

Healthentia

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INSTRUCTIONS FOR USE

HEALTHCARE PROFESSIONALS

IFU Version v4.0 (01/03/2025)

INNOVATION SPRINT SRL Clos Chapelle-aux-Champs 30, bte 1.30.30 1200 Brussels, Belgium



ABOUT

The Healthentia Portal is a collection of various modules. Several modules are considered as medical devices and are covered by the CE mark according to the European Regulation 2017/745:

- Subjects-based dashboard: The HEALTHENTIA system offers several subject-level dashboards. There are three broad categories of information to be presented through visualizations related to each subject: subject overview, their reports and their measurements.
- Alerts: The Alerts functionality is using a user interface to set rules and thresholds regarding values collected from various sources like questionnaire answers or IoT devices as an absolute number for a period of time or relative to previous vectors in a period of time. These will then create alerts to clinicians or tag patients.
- Virtual coaching: It is the functionality that allows the user (subject/patient) to interact with an embodied conversational coach for informative and motivational purposes. Users of the HEALTHENTIA Mobile app can interact with the virtual coach through natural language in a controlled manner (I.e., no free text/speech input). The dialogues that are supported by the virtual coach are scripted interactions, which are authored by our clinical experts. Users can navigate through the dialogues by choosing at each step of the conversation between a number of provided reply options. In this way, it is feasible to provide an engaging natural language user interface to the virtual coach, while keeping strict control over which information is provided to the user, or which advice is given.
- Other supportive modules of portal: Study services (questionnaire editor, composite questionnaire, study configurator, multisite study), subject list, study-level dashboard.
- Other supportive modules of backed: scheduler, security & regulatory, management, data handling, API & SDK.

Information

For more information, please visit: <u>https://healthentia.com</u> For any privacy related questions or requests, you can contact: <u>dpo@healthentia.com</u> For general questions, you can contact: <u>info@healthentia.com</u>

Report of serious incident

Any serious incident that has occurred in relation to the Healthentia Medical Device App, you can contact the manufacturer (Innovation Sprint Srl) in: support@healthentia.com and the authority having jurisdiction in your locale.

Technical support

Healthentia support service is offered at best-effort level. For any technical support queries, you can contact: support@healthentia.com Our support team will reply to you within 1 working day.

Paper version of IFU

If you would like a paper version of the instructions for use, please contact the manufacturer at the following e-mail address: <u>info@healthentia.com</u>. It will be delivered within 7 calendar days after receiving the request.

INTENDED PURPOSE

Healthentia is a software intended for: a) the collection and transmission of physiological data including heart rate, blood pressure, oxygen saturation, and weight directly to care providers via automated electronic means in combination with validated IoT devices; b) the visualization (subjects-based dashboards) and the mathematical treatment of data (trends analysis, alerts) related to the monitored chronic disease subject's physiological parameters; c) the transmission of patient's outcomes and outcome scores related to patient's health status, health-affecting factors, health-related quality of life, disease knowledge and adherence to treatment through validated



questionnaires; d) the user (subject/patient) interaction with a conversational virtual coach for informative and motivational purposes, in order to support subject telemonitoring, decision making and virtual coaching.

CLINICAL BENEFITS

The use of Healthentia allows to:

- Provide objective inputs for healthcare professionals to support diagnosis.
- Highlight evolution of physiological parameters by trends analysis of the patient's inputs
- Allow healthcare professionals to provide the same quality of care and safety as the standard of care.

CLINICAL INDICATIONS

Telemonitoring of chronic disease patients (such as heart failure, cancer, COPD, etc.)

CONTRA-INDICATIONS

- Healthentia is not intended for the monitoring of patients in critical situations (operating room, emergency, intensive care).
- Any physical or cognitive condition that, in clinical judgment, would prevent the patient from using Healthentia, e.g. dementia.
- The device should not be used during pregnancy.
- Healthentia has not been tested with paediatric population. Therefore, Healthentia is intended for adult use only (>18 years old) and does not cover use by children.

PATIENTS TARGET GROUP

Chronic disease patients taking part of clinical investigation or a medical treatment

INTENDED USERS

Telemonitored patients and their healthcare professionals

USE ENVIRONMENT AND DURATION

Healthentia can be used as Remote Patient Monitoring solution for patients that are released from hospital and have to follow a certain treatment. Duration depends on the study or intervention or patient's will.

WARNINGS

- The device is not intended to replace the care of a health care professional, including prescription, diagnosis or treatment.
- Consult periodically the Alerts dashboard as it may influence the follow-up of your patients.



PATIENT INFORMATION

Please inform your patient about the following information:

- Healthentia is not monitored in real time by healthcare personnel; it is intended for non-emergency communication only. In case of an emergency, contact your care unit or the emergency number by phone.
- In some special cases, the self-care advice and instructions provided by Healthentia may not be applicable to your situation. If you have questions about your care, symptoms and management, contact the health care team.
- If you have questions about your care, symptoms and management, contact your healthcare team.
- The device is not intended to replace the care of a healthcare professional, including prescription, diagnosis or treatment.
- Telemonitoring does not replace regular check-ups with your doctor. Consult your doctor in case of severe and persistent symptoms.
- In combination with Healthentia, use only measuring devices for which the technical performances (accuracy, precision) have been verified by your healthcare provider as it may affect the outcome of your monitoring.
- Verify the consistency of your clinical data and the good transfer of them to your healthcare provider as the quality of the diagnosis and treatment is partially based on this information.

DISCLAIMER

- The user is responsible of the final assessment of the diagnosis and treatment decided for the patient.
- The device providing information to support diagnostic and therapeutic decision, but the overall clinical context should be taken into consideration before taking any decision.

MINIMUM REQUIREMENTS

Supported hardware

Any personal computer that is using the supported Operating System (OS) and browser – see below- is a supported hardware device.

Operating system/browser requirements

Healthentia Portal requires a stable Internet connection and a compatible device (laptop, desktop, etc). The operating systems supported are:

- Microsoft Windows: version 8.1 and above
- MacOS: version 10.15 and above
- Linux: LTS distributions released after 2019

This device will need an up-to-date internet browser in order to consult the web application. It is suggested using one of the following browsers that were each tested:

- Google Chrome: version 93 and above
- Mozilla Firefox: version 88 and above
- Safari: version 12 and above
- Microsoft Edge: version 93 and above

Specific issues that come in at Innovation Sprint from the users (post-market surveillance) are analyzed and when a systematic error on one browser is detected, this is added to the backlog and prioritized for the correct version.

INTEGRATION WITH OTHER DEVICES

measurement	Min. accuracy	Medical module
Blood pressure	≤10mmHg (at least 85% probability)	Yes
SpO2	Arms ±2-3% of arterial blood gas values	Yes
Heart (RHR, max,)	±10% of the input rate or ±5 bpm	Yes
Weight	±0.5-1.0 kg	Yes
Physical activity (steps,)	n/a	No
Sleep	n/a	No

The accuracy requirements for IoT devices that are connected to Healthentia are listed below.

Healthentia App is compatible with other devices to collect lifestyle information and vital signs. The supported devices intended for use together with Healthentia are:

- Garmin trackers and watches via the Garmin API (Android & iOS)**: Fenix 5 pro, Fenix 6 pro, Forerunner 945, Vivoactive 4, Vivosmart 4, Venu 2S,
- Fitbit trackers and watches via the Fitbit API (Android & iOS)**: Versa, Inspire 2
- iHealth devices via Bluetooth (Android & iOS): Connected Blood Pressure Monitor iHealth Track (KN-550BT)*, Smart body composition scale iHealth Fit (HS2S)**, Smart Pulse Oximeter - iHealth Air (POM3)*
- Polar belt via the Polar API (Android & iOS): H9**
- * Device has acceptable accuracy for the intended purpose of Healthentia
- ** Device does not have acceptable accuracy for the intended purpose of Healthentia and can <u>only</u> be used for measurements that do not require accuracy (e.g. step counter, sleep).

These devices constitute a safe combination and currently there is no device specific information on any known restrictions to combinations. It is the responsibility of the healthcare provider to select the connected devices, among the validated ones listed above, that are appropriate for the intended purpose in terms of measurement accuracy, repeatability and range as it may affect the diagnosis of the patient. Healthentia displays values in international metrics (m, kg, s) regardless of the preference of the patient in his/her IoT device.

SECURITY & PERFORMANCE

Security

Innovation Sprint is committed to protecting the security of data subject's information and takes reasonable precautions to protect it, including protection against unauthorised access, necessary to run the software as intended. In this context, Innovation Sprint regularly evaluates and reviews technologies, facilities, procedures and potential risks to maintain the security and privacy of users' data, paying particular attention to role-based access and logging

of health data access. Moreover, any potential changes to software applications, provided services and/or hardware systems are properly justified, evaluated and registered based on international best practices and standards.

- Avoid using public wi-fi networks to connect to Healthentia when you are about to add and/or manage health data and/or your profile details.
- Do not use jailbroken devices.
- Passwords should be at least eight (8) characters long, contain characters from three of the following four groups: Lowercase letters, Uppercase letters, Numbers (0-9), Special characters.
- Never store your passwords on your devices.
- Change your passwords at least every six months.
- Install an anti-malware program on your devices and update it regularly.
- Make sure that each e-mail you register in Healthentia corresponds to you.
- Ignore and delete messages of doubtful origin and do not follow links that include and refer to websites.
- Do not reveal by phone, e-mail, Internet form, or social media, confidential information such as your username, password.
- Always use the most up-to-date versions of your device operating system and Healthentia App.

Performance

- Provide objective inputs for healthcare professionals to support diagnosis and patient management;
- Highlight evolution of physiological parameters by trends analysis of the patient's inputs;
- Increase patient's adherence to treatment.





ABOUT	2
Intended purpose	2
Clinical benefits	3
Clinical indications	3
Contra-indications	3
Patients target group	3
Intended users	3
Use environment and duration	3
Warnings	3
PATIENT INFORMATION	4
DISCLAIMER	4
MINIMUM REQUIREMENTS	4
Integration with other devices	5
SECURITY & PERFORMANCE	5
Table of Contents	7
1 Getting Started	9
1.1 Login/Register as a portal user	9
1.2 Forgot password as a portal user	9
2 STUDY Management	0
2.1 STUDY OVERVIEW	D
2.2 Setting up a new STUDY1	1
3 Dashboard1	2
3.1 INTERACTIVE MAP1	2
3.2 BI dashbaord	3
4 Subjects	4
4.1 ADD A SUBJECT	4
4.2 SUBJECT RECORD	5

	Healthentia Instructions For Use (IFU) – Healthcare Professionals – IFU version v4.0 01-03-2025	
4.3	SUBJECT LIST	15
4.4	TAGS & DYNAMIC ALERTS (not a medical module)	16
4.5	ALERTS DASHBOARD	17
4.6	DYNAMIC LISTS	17
5 No	tifications	19
5.1	NOTIFICATION LOG	19
5.2	INSTANT Notifications	19
5.3	Scheduled Notifications	20
6 МІ	ESSAGES-TELECONSULTATION	2 :
6.1	MESSAGE INBOX	21
6.2	TELECONSULTATION	22
7 EC	ONSENT	23
7.1	eCONSENT	23
8 Qu	l estionnaireS Error! Bookmark not def	fined
8.1	Questionnaire list	25
9 Us	erS	23
9.1	ROLES & PERMISSIONS	27
9.2	User List	28
10 AU	IDIT TRAIL	29
10.1	PORTAL LOG	29
10.2	Application log	~

1 GETTING STARTED

HEALTHENTIA can be used both by individuals and by sponsors of clinical trials. Individuals can report and monitor their outcomes (e.g. symptoms) and activity and receive automatic-generated questionnaires for wellbeing. Aggregated data provided after users' consent, can be processed for conducting non-profit research studies. Clinical trial sponsors can operate HEALTHENTIA to collect ePROM/ePREMs under the appropriate regulatory framework (e.g. Good Clinical Practice) to carry out study protocols, often by the use of a PaaS instance of the platform. Individuals, depending on their consent information, may receive invitation to participate in research studies.

This manual is targeting Organization Admins, Study Admin, Investigators and other authorized personnel of the Study Portal.

1.1 LOGIN/REGISTER AS A PORTAL USER

To login user should go to the login page, which is available in <u>https://saas.healthentia.com</u> for the SaaS version, or a specified URL for the PaaS version.



Figure 1: Login page

Figure 2 - Registration page

Users receive an invitation from an Organization Admin to register their account and enter in the portal in the allocated study with an allocated role.

1.2 FORGOT PASSWORD AS A PORTAL USER

If you can access to your account, use the forgot password button in the login page.

Password Recovery Wat send you instructions is small	:Healthentia
Your small 20	Hello Irida Manika, Please reset your password by clicking here.
Basist possioned . •	Convright © 2022 All Rights Reserved - Healthentia

Figure 3: Recovery password and email reset

Users receive an email for set up a new password and login to their account.





2.1 STUDY OVERVIEW

After log in you are directed to the Study Overview Page – My Studies, which has a list of your available studies and some overall statistics. You can access your Studies, edit them or create a new one.

Healthentia Real World Outcome	MY STU	IDIES										↓ ⊠	is Inr	ovation	Sprint 、
Symptom Tracker															
III DASHBOARD															
STUDY	Overc	ll		Trac	ked Activity			Ad	herence		L	ast week'	s activity		
	3 studie	9S		6073	9 days			28	04 events from 23	9 participants	1	subjects with	reported ever	its	
	422 pc	articipants		128 si	ubjects			38	5/624 answered	questionnaires	1	participants			
. ALERTS															
🧪 ECONSENT	Drag a co	olumn header here to gr	roup by that colum	n							Q Se	arch	🕀 🖬	D 8	30
	Icon	Name	Organization	T	Codename	T	Disease	T	Patients	Status	T	Alerts		Action	15
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DEVICES		lest Study-I	ORG_1		testirida				U	ONGOING		•		_	
	ø	Interface	ORG_6		Interface		HIV Remote Pat	ient	66	ONGOING		10			÷
	:#	Symptom Tracker	ORG_1		COVID19				356	ONGOING		285		Ľ	÷
	10 5	0											<	1	>

Figure 4 - Study Overview



2.2 SETTING UP A NEW STUDY

From this first page, you have the option to create a new study. Depending on the type of study, investigator provides different information. In Figure 5 one can see the available configurations for the study per se but also the mobile App. There is a selection of available widgets to select for the new study and configure the data sources but also several fields to fill in like Name, Code, logo, Languages, therapeutic area, duration and consents.

Healthentia Real World Outcorr		CREATE STUDY							A 🖾	Konstantina Kostopoulou ~
-	_	OREATE DIODT								
Symptom Trocker	Ť									
R DASHBOARD		GENERAL								
		Account Settings								
		Name: *		Therapeutic Area	E	Codename: *				
ALERTS										
/ ECONSENT		Protocol:		Duration In Mont	hs:		Start Date:		End Date:	
🙊 MESSAGES							2021/05/14			
NOTIFICATIONS		Primary Language: *	Add More Languag	IOS:				Study Logo: 🕕		
		Select Y								
SYSTEM										
🖉 DEVICES								Choose File No	file chosen	
AUDIT TRAIL		Additional Services								
		Video-Chat	Multicenter		Interactive Map					
		MOBILE CONFIGURATION								
		Study Information Page:					Study Logo on App: 🚯			
		Leave empty for no information Page	2				Choose File No file chosen			
		Pop-up for Study's terms & Privacy	0							
		Short Term's Description:					Terms of Use URL: 1			
		Leave empty for no Short Terms Desc	cription				Leave empty for no Terms of Use			
							Privacy Policy URL:			
							Leave empty for no Privacy Policy			
		Available Consents								
		General Terms		llowing Reporting		Contacte	d by doctor in case of need			
		_								
		Additional App Widgets	Two-Factor Au	theatleation	Liquid consumpt	line	Elean Widnet			
							stop moget			
		Activity Widget (Available Integral	tions)							
		Fitbit Sync	🧭 Garmin Sync		Apple Health Syr	no	Mandroid Sync			
			EIGURATION							
		SUBJECT DETAIL PAGE CON	NOURATION							
		First/Last Name		Fiscal Numbe	м		Study Dates		Severity	
		Managed Fitbit		Tracker Desc	ription		Mobile Description		Therapeutic Area	
		Subject Id		Email			Phone Number		Stotus	
		Time Zone		📝 Language			Gender		Weight	
				Birth Date			✓ Togs		V Notes	
										Connect O Create O
										Create ()

Figure 5 - Create New Study

3 DASHBOARD

The user dashboard contains information of the selected study in tabs, e.g. Interactive map, Study Overview, Measured Activities Overview and Outcomes Overview. This is a customizable set of dashboard tabs; they depend on the Outcomes that each trial collects. The map is connected to a Location question, Measured activity requires a connection the mobile sensors (or fitbit, Garmin, etc) and the reported outcomes tab has a self-service mechanisms for questions asked in the questionnaire to be seen in two types of graphs

3.1 INTERACTIVE MAP

At the configuration of the study, the Study Admin can select to enable the interactive map if there are questions regarding location. Portal users can select parameters through several filters and have an overview of subject outcomes at a geographical level, as presented in Figure 6.



Figure 6: Interactive Map





3.2 BI DASHBAORD

Further to the Interactive map, there are other tabs in the Dashboard that can be configured with study Overview statics, like registrations and protocol adherence – Figure 7.



Figure 7: Study registration and compliance overview



Figure 8: Study Measured Activities statistics overview



4 SUBJECTS

4.1 ADD A SUBJECT

Subjects are either imported via an integration with an EDC into Healthentia as inactive subjects that are activated once they have logged in to Healthentia, they can be manually added by the button on the Subject List or invited through the system from the Subject Invitations. The email used for the invitation will be recognized by the system to allow them, at registration on the App to enter to the specific Study. **Not using the same email will not enroll the Subject in the correct Study.**

									A 8	s In	novation Sprint ~
	Healthentia Real World Outcomes	SUBJECT INVI	Invite Subjec	rt				×		-	
	Symptom Tracker		Send an invitation	to a Subject email	o the						
hi		Drag a column he	study with or witho	out an Invitation co	de			Q Sear		1 I I	1 0 8 2
X		Status	Email: *					ed On (Brow	7 Joined	On (Brow 🝸	Invited By
<u>191</u>			Email					t	Q		Q
		nec.	Phone Number:(Re eConsent)	quired only for				5/2020, 00:12:3	B		
		RDC	+32 XXX XXXXXX	X				5/2020, 18:00:4	5 🛛 21/		
		NDC	Invitation Code:					5/2020, 23:22:5	0 🛛 23/		
		RBC	No Code	~				5/2020, 08:23:0	4 📿 28/		
	Subject Invitations	noc V				10		5/2020, 10:25:3	1 📿 28/		
		RBC				- Se	and invitation	6/2020, 17:41:3	B Ø 02/	06/2020, 17:4	
		noc.	OKIMJ	c2945c48-	-c4e0-421	COVID19	04	/06/2020, 17:38:1	0 🛇 04/	06/2020, 17:3	
Â		RBC	E5VZ9	1198e107-	-986e-464	COVID19	09	/06/2020, 14:07:3	5 🞯 09/	06/2020, 14:0	
1		noc.	627ZS	700b9f87-	e756-4e8	COVID19	11	/06/2020, 14:50:5	7 🞯 11/	06/2020, 14:5	
9		RBC	XZQXH	9a4c0628-	368e-43d	COVID19	11	/06/2020, 22:34:5	5 🞯 11/	06/2020, 22:3	
		10 50						< (1 2	3 4 5	29 >
ŧ											

Figure 9 - Invite Subjects

Similarly, to the Email invitation above, the investigator can invite patients by providing them a code. Subjects can enter this code at the registration, even if they have not received an email. Once they register, they are automatically connected to that specific study only. They can be massively generated to use one per subject and or one can be used for all the subjects for the Study as seen in Figure 10: Create Invitation Codes

			🏩 🔝 Innova	tion Sprint 👻
Healthentla Real World Outcomes		Create Invitation Code	-	
Symptom Tracker 🗸 🗸 🗸		Type a Codename or generate a random name by using the lcon		
LII DASHBOARD	Drag a column header here to	Name or Generate a Code:	Search 🧖 🕹 🖬	6 8 2
🗕 STUDY 🗸	Active 🍸 Creat	Code 😨 🔽 Patient D	cument Id	Actions
SUBJECTS ^	Q	Number of times the Code can be used:		
Subject List	✓ 15/09	Total times		D 🗇
Tag List	✓ 15/09	Used together with an invited email Unavailab	e	۵.
Dynamic Lists	× 27/05	(Create Code		
Custom Fields	✓ 20/10	Unavailab	e	۵.
Subject Invitations	✓ 20/10	/2020, 11:04:56 BCCBNV 0 / 4 NO Unavailab	e	۵
Codes	5 10		< 1 2 3.	4 >
LUSERS V				

Figure 10: Create Invitation Codes

Each Subject has a record of profile details and several other tabs of different information coming from the ePRO or the Activity tracker

4.2 SUBJECT RECORD

In the Subject record, the portal user that has permissions to view or edit the patient details and view ePRO related data and measured activity can have access to the different tabs of information coming from different sources. They can even have the ability to complete questionnaires for them.

#	Healthentia Real World Outcomes		SUBJECT DET	AILS					. ■	IS Innovation Sprint ~
	Symptom Tracker	~	Quantieur	the Monogram	Reported Dyopta	Questionnaire	Notifications	Moneurod	oth dhy Angelyd	Nos Consont Actions
لس	DASHBOARD		Medication Plan	ns messuges	керонец сченка	Questionnalie	s Notifications	Medisared A	cuvity Andiyi	Consent Actions
X	STUDY	~								
-101 -101	SUBJECTS	~	Subject Id: 19ED5	Email: 5e531aae- f23e91e2380b@h	-76e4-4eb8-bf90- iealthentia.com	Email Confirmed:	Tags:	t-Out Low	Not Synce	a
1	USERS	~	Name:	Fiscal Number:		No	http://dowing.op		linesines	
•	ALERTS	~	Innovation Sprint	******						
1	ECONSENT	~	Status: Enrolled	Time Zone:	Language: EN					
9	NOTIFICATIONS	~	Sex: Female	UTC+01:00 Weight: 55 kg	Height: 174 cm					
	QUESTIONNAIRES	~	Screening Date: 1	5-						
ŧ	SYSTEM	•	04-2020							
×	DEVICES	~			Last 7 Days	Weeks Last Quarter	Custom			Date Last Refreshed:
000	AUDIT TRAIL	~	Alerts						2	Questionnaire Adherence
					Figure 11 - Su	bject Details				

4.3 SUBJECT LIST

The subject's list gathers in a table all patients assigned in the specific study. The list table gives an overview of important elements like dates, Questionnaire adherence, tags, activity status and more.

Healthent Real Work	tia d Outcomes								¥ @	IS Innovat	tion Sprint 👻
Symptom	Tracker 🗸										
		Drag a column header here to	group by that column						Q Search	⊕ ⊑	• 8 C
Σ STUDY		Email	Subject Id	Registration Date	Qrs Adherence	Tags	Activity Source	Y Status	T Alerts		Actions
		Q	Q	Q		Q (All)			Q		
Subject Lis	ıt	008770b1-9470-4993-bb60	4N74N	15/04/2020	NaN %	APP TRACKING OPT-OUT	NoTracker	PAROLLED	0		2 :
Tag List		0120b285-3b98-43f5-9b83	63PLD	22/10/2020	NaN %	LOW NOT STINCED APP TRACKING OPT-OUT	NoTracker	PROLLED	0		1
Dynamic L Custom Fi	lsts elds	0200764e-c4c2-4777-8d94	FR106	25/04/2020	0 %	APP TRACKING OPT-OUT	NoTracker	PHROLLED	0		2 :
Subject Inv	vitations	022c0bd2-897c-40bd-b538	Y7B4X	14/04/2020	0 %	HIGH APP TRACKING OPT-OUT	NoTracker	PROLLED	0		2
Codes		02f1db47-6584-4d33-bae1	L4DFD	13/10/2020	NaN %	LOW APP TRACKING OPT-OUT	NoTracker	ENROLLED	0		2 :
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E SYSTEM		0636b5a8-b911-43fb-bf2f-2	FR9E5	30/04/2020	0 %	LOW APP TRACKING OPT-OUT	NoTracker	BROLLED	0		1
AUDIT TRAIL		0733e366-bbdb-4a88-ae2a	GVD5J	08/07/2020	NaN %	LOW APP TRACKING OPT-OUT	NoTracker	PIROLLED	0		2 :
		10 50							< 1 2 3	4 5	36 >

Figure 12 Subject list

4.4 TAGS & DYNAMIC ALERTS (not a medical module)

In the section of Tags, we list all the tags available in the study as seen in Figure 13 to be used for grouping the patients in their entry in the system or depending on their answers in the questionnaires. These tags can be than attached to an Alert seen in Figure 14 - Dynamic Alerts List. All Alerts are featured in a table as seen in Figure 14. As in all sections of the portal all data are exportable to an excel file.

Healthentia Real World Outcomes	TAG MANAGEMENT				¥ 🛛 (IS Innovation Sprint ~
Symptom Tracker	Drag a column header he	ra to group by that column			Coord	
		le to group by that column			Search	
STUDY	↓ Ittle	Created On	Type	T Status	T	Actions
SUBJECTS		Q.				-1.0
Subject List	Low	23/03/2020	Auto	ACTIVE		
Tag List	Medium	23/03/2020	Auto	ACTIVE		
Dynamic Lists	₽ High	23/03/2020	Auto	ACTIVE		🗹 🛍
Custom Fields	Dev	01/04/2020	Custom	ACTIVE		🗹 🛍
Subject Invitations	Not Synced	29/05/2020	Auto	ACTIVE		🗹 🛅
Codes	5 10 All				<	1 2 3 >
		Figur	e 13 Tags List			
Healthentia Real World Outcomes	CREATE DYNAMIC ALERT				1 🛛	Innovation Sprint ~

III DASHBOARD		Name: *	Status:	
			Active	•
		Portal Alert Message: (You can use {shortid} to incluse receipient's Short Id in your message)		
SUBJECTS	~			
. ALERTS		Push Notification Message:		
CONSENT				
		Email List: (Enter emails separated by spaces or commas)		
÷				
SYSIEM		Email Message: (You can use (Shortid) to incluse receipient's Short Id in your message)		
DEVICES				
AUDIT TRAIL				
		1		
		API Endpoint to Call:	API Alert Codename:	
		Tags to Apply:		
				Cancel 😣 Create 🏵

Figure 14 - Dynamic Alerts List



4.5 ALERTS DASHBOARD

The Alerts are shown in a separate Dashboard where the portal user has an overview of what tags are allocated and whether a patients requires an immediate action or has low adherence in his reporting of questionnaires.

#	Healthentia Real World Outcomes		ALERTS			A 8	KK Konstantina Kostopoulou ~
6	Interface	~					
â	DASHBOARD		Filter by Tags COVID19 POSITIVE	DOSE 1 COVIDVAX	DOSE 2 COVIDVAX FEEDBACK FITBIT TOKEN EXPIRED		IPTOM LOW ADHERENCE
1	SUBJECTS	~	LOW COVID RISK NOT SYNCED	PAZIENTE FRAGILE PS	SYCHIATRIC SUPPORT PSYCHOLOGICAL SUPPORT		
1	USERS	~					
!	ALERTS	~	Show: 50 ¥				
ľ	ECONSENT	~	Triggered On (Browser Time) ~	Subject Id 🗘	Alert Message	Тад	Manager ^
٩	NOTIFICATIONS	~	21/04/2021, 14:21:27	20575866	Patient 20575866 needs psychological support	PSYCHOLOGICAL SUPPORT	🖉 Giulia Micheli
	QUESTIONNAIRES	~	20/04/2021, 16:30:02	14455901	Subject 14455901 has «Questionario sulla Salute - EQ- 5D-3L» as pending		🛇 Giulia Micheli
∎. ≫	SYSTEM DEVICES	~	18/04/2021, 16:30:01	04588190	Subject 04588190 has «Questionario sulla Salute - EQ- 5D-3L» as pending		🔗 Giulia Micheli
	AUDIT TRAIL	~	18/04/2021, 13:15:19	14455901	Patient 14455901 is identified as FRAIL	PAZIENTE FRAGILE	🛇 Giulia Micheli
			18/04/2021, 13:12:09	14455901	Subject 14455901 has an HIVSRQ symptom alert	HIVSRQ SYMPTOM	🖉 Giulia Micheli
			17/04/2021, 19:19:56	03806999	Patient 03806999 needs psychological support	PSYCHOLOGICAL SUPPORT	🖉 Giulia Micheli
			17/04/2021, 16:30:02	03806999	Subject 03806999 has «Questionario sulla Salute - EQ- 5D-3L» as pending		Subject answered the questionnaire.
			15/04/2021, 16:30:01	15929649	Subject 15929649 has «Questionario sulla Salute - EQ- 5D-3L» as pending		🛇 Giulia Micheli
			10/04/2021, 09:10:41	11294295	Patient 11294295 needs psychological support	PSYCHOLOGICAL SUPPORT	🖉 Cristina Seguiti
				Figu	re 15 - Alerts Dashboard		

4.6 DYNAMIC LISTS

The Dynamic lists are used to group patients in a dynamic way. We create grouping requirements and patients are added automatically in a list when they meet the criteria. The attributes of patients that can be used as criteria for filtering the patient list are status, screening, termination or treatment switch date and even using tags that are explained below. As in all sections of the portal all data are exportable to an excel file, as presented in Figure 16.

Healthentia Real World Outcomes	1	DYNAMIC LISTS				¥ 📾	IS Innovation Sprint ~
Symptom Tracker							
LII DASHBOARD		Drag a column header here to group b	by that column			Q Search	🕀 🖬 🖻 😂 😂
STUDY		Title	Description	Created On	Y Status	T	Actions
		Q	Q	Q			
Subject List		test		05/03/2021	ACTIVE		🗹 🛅
Tog List		5 10 All					< 1 >
Dynamic Lists							-

Figure 16 Dynamic List table

Healthentia Instructions For Use (IFU) – Healthcare Professionals – IFU version v4.0 01-03-2025 ***** IS Innovation Sprint ~ \times DETAILS DYNAMIC LISTS Symptom Tro Title: Status III DASHBOARD test Active ~ X STUDY ~ Description: 302 SUBJECTS L Patient Criteria • ALERTS Status: . Enrolled ~ ~ • TIFICATIONS ~ Baseline Date: tion Date Taa E SYSTEM Back 😣 🤇 Show: 10 🗸 0 Sr. No ~ Subject ID Registration Date No matching records found Showing 0 to 0 of 0 entries (filtered from 95 total entries)

Figure 17 - Dynamic list details



5 NOTIFICATIONS

5.1 NOTIFICATION LOG

In the section of Notifications, we can see all communication sent by the system to patients, we can create instant notifications or scheduled. All notifications are listed by date in the Notification List and you have an overlook of the content of these notifications and if their type. As in all sections of the portal all data are exportable to an excel file, as presented in Figure 18.

Healthentia Real World Outcomes	NOTIFICATION LOG				L	🕻 🖂 🚺 Innovatio	n Sprint 👻
Symptom Tracker 🗸 🗸							
LII DASHBOARD	Drag a column header here to	group by that column			Q	Search 🖬 🕼	000
🗶 STUDY 🗸 🗸	Description	Туре	▼ Content	Recipients	Sent On (User Time)	Sent On (Your Time)	17
👑 SUBJECTS 🗸 🗸	۹				Q	D Q	
👤 users 🗸 🗸	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 02/02/2022, 16:24:58	
I ALERTS Y	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 02/02/2022, 14:21:49	
ECONSENT	<i>Instant Notification</i>	Instant	View Content	Liew Recipients (1)	<i>Based on each user's t</i>	ime 31/01/2022, 16:28:38	
- Instant Notification	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 31/01/2022, 16:27:03	
Scheduled Notifications	<i>Instant Notification </i>	Instant	View Content	Liew Recipients (1)	<i>Based on each user's t</i>	ime 28/01/2022, 20:46:50	
Notification Log	<i>Instant Notification </i>	Instant	View Content	Liew Recipients (1)	<i>Based on each user's t</i>	ime 28/01/2022, 12:33:32	
E QUESTIONNAIRES V	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 27/01/2022, 15:43:10	
🖉 DEVICES 🗸 🗸	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 27/01/2022, 14:39:19	
audit trail 🗸 🗸	<i>Instant Notification </i>	Instant	View Content	Liew Recipients (1)	<i>Based on each user's t</i>	ime 21/01/2022, 15:03:14	
	<i>Instant Notification</i>	Instant	View Content	L View Recipients (1)	<i>Based on each user's t</i>	ime 18/01/2022, 11:54:26	
	10 50					< 1	2 >

Figure 18 - Notification Log

5.2 INSTANT NOTIFICATIONS

Instant Notifications are the ad hoc messages that the investigator can send to a patient that hold a simple message or accompany a questionnaire. You can select individual recipients for the notification from the full subject list or filter by using tags or Dynamic Lists as seen in Figure 19.

Healthe Real We	entia orld Outcomes		INSTANT NOTIFICATION			*	X	IS Innovation Sprint ~
sympto	m Tracker	~						
III DASHBOA	RD		Notification Title:					
🗴 study								1
			Select Questionnaire:					
			Select Questionnaire					~
. Alerts			Choose direct recipient:					
🧪 ECONSEN								
	TIONS							
Instant P	Notification		Choose Tags:	Se	elect Existing Dynamic List:			
Schedul	ed Notifications	1			Select Dynamic List			Sourch O
Notificat	tion Log							Sedicit Q

Figure 19 - Instant Notification

5.3 SCHEDULED NOTIFICATIONS

Scheduled notifications are the ones that are created in the beginning of the study and are used to schedule the questionnaires to be sent to a group of recipients based on a filtering by tags or dynamic lists or to the whole list.

The scheduling of a notification can be done based on a regular Date with a Daily, weekly or Monthly interval sent once at a specific time or recurring. The system also allows the coordinator to send notifications based on the protocol's specific dates and X days before or after these days. You can see the Notifications List at Figure 20 and the New Scheduling Notification at Figure 21 - New Scheduled Notification.

	Logithentia						\times		ition Sprint $$
#	Real World Outcomes		SCHEDULED NOTIFICATION						
##	Symptom Tracker	~							
Litt	DASHBOARD		Drag a column header here to group by the	at column		Q Search		⊕ ⊑	6 🛿 🖓 🖓
X	STUDY	~	Description	Туре	T Content	Status		T	Actions
<u>191</u>	SUBJECTS	~	Q						
1	USERS	~	Weekly COVID19 Self-Assessment	Weekly	🖹 View Content	INACTIVE			🕑 💼
	ALERTS	~	Test	Monthly	🖹 View Content	INACTIVE			図 曲
P	ECONSENT	~	10 50 All					<	
9	NOTIFICATIONS	^							
					1.0.0				

Figure 20 - Scheduled Notifications

-									\times	IS Innovation Sprint ~
#	Healthentia Real World Outcomes		EDIT SCHEDULED NOTIFICATION							
***	Symptom Tracker	~								
601	DASHBOARD		Description: *		Stat	itus:				
-	071101/	~	Test		I	Inactive	~			
-	SIDDE		Schodulo Tuno:							
-	SUBJECTS	~								
<u>.</u>	USERS	~	Reduini O By poseille pore							
•			Frequency:	Day of Month:	End	d repeat:				
•	ALERTS	Ť	Monthly 🗸	1 🗸	N	Never	~			
P	ECONSENT	~								
•	NOTIFICATIONS	~	Recipient Tags:							
_										
	QUESTIONNAIRES	~								
ŧ	SYSTEM	~	Questionnaires:							
*	05 40 50	~	Diarrhea ×							
-	DEVICES									
886	AUDIT TRAIL	~	Message (Individual Notification):							

Figure 21 - New Scheduled Notification



6 MESSAGES-TELECONSULTATION

6.1 MESSAGE INBOX

End-users of the mobile app if the feature is enabled they can send a Message to the Investigator/study assistant and start a conversation. If needed the investigator can start a teleconsultation video link that will be valid for 15 minutes. See inbox in Figure 22 and the conversation in

Figure 23.

			. ∞	KK Konstantina Ko	stopoulou ~
UNANSWERED CONVERSATION LIST					
show: 10 🗸					🕹 Export
Subject 0 Title 0	Last Message	0	Sent On	Category 0	Reply
SBCYT Information	Subject Like arm pain		04/05/2021, 18:20:28	HEALTH	%
Showing I to 1 of 1 entries				÷-	1 -



	Apr 22, 2021	
Γωνηι - Konstantina Kostopoulou 12/13 PM		
		hello 12 54 PM
		Teleconsultation
		Teleconsultation request was sent.
		12:65 PM
		Teleconsultation has been completed. 12:57 PM
		Teleconsultation
		Teleconsultation request was sent.
		12:58 PM
		Teleconsultation has been completed. 12 S8 PM
		Teleconsultation
		Teleconsultation request was sent.
		6:27 PM
		Teleconsultation has been completed.





6.2 TELECONSULTATION

If needed, the investigator can start a teleconsultation video link that will be valid for 15 minutes, as shown in the Figure below.



Figure 24 – Teleconsultation



7 ECONSENT

7.1 ECONSENT

If the trial has an active eConsent, the eConsent is triggered by the Healthentia app after the user has registered and agreed with the Terms of the Healthentia application. Each eConsent form must have a unique Version and a unique Title in the context of this study or site (in case of multicenter trials). When creating or editing an eConsent form, users with the appropriate permission shall be able to: (1) add a plain text field to write the "Terms" of the eConsent Form; (2) add a plain text field to write the "Introduction" of the eConsent form; (3) upload a url from a video streaming provider to the eConsent form; and (4) define a Status. An eConsent setup has three status: "draft", "active" and "inactive". While in "draft" mode, the eConsent is editable. Once the investigator changes its status to "active", the eConsent is locked and no longer editable. The "inactive" status is given to eConsent forms that are no longer active but that have been signed at least by one study participant. See Figure 25 and Figure 26.

#	Healthentia Real World Outcomes		E-CONSENT					×.	🖂 🥵 Inn	iovation Sprint v
•	Symptom Tracker	~								
	DASHBOARD		Drag a column beader here to grou	up by that column				Q. Search	(†) 🕞	a 82
X		~	Title		Version		Files		Questions	Actions
<u>₩</u>	SUBJECTS	~	Q		Q		Q		Q	Actions
•	USERS	~	eConsect		1		El Video			國日面
•	ALERTS	~								
1	ECONSENT	^	5 10						<	
	eConsent Setup									
	Healthentia		Consent Terms: *	Fig	ure 25 - eConsent	list				
			Normal + B I U +	▲ ※ 등 ≡	- • •					
	Symptom Tracker	~	Lorem ipsum dolor sit amet, consectet: euismod arcu a, cursus turpis. Nunc eu	ur adipiscing elit. Etiam u erat varius lectus lobo	n metus mi, convallis eget oroi in, dignissim la ortis vehicula. Aenean vel cursus nibh. Vestibi	cinia magna. Nu ulum gravida ulti	illam vitae enim vulputate, faucibus rices quam, vitae venenatis sem di	s purus sed, viverra urr ictum sed. Vivamus Ior	na. Etiam in mauris em erat, malesuad	porttitor, a ao
Lad	DASHBOARD		scelerisque id, pretium at tellus. Intege ullamcorper quam, eu elementum met	r sagittis ipsum a leo m us nulla cursus tellus. \	tattis, in dapībus līgula sagittis. Donec sodale /estibulum ante ipsum primis in faucibus orci l	s sed nisi ut dap luctus et ultrices	oibus. Vivamus ac metus mi. Phase a posuere cubilia curae; Nam interc	ellus efficitur, neque se fum elit eros. Nullam d	d ultricies vestibulu ictum leo magna, e	m, augue nisl t vulputate
X		~	nisl porta semper.							
*	SUBJECTS	~								
L	USERS	~								
•		~								
I	ECONSENT	~								
9	NOTIFICATIONS	~	Video:							
	QUESTIONNAIRES	~								
	SYSTEM	~								
ø	DEVICES	~								
888	AUDIT TRAIL	*	Remove							
			https://d124911ch5fj5i.cloudfront.ne	t/28bec756-85a5-4	1277-a77a-a192bee6d7fe/his/eConsent%	620(descriptio	n).m3u8			
			Comprehension	ro: *		Score three	old to proceed to signing *			
			eConsent comprehension Assessme	ant 🗸		2	ore to bupping to adding: .			
			Signing							
			Email Verification	none Verification						
									Cancel	Save 🥘

Figure 26 - eConsent configuration

The process of signing an eConsent form can only be completed after a mobile app user has verified his identity providing a code received via email or mobile phone. Once the participant has signed the eConsent, a pdf document is created with the name, date and signature of the participant on top of the Terms plain text. The pdf document created after the participant signed the eConsent is saved in the Healthentia Patient documents with type "consent". Once the participant has signed the eConsent, the tag of the eConsent in the subject list changes from "not started" to "requires signature".

#	Healthentia Real World Outcomes		SUBJECT ECONSE	NT LIST						A [*]	🖂 🏿 IS Ir	novatio	on Sprint 🗸
##	Symptom Tracker	~											
. l	DASHBOARD		Drag a column header	r here to group by that co	olumn					Q Searc	:h	G	9 8 2
X	STUDY	~	Sr. No	Email	Short Id	Consent Info	Version	Consent Date	T.	Comprehension	Status		File
	SUBJECTS	~		Q	Q	Q	Q	Q		Q	Q		
1	USERS	~	1	008770b1-9470-499	4N74N	ECONSENT	1				NOT REQUIRED		٩
!	ALERTS	~	2	0120b285-3b98-43f	63PLD	ECONSENT	1				NOT REQUIRED		٩
I	ECONSENT	^	3	0200764e-c4c2-477	FR106	ECONSENT	1				NOT REQUIRED		\$
	eConsent Setup		4	022c0bd2-897c-40b	Y7B4X	ECONSENT	1				NOT REQUIRED		\$
	Patient Status		5	02f1db47-6584-4d3	L4DFD	ECONSENT	1				NOT REQUIRED		٢
9	NOTIFICATIONS	~	6	0386c094-ec78-460	XKOI4	ECONSENT	1				NOT REQUIRED		٩
	QUESTIONNAIRES	~	7	03be2883-bc59-4e1	4KFYB	ECONSENT	1				NOT REQUIRED		٩
Ŧ	SYSTEM	~	8	058672a6-57fe-49c	ZXF3X	ECONSENT	1				NOT REQUIRED		٩
ø	DEVICES	~	9	0636b5a8-b911-43f	FR9E5	ECONSENT	1				NOT REQUIRED		٩
000	AUDIT TRAIL	~	10	0733e366-bbdb-4a	GVD5J	ECONSENT	1				NOT REQUIRED		٩
			10 20							< 1 2	3 4 5		36 >

Figure 27 – Subject eConsent list



8 QUESTIONNAIRES

8.1 QUESTIONNAIRE LIST

The portal allows the study coordinators to create a questionnaire with different question types but also allows the questionnaire to be uploaded from a specified excel file. These questionnaires are then sent to the patient through a notification. In the Questionnaire management one can see the list of available questionnaires in the study and the number of questions that each has as well as their status and date created.

A list of qualified questionnaires is made available. A qualified questionnaire, specifically a Patient-Reported Outcome Measure (PROM), in the context of a clinical research system, refers to a standardized, validated instrument used to assess health outcomes directly from patients. Such qualified questionnaires include standardized set of questions and be validated through rigorous scientific processes to ensure reliability, validity, and responsiveness to change. Qualified questionnaires are identified by a tag in the Questionnaire Management tool. This subset of questionnaires is part of the medical modules of Healthentia and are subject to the CE mark. This is also described on the website and a list is available in the portal of the healthcare professionals.

As in all sections of the portal all questionnaires can be exportable to an excel file.

								*		wation Sprint ~
Real World O		QUESTIONNAIRE M	ANAGEMENT							
Symptom Tra	cker 🗸									
LII DASHBOARD		Drag a column header	here to group by th	at column				Q Search	⊕- ⊑	682
🗵 STUDY		Title	38 II	Codename	Туре	No. of Questions	Types	Created On	Status	Actions
SUBJECTS		۹		Q		Q		Q	۵	
💄 USERS		Initial Questionnaire	66	ISPRINT_COVID19	Simple	11	INITIAL	16/03/2020	ACTIVE	<u>ت</u>
e alerts		Body temperature	c c	ISPRINT_FEVER	Simple	1	ADO-EVENT-LIST	18/03/2020	ACTIVE	۵.
/ ECONSENT		Cough	66	ISPRINT_COUGH	Simple	2	ADO-EVENT-LIST	18/03/2020	ACTIVE	ŵ
		Fatigue	66	ISPRINT_FATIGUE	Simple	1	ADD-EVENT-LIST	18/03/2020	ACTIVE	۵.
		Difficulty of breathi	66	ISPRINT_DBREATH	Simple	1	ADD-EVENT-LIST	26/03/2020	ACTIVE	۵.
Questionnaire	Ust	Headache	66	ISPRINT_HEADACHE	Simple	1	ADD-EVENT-LIST	26/03/2020	ACTIVE	۵.
Questionnaire		Muscle Pain	66	ISPRINT_MUSCLES	Simple	2	ADD-EVENT-LIST	26/03/2020	ACTIVE	<u>ت</u>
🕮 SYSTEM		Abdominal pain	66	ISPRINT_ABDPAIN	Simple	1	ADD-EVENT-LIST	26/03/2020	ACTIVE	<u>ت</u>
🖉 DEVICES		Diarrhea	66	ISPRINT_DIARRHEA	Simple	1	ADD-EVENT-LIST	26/03/2020	ACTIVE	<u>ت</u>
AUDIT TRAIL		Nausea	66	ISPRINT_NAUSEA	Simple	1	ADD-EVENT-LIST	26/03/2020	ACTIVE	<u>ت</u>
		Loss of Smell/Taste	e e	ISPRINT_TASTESM	Simple	1	ADD-EVENT-LIST	31/03/2020	ACTIVE	D
		Oxygen saturation	c c	ISPRINT_OXYGEN	Simple	1	ADD-EVENT-LIST	07/04/2020	ACTIVE	D
		Weekly Questionna	66	ISPRINT_COVID19_D	Simple	4		08/04/2020	ACTIVE	۵.
		Add or take photo	66	PHOTO	Simple	1	ADD-EVENT-LIST	24/04/2020	ACTIVE	Đ
		Emotional State	c c	EMOSTATUS	Simple	1	ADD-EVENT-LIST	06/05/2020	INACTIVE	Ē

Figure 28 Questionnaire Management

When creating a new one you define the title and questionnaire type (select from a list created by the admin) and upload a characteristic image for it if you want it to be shown on the app and start adding the questions one by one. In the question options you can choose from a variety of UI controls like if the question is a single, multiple, entry text or slider bar as presented in Figure 29.

Healthentia Instructions For Use (IFU) – Healthcare Professionals – IFU version v4.0 01-03-2025

Healthentia Real World Out	VIEW QUESTIONNAIRE			A 8	Innovation Sprint ~
Symptom Track					
III DASHBOARD	Title (EN)		c	odename:	
🗵 STUDY	Body temperature			ISPRINT_FEVER	
101. OID ECTO	Types:		S	tatus:	
	Add-Evont-List			Active	~
ALERTS	Image: Color: *	Description:			
🖉 ECONSENT	E55853				
					1
= evenu					
01012m					
DEVICES	QUESTION LIST				
AUDIT TRAIL					
	Show: 10 🗸			¢Εx	port 🛛 🙁 Clear Search Filters
	No. 1 Outs 0	Quanting	^	11 Combrel 0	0
	No ~ Code U	Question	~		Created On U
	Enter Codename	Enter Question Title		Select 🗸	Enter Date
	1 PEVER	What is your body temperature?		Numerical Input	18/03/2020
	Showing 1 to 1 of 1 entries				← 1 →
					Cancel 😣



#	Healthentia Real World Outcomes	VIEW	QUEST	TIONNAIRE					1 2		ion Sprint ~	
	Symptom Tracker											
Lui	DASHBOARD	Title (EN	D					Codename:				
X	STUDY	Initial	Questi	onnaire				ISPRINT_COVID19				
	SUBJECTS	Types:	_					Status:				
1	USERS	Initial						Active 🗸				
•	ALERTS	Image:			Color: *	Description:						
1	ECONSENT			1	808080							
9	NOTIFICATIONS											
	QUESTIONNAIRES]							11	
÷	SYSTEM											
ø	DEVICES											
000	AUDIT TRAIL	QUEST	IONL	IST								
		Show:	10	~					🕹 Exp	oort 🛛 🛛 Clear Se	arch Filters	
		No	^	Code	0	Question	0	UI Control	0	Created On	0	
				Enter Codenam	ю	Enter Question Title		Select	~	Enter Date		
		1		BIRTHDT		Enter your Birthdate		Date		13/04/2020		
		2		GENDER		Define your gender:		Single Choice		16/03/2020		
		3		DIAGNOSE		Have you been diagnosed with COVID-19?		Single Choice		16/03/2020		
		4		SYMPTOMS		Do you currently have any of the following symptoms?		Multiple Choice		16/03/2020		
		5		MEDICIN		Do you usually get any of these medications?		Single Choice		01/04/2020		







9 USERS

9.1 ROLES & PERMISSIONS

This section is used by the admin to create the main roles and their permissions in the portal sections. Permissions can be configured for viewing, editing and delete, as depicted in Figure 31.

	Healthentia	🖡 🚾 🚺 In	novation Sprint \sim
		ROLES & PERMISSIONS FOR ORG_1	
	Symptom Tracker		
Land	DASHBOARD	Drag a column header here to group by that column Q Search 🗘 I	1 🛛 🛇 🕈
X	STUDY	Name	Actions
-	SUBJECTS	Q	
•	USERS	App Manager	図 曲
•	ALERTS	Application	🗹 I 💼
P	ECONSENT	CRO Assistant	🗹 l 💼
9	NOTIFICATIONS	Investigator	🗹 l 💼
	QUESTIONNAIRES	Organization Admin	🗹 l 💼
	System	System Administrator	🗹 I 💼
<i>#</i>	DEVICES	test	1
	AUDIT TRAIL	Viewer	1
		10 20 50 100 All	

	🌲 🗷 🚯 Innovation Sprint -
Real World Outcomes	CREATE ROLE
symptom Tracker 🗸 🗸	
III DASHBOARD	Neme: *
_	The Rold
🛓 STUDY 🗸 💙	
👑 SUBJECTS 🗸 🗸	kole Access Permissions: • • • • All
👤 USERS 🗸	Seport
	 Subject
🕛 ALERTS 🗸 🗸	O Create
/ ECONSENT 🗸	
	Details
	O Delete
QUESTIONNAIRES ¥	O View Email
≢ system ✓	Reported Events
#	Export Detrille
DEVICES Y	Construction of the second secon
audit trail 🗸 🗸	C Export
	O Notifications
	Measured Activity Analytics
	Consent Actions
	O Instant Notification
	O Scheduled Notification
	O Create
	Vitewa Vitewa
	C Export
	Questionnaire
	O Create
	O Edit

Figure 31 Role Management and Add new Role



9.2 USER LIST

In the users list you can find all the portal users that are assigned in the study. The study admin can create or invite new users or assign existing ones to a specific study with a permission role. The user provides the email of an investigator that triggers an auto generated email to that email. Upon receipt, investigators need to confirm the email and follow a registration. This list can be then exported to an excel, as depicted in Figure 32.

#	Healthentia Real World Outcomes Symptom Tracker	~	USER MANAGEMENT							4 (2	3 IS Ir	novation Sprii	nt ~
••••	DASHBOARD		Drag a column header here to group by that column						Q Search		₽.⊕	ī 🔂 😣	C
X :	STUDY		Email Address	Role	T	Org	anization	Created On		T		Actions	5
<u>.</u>	SUBJECTS		Q			Q		Q					
1	USERS		8afe7900-8d69-4030-b546-8c94f2165170@healthentia.com	Applica	ation	OR	5_1	02/10/2020					÷
I	User List											-4	
	User Invitations		bb426815-dbe6-4182-862e-56139ef4d9cd@healthentia.com	System	n Administrator	OR	5_1	01/03/2021					:
•	ALERTS		ef9be18f-06ec-4bc1-b551-a8fada21ffe8@healthentia.com	System	n Administrator	OR	5_1	02/10/2020					÷
1	econsent			Curture	. A desisisistes	0.00	- 1	02/10/2020				F	:
9	NOTIFICATIONS		10C00242-1307-4905-3056-C0442ae52035@fleatchentla.com	System	n Administrator	UK	3_1	02/10/2020					
	QUESTIONNAIRES		f8340709-2eb5-48d7-b755-38c5db756c91@healthentia.com	System	n Administrator	OR	G_1	02/10/2020					:
÷ :	SYSTEM		5 10								<	1 2	>
<i>»</i>	DEVICES		-										
#	Healthentia Real World Outcomes		CREATE USER							1 2		novation Spri	int ~
##	Symptom Tracker												
<u>lan</u> i	DASHBOARD		First Name: *		ast Name: *								
× :	STUDY												
<u>**</u>	SUBJECTS		Email Address: *	P	assword:			Confirm	n Password:				*
1	USERS			\sim				×					~
	ALERTS		Role: *			~	Time Zone: *						~
/	econsent												
9	NOTIFICATIONS		Sites:										
	QUESTIONNAIRES												
1	SYSTEM										Cancel 😣	Submit (Э
<i>»</i>	DEVICES	*											

Figure 32 User Management and User Creation

10 AUDIT TRAIL

10.1 PORTAL LOG

In the section of Log Management all actions that users do from viewing to editing or deleting. The log list of actions can be filtered by date from the top of the page, while each column on the table allows the search for a specific result. You can also short by alphabetic or numeric order per column. When viewing the log details you can get more information on the reported action. As in all sections of the portal all data are exportable to an excel file.

#	Healthentia Real World Outcomes		PORTALLOG			L	🕻 🖂 🚯 Inno	vation Spr	int v
	Symptom Tracker	~							
Litt	DASHBOARD		Drag a column header here to group by tha	at column			Q Search	G 🛛	C
X	STUDY	~	Email	Action	Component	Message	Time Stamp		T
- <u>10</u> 1	SUBJECTS	~	Q			Q	Q		
1	USERS	~	ef9be18f-06ec-4bc1-b551-a8fada21	View	Subject	Subject List on Study: Symptom Trac	2022/02/03 09:26:32		
	ALERTS	~	ef9be18f-06ec-4bc1-b551-a8fada21	Login	User	SUCCESS	2022/02/03 09:26:26		
1	ECONSENT	~	6cabf309-039d-4ade-a5c5-875a763	View	Medication	Medication List of Subject: 5e531aa	2022/02/03 09:25:39		
9	NOTIFICATIONS	~	6cabf309-039d-4ade-a5c5-875a763	View	PatientQuestionnaire	Subject Questionnaire List of Subjec	2022/02/03 09:25:39		
	QUESTIONNAIRES	*	6cabf309-039d-4ade-a5c5-875a763	View	EConsent	EConsent List of Subject: 5e531aae	2022/02/03 09:25:39		
ŧ	SYSTEM	*	6cabf309-039d-4ade-a5c5-875a763	View	Alert	Alert List of Subject: 5e531aae-76e4	2022/02/03 09:25:38		
ø	DEVICES	*	6cabf309-039d-4ade-a5c5-875a763	View	Conversation	Alert List of Subject: 5e531aae-76e4	2022/02/03 09:25:38		
000	AUDIT TRAIL	^	6cabf309-039d-4ade-a5c5-875a763	View	PatientQuestionnaire	Subject Questionnaire List of Subjec	2022/02/03 09:25:38		
	Portal Log		> 6cabf309-039d-4ade-a5c5-875a763	View	Subject	Subject Item on Study: Symptom Tra	2022/02/03 09:25:35		
	Application Log		6cabf309-039d-4ade-a5c5-875a763	View	Subject	Subject List on Study: Symptom Trac	2022/02/03 09:25:35		
			10 20			< 1	2 3 4 5	. 199	>

Figure 33 Log Management & Details

10.2 APPLICATION LOG

The application log, provides information about the actions of the subjects, e.g. their participation in questionnaires, as shown in Figure

Healthentia Real World Outcome	9S	APPLICATION LOG				📫 🖂 🥵 in	novation Sprint 🗸
Symptom Tracker							
LII DASHBOARD		Drag a column header here to	group by that column			Q Search	🖬 🛿 C
X STUDY		Subject ID	Description	Log Type	T Component	Time Stamp	T
SUBJECTS		Q	Q			Q	
L USERS		O31ES	🔑 FAILED	FailedLogin	Subject	2022/02/03 09:27:34	
. ALERTS		O31E5	PLOG_OUT	LogOut	Subject	2022/02/03 09:24:00	
0 ECONSENT		O31ES	P SUCCESS (NOT_CONFIR	RMED_EMAIL Login	Subject	2022/02/03 08:26:38	
		JAQVU	PLOG_OUT	LogOut	Subject	2022/02/03 08:26:22	
		JAQVU	P SUCCESS (NOT_CONFIR	RMED_EMAIL Login	Subject	2022/02/03 08:25:28	
🔁 SYSTEM		O31ES	PLOG_OUT	LogOut	Subject	2022/02/03 08:25:17	
DEVICES		DMT6E	P SUCCESS (NOT_CONFIR	RMED_EMAIL Login	Subject	2022/02/02 03:01:34	
AUDIT TRAIL		DMT6E	P SUCCESS (NOT_CONFIR	RMED_EMAIL Login	Subject	2022/02/02 02:54:14	
Portal Log		O31ES	P SUCCESS (NOT_CONFI	RMED_EMAIL Login	Subject	2022/02/02 02:33:03	
Application Log		DMT6E	P SUCCESS (NOT_CONFIR	RMED_EMAIL Login	Subject	2022/02/02 01:25:24	
		10 20				< 1 2 3 4 5	20 >

Figure 34 Application Log Detail