021	0 9.4								Blood glucose	Blood glucose
21/09/2021	0 92								Bold font: OUT	Bold font: out of pe
18/09/2021	0 7.0						0 99		Normal font: in p	Normal font: in person
16/09/2021	0 9.4						0 5.5		Hy	Hypergly
14/09/2021	0 9.5								Symbols	Symbols
12/09/2021	Ø 10.2								Ø No tag	No tag
10/09/2021	Ø 8.6								O Fasting	O Fasting
09/09/2021	Ø 9.0								Pre-meal	Pre-meal
08/09/2021	Ø 8.2								O Post-meal	O Post-meal
07/09/2021	Ø 8.2						~			Carbohydrates
									Caloriyulad	ur caloriyulates

All the blood glucose readings are marked as "Fasting", "Pre" or "Post" meal, based on the settings defined by the HCP in the Patient's specific 'Blood Glucose Targets'.

Similarly, all insulin units are labelled according to the meal during which they have been administered.

An icon indicates whether the carbohydrate intake data is available and therefore only the columns in which data are present are displayed.

The blood glucose readings within the target range are shown in normal font, while the readings outside the target are indicated in bold, so that they can be easily recognised.

By clicking on the options in the right column it is possible to highlight the 'Hypoglycaemic events' (in red) and the 'Hyperglycaemic events' (in orange).

10.6 Download data from the WaveSense JAZZ Meter

The 'Download data' module, makes it possible to transfer the data stored in a patient's AgaMatrix WaveSense JAZZ blood glucose meter to ALLY.

			_	~
Download data		_		<u>^</u>
1 Select the type of connection	 Direct 			
2 Please select the blood glucose meter brand and the communication p	ort (or leave the automatic selection)			
Manufacturer	Communication port			
AgaMatrix 🗸	Automatically select the port (recommended)			\sim
3 Please select the group of meters if there is more than one All the devices ✓				
JAZZ				
4 Click on the 'Next' button to continue				
It is possible to click on the image of the blood glucose meter to read the de	etailed instructions			
Cancel				

ALLY will automatically save the blood glucose readings stored in the devices which will then be viewable in the graphs described in the previous section of this manual.

The system will display images related to the supported devices which, if clicked, will display detailed instructions for downloading data to ALLY.

To download data from a meter, select the type of 'Communication Port' if known. Otherwise, the system will automatically search for them. By selecting the device and clicking the Next button it will start the procedure that downloads data from the blood glucose meter to ALLY.

The system will automatically download the data from the blood glucose meter and attach it to the selected patient.

10.7 Blood glucose target

This module allows the HCP to define customised meal schedules and target ranges to be set for each patient.

In the 'Blood Glucose Targets' tab, ranges of the glucose values can be set by moving the relevant cursors or entering the value directly, as shown in the following image:

Patient Targets		– 🗆 ×
Blood Glucose Targets Meal times		
Pre-meal blood glucose:		4.4 - 7.2
Post-meal blood glucose:		4.4 - 10.0
Hypoglycaemia/Hyperglycaemia:		3.9 - 10.0
Visible Range:		2.2 - 19.4
Low BG Index (LBGI)		1.1 - 5
High BG Index (HBGI)		5 - 15
Average Daily Risk Range (ADRR)		20 - 40
Coefficient of variation (%)		36
Blood glucose measurements:	Unit No. Frequency Y	
Hypoglycaemic events acceptable per month:	2	
Hyperglycaemic events acceptable per month	: 5	
Cancel		Save

Recommended blood glucose measurements per day can be set. Acceptable hypoglycaemic and hyperglycaemic events per month can also be set.

Below there is an image showing an example of the 'Meal Times'. It is possible to adjust the mealtime windows by creating new dates (in order to record new times), by clicking the 🖾 button.

10.8 Manual input

The software allows manual data entry for the selected patient.

Manual Input				– 🗆 ×
Last data entered: Date	Time	Туре		Value
16/10/2021	09:00	Blood glucose		12.3
New Entry:				
Date	Time	Туре		Value
29/03/2022 🖸	00:00	Blood glucose	~	<u></u> Ш
Cancel			New Entry	Save

To add new data, enter the date, time, type and value of the data and click on the Save button.
11. Medical History

The Medical History module is divided into two tabs:

- *Recent* Medical History which defines the significant physiological events and the current lifestyle of the patient
- *Past* Medical History which shows the patient's diabetes history, family history and history of diagnosis

	DATA MANAGEMENT MEDICAL HISTORY TEST RESU	JLIS TREATMENT		STATISTICS				
Attachments		Q	Chat 🗸 FollowUp 🧘 Personal data 🔫	👖 Reminder				
Recent Past medical history								
Medical History 🧟				New date				
27/07/2021 26/07/2021 23/07/2021	22/07/2021 30/06/2021 01/06/2021	28/05/2021 04/02/2021 27/01/20	21 🕖 04/12/2020 23/10/2020					
Physiological history								
First visit date 27/01/2021								
Hormonal contraception	Term births	Pregnan	Pregnancies					
Menarche age	Preterm births	Macroso	Macrosomia Nr. (> 4kg)					
Menopause age	Abortions							
Menopause age Lifestyle	Abortions							
Menopause age Lifestyle Smoke	Abortions Physical exercise	Alcohol and drugs	Self-monitoring	_				
Menopause age Lifestyle Smoker No	Abortions Physical exercise Physical activity Regular	Alcohol and drugs Alcohol Moderate	Self-monitoring Self-monitoring of blood glucose	• Yes				
Menopause age Lifestyle Smoke Smoker No	Abortions Physical exercise Physical activity Regular Non-structured physical activity	Alcohol and drugs Alcohol Moderate Alcohol units/day	Self-monitoring Self-monitoring of blood glucose SMBG frequency	Yes 4-6 times a				
Menopause age Lifestyle Smoker No	Abortions Physical exercise Physical activity Regular Non-structured physical activity Structured physical activity	Alcohol and drugs Alcohol Moderate Alcohol units/day Use of narcotic drugs No	Self-monitoring Self-monitoring of blood glucose SMBG frequency Self-Monitoring blood pressure	Yes 4-6 times a No				
Menopause age Lifestyle Smoker No Pack Year :	Abortions Physical exercise Physical activity Regular Non-structured physical activity Structured physical activity Sports	Alcohol and drugs Alcohol Moderate Alcohol units/day Use of narcotic drugs No	Self-monitoring Self-monitoring of blood glucose SMBG frequency Self-Monitoring blood pressure	Yes 4-6 times a No				
Menopause age Lifestyle Smoker No Pack Year : Other	Abortions Physical exercise Physical activity Regular Non-structured physical activity Structured physical activity Sports	Alcohol and drugs Alcohol Moderate Alcohol units/day Use of narcotic drugs No	Self-monitoring Self-monitoring of blood glucose SMBG frequency Self-Monitoring blood pressure	Yes 4-6 times a No				
Menopause age Lifestyle Smoker No Pack Year : Other Health education Yes	Abortions Physical exercise Physical activity Regular Non-structured physical activity Structured physical activity Sports	Alcohol and drugs Alcohol Moderate Alcohol units/day Use of narcotic drugs No	Self-monitoring Self-monitoring of blood glucose SMBG frequency Self-Monitoring blood pressure	Yes 4-6 times a No				
Menopause age Lifestyle Smoker No Pack Year : Other Health education Yes Nutrition Regular	Abortions Physical exercise Physical activity Regular Non-structured physical activity Structured physical activity Sports	Alcohol and drugs Alcohol Moderate Alcohol units/day Use of narcotic drugs No	Self-monitoring Self-monitoring of blood glucose SMBG frequency Self-Monitoring blood pressure	Yes 4-6 times a No				

When registering the information for the first time, click the Add button to enter the data.

The updating of previously entered information and the insertion of new is made possible by using the **Edit** button.

11.1 Recent Medical History

To update the *Recent Medical History* tab click the **New date** button.

The system opens a window with the calendar from which it is possible to select or type the desired date.



button to register the new date.

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11.1.1 Physiological History

The physiological medical history is differentiated on the basis of the patient's gender and age.

To update the information on the physiological medical history, click on the **Edit** button. The tab of the recorded data will open.

Below is an example of the *Physiological Medical History* sheet of a male patient.

Physiological histo First visit date 08/05/20 Status	ory ™⊠⊠			_ □ ×
No value	~	Alert	Pathological	Normal
Decreased libido		✓ Duration months	Normal prostate	~
Erectile deficit		✓ Duration years		
Penis mycosis		V Year		
Phimosis		∨ Year		
Circumcision		V Year		
Drugs		\sim		
Cancel				Save

It is possible to enter information in all or only some of the fields. Click the **Save** button to store the information.

11.1.2 Lifestyle

Click the Add

information about the patient's *lifestyle*.

tatus										
No value		Alert			Pathological	~	Normal			
	Smoke						Physical exercise			
Smoker Ex smoker	\sim	Ciga	ettes per day.	12	2	Physical activity		Absent/Ir	\sim	
From	t	From	rom (age)			Non-structured physical activity (per-day				
То	t	For y	r years			Structured physical a	ctivity (per-day)	:		
		Pack Y	ear :			Sports			~	
Alcohol ar	nd drugs		9	Self-monitoring		Other				
Alcohol	Moderate	\sim	Self-monitorin	ng of blood glue	cose Yes ∨	Health education		Yes	~	
Alcohol units/day			SMBG frequency		4 v	Nutritional status		Regular	~	
Use of narcotic drugs	No	~	Self-monitorin	ng blood pressu	re Yes 🗸	TV hours per day				

Edit

Click the Save button to store the information entered or the Cancel button to return to the main window without saving the data.

11.1.3 Notes

Insert a note by clicking the Add button corresponding to the Notes, as shown in the following image:

	Other
Health education	Yes
Nutrition	Regular
TV hours	
Classifications	
Notes	
Pregnancy	

11.1.4 Pregnancy

A specific form is available for female patients to enter information about pregnancy as shown below.

Status No value Alert Pathological Normal Date of last menstrual period 17/06/2021 Contraception Natural Pre-pregnancy weight Last measured height Pre-pregnancy BMI Months before conception Conception Reset Add Menstruation Childbirth date Plann ed Information / Contraception Method Pre-pregnancy Information / Contraception Conception Reset Add Information / Contraception Method Pre-pregnancy Information / Contraception Method Pre-pregnancy Information / Contraception Method Pre-pregnance BMI Folic acid before ancy Information / Contraception Method Pre-pregnance BMI Folic acid Information / Contraception Method Information / Contraception Information / Contraception Information / Contraception Information / Contraception Info	Pregnancy										_ C	• ×
No value Alert Pathological Normal Date of last menstrual period 17/06/2021 Childbirth date Image: Contraception Natural Planned pregnancy Information / Education General Contraception Natural Conception Method Pre-pregnancy weight Last measured height Pre-pregnancy BMI Folic acid mg Months before conception Months after conception Menstruation Childbirth date Plann d pregnancy ate Plann d pregnancy Months after conception Menstruation Childbirth date Plann d pregnancy ate Pre-pregnancy Months after conception ate Pregnancy Months after conception ronception Contraception Months after conception 17/06/2021 Image: General Natural Natural Natural Pre-pregnancy BMI Folic acid general 17/06/2021 Image: General Vatural Natural Vatural Natural	Status											
Date of last menstrual period 17/06/2021 Image: Childbirth date Image: Contraception Natural Conception Method Natural Image: Contraception Method Pre-pregnancy weight Last measured height Pre-pregnancy BMI Folic acid mg Months before conception Months after conception Image: Contraception Method Months after conception Menstruation Childbirth date Plann ed Information / Contraception Conception Months after conception Menstruation Childbirth date Plann ed Information / Contraception Conception Pre-pregnance BMI 17/06/2021 Image: Conception Contraception Conception Pre-pregnance BMI Folic acid mg 17/06/2021 Image: Conception Contraception Natural Image: Conception Image: Conception 17/06/2021 Image: Conception Contraception Natural Image: Conception Image: Conception 17/06/2021 Image: Conception Image: Conception Natural Image: Conception Image: Conception 117/06/2021 Image: Conception Image: Conception Image: Conception Image: Conception Image: Conception	No value	~	Alert	t		Pathological			Normal			
Information / Education General Contraception Natural Conception Method Natural <	Date of last menstrual period	17/06/202	1 🖾 🐼	Childbi	rth date	ت ع]\ \	Planned	pregnancy	✓		
Pre-pregnancy weight Last measured height Pre-pregnancy BMI Folic acid mg Months before conception Months before conception Reset Add Menstruation date Childbirth date Plann ed pregnancy Information / Education anception Contraception Contraception Pre-pregnancy BMI Folic acid Months before conception Contraception Pre-pregnancy BMI Folic acid Months after conception after conception 17/06/2021 Image: Conception Valural Natural Valural Valural </td <td>Information / Education</td> <td>General</td> <td></td> <td> ✓ Contra </td> <td>ception</td> <td>Natural</td> <td>\sim</td> <td>Concept</td> <td>ion Method</td> <td>Natur</td> <td>al</td> <td>\sim</td>	Information / Education	General		 ✓ Contra 	ception	Natural	\sim	Concept	ion Method	Natur	al	\sim
Folic acid mg Months before conception Months before conception Months after conception Reset Add Menstruation date Childbirth date Plann ed pregn ancy ancy ancy ancy ancy ancy ancy anc	Pre-pregnancy weight			Last m	easured height			Pre-preg	inancy BMI			
Menstruation date Childbirth date Plan ed pregn ancy Information / Education ancy Contraception Conception Method Pre- pregnanc y weight BMI Folic acid mg Months before concepti on Months after concepti on 17/06/2021 Image: Conception in the second	Folic acid mg			Month concep	s before tion			Months concepti	after on			
Menstruation date Childbirth date Plann ed pregnancian / Education Contraception Conception Method Pre-pregnancian / Method BMI Folic acid mg Months before conception on 17/06/2021 Image: Conception ancy General Natural Natural Image: Conception on Image: Con									Reset		Add	
17/06/2021	Menstruation date Child	lbirth date	Plann ed pregn ancy	Information , Education	, Contraception	Conception Method	Pre- pregna y weig	nc BMI ht	Folic acid mg	Months before concepti on	Months after concepti on	
	17/06/2021	Ŭ×	✓	General	V Natural V	Natural 🗸						Ŵ

Enter the data relating to the pregnancy and click the in a row at the bottom of the window. By clicking the the database.

Add

button. The data will be copied Save button it will be stored in

11.2 Past Medical History

The section summarises the patient's pathological history. The tab is divided into:

- *Diabetes History*: it allows the archiving of the specific diagnosis of diabetes
- Family History: it contains information on any family pathologies
- *Past Medical History:* it is the register of all the pathologies that occurred before the visit and of those detected in the course of the recurrent diabetological visits
- *Pregnancy:* it is possible to store data concerning the pregnancy of female patients

11.2.1 Diabetes History

'Diabetes History' records the specific diagnosis of diabetes and its date.

To change the diagnosis, click on the *edit* button within the 'Past Medical History' tab.

This allows access to fields where *Insulin Start Date, Diabetes diagnosis date* and *Diabetes type* can be entered.

the date of the first visi				
	t 🖉			
Ċ				
		Data entry		
03/11/2021 🖸	Diabetes Type	Type 2 diabetes	\sim	Add
Diabetes Type				x
Type 2 diabetes				Ē
				Save
T	03/11/2021 🖸	03/11/2021 Diabetes Type Diabetes Type 2 diabetes	Data entry 03/11/2021 Diabetes Type Type 2 diabetes Diabetes Type Sype 2 diabetes	Data entry 03/11/2021 Diabetes Type Type 2 diabetes Diabetes Type Vipe 2 diabetes

After having selected the dates and the type of diabetes, click the Add button to attach the data to the patient. Then, click the Save button to save it.

11.2.2 Family History

In the *Family History* section, data relating to diabetes and other pathologies that run in the patient's family can be entered.

vumper of p	orothers							
Males	Females	Twin	\sim					
Data entry								
Subject		~			Date of birth	1	₫	
Drigin		~	Diabetes type	~	Diagnosis da	te	⇒	
Diseases		~					Add	I
Subject	Twin	Origin	Diabetes Type	Diseases		Date of birth	Diagnosis date	x
1º degree relatives		Caucasian	Type 2 diabetes	Cutaneous Neopl	asia			Ŵ
Brother 2	Fraternal twin sister	African		Cerebral Neoplas	ia			Ŵ

11.2.3 Past Medical History

In the 'Past Medical History', the illnesses, traumas and operations the patient has had can be recorded.

Upon opening the form, the list of additional illnesses and traumas, operations and additional classifications will be displayed. Alternatively, it is possible to click the single tab to get the complete list.

On the *All* tab, you can search by keyword within the entire database.

In addition to the *Description* of the illness (as well as operation or trauma) the ICD10 code is visible.

If the element is among the *Favorites* a yellow star \neq will be visible.

Otherwise, the star will be grey \pm .

Past medical	history Management			_ C	3 ×		
			Search: dia		Q		
Description			ICD1	0 code Favourite	2		
Candidiasis [B3]	7]		B37	*	^		
Diabetes mellitu	us due to underlying condition [E08]		E08	*			
Drug or chemic	al induced diabetes mellitus [E09]		E09	*			
Type 1 diabetes	mellitus [E10]	E10	E10 🔶				
Other specified	diabetes mellitus [E13]	E13	E13 📩				
Type 2 diabetes	mellitus [E11]		E11	E11 🛨			
Other disorders	of iris and ciliary body [H21]		H21				
 Retinal detachm 	nents and breaks [H33]		H33	*	~		
Past medical histo	ory						
Date	Description	Note	Permanent	Data end	x		
28/06/2021 🖾	Retinal detachment with retinal break [H33.0]			28/06/2021 过	Ē		
	1						
Cancel				Save			

Once the data is entered it is possible to save the data by clicking on the save button .

12. Test results

The *Test results* module records the results of laboratory tests and displays them in tabular as well as graphical format.

In the center of the module there is information regarding the tests and in the right column the most recent therapies are displayed.

Below there is an example of the *Test results* module:



At the top of the exam window, the viewing period, group and lab can be selected. An example image is shown below:

Test Results				Add
Period		Group	Lab	
2 Years All Select Period 🖾	10/11/2011 - 10/11/2021	Standard v	Lab ALLY Demo Site Agamatrix	~

By clicking the preset intervals, *2 years, 5 years* or by selecting a range of dates by clicking *Select Period*, it is possible to filter the display of the tests by period.

The default exam group that is displayed is the *Standard* one but is possible to create new groups according to specific needs.

12.1 Add a new registration

To insert a new registration of test values, click the Add button. A window will be displayed from which to select or type in the registration date.

Once the registration date has been selected, a new column will be created in which to enter the test values.

The values entered and stored can appear in different colours:

- Black: refers to all the data that fall within normal target for the selected laboratory
- *Red:* refers to all the data above the normal target for the laboratory
- Orange: refers to all data below the normal target for the laboratory

During the registration of previously entered results, in correspondence with each entered value, a note can be added or modified by clicking the 📄 icon.

The A icon can be displayed next to the results. This symbol indicates that a laboratory other than the default one has been used.

In correspondence with the values of the test for the cardiovascular risk, a colored dot may appear. The dot is intended for decision-making support relative to therapy.

By positioning the mouse over the dot, details related to the color will be displayed:

- For the second secon
- Therapy present, but values not within target
- No therapy, and values not within target

Below is an example image showing the laboratory tests:

Test Results										Add
Period			Group				Lab			
2 Years All Select Perio	d 🖾 01/01/	1900 - 10/11/2	0 - 10/11/2021 Standard				Lab ALLY Der	ix	~	
General practitioner Other diabetes Compact view Full										Full view
2018			20	16			20	15		201, ^
Description	23/04	28/09	20/09	18/04	08/04	16/11	20/10	16/07	23/02	22/0
A No subgroup										
Hba1c [%]			8.8 44		8.6 ZL			9.1 🕾		
▲ Anthropometric										
Height [cm]	170 🕾	170 🕾	170 🕾	170 📇	170 🕾	170 🕮	170 📇	170 🕾	170 📇	17
Weight [kg]	88.0 🛝	90.5 🛝		91.7 💩			92.0 🕮		95.0 🛝	
Systolic Pressure [mmHg]		110 🕮		140 🕾			140 🕮		120 🕮	
<										>
101 I. I. I.										

By clicking on the Compact View button, the size of the columns in which the exam values are stored will be reduced and in the presence of a note or an exam from another laboratory, the relative icons will no longer be displayed but the value box will change colour as visible in the following image:

Test Results													Add	
Period				Group					Lab					
2 Years All Select Period	01/0	01/1900 -	10/11/202	1 Standard	ł				Lab Al	LLY Demo Site Agamatrix				
Other Lab	ooratory (Both	General	practitione	r						E	xtensive v	iew Ful	ll view
	2018		20	16			20	15		20	14		2012	
Description	23/04	28/09	20/09	18/04	08/04	16/11	20/10	16/07	23/02	22/09	16/09	22/12	15/06	19,
▲ No subgroup														
Hba1c [%]			8.8		8.6			9.1			8.7	• 8.7	• 7.3	• :
Anthropometric														
Height [cm]	170	170	170	170	170	170	170	170	170	170	170			
Weight [kg]	88.0	90.5		91.7			92.0		95.0					
Systolic Pressure [mmHg]		110		140			140		120					
Diastolic Pressure [mmHg]		70		80			70		70					
BMI [Kg/m²]	30.4	31.3		31.7			31.8		32.9					
Lipids														
Kidney														
Haemoglobin [g/dl]					14.8	14.2		14.2					15.2	
Urine														

In the presence of examinations performed by other laboratories, the box will be highlighted in blue. In the presence of a note the box will be highlighted in yellow. In the presence of a note for an examination in another laboratory, the box will be highlighted in green.

Click the Extensive View button to return to the standard column size.

There is also a **Full view** button which, if clicked, displays all the exams associated with the current group even if they do not contain stored values.

Click **Show only exams with data** to return to the standard view and hide the exams that have no recorded values.Below there is an example image in which the display of all exams is activated, including those that do not have saved values:

riod		Gi	oup			Lab	b		
2 Years All Select Period 💟	01/01/1900 - 1	0/11/2021 S	tandard			∨ La	b ALLY Demo Site /	Agamatrix	
General practitioner Other diabe	tes						Compact vie	w Show onl	y exams with
Description	2018		201	6			20	15	
Description	23/04	28/09	20/09	18/04	08/04	16/11	20/10	16/07	23/02
No subgroup									
Blood Glucose (Fasting) [mmol/l]									
Hba1c [mmol/mol]									
Hba1c [%]			8.8 AL		• 8.6 a			9.1 🕾	
Fructosamine [µmol/l]									
C-Peptide (Fasting) [nmol/L]									
Insulin (Fasting) [pmol/L]									
Insulin (Fasting) [mU/ml]									
Folic Acid [ng/ml]									
Anthropometric									
Height [cm]	170 🕾	170 🕾	170 🖾	170 🕮	170 🕾	170 đ	170 전	170 🖾	170 🕾
Weight [kg]	88.0 🛝	90.5 🕾		91.7 🛝			92.0 🛝		95.0 🕾
Systolic Pressure [mmHg]		110 🕾		140 🕮			140 🛎		120 🕾
Diastolic Pressure [mmHg]		70 🕾		80 🕮			70 🕮		70 🕾
Waist Circumference [cm]									
	· · · · · · · · · · · · · · · · · · ·						1	1	

The Site Administrator can create new Laboratories, Groups and Subgroups of tests.

12.2 Groups of tests

By clicking the PNew Group button a Group window will open, as visible in the following image:

Group		_ = ×
First name		
Search filter	Selected exams	4
11 Deoxycorticosteroine [pg/mi] 11 Deoxycortisol [ug/dl] 11 desossicortisolo [ng/ml] 17 Beta Estrad. F.F.Lut. [ng/L] 17 Beta Estrad. F. F.OII. [ng/L] 17 Beta Estrad. F. F.FOII. [ng/L] 17 Ketosteroids [mg/24h] 17-B-Estradiol [pg/ml] 17-Hydroxycorticosteroids urine F. [mg/24 h] 17-Hydroxycorticosteroids urine M. [mg/24 h] 17 Ketosterial F. (wing) (mg/14 h)	> <	
17-Ketosteroids P. (ultrile) [mg/24 h] 17-Ketosteroids M. (urine) [mg/24 h] 17OH Progester after ACTH [ng/ml] 17OH Progester basale 17OHP (17-idrossiprogesterone) [ng/dL] 17OHP (idrossiprogesterone) 2,3 diphosphoglycerate [µmol/g Hb] 21 desossicorticosterone (DOC) [ng/ml] 21 desossicortisolo [ng/ml]	v	

By organising laboratory tests in groups, it is possible to present the exams that are most frequently used by the department, in the desired order (ease of reading and input for the HCP). Enter the Name of the new group then attach the exams by selecting them from the left column and move them with the solution into the right column.

It is possible to search for one or more exams by name (or part of the name) by typing it in the 'Search Filter'.

To remove an exam from a group, select the exam from the right column and then click the solution to move it to the left column.

One or more subgroups can be created by clicking the + button. It is necessary to associate at least one exam to the newly created subgroup, otherwise it will not be possible to save the data. In the following image a new group of exams named 'Exam Group' is created.

By using the \frown and \frown buttons the order in which exams are displayed can be changed and exams can be moved from one subgroup to another.

Group Exam Group 2		_ 🗆 ×
First name		
Exam Group 2		
Search filter	Selected exams	+
11 Deoxycorticosterone [pg/ml] 11 Deoxycortisol [ug/dl] 11 desossicortisolo [ng/ml] 17 Beta Estrad. F.F.Lut. [ng/L] 17 Beta Estrad. F.F.Lut. [ng/L] 17 Beta Estrad. F.F.Oll. [ng/L] 17 Beta Estrad. F.F.Oll. [ng/L] 17 Ketosteroids [mg/24h] 17-B-Estradiol [pg/ml] 17-Hydroxycorticosteroids urine F. [mg/24 h] 17-Ketosteroids F. (urine) [mg/24 h] 17-Ketosteroids K. (urine) [mg/24 h] 17OHP Progester after ACTH [ng/ml] 17OHP (17-idrossiprogesterone) [ng/dL] 17OHP (17-idrossiprogesterone) 2.3 diphosphoglycerate [µmol/g Hb] 21 desossicorticosteroine (DOC) [ng/ml] 21 desossicortisole [ng/ml] 21 desossicortisole [ng/ml] 22 diphosphoglycerate [µmol/g Hb] 23 diphosphoglycerate [µmol/g Hb] 24 diuresis [ml]	 No subgroup Urinary hemoglobin Vit. C [ml/dl] White Blood cells X field (Urin. Sedi Zinc (urine) [µg/24 h] Exam Group 17-Hydroxycorticosteroids urine M. Albumin [mg/dl] Insulin 1h after 75g Gluc. [mU/ml] Plasma cells [n/mm3] 	m.) [mg/24 h]

By clicking the Save button, the new group and the selected tests relative to it will be saved.

By clicking the **Edit group** button, a window similar to the previous one will open. However, the **Delete** button will also be visible. By clicking it, the current group will be deleted. The group name can be changed, subgroups created or deleted, associated exams (add new ones or remove existing ones) managed.

12.3 Test subgroups

In order to have a logical division of tests, it is possible to create more subgroups within each group. For each group it is possible to create more subgroups if the HCP wants to have a logical division of the exams.

Description	2019	
Description	21/06	16/11
✓ No subgroup		
Height [cm]	178 🖉	
Weight [kg]		
BMI [Kg/m ²]		
Systolic pressure [mmHg]		
Diastolic pressure [mmHg]		
Glycated hemoglobin HbA1c [%]		• 7.4 🕾
Glycated hemoglobin HbA1c [mmol/mol]		
LDL Cholesterol [mg/dl]		
Steps		
Calories intake [kcal]		
Calories burned [kcal]		
▲ Required exams		
Prealbumin [mg/dl]		
Albumin/creatinine [mg/l]		
Right ankle Diastolic Pressure [mmHg]		
Preß-Lipoprotein [%]		

The organisation of laboratory examinations in subgroups allows the viewing of exams that have clinical affinities and therefore facilitate the diagnostic reading by the physician (e.g. haemochrome, liver function, endocrinology).

The subgroups can be created by clicking the PNew Group button and subsequently modified by the Administrator User by clicking the *statigroup* button. A window will open where the HCP can add new groups by clicking the + button.

A new subgroup will be created with a default name 'New subgroup'. The HCP can change the name according to their needs by confirming the new name by clicking the $\sqrt{}$ key.

Click the \times button to cancel the new subgroup.

Group	_ □ ×
First name	
Search filter	Selected exams +
11 Deoxycorticosterone [pg/ml]	No subgroup
11 Deoxycortisol [ug/dl]	New subgroup
11 desossicortisolo [ng/ml]	
17 Beta Estrad. F.F.Lut. [ng/L]	
17 Beta Estrad. F.Menop. [ng/L]	
17 Beta Estrad. M. [ng/L]	
17 Beta Estrad.F. F.Foll. [ng/L]	
17 Ketosteroids [mg/24h]	
17-B-Estradiol [pg/ml]	
17-Hydroxycorticosteroids urine F. [mg/24 h]	<
17-Hydroxycorticosteroids urine M. [mg/24 h]	
17-Ketosteroids F. (urine) [mg/24 h]	٨
17-Ketosteroids M. (urine) [mg/24 h]	V
17OH Progester after ACTH [ng/ml]	
17OH Progester basale	
17OHP (17-idrossiprogesterone) [ng/dL]	
17OHP (17-idrossiprogesterone) [ng/ml]	
17OHP (idrossiprogesterone)	
2,3 diphosphoglycerate [µmol/g Hb]	
21 desossicorticosterone (DOC) [ng/ml]	
21 desossicortisolo [ng/ml] 🗸 🗸	
Cancel	Save

It is necessary to add some exams to the newly created subgroup before saving the data, otherwise the subgroup will not be stored.

Click the

Save button to register the newly created subgroup.

12.4 The Graph

In the lower part of the Test Results module, for each exam, the graph of the values which have been recorded over time can be viewed.

eriod			Group			Lab			
2 Years All Select Period 🖾	01/01/1900 - 2	28/01/2022	Standard		\sim	Lab ALLY De	mo Site Agama	trix	
General practitioner Other diabe	etes						Compa	ct view Fu	ll vi
Description		2022				20	21		
Description	27/01	24/01	05/01	21/12	14/12	12/11	01/11	20/10	
A No subgroup									
Blood Glucose (Fasting) [mmol/l]							5.8		
Hba1c [mmol/mol]	40			31	42				
Hba1c [%]	5.8			5.0	6.0				
Insulin (Fasting) [pmol/L]					6				
Insulin (Fasting) [mU/ml]					6		7		
Anthropometric									
Height [cm]	157	157	157	157	157 🖾	157	157	157	
Weight [kg]				87.0	84.0	83.0			
Systolic Pressure [mmHg]									
Diastolic Pressure [mmHg]									
BMI [Kg/m²]				35.3	34.1	33.7			
▲ Lipids									

The graph is displayed by clicking the Show chart button.

View test results in graphical format by clicking on the name of the test in the column to the left of the values or from the drop-down menu available immediately above the graph.



The graph displayed as in the previous figure, does not consider the temporal distance among the dates in which the tests have been recorded, therefore the points representing the values are all equidistant. However, by clicking the **Change Visualisation** button, the chart will adjust to display the data relative to the time between tests.

By clicking the Hide chart button, the graph of the test display will be closed.

13. Treatment

The *Treatment* module allows the recording of the prescribed therapy for the patient.

By clicking the **TREATMENT** button, the form where the HCP can view and record the medication that the patient takes will open.

Diabetes therapies will be recorded based on the dose timing (breakfast, lunch, dinner, and before bedtime), in which the quantity of intake will be specified.

If insulin pump devices are used, it will be possible to record separate doses and quantity of intake by adding customisable dosing times.

The values of the Correction Factor (CF), Insulin carbohydrate ratio (*I/Cho*) and minimum and maximum glycaemic targets for the calculation of boluses can be recorded and displayed.

Drug therapy			INIENT MEDICAL HIS						🗣 Chat	✓ FollowUp	💄 Personal Data 📑	Reminder
Prescriptions												New date
21/06/2022												
21/06/2022												
lypoglycaemia											I	Edit
 Able to recognise the Hyp 	ooglycaemia symj	ptoms:										
reatment											Only diet	Edit
Description			Breakfa	st Lunch	Dinner	Total IU	Freq.	Note			Adverse event	Side effe
METFORMINA DOC G.*30CPR	850MG (cp)		1		1							
/IPIDIA*28CPR RIV 12,5MG (c	:p)			1								
lotes												Add
Notes nsulin pumps Bolus Calculation Info	ormation											Add Add Edit
lotes nsulin pumps iolus Calculation Info	ormation Night	Fasting	Before Breakfast	After Breakfast	Morning snack	Before Lunch	After Lui	nch	Snack	Before Dinn	er After Dinner	Add Add Edit Bedtime
Notes nsulin pumps Bolus Calculation Infc Correction Factor	ormation Night 100	Fasting 100	Before Breakfast 100	After Breakfast 100	Morning snack	Before Lunch	After Lui 100	nch	Snack 100	Before Dinn	er After Dinner 100	Add Add Edit Bedtime 100
Notes nsulin pumps Bolus Calculation Info Correction Factor I/C ratio	ormation Night 100 1/2	Fasting 100 1/2	Before Breakfast 100 1/2	After Breakfast 100 1/2	Morning snack 100 1/2	Before Lunch 100 1/2	After Lun 100 1/2	nch	Snack 100 1/2	Before Dinn 100 1/2	er After Dinner 100 1/2	Add Add Edit Bedtime 100 1/2
Notes nsulin pumps Bolus Calculation Info Correction Factor I/C ratio Minimum glycaemic target	Night 100 1/2 4.0	Fasting 100 1/2 5.0	Before Breakfast 100 1/2 5.0	After Breakfast 100 1/2 5.0	Morning snack 100 1/2 5.0	Before Lunch 100 1/2 5.0	After Lun 100 1/2 5.0	nch	Snack 100 1/2 5.0	Before Dinn 100 1/2 5.0	er After Dinner 100 1/2 5.0	Add Add Edit 100 1/2 5.0

To save a new prescription click the **New date** button. The calendar will be displayed from which to select or type a date. The new data will be recorded.

The new date will be displayed in the page header.

Prescriptions				
27/01/2021 03	3/12/2020 02/12/2020	23/10/2020 29/05/2019	21/05/2019 15/05/2019	14/05/2019 13/05/2019

Clicking the icon will cancel the data that has been entered within that day. From the following day onwards only the administrators can change or remove data.

In the absence of a previous treatment, after creating a new date it will be possible to add the prescriptions by clicking the Add button. In the presence of previous treatment, click the Edit button.

13.1 Hypoglycaemia

Record the history of previous severe hypoglycaemic events experienced by the patient, also logging the symptomatic or asymptomatic nature.

Information about the patient's ability to recognize symptoms of hypoglycaemia can be added.

Below there is a sample image of the *Hypoglycaemia Management* window, where it will be possible to enter the related data:

Hypoglycaemia Management				– 🗆 ×
Self-monitoring N° Hypoglycaemia: 5	3.9-3: 0	3-2.5: 2	<2.5: 3	^
Severe Hypoglycaemia No Yes				
Symptomatic Hypoglycaemia demonstrated: 🛛	o Yes			
Asymptomatic Hypoglycaemia demonstrated:	No Yes Partially Symptom	atic		
Questionnaire to define the capability to recog	nize Hypoglycaemic Symptoms			
Are you able to recognise Hypoglycaemia (Low Blood	Glucose)?	Never Sometimes	Often/Always	
Below what value do you feel low blood glucose?		3.9 to 3 mmol/L 3 to 2.5	5 mmol/L Below 2.5 mm	nol/L
During the last year, have you had any severe Hypogly attention from another person or glucagon injections	caemic events which required the or medical help in general?	No		
Able to recognize the Hypoglycaemia symptoms: Notes				~
Cancel			Print	Save

The card is divided into five sections: *Self-Monitoring, Severe Hypoglycaemia, Symptomatic Hypoglycaemia Demonstrated, Asymptomatic Hypoglyacemia Demonstrated, Questionnaire to define the capability to Recognize Hypoglycaemia Symptoms.*

Self-monitoring

In the presence of values of blood glucose downloaded from *Data Management*, ALLY will automatically calculate the N° hypoglycaemias relative to the patient being treated.

The number of blood glucose measurements with values between 3.9 and 3, 3 and 2.5 and less than 2.5 will also be shown in detail.

Severe hypoglycaemia

By clicking the ves button the N° Events from last visit can be specified.

By clicking the Add button, a new line will be created. In this line it will be possible to specify the data of the last hypoglycaemia as visible in the following image:

	-					
Self-monitoring N° Hypoglycae	emia: 5	3.9-3: 0	3-2.	5: 2	<2.5: 3	
Severe Hypoglycaemia No	re Hypoglycaemia No Yes N° Events from last visit					Add
Date	Occurred at	Aid	Result	Sequelae	Note	
02/08/2021 🖾	Ý	~	~	~		Ê

Having entered the hypoglycaemia data, data in another section can be added or the **Save** button clicked to save data already entered.

Symptomatic Hypoglycaemia Demonstrated

By clicking the <u>Ves</u> button the HCP will be able to specify the *N* ° *Events per Week* and the time of day when episodes of symptomatic hypoglycaemia occur more frequently. An example image is shown below:

Symptomatic Hyp	ooglycaemia demonstra	ted: No Yes	\checkmark		
N° Events per week	1	Mainly at: Day	Night	Day and Night]

Asymptomatic Hypoglycaemia Demonstrated

By clicking the <u>Ves</u> button, it will be possible to specify *N° Events per Week* and the time of day in which asymptomatic hypoglycaemia episodes occur most frequently. An example image is shown below:

Asymptomatic Hy	poglycaemia demonstra	ated: No	Yes 🗸	Partiall	y Symptomatic
N° Events per week	2	Mainly at:	Day N	ight	Day and Night

Questionnaire to define the capability to Recognize Hypoglycaemia Symptoms

This questionnaire allows the evaluation of the patient's ability to recognize the symptoms of hypoglycaemia.

Questionnaire to define the capability to recognize Hypoglycaemic Symptoms	
Are you able to recognise Hypoglycaemia (Low Blood Glucose)?	Never Sometimes Often/Always
Below what value do you feel low blood glucose?	3.9 to 3 mmol/L 3 to 2.5 mmol/L Below 2.5 mmol/L
During the last year, have you had any severe Hypoglycaemic events which required the attention from another person or glucagon injections or medical help in general?	No Yes First aid or hospitalisation Both Both

After completing the questionnaire, ALLY will display a result indicating the patient's ability to recognise the symptoms of hypoglycaemia.

The following are possible results:

- Preserved (green colour)
- Partially preserved (orange colour)
- Absent (red colour)

The result of the questionnaire is also displayed on the tabs *Eye, Heart, Peripheral Nervous, Cerebral Vessels*.

Annotations to the *Notes* field can be made.

The following image shows a completed *Hypoglycaemia Management* tab.

Hypoglycaemi	ia Manageme	ent					– 🗆 ×
Self-monitoring N° Hyp	poglycaemia: 5	3.9-3:	0	3-2.5: 2		<2.5: 3	^
Severe Hypoglycaemia	No Yes		N° Events from last vis	it			Add
Date	Occurred at	Aid	Result	Sequelae		Note	
02/08/2021 🖾	Night ~	Oral Glucose 🗸 🗸	Passing 🔨	Neurological	~		Ŵ
Symptomatic Hypoglyd	caemia demonstrated	I: No Yes√					
N° Events per week	1 N	Iainly of: Day V Nigh	t Day and Night				
Asymptomatic Hypogly	vezemia demonstrate		artially Symptomatic	 ו			
Asymptomatic hypogr	2						
N° Events per week	3N		Day and Night				
Questionnaire to defi	ne the capability to r	ecognize Hypoglycaer	nic Symptoms				
Are you able to recognis	e Hypoglycaemia (Low E	Blood Glucose)?	1	lever Someti	mes✓	Often/Always	
Below what value do you	u feel low blood glucose	?	3	.9 to 3 mmol/L	3 to 2.5	5 mmol/L✓ Below 2.5 m	mol/L
				[person or	r glucagon injection	
During the last year, have attention from another p	e you had any severe Hy person or glucagon injec	poglycaemic events whic tions or medical help in q	in required the peneral?	lo Yes√	First aid c	or hospitalisation	
				l	Both		~
Able to recognize the Hy Notes	ypoglycaemia symptom	IS: PARTIALLY PRESER	RVED				
inotes							~
Cancel						Print	Save

13.2 Treatment

The section summarises the detail of the treatment prescribed to the patient.

After creating a *new date* a prescription can be added by clicking the Add button. In the presence of a previous treatment, click the Edit button.

The following image shows an example of the *Drugs management* window. The system automatically repeats the previous treatment prescribed to the patient that can be modified either by deleting or adding medications or changing the units of insulin associated with individual meals.

The reason for each individual medication that has been prescribed can be recorded and a note added by clicking the + button corresponding to the medication for which a note is needed.

Once a note is added, a 🖹 icon will be displayed.

By clicking the final icon the system deletes the corresponding medication.

The medication in the current prescription will no longer appear in *Drugs management*.

The last two prescribed treatments are always visible in the lower part of the window.

Drugs management Date 10/11/2021							- 0	×					
Description	↔	Breakfast	Morning snack	Lunch	Snack	Dinner	Before bedtime	Total IU	Freq.	Note	Advers e event	Side effect	
Novorapid*FLEX 5PEN 3ML 100U/I (UI)	М	9		10		8		27	~	+			⑪
Tresiba*FLEXT 5PEN 3ML 100U/ML (UI)	-						13	13	~	+			Ŵ
Total Insulin Units 40 Units I	Pro-	Kg 0.3											
Patient under basal titration		Patient unde	er prandial ti	tration						Dis	splay Prev	viously T	herapy
Start typing name of drug					Drug	~	' Active	ingredier	nt			Search	۱
Results found													-
Drug					Active	ingredient							
Cancel										DIET O	NLY	Save	

At the base of the table that summarises the therapeutical medications, the system displays two automatic calculations: *Total Insulin Units* and *Units per Kg*.

Whether the patient is prescribed *prandial* or *basal titration* can be specified.

By clicking **Display Drugs Search** in the lower part of the window medications can be searched for.

Active ingredient
INSULINA LISPRO DA DNA RICOMBINANTE

Type the drug or active ingredient to be prescribed and click the **Search** button.

By clicking the required drug displayed in the search list, the drug will be added to the patient's therapy and the dose can be added to the meal columns.

Click on **Display Previously Therapy** to return to the previous view.

In the *Drugs Management* window, by clicking the DIET ONLY button the addition of medication is not possible.

By clicking the Save button, the treatment will be saved.

13.3 Notes

By clicking the Add button or the Edit button, the following window will be displayed. In this window a note can be added and also saved as a template.t

Note Management		– 🗆 ×
Note	Add template	Select template
Cancel		Sava
Cancer		Save

By writing a note and clicking the Save button, the note will be stored in the date of the current prescription. By clicking the Add template button a template with the current note will be created, as shown in the following image:

Template Note	Managen	nent – 🗆	×
Patient's progress	X⊠≜	Patient's progress	+
New template	×⊠≑	over the course of outpatient care recorded some improvements	
Cancel		Save Insert	

The creation of templates allows the preparation of repetitive standard phrases, self-control prescription schemes etc. which can be entered with a single click in the therapy text note. This is generally delivered at the end of the visit to the diabetic patient.

After specifying the name of the new template, click the **Save** button to save it.

To insert a note from the saved templates, click the **Select template** button and a window will appear as shown below:

Template Note Managem	nent – 🗆 ×
Patient's progress 🛛 🗙 🕍 🚖	Patient's progress +
New template 🛛 🗙 🖾 🚖	over the course of outpatient care recorded some improvements
Cancel	Save Insert

In the left column, the titles of the available templates are visible. By click the desired template, the text of the note will be displayed in the right area. Click the **Insert** button to add it.

The templates can be deleted by clicking the \times button in the template corresponding to the template to be deleted.

Templates can be shared by clicking the $\boxed{}$ button. Once the sharing is activated, the corresponding icon will turn blue $\boxed{}$.

A list of favorite notes can be created by clicking the $rac{1}{2}$ button. The notes added to the favorite list will have a $rac{1}{2}$ icon as shown in the following image:

Template Note N	lanagement		-		×
New template Patient's progress New template 2 New template 3	X 2 * X 2 * X 2 * X 2 *	New template 5			+
New template 5	XII				
Cancel		Save	Ins	ert	

The notes in the favourites list will be visible in the *Note Management* window (as shown below) as "quick entry keys". If they are clicked, they produce text entry without opening the *template selection* window.

Note Manage	ement		– 🗆 ×
Note		Add template	Select template
New template 2	Patient's progress		
	-		
Cancel			Save

13.4 Insulin pumps

The section summarises the details of the *Hourly Units* (insulin) which are set by times.

After creating a new date	, in the abse	ence of a previous se	tting, click on the	Add	button
to customise the time slo	ots and the	relative Time Units.	If there are previ	ous settings,	it will be
necessary to click the	Edit	button.			

A sample image of the *Timetable Management* window follows:

Timetable management $-\Box \times$							
From	Hourly units	x					
00:00	1.000	Ŵ					
06:00	3.200	Û					
09:00	1.100	ŵ					
12:00	2.500	1					
20:00	3.000	ŵ					
23:00	1.250	ŵ					
Cancel	w Time Slot Save						

By clicking the **Cancel** button, it will be possible to exit the *Timetable Management* without saving any entered or modified data.

By clicking the **New Time Slot** button, a new line will be created where the time and the *Hourly Units* of insulin can be set.

In the absence of previous set times, ALLY will create the first line with starting at 00:00. By clicking the button several times, more rows will be created with an increment of your choice (the default is 60 minutes).

It is possible to change the time by clicking on it and typing in the desired time. It will be necessary to specify the *Time Units* before clicking the **Save** button, to save the new data.

In the *Treatment* module there is a summary of the settings that have been made for the insulin pumps as shown in the following image:

Insulin pumps							Edit
From	00:00	06:00	09:00	12:00	20:00	23:00	Total Daily
Hourly units	1.000	3.200	1.100	2.500	3.000	1.250	Total/Units-Kg
Total for band	6	9.6	3.3	20	9	1.25	49.15

13.5 Calculation of the boluses

The bolus calculation section enables the calculation of the insulin bolus based on the Carbohydrate count (Correction Factor, CHO Insulin Ratio and Glycaemic Target).

Firstly, select the type of ready-made insulin that is used for the calculation.

Bolus Ca	culation Information	_ (×
Select drug:			~
	Actrapid*SC EV 1FL 10ML100UI/M		^
	Apidra*SC 1FL 10ML 100U/ML		
	Apidra*SC 5CART 3ML 100U/ML		
Correction Fac	Apidra*SC 5CART 3ML 100U/ML		
I/C ratio	Apidra*SOLOST SC 5PEN 100UI/ML		
	Humalog NPL=>Humalog BASAL		
Minimum glyc	Humalog*200U/ML KWIKPEN 5PEN3ML		
Maximum gly	Humalog*IM SC 1FL 10ml 100U/ml		
	Humalog*KWIKPEN 100U/ML BORDEU		
	Humalog*KWIKPEN 5PEN 3ML BORDE		
6	Humalog*SC 1FL 10ML 100U/ML		
Cancel	Humaloo*SC 1EL 10ML 100U/ML		\sim

The calculation parameters are then saved. If only one glycaemic target is used, it is sufficient to use just one of the two parameters which are indicated (Min or Max).

When a new date is entered, the data is resubmitted and can be modified to speed up the prescription calculation.

Bolus Calculation Information – • ×											
Select drug: Apidra*SOLOST SC 5PEN 100UI/ML											\sim
	Night	Fasting	Before Breakfast	After Breakfast	Morning snack	Before Lunch	After Lunch	Snack	Before Dinner	After Dinner	Bedtime
Correction Factor	5	5	5	5	5	5	5	5	5	5	5
I/C ratio	10	10	10	10	10	10	10	10	10	10	10
Minimum glycaemic target	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Maximum glycaemic target	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
					,						
Cancel								Delete		Save	

14. Statistics

The *Statistics* module allows data to be interpreted and analysed with the added aid of graphs.

By comparing and cross referencing the data, the system processes the information stored in the database and displays the list of patients who meet the search criteria that have been set.

For example, it is possible to find out how many, and which patients with type 1 diabetes have developed non-proliferating retinopathy and isolate those who have undergone laser treatment for macular involvement; the number of hospitalisations due to diabetic ketoacidosis in a given period of time, and so forth.

The investigations can have varying degrees of complexity, assembling more information (e.g. how many patients have undergone amputation of the lower limbs due to peripheral artery disease after a certain number of years of illness, subdivided by gender and/or type of antidiabetic treatment).

Once a distinct list of patients has been selected based on specific characteristics, (for example, patients presenting the onset of kidney disease after 20 years of illness), it is then possible to further study the statistical research. For example, the average value of glycosylated haemoglobin among such patients can be calculated.

Additionally, the list of such patients in the Patient Archive can be viewed and all of their data directly accessed.

From the *Statistics* module the conditions of the statistics can be imported and exported.

Below there is an image in which the two buttons are highlighted to import and export a statistic:

ALL PATIENTS TELEVICANTHANTIENTS		STATISTICS USEF	RS	₿
H Statistics S Import S Export		🖓 Cha	it 🗭	
Statistics				
Find patients Results				
Saved Query List +	Statistics Period			
 Preset queries 	6 months 1 Year 2 Years 5 Years Select Period 🗁 03/09/2020 - 03/09/2021 🗋 Search of last value			
All Patients	All Datients	Manuar		a I.
TeleHealth Patients		New St	tatistics	• 1
Other groups				

14.1 How to develop a statistic

The *Statistics* module displays a page structured by default in two main tabs:

- Find Patients
- Results

Find patients

The criteria (queries) used to process a statistic can be selected from the *Saved Query List* or by creating new conditions based on the requisites of the research.

ALL PATIENTS TELEHEALTH PATIENT		STATISTICS	5 A 6 M	6
🔟 Statistics 🗳 Import 💣 Export		🗣 Chat	*	
Statistics				
Find patients Results				
Saved Query List	- Statistics Period			
 Preset queries 	6 months 1 Year 2 Years 5 Years Select Period 🖾 10/11/2020 - 10/11/20	21 🗌 Search of last val	ue	
All Patients	All Patients	New stati	etice	
TeleHealth Patients		incu stati	Juca	
	All patients	Save		
		Run		

By clicking the **Export** button statistics queries can be exported and saved in a file. The statistics can then be imported into other ALLY installations by clicking the **Simport** button in that installation.

The saved queries will appear in the *Saved Query List* that appears in the left column of the *Find Patients* tab of the *Statistics* module.

By clicking the name of a query stored in the *Saved Query List,* the statistic criterion will be retrieved and displayed. By clicking the **Run** button the list of the relevant patients can be viewed.

During the setting of some statistics, it is necessary to select a period of time in which the research can be performed. This is obtained by clicking the intervals already set or by choosing specific dates from the calendar, as shown in the following image:



In order to process a new statistic which is not included in the saved statistics, click the New statistics button.

ALLY 10.10.x User Manual Ver 220712 8100-10574 Rev A The description of the query can be inserted in the 'Statistics name' field that can be located to the left of the New statistics button.

Next, select the desired condition from the drop-down list.

ALL PATIENTS TELEHEALTH PATIENTS		STATISTICS USERS
Statistics Find patients Results		
Saved Query List	+ Statistics Period	
 Preset queries All Patients TeleHealth Patients Other groups 	6 months 1 Year 2 Years 5 Years Select Period 06/09/2020 - 06/09/2021 Search of last value Statistics name Add Image: All following conditions (A AND B) Add Add	New statistics
	Add Father Group Add Son Group Add Query	

By moving the mouse over the description of the condition, the Add button and the icon are displayed.

The Add button allows the user to:

- Add Condition: conditions related to a specific query
- *Add Father Group:* add a condition group belonging to a level which is higher than the previously set one
- *Add Son Group:* add a group of conditions belonging to a level which is lower than the previously created group
- *Add Query:* add conditions belonging to a previously saved query

The 💼 button deletes all set conditions.

Add condition

By selecting the function *Add Condition* the system opens a dialogue box as shown in the following image:

Set Condition				_ 🗆 ×	¢
Modules list	Search filter				
Active ingredient Active ingredient ATC Archive Classifications Complications Diabetes Diagnostic procedures Diabetes history Diagnostic Test Drugs (Diabetes therapy) Drugs (Other) Drugs Events Exams Family history Hypoglycemia - Self-management Lifestyles Lower Limbs Materials Archive By Category National Price List Past medical history Personal data Physiological history Protocol Start Drug Therapy	weight Exams list Cerebrospinal flu. Specific Weig Excess weight Max Weight [Kg] Min Weight [Kg] Specific Weight (Ser) Theoretical Body Weight [cm] Weight [kg] Weight increase [Kg]	ght			
·····					
	Status	Values			kq
	Greater ~		50		5
Cancel				Add	

To set the condition, select the module from those in the *Modules List*.

In the example image above, the *Exam* module has been selected. Afterwards, the "Weight" *search filter* has been set, then the *Weight* [*kg*], the "Greater" *Condition* and the "50" *Value* have also been selected.

By clicking the Add button the condition created in the *Statistics* start page will be set and displayed.

In order to add new conditions, click the Add button and repeat the sequence of activities as described above.

In the lower section of the *Statistics* tab the conditions set are summarised as in the following image:

Search all patients with (the exam selected is Weight [kg] with value Greater 50) in the period: 13/06/2018 - 13/06/2019

To view the list of patients related to the statistic, click the **Run** button. A request to save the statistics will appear in the *Saved Query List*, after which, the result will be automatically displayed.

Results

The list of patients resulting from the query will be displayed in this section. In the left column, the list of laboratory exams will appear, which, if selected, will activate the *Calculate per patient* button **Calculate per patient** allowing the calculation of the *Average, Minimum, Maximum* and *Standard Deviation*, for the patients who are on display.

L PATIENTS TELE	HEALTH PATIENTS								STATIS	STICS USERS	8.8
Statistics										🗣 Chat	*
Statistics											
Statistics											
Find patients	Results										
Data quality	Exams		Exam Period								
Select Exam			6 months	Year 2 Years 5 Y	ears Select Period	06/09/2020 - 0	6/09/2021				
			T				6			1.1.1	
Exams list			Iotal Patients (o	n last exam values):	Average: Minimu	im: Maximum:	Standard Deviation:			aiculate per pa	adem
11 Deoxycorticos	terone [pg/ml]	\sim	Last name	First name	Date of birth	Determinations nr.	Average:	Minimum:	Maximum:	Stand. Do	ev.
11 Deoxycortisol	[ug/dl]										
11 desossicortiso	lo [ng/ml]										
17 Beta Estrad. F.	F.Lut. [ng/L]										
17 Beta Estrad. F.	Menop. [ng/L]										
17 Beta Estrad. M	. [ng/L]										
17 Beta Estrad.F.	F.Foll. [ng/L]										
17 Ketosteroids [ng/24h]										
17-B-Estradiol [p	g/ml]										
17-Hydroxycortic	osteroids urine F. [mg/24 h]										
17-Hydroxycortic	osteroids urine M. [mg/24 h]									
17-Ketosteroids F	. (urine) [mg/24 h]										
17-Ketosteroids N	/l. (urine) [mg/24 h]										
17OH Progester a	ifter ACTH [ng/ml]		Total patients: 0								
17OH Progester b	oasale		iotal patients. 0								
17OHP (17-idross	iprogesterone) [ng/dL]		All patients								
17OHP (17-idross	iprogesterone) [ng/ml]										
170HP (idrossion	ngesterone)										

It also allows the calculation of the Average, Minimum, Maximum and Standard Deviation. over the selected population, with reference to a specific laboratory test.

Assemble and perform a complete statistic

To search for all patients who have been suffering from type 2 diabetes for more than ten years, click the New statistics button and position the mouse on the drop-down menu where the conditions are chosen. On the right side, the Add button will appear. This button, once clicked, will display the menu to select the option Add Condition, as shown in the following image:

ALL PATIENTS TELEHEALTH PATIENTS		STATISTICS USERS 💥 🖶 Qi Chat 🔅
Statistics Find patients Results		
Saved Query List	+ Statistics Period	
Preset queries All Patients Teelevalth Patients Other groups	femonthy Trees 2 Tears 5 Select Period 2 66/09/2021 Search of last value Statistics name All following conditions (A AND B) Add Add father Group Add Son Group Add Query	New statistics
		Save Run

By clicking Add Condition a window will appear. From this window the first condition can be set. ALLY 10.10.x Page 67 of 82 User Manual Ver 220712 8100-10574 Rev A Then, select *Diabetes history* in the modules list followed by *Diabetes Types* under Select Field. Choose Type 2 Diabetes from the *Diabetes Type List*, as shown in the following image:

		Select Field			
Active ingredient	^	Diagnosis date	Insulin start date	Diabetes Types	~
ATC Archive		Dishatas Tura List			
Classifications		Gastational diabatas			^
Complications		Gestational diabetes	waan E 7 and 6 40/		
Diabetes Diagnostic procedures		Giycated nemoglobih bei	ween 5.7 and 6.4%		
Diabetes history		IFG			
Diagnostic procedures					
Diagnostic test					
Drugs (Diabetes therapy)		Mody diabetes (1,2,3,4,5,	5,7 etc)		
Drugs (Other)		Non-diabetic patient			
Drugs Events		Normal glucose toler. at 1	the follow-up		
Exams		Not familial Dyslipidemia			
Family History		Other type of diabetes (H	IV/congenital rubella)		
Hypoglycaemia		Other: not com. form of i	mmune-med.		
Ipoglicemia - Autocontrollo		Overt diabetes in pregna	ncy		
Lifestyles		Permanent neonatal diab	etes		
Lower Limbs		Secondary diabetes - Cys	tic fibrosis		
Materials Archive		Secondary diabetes - Dru	g-induced		
Materials Archive By Category		Secondary diabetes - End	ocrinopathies		
Paediatric History		Secondary diabetes - Pan	createctomy		
Parents (Paediatrics)		Self-diagnosis			
Past medical history		Transient hyperglycemia			
Pediatrics		Transient neonatal diabet	es		
Personal data		Type 1 diabetes - idiopat	nic		
Physiological history		Type 1 diabetes - immune	e mediated		
Protocol		Type 2 diabetes			
Start Drug Therapy		Wolfram syndrome			

By clicking the Add button the first condition can be set.

To set the second condition, position the mouse on the drop-down menu where the conditions are chosen, click the Add button and select Add Condition. Select Diabetes History again in the Modules list. However, this time it will be necessary to select the Diagnosis Date option and select Less in the Condition drop-down menu. Afterwards, in the Values field set a preceding date of 10 years as shown in the following image:

Modules list		Select Field				
Active ingredient	^	Diagnosis date	~	Insulin start date	Diabetes Types	
ATC Archive		- agrices acce				
Classifications		Status		Values		
Complications		Less	~		17/07/2009 💟	
Diabetes Diagnostic procedures						
Diabetes history						
Diagnostic procedures						
Diagnostic test						
Drugs (Diabetes therapy)						
Drugs (Other)						
Drugs Events						
Exams						
Family History						
Hypoglycaemia						
Ipoglicemia - Autocontrollo						
Lifestyles						
Lower Limbs						
Materials Archive						
Materials Archive By Category						
Paediatric History						
Parents (Paediatrics)						
Past medical history						
Pediatrics						
Personal data						
Physiological history						
Protocol						
Start Drug Therapy	\sim					
					_	

By clicking the Add button the second condition that will search for patients whose diagnosis dates back at least ten years can be set.

The summary of the set conditions will be visible, shown as follows:

ALL PATIENTS TELEHEALTH PATIENTS		STATISTICS USERS
Statistics Find patients Results Saved Query List	+ Statistics Period	
 Preset queries All Patients TeleHealth Patients Other groups 	6 months 1 Year 2 Years 5 Years Select Period (C) 06/09/2020 - 06/09/2021 Search of last value Statistics name Image: All following conditions (A AND B) Image: Diabetes History, The type of diabetes is the same Type 2 diabetes and Diabetes History, Date of diabetes diagnosis is Less 18/06/2009 and	New statistics
	Search all patients with (The type of diabetes is the same Type 2 diabetes and Date of diabetes diagnosis is Less 18/06/2009) in the period: 06/09/2020 - 06/09/2021	Save Run

After selecting the search criteria, by pressing the save button, the statistics query is saved and may be re-run in the future.

15. Users

It is necessary to be a Site Administrator user in order to display the 'Users' module.

The 'Users' module permits the viewing of the list of authorised users and the managing of the related accounts and permissions.

ALL PATIENTS TELEHEALTH PATIENTS	STATISTICS USERS	23	8
📚 Users list 🎝 Add 上 Edit 👃 Add Community User	🖓 Chat (1)	٠	

The User navigation bar contains the following functions:

- 'Users list' (Site Administrator only): displays the list of users stored in the ALLY database
- 'Add' (Site Administrator only): Creation of a new user
- 'Edit' (Site Administrator only): Edit recorded users
- 'Add Community User' (Site Administrator only): Add users already recorded in other sites

By accessing the 'Users list', the list of users stored in the database is displayed.

rs is list 🔍 Permissions 🔒 A	dd							USERS 🚼 🖶
rs list	Search in the	e centre V Search	Advanced search					
Login	Centre	Name	User type	Last access	Password change date	Administrator	Global Administrator	Disabled
,User.user	Diabetology	User	Physician	23/06/2021 17:05	25/05/2021			
User1.user1	test 1	. User1	Physician			۲		
User2.user2	test	User2	Physician			۲		0
User3.user3	Diabetology	User3	Physician	30/07/2019 09:11	26/07/2019			
User4.user4	Diabetology	User4	Physician		01/01/1900			
User5.user5	Diabetology	User5	Physician		01/01/1900			
User6.user6	Diabetology	User6	Physician	03/07/2019 09:15	19/06/2019			
	Is a second seco	s ist Permissions 2, Add rs list Search in the Login Centre Juser.user Diabetology User1.user1 test 1 User2.user2 test User3.user3 Diabetology User4.user4 Diabetology User5.user5 Diabetology User6.user6 Diabetology	s ist s list Login Centre Search in the centre Search Juser.user Diabetology User User1.user1 test 1 User1 User2.user2 test User2 User3.user3 Diabetology User3 User4.user4 Diabetology User3 User5.user5 Diabetology User5 User6.user6 Diabetology User6	Search In the centre Search In the centre Advanced search Login Centre Name User type JUser.user1 test 1 User1 Physician User2.user2 test 1 User2 Physician User3.user3 Dabetology User3 Physician User4.user4 Dabetology User4 Physician User6.user6 Dabetology User5 Physician	s ist s ist Login centre bieldogy User Search Manaced search UserLuser Diabetology User Physician 23/06/2021 17:05 UserLuser Diabetology User Physician 23/06/2021 17:05 UserLuser Diabetology User Physician 100 User Search Physician 23/06/2021 17:05 User Search Physician 23/07/2019 09:11 User Search Physician 23/07/2019 09:11 User Search Physician 23/07/2019 09:11 User Search Physician 23/07/2019 09:15 User Search Physician 23/07/2019 09:15 Search Physician 23/07/2019 09:15	s ist menuscon 1 a dat rs list Los and in the centre of Sanda Casta Cesardo Los cuardo Casta Cesardo Casta Cesardo Casta Cesardo Los cuardo Casta Cesardo Casta Cesardo Casta Cesardo Los cuardo Casta Cesardo Casta Cesardo Casta Cesardo Casta Cesardo Los cuardo Casta Cesardo Casta Cesardo Casta Cesardo Casta Cesardo Los cuardo Casta Cesardo Casta Cesardo Casta Cesardo Casta Cesardo Casta Cesardo Los cuardo Casta Cesardo Casta Cesard	site environment is and interviewent is a constrained of the second of t	Section And Sist Section Section Advanced section Loser.user (LuserA) Section Main Main <th< th=""></th<>

The search for a user already registered in the database can be performed in two different ways:

- 'Search' button; the search will be performed by entering either the 'login' name or the 'First name'/'Last name' of the user and the centre to which they have access.
- 'Advanced search' function; the function allows a search using further criteria in order to select personal data: 'User type', 'Administrator' and 'Disabled'.

Users list							
Search by Login, First Name, Last Name	Search in the centre	Search Advanced sea	irch				
Find users with							CLOSE
User type		Administrator		Global Administrator		Disabled	
	~	All	~	All	~	All	v

The User list table shows the following data for each user: 'Login', 'Centre', 'Name', 'User Group' and the data related to the use of the account: 'last access', 'password change date', 'administrator', 'disabled'.

The icons in the last two columns indicate the administrator permissions; a green icon \bigotimes if the user is enabled and a red icon \bigotimes if the user is disabled.

Use	rs list	Search in the centre	V Search Advanced search						
	Login	Centre	Name	User type	Last access	Password change date	Administrator	Global Administrator	Disabled
۹	,User.user	Diabetology	User	Physician	23/06/2021 17:05	25/05/2021			
۹	User1.user1	test 1	. User1	Physician			۲		
٩	User2.user2	test	User2	Physician			0		٢

By clicking the title of the columns, the Site Administrator can change the sorting of the displayed data in ascending or descending order.

Name 🔻	
--------	--

Changes made to the layout will be saved by exiting the program. These changes are saved for the current user allowing customisation for each user of ALLY.

15.1 Add a new user

By clicking the Lad button a window will open where the Site Administrator can enter the data relating to the new user, as shown in the following image:

Enter User				_ 🗆 ×
Log in data				
* Username	Username			
Password	Password		Confirm password	Confirm password
* User type	Select user type	~	Administrator	
* User group		~		
User Data				
* Last name	Last name		* First Name	First Name
Name			NHS ID	NHS ID
Gender	○ Female ○ Male		Date of birth	Select a date 15
			Address	Address
Town	Town		Phone	Phone
Mobile phone	Mobile phone		E-mail	E-mail
Relationship type	Employee	~		

The fields marked with an asterisk (*) are mandatory and cannot be omitted. They are: 'Username', 'User Type', 'User Group', 'Last Name' and 'First Name.'

After entering the necessary data, click the **Save** button' to create the new user and store the data in the database.
15.2 Modify a user's data

By double-clicking the line corresponding to a user or the solution, after selecting the user, the window containing the details will open:

Edit User			×
Log in data			
* Username	test user		
Password	Password	Confirm password	Confirm password
* User type	Non-clinical user	Administrator	
* User group	Permissions Non-clinical user	r	
User Data			
* Last name	test user	* First Name	test user
Name	test user test user	NHS ID	NHS ID
Gender	\bigcirc Female \bigcirc Male	Date of birth	Select a date 15
		Address	Address
Town	Town	Phone	Phone
Mobile phone	Mobile phone	E-mail	E-mail
Relationship type	Employee		
Cancel		Permission mana	Disable Save

Click on "Permission management' to change the user permissions.

After changing or integrating the user details, click the 'Save' button to store the data in the database. It is possible to access the details of the current user from any module of the program by clicking the name of the authenticated user which is shown at the bottom right of all screens.

	XX219	YY219	Male	01/01/1929	
	XX22	YY22	Female	01/01/1940	\sim
201 - 2	213 of 1069 patients found				
			<	User.User - Test 🕅 🔒 🤇	ጋሀ

15.3 Management of user permissions

In the user details window, there are two buttons:

• - 'Disable': clicking the **Disable** button the corresponding account will be deactivated and the related user will no longer be able to access ALLY.

In the user list, a red icon will appear in the 'Disabled' column of the corresponding user.

Use	rs list	Search in the cardra	 Search Advanced search 					
	Login	Centre	Name	User type	Last access	Password change date	Administrator	Disabled
۹	,User.user	Diabetology	User	Physician	23/96/2021 17:05	25/05/2021		
3	UserLuser1	test 1	. User1	Physician			•	
4	UseQuse2	het:	User2	Physician			0	0

To enable the user account again, open the user detail sheet as described above and click on the **Enable** button.

Gender	\bigcirc Female \bigcirc Male	Date of birth	Select a date 15
		Address	Address
Town	Town	Phone	Phone
Mobile phone	Mobile phone	E-mail	E-mail
Relationship type	Employee 🗸		
Cancel		Permission	mana Enable Save

• 'Save' Clicking the **Save** button ensures all changes are saved in the system.

15.4 Add Community User

By clicking the Add Community User button a window will open where the Site Administrator can enter the email address relating to a user already registered in another site, as shown in the following image:

		Search
Name		
	Name	Name

Enter the user email address and click 'Search'.

Add Community User		_ 🗆 ×
sam.smith@email.com		Search
Login	Name	
sam.smith@email.com	Sam Smith	
Cancel		

Select the user dispayed in the table and click 'Yes' in the 'Add Community User' window to add the user to the current site, as shown in the following image:

🀞 Add Community User		\times
Do you want to add Practice site ?	sam.smith@email.com	to the The Patel
	Yes	No

The user will be automatically added to the user list of the current site.

ALL PATIENTS TELEHEALTH PATIENTS	L PARTIENTS TELEHEALTH PARTENTS STATSTICS USERS USERS USERS USERS CAR			∺ ⊜ ¢				
Users list Search by Login, First Name, Last Name	Users list Search by Login, First Name, Last Name Search Advanced Search							
Login	Site	Name	User type	Last access	Password change date	Administrator	Disabled	
John.green@email.com	The Patel Practice	John Green	Administrator	19/05/2022 14:34	16/05/2022			
sam.smith@email.com	The Patel Practice	Sam Smith	Administrator	24/05/2022 11:09	17/05/2022	0		

Next time the user enters their login details into ALLY, the following window will be displayed:



site they wish to access and click 'Ok'.

16. Change password

*

The password or your account information can be changed by clicking on the e-mail address on the bottom navigation bar.

Dr. Rossi - Diabetology 🛱 💼 🕐 🕛

Information such e-mail address, telephone number and password can be changed.

Edit User			_ □ ×
Log in data			
* Username	mario.rossi	Site	Diabetology ~
New password	Password	Confirm password	Confirm password
User Data			
* Last name	Rossi	* First name	Mario
Name	Rossi Mario		
Mobile phone	Mobile phone	Phone	Phone
		E-mail	mario.rossi@email.com
Cancel			Save

17. Print

In each ALLY module a summary of the current window can be printed.

In the upper right corner, there is the 🔂 icon which, if clicked, will display a menu with the 'Print current page' as shown in the following image:



By clicking the 'Print current page' option, a window will open with the preview of the page that will be printed. An example image is shown below:



On the print preview page, clicking the printing margins and enable the export of the document to pdf.

To print the document as visible from the preview, click the 😓 button.

To select a printer other than the default, click the 🛛 🔮 button.

18. Settings

By clicking the 🗱 icon on the right of the menu, some ALLY modules can be customised, as shown in the following image:

Settings		_ □	×
Settings	Settings - Layout	Layout and Text setting	ngs
Layout Personal data Layout Visible Fields	Text Size Margins width Titles	20 p 14 p 13 p 13 p	ot ot ot
	Preview: Title Subtitle Lorem ipsum dolor sit amet, consectetur adipiscing elit, et dolore magna aliqua. Ut enim ad minim veniam, quis aliquip ex ea commodo consequat. Duis aute irure dolor dolore eu fugiat nulla pariatur. Excepteur sint occaecat o officia deserunt mollit anim id est laborum Heading	, sed do eiusmod tempor incididunt ut labore s nostrud exercitation ullamco laboris nisi ut or in reprehenderit in voluptate velit esse cillum cupidatat non proident, sunt in culpa qui Heading	
Cancel		Initial Settings Save	

In the left column there is the list of modules where it is possible to make customisations.

18.1 ALLY settings

Layout

In this section the font sizes of all the text present in ALLY and the size of the text margins can be modified.

By modifying an element, immediate feedback in the 'Preview' area in the lower part of the window is given.

18.2 Personal data

Customise the module in which the patients are searched.

Layout

The following options are available:

- 'Position of the patients search bar': Position the search bar at the top or on the left of the personal data search form
- 'First Name' and 'Last Name' search fields: Set a single line in which to insert 'First Name', 'Last Name' or 'Last Name', 'First Name' during the search phase a distinct line each for 'First Name' and 'Last Name'
- 'Patient's main page': Set which module is opened, after performing a patient search and double-clicking on the patient's name.

By default, the 'Patient Search Bar Position' is positioned 'at the top' and the search module will be displayed as shown in the following image:

ĺ	ALL PATIENTS TELEHEALTH PATIENTS		ST.	TATISTICS	*	•
Ì	Patient List	Saura NUC courts				1
	First Name	Last name	Gender			d

There will be a single text field where the HCP can search by 'First Name', 'Last Name' or 'Last Name', 'First Name' of a patient.

By changing the setting of 'Position of the patients search bar' onto the left side, the search module will be displayed as shown in the following image. The 'First Name' and 'Last Name' search field options will be separate 'First Name' and 'Last Name' fields as shown in the following image:



Visible fields

Which fields to display in the grid of the personal data search results can be decided, as shown in the following image:

Settings		_ 🗆 ×
 Settings 	Personal data - Visible Fields	Set fields to be displayed
Layout	Field	Visible
 Personal data Layout 	Personal Details	
Visible Fields	Address	
Required fields	Data Processing Consent	
	Date of Birth	\checkmark
	First Name	\checkmark
	Folder Closure	
	Gender	\checkmark
	Last Name	\checkmark
	NHS ID	\checkmark
	Contacts	
	E-mail	
	Emergency Contact	
	Emergency Contact e-mail	
	Emergency Contact Mobile	
	Emergency Contact Phone	
	Home Phone	
	Mobile	
	Work Phone	
Cancel		Initial Settings Save

The only mandatory fields which cannot be hidden are: 'First Name' and 'Last Name'.

19. Information

By clicking the *(i)* icon on the bottom navigation bar links to the following are displayed:

- User Manual
- Regulatory Documents (EULA, Data Privacy Policy, Cloud Security Policy)
- Last software updates
- Customer Service details
- Manufacturer details

Resources		_ 🗆 ×
۵	USER MANUAL User manual	CUSTOMER SERVICE E-mail: customercare@agamatrix.co.uk Freephone: 0800 093 1812 Website: www.agamatrix.co.uk Monday to Friday 8.00am – 5.30pm
ſ	ABOUT <u>Updates</u> <u>EULA</u> <u>Data Privacy Policy</u> <u>Cloud Security Policy</u>	MANUFACTURER METEDA S.r.I. Via Antonio Bosio, 2 00161 Roma (RM) Close

20. Directives and reference standards

The device was designed in compliance with Directive 93/42 / EEC, (and subsequent amendment 2007/47 / EC) and with the following standards:

- UNI CEI EN ISO 13485 Medical devices Quality management systems Requirements for regulatory purposes
- EN 62304 Software for medical devices Software life cycle processes
- UNI CEI EN ISO 14971 Application of risk management to medical devices
- CEI EN 62366 "Medical devices Application of engineering features for the use of medical devices".
- ISO 15223-1 Symbols to be used in medical devices, labeling and information to be provided.