



**REMOTE HEALTHCARE MADE SIMPLE**

# Clinician Portal - Administrator Manual

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*Date: January 17, 2022*



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# Introduction

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This user manual for the OTH Clinician Portal (Administrator) has been written for administrative staff. The user manual has been written in a way so that it is thorough and understandable for the administrative staff, and no prior teaching or workshop participation is necessary to understand it. All administrative staff must read this entire user manual before using the administrative menu in OTH Clinician Portal.

## Intended use of OTH software

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### **Intended use:**

OpenTele version 2 is a software platform consisting of two integrated parts, a web application and a mobile device application. The software platform is intended to provide patient information from the patient to a remote healthcare team through relevant network technology.

OpenTele version 2 is intended for booking and management of appointments, patient interaction through video consultation and text messaging, capture of electronic questionnaires, aggregation, storage and management of clinical data, as well as information management of independent external physiological measurement devices connected either directly to the mobile device application or through digital communication technologies such as USB, Bluetooth or Bluetooth Low Energy (LE).

### **Product claims:**

The OpenTele software platform allows HCPs to remotely monitor patients' vital signs (blood pressure, pulse, body weight, and SpO2\*\*) through questionnaires and/or forms requesting the patient to report on their health status and/or perform measurements. This combination of objective data and subjective responses enables HCPs to make informed, timely decisions for patients diagnosed with COPD, CHF or HTN.

OpenTele enables the healthcare professional to design and distribute individualized or generic electronic questionnaires and/or forms. The healthcare professional may add threshold values for reference when reviewing reported information in the web application.

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### **Indication for Use:\*\***

OpenTele version 2 is indicated for use by patients and by healthcare professionals for collection and reviewing of data from patients who are capable and willing to engage in the use of OpenTele.

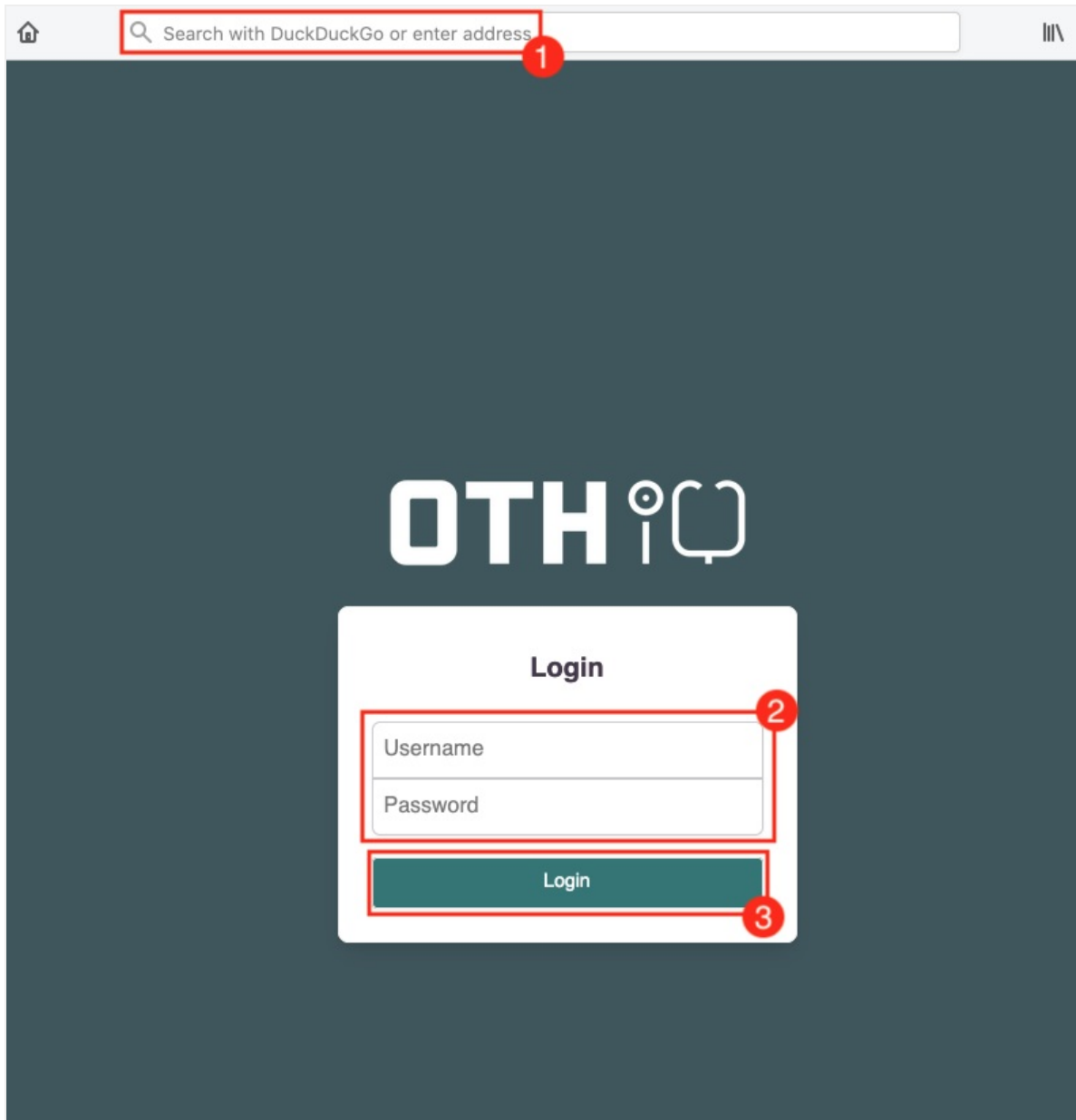
# General Navigation

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## Logging in to the system

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1. **Visit** the OTH webpage application web site in your Internet browser. The URL is provided upon installation. The OTH clinician portal is a web based application and can be used anywhere as long as you have access to a web browser. The website functions best with Google Chrome, Mozilla Firefox, or Microsoft Edge.
2. **Type** your username and password. Your username and initial temporary password will be provided by the administrator. Upon initial login, you will be asked to change your password. Passwords must be at least 8 alpha numeric characters in length and must contain 1 number.
3. **Click** "Login".



## Menus and page layout

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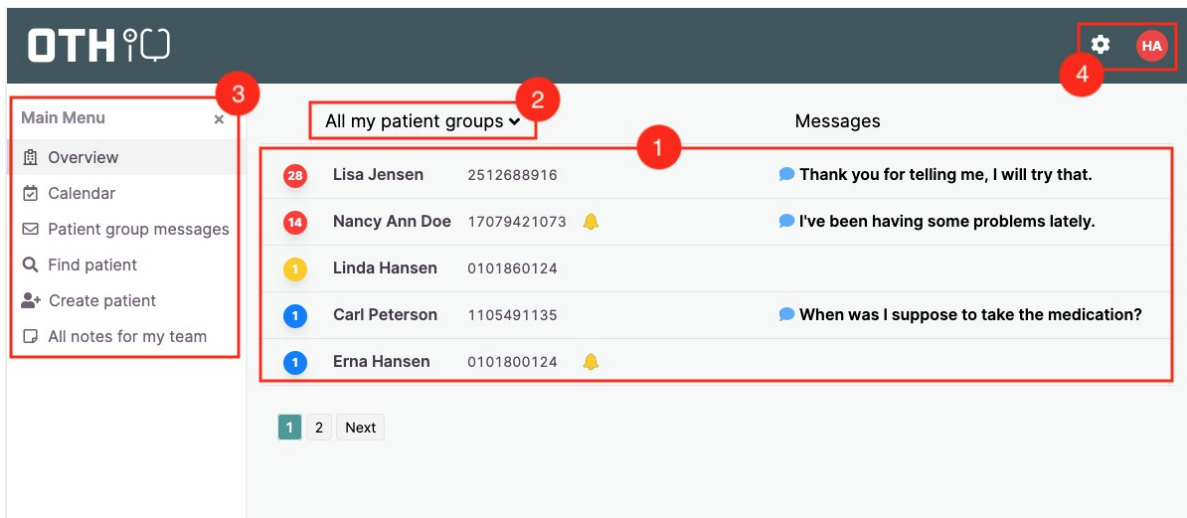
Upon login, the Overview page displays patients assigned to you that have pending alarms or otherwise needs attention.

Menu and general navigation features are described below:

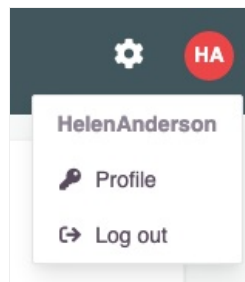
1. Overview page; the default page that displays upon login. It shows the patients with pending alarms for your organization.
2. Patient group filter; allows you to filter the overview based on the chosen patient group in the drop-

down list.

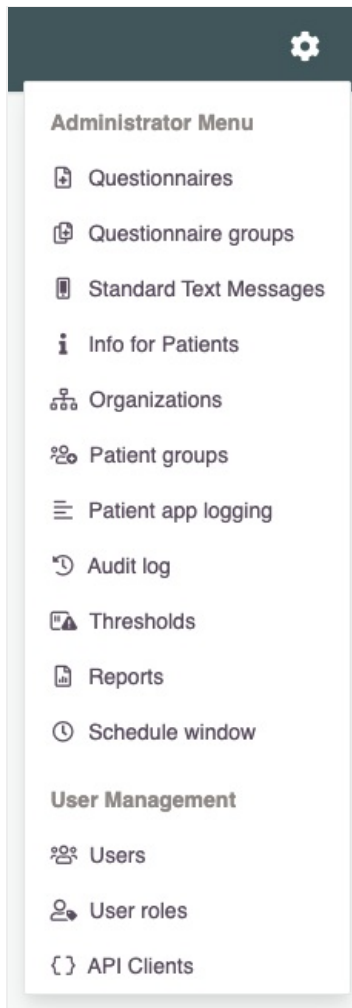
3. Main Menu panel; allows access to **Overview**, **Calendar** (optional), **Patient group messages** (optional), **Find patient**, **Create patient** and **All notes for my team** pages.
4. Top menu bar; contains the **user menu** drop-down (red circle) and the **administrator menu** drop-down (gear icon).



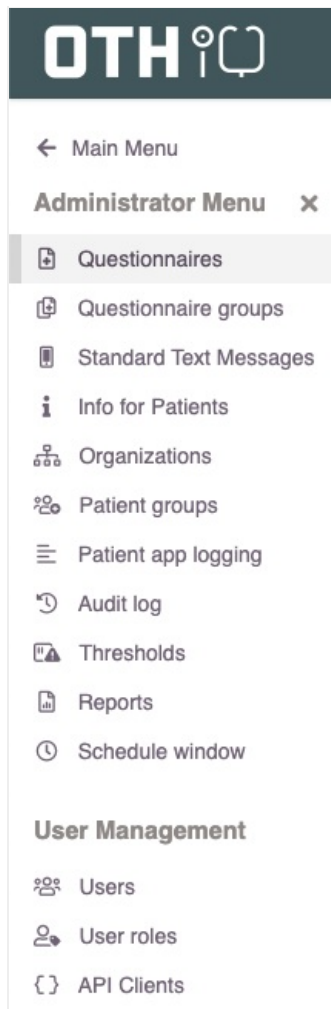
Clicking on the **user menu** reveals links to a **Profile** page, where you can change your password, along with a **Logout** button to leave the clinician portal.



Clicking on the **admin menu** reveals the following set of links to all the different submenus of the administrator menu.



After navigating to one of these submenus the main menu panel to the far left will be replaced with the same administrator menu panel as seen in the dropdown.



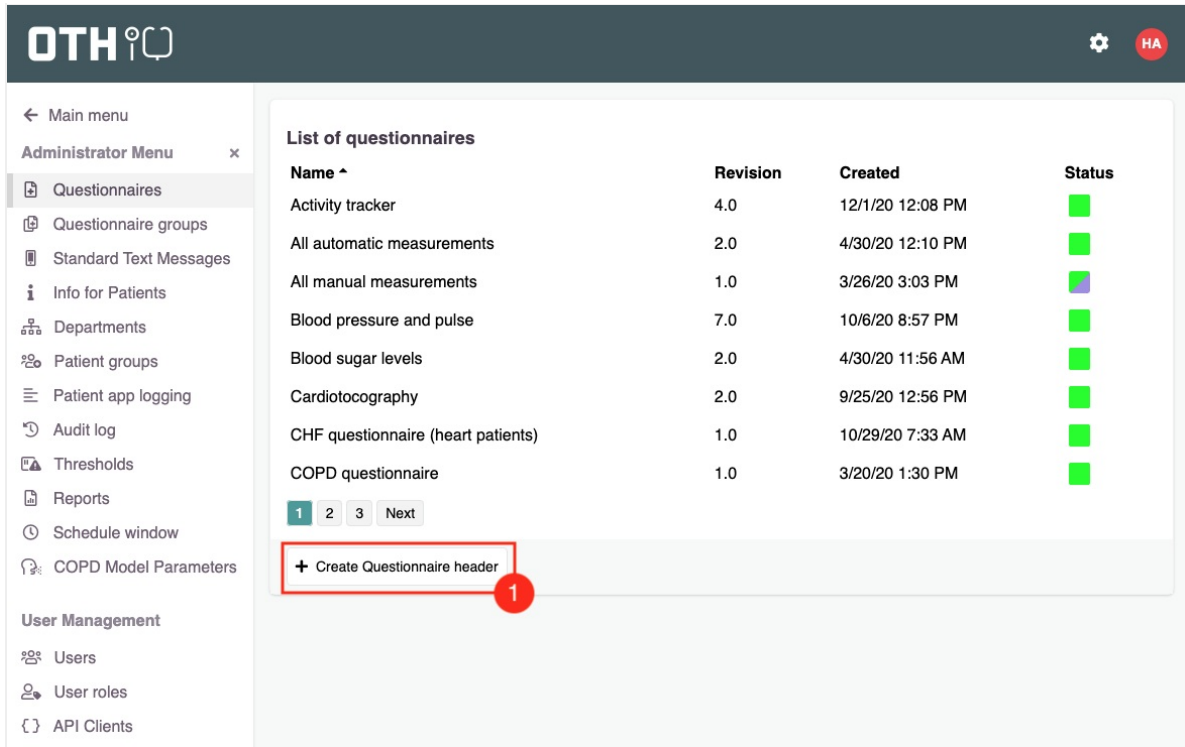
These submenus are the focus of this manual and will be cover in following order:

1. Questionnaires
2. Questionnaire groups
3. Standard Text messages (optional)
4. Info for Patients
5. Organizations
6. Patient groups
7. User roles
8. Patient app logging
9. Audit log
10. Thresholds
11. Schedule window
12. Users
13. User roles
14. API Clients

# Questionnaires

## Creating a questionnaire

1. **Click** on the “Questionnaires” menu and create a new Questionnaire by pressing the **+ Create Questionnaire Header** button.



1. **Enter** a name for the new questionnaire.
2. If you want all completed questionnaires of this type to be manually reviewed by a clinician check the “Requires manual control?” box. This ensures all completed questionnaires will raise an orange or higher alarm.
3. **Press** the **Create+Edit new draft** button which will navigate you to the questionnaire editor.

The screenshot shows the 'Create Questionnaire header' form. It includes a text input field for 'Name \*' (1), a checkbox for 'Requires manual control?' (2), and two buttons: 'Create' and 'Create+Edit new draft' (3). The 'Create+Edit new draft' button is highlighted with a red box and a red circle '3'.

## Editing a questionnaire draft

### The questionnaire editor layout

1. Shows the overview of the published version of the questionnaire.
2. Shows the draft of the last version of the questionnaire. It is not published.
3. **Press** Edit for editing the title and schedule of the questionnaire.
4. **Press** Remove Current Version to move last version of the questionnaire.
5. **Press** Create Draft to create a new draft of the questionnaire.

**Show Questionnaire header**

Name Activity tracker

Requires manual control?

Current version 4.0 created by Helen Anderson (12/1/20 12:08 PM)

Schedule Unscheduled

Historic questionnaires

Revision	Comment	Creator	Created
1.0		Helen Anderson	3/31/20 2:53 PM
2.0	Added follow-up questions	Helen Anderson	4/27/20 12:46 PM
3.0		Helen Anderson	10/12/20 2:09 PM
5.0		Helen Anderson	12/1/20 12:08 PM

6. **Select** the version of the questionnaire you want as a template. It is possible to choose an empty template.
7. **Press** Create and the editor will open and you are ready to edit the new draft version of the questionnaire.

**Create Questionnaire Draft**

Based on version \*  
Activity tracker version : 4.0

8. Shows the questionnaire information coming from the one used as a template.
9. **Select** the node type for a new node.
10. **Create** any needed help texts for this questionnaire.
11. **Press** Save for saving the changes or **Press** Save and close to save the changes and close the edit mode.
12. **Select** Import or Export the questionnaire. (It is possible to export/import from one environment to another)

Questionnaire Editor Blood pressure and pulse

**NODE TYPES**

- Start
- Measurement
- Text
- Input
- Multiple choice
- Multiple choice - sum
- Delay
- End

**HELP TEXTS**

- Create
- Show all

Flowchart diagram showing the logic for "Blood pressure and pulse":

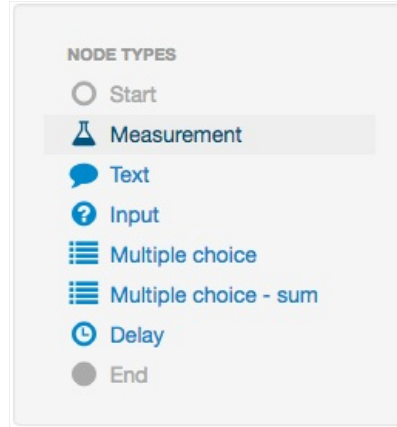
```

graph TD
    Start([Start]) --> BP[Measurement: Blood pressure / Pulse]
    BP --> Skip1((Skip))
    BP --> Skip2((Skip))
    BP --> End([End])
    BP --> Skip3((Skip))
    BP --> Skip4((Skip))
    BP --> Skip5((Skip))
    BP --> Skip6((Skip))
    BP --> Skip7((Skip))
    BP --> Skip8((Skip))
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    BP --> Skip90((Skip))
    BP --> Skip91((Skip))
    BP --> Skip92((Skip))
    BP --> Skip93((Skip))
    BP --> Skip94((Skip))
    BP --> Skip95((Skip))
    BP --> Skip96((Skip))
    BP --> Skip97((Skip))
    BP --> Skip98((Skip))
    BP --> Skip99((Skip))
    BP --> Skip100((Skip))
    BP --> End
  
```

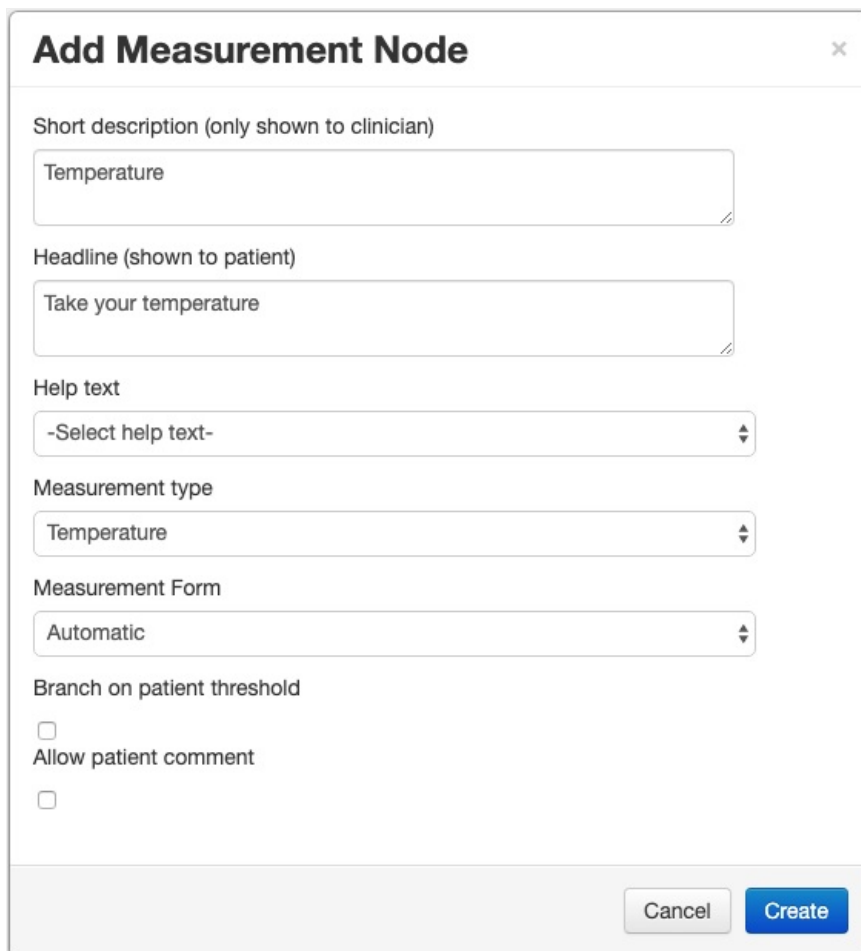
Below describe the detail for editing the questionnaire.

## Adding a measurement node

1. **Click** on the “measurement” menu item.



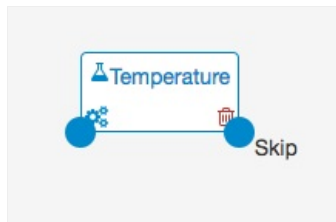
2. **Fill** out the form that appears with the instructions to the patient, the type of measurement to be taken and whether it should be done automatically - by the client software (using connected devices) - or manually - by the patient.
  - a. The ‘help text’ dropdown allows you to add a help text and image to the measurement node providing extra information to the patient.
  - b. The ‘allow patient comment’ checkbox allows the patient to add an optional comment to the measurement, e.g. giving some context for a higher/lower than usual value.

A screenshot of a form titled 'Add Measurement Node'. The form has a close button (X) in the top right corner. It contains several fields and a checkbox:

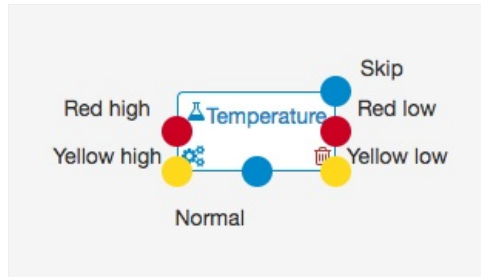
- Short description (only shown to clinician): A text input field containing 'Temperature'.
- Headline (shown to patient): A text input field containing 'Take your temperature'.
- Help text: A dropdown menu with '-Select help text-' selected.
- Measurement type: A dropdown menu with 'Temperature' selected.
- Measurement Form: A dropdown menu with 'Automatic' selected.
- Branch on patient threshold: A checkbox that is currently unchecked.
- Allow patient comment: A checkbox that is currently unchecked.

At the bottom right of the form, there are two buttons: 'Cancel' and 'Create'.

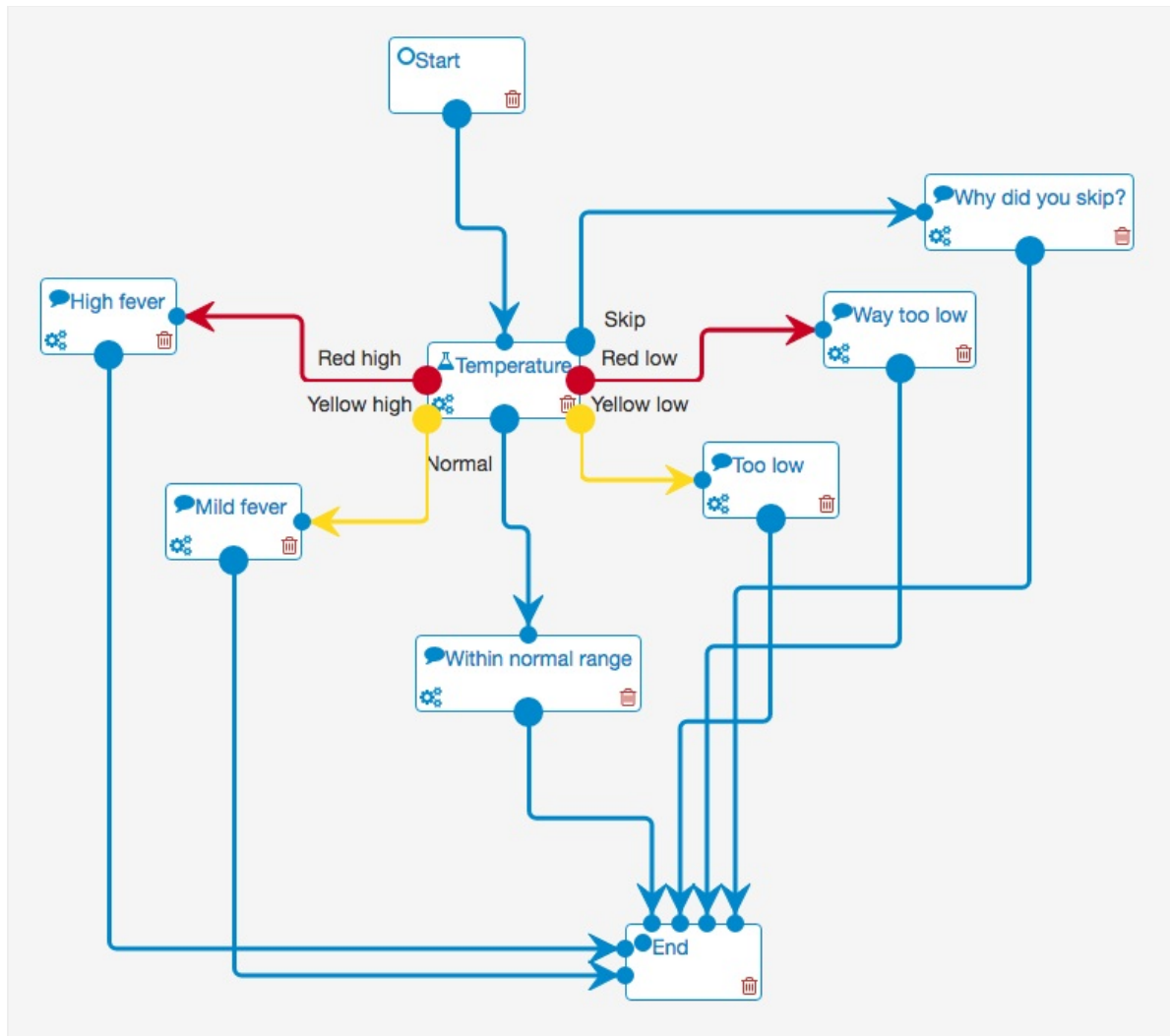
3. **Click** the “Create” button or **check** the “branch on patient threshold” box before **clicking** the “Create”
  - a. If pressing “Create” without checking the “branch on patient threshold” box the node will be added to the drawing area with two outgoing endpoints, depending on whether the patient takes the measurement or skips it.



- b. If checking the “branch on patient threshold” box before pressing “Create” the node will be added with one endpoint for each type of notification that can be triggered based on the patient thresholds: “red high”, “yellow high”, “yellow low”, “red low”, and one endpoint if the measurement is within normal range, and finally one endpoint if the patient chooses to skip the measurement.



4. Finally, each of these endpoints can be connected to other nodes in the questionnaire, and in the case where “branch on patient threshold” has been checked each of the endpoints have already been assigned fixed severities based on the corresponding threshold notification that they trigger.



## Adding a text node

1. **Select** Text in the Node type menu.
2. **Type** a headline for the text node.
3. **Type** a text for the text node.
4. **Press** Create.

5. The node is created. Finally, each of the text node endpoints can be connected to other nodes in the questionnaire.

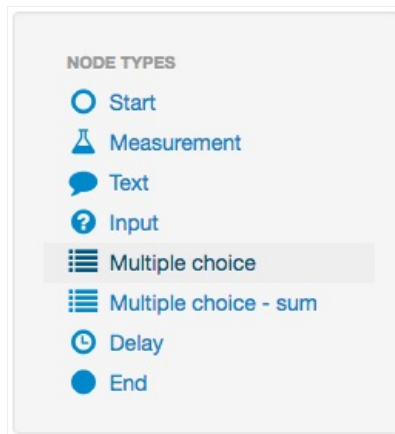
## Adding an input node

1. **Select** Input in the Node type menu.
2. **Type** a short description for the node.
3. **Type** the question the ask the user.
4. **Type** Answer type (decimal number, integer, text, yes/no).

5. The node is crated. Finally, each of the input node endpoints can be connected to other nodes in the questionnaire.

## Adding a multiple choice node

1. **Click** on the "Multiple choice" menu item.



2. **Fill** out the form that appears with the question to be given to the patient along with possible answers. Note that values entered in the 'clinician text' fields are only shown used by the clinician as shorthands for the respective 'patient text' values in order to reduce noise when reviewing completed questionnaires answers and when branching on the choices, which we will describe in point 3b.

### Add Multiple Choice Node ✕

Short description (only shown to clinician)

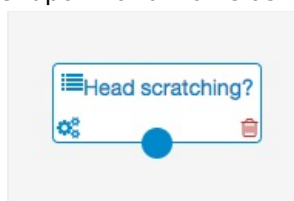
Question

Answers

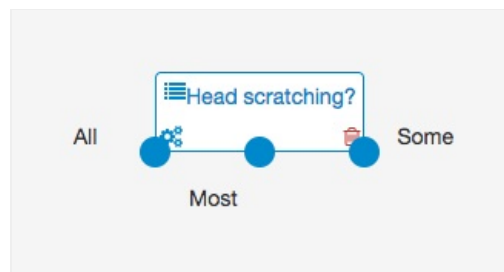
Patient text	Clinician text
<input style="width: 90%;" type="text" value="All of the time"/>	<input style="width: 90%;" type="text" value="All"/>
<input style="width: 90%;" type="text" value="Most of the time"/>	<input style="width: 90%;" type="text" value="Most"/>
<input style="width: 90%;" type="text" value="Some of the time"/>	<input style="width: 90%;" type="text" value="Some"/>

Branch on choices

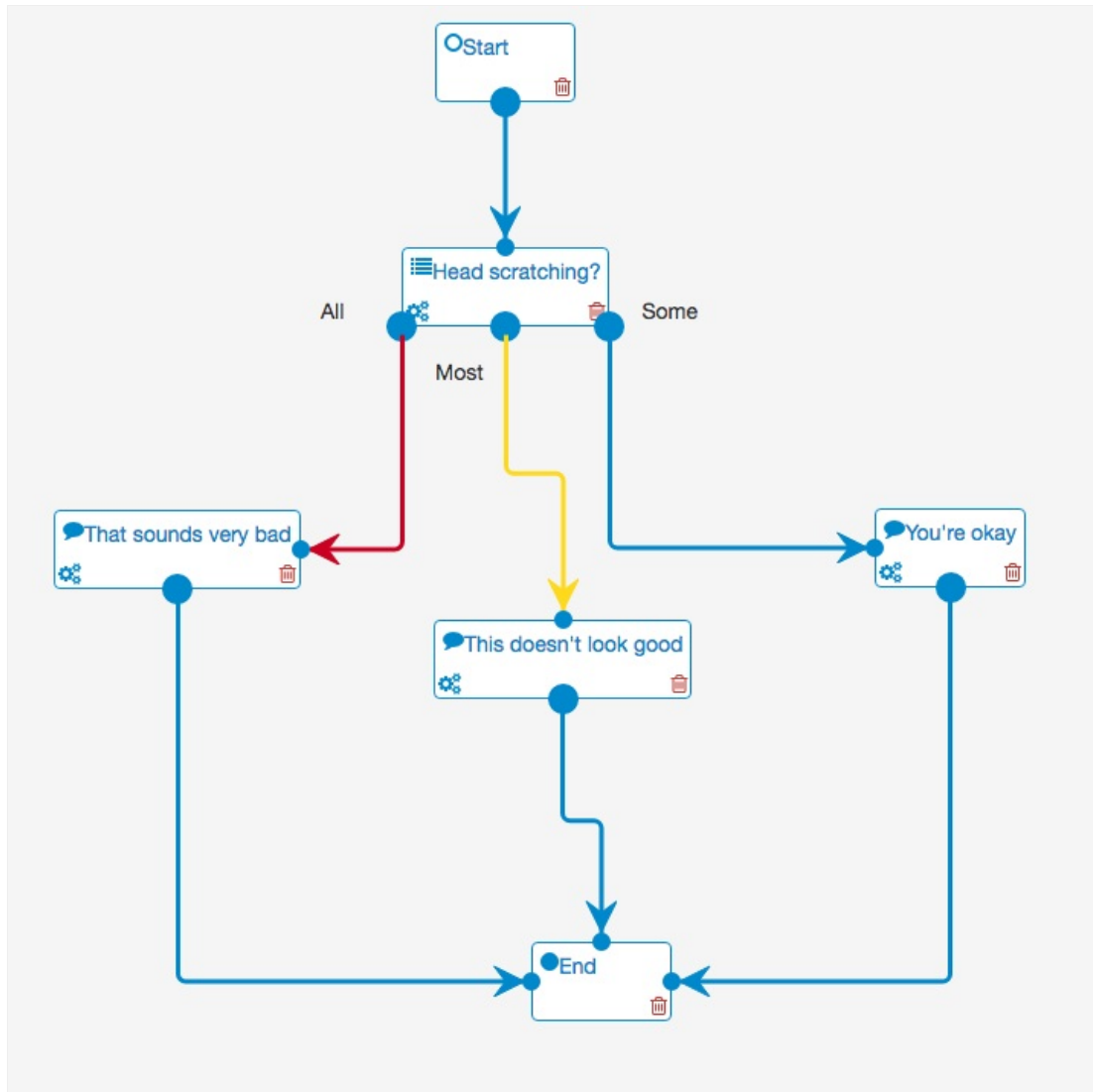
3. **Click** the “Create” button or **check** the “branch on choices” box before **clicking** the “Create”
- a. If pressing “Create” without checking the “branch on choices” box the node will be added to the drawing area with just one outgoing endpoint and works as most other nodes.



- b. If checking the “branch on choices” box before pressing “Create” the node will be added with one endpoint for each choice entered into the form, where each endpoint is labeled according to the entered “clinician text” of the given choice.

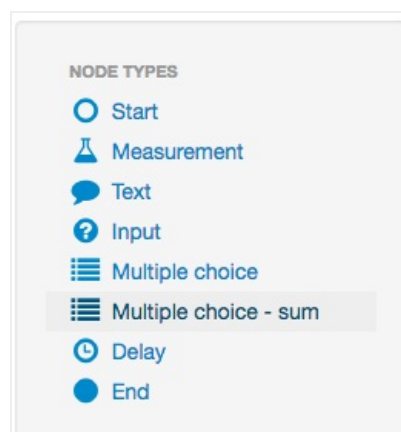


- Finally, each of these endpoints can be connected to other nodes in the questionnaire, and in the case where “branch on choices” has been checked an endpoint is created for each possible answer, and can be assigned severities in order to trigger a notification.



## Adding a multiple choice summation node

- Click on the 'multiple choice - sum' menu item.



- Fill out the form that appears with a short description of the multiple choice series.

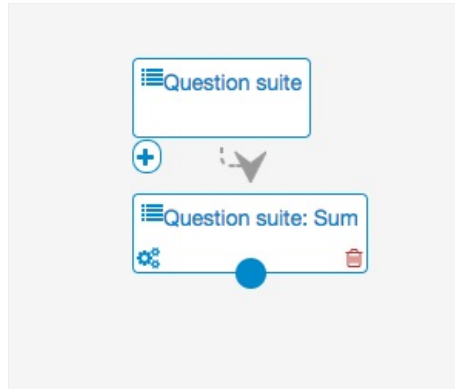
Short description (only shown to clinician)

Question suite

Branch on sum

Cancel Create

3. **Click** the “Create” button or **check** the “branch on sum” box before **clicking** the “Create”
  - a. If pressing “Create” without checking the “branch on sum” box the node will be added to the drawing area with just one outgoing endpoint and works as most other nodes.



- b. If checking the “branch on sum” box before pressing “Create”, a form appears in which to add the different intervals on which to branch, where an endpoint is created for each of the intervals entered in form and labeled according to the entered “from” and “to” values of the given interval.

Short description (only shown to clinician)

Question suite

Branch on sum

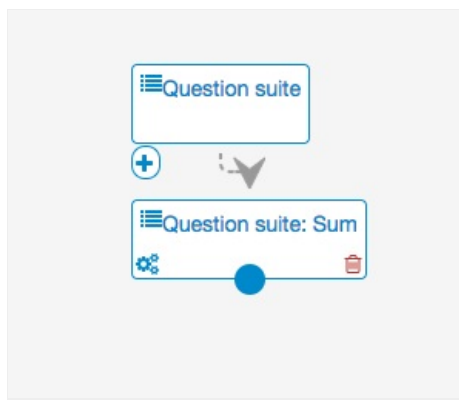
Branch intervals

Interval from	Interval to
1	3
4	6
7	9

Add interval Remove interval

Cancel Create

Each of these endpoints for each interval entered in the form, where each endpoint is labeled according to the entered ‘from’ and ‘to’ values of the given interval.



4. **Click** on the circle with a '+' sign to add a question to the series of multiple choice nodes.

### Add Multiple Choice Question Node ✕

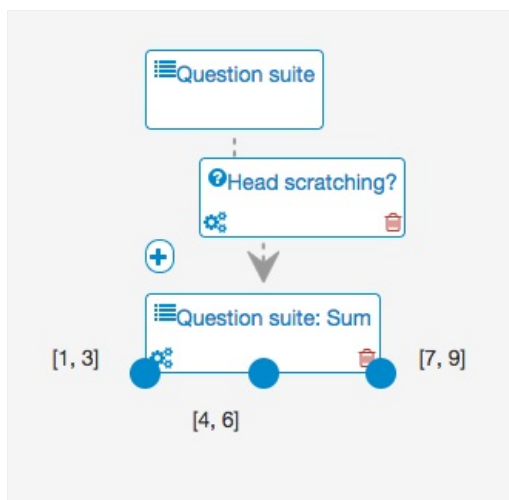
Short description (only shown to clinician)

Question

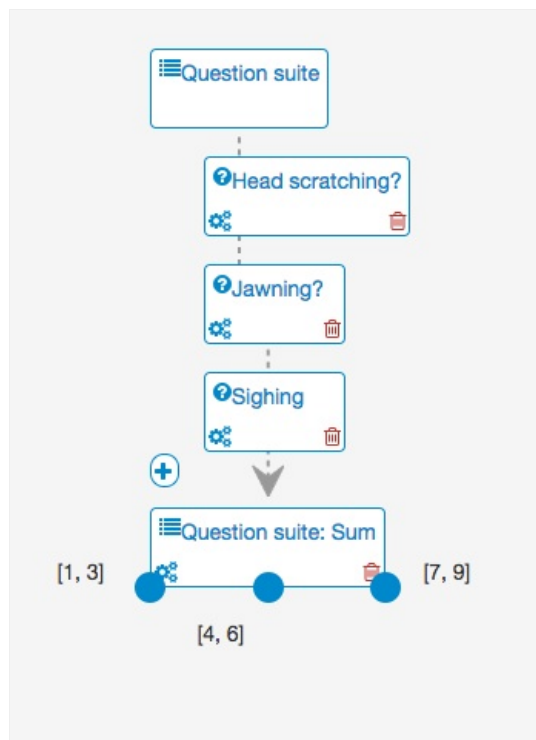
Answers

Text	Value
<input style="width: 95%;" type="text" value="All of the time"/>	<input style="width: 95%;" type="text" value="3"/>
<input style="width: 95%;" type="text" value="Most of the time"/>	<input style="width: 95%;" type="text" value="2"/>
<input style="width: 95%;" type="text" value="Some of the time"/>	<input style="width: 95%;" type="text" value="1"/>

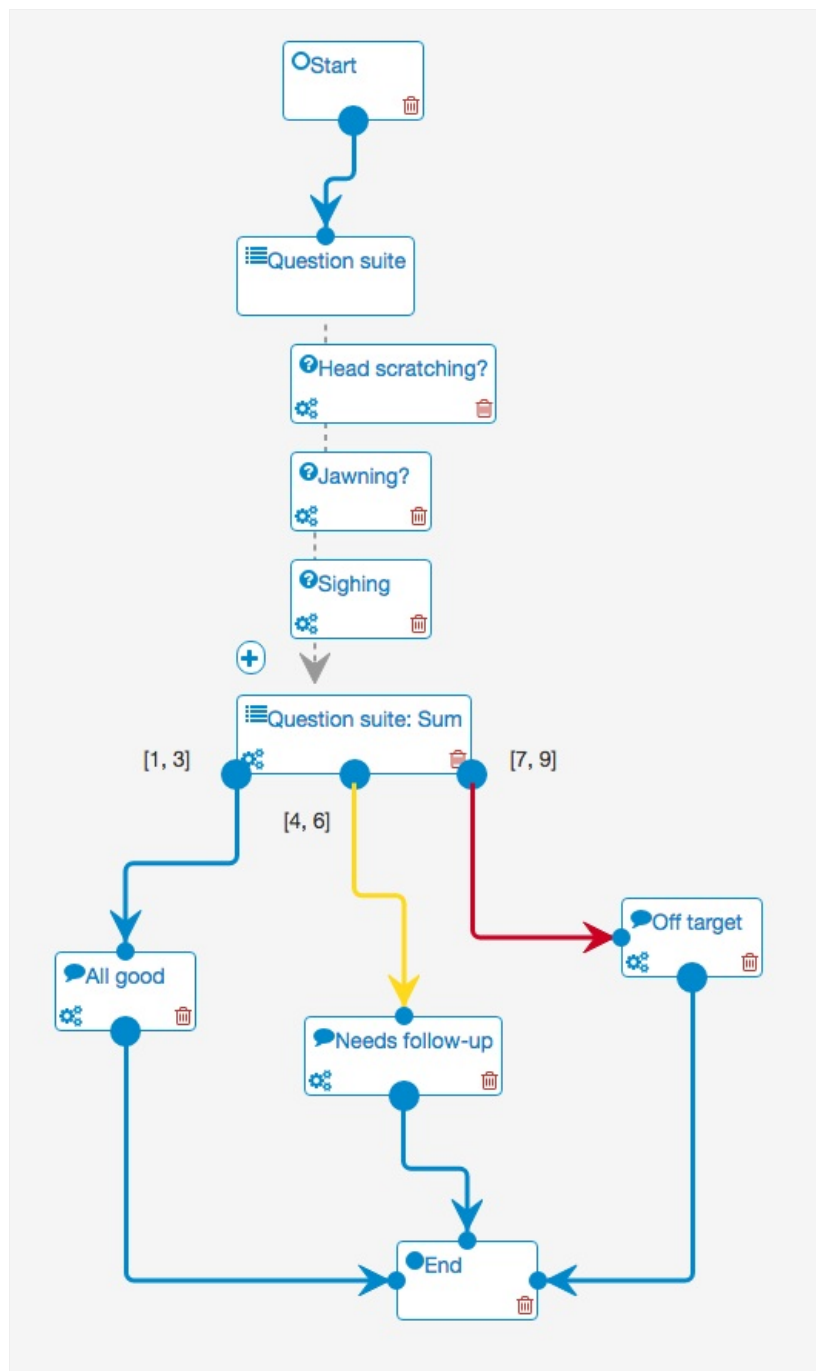
5. **Fill** out the form that appears with the question to be given to the patient along with the possible answers and their respective value and press "Create".



6. In order to add more questions to the series, repeat step 5. one or more times.



7. Finally, each of the interval branch endpoints can be connected to other nodes in the questionnaire, and assigned a severity in order to trigger a notification.



## Adding a delay node

1. **Select** delay in the Node type menu.
2. **Type** short description for the node.
3. **Type** a text for delay node to show for the users.
4. **Type** the length of the delay in second.
5. **Enter** if it has to count from 0 and up (up) or from max to 0(down).

**Add Delay Node**

Short description (only shown to clinician)

Short description (only shown to clinician)

Text

Text

Number of seconds

Number of seconds

Count

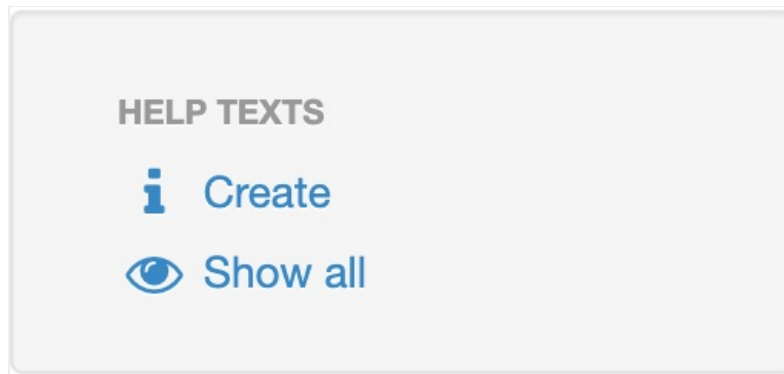
Up

Cancel Create

6. The node is created. Finally, each of the input node endpoints can be connected to other nodes in the questionnaire.

## Adding help texts to questionnaire nodes

1. Click on **Create** in the help texts menu











2. Fill out the appearing form with a name, description (optional) and image (optional) for the help text and click **Create**.

## Help Texts ×

Name

Help text

**B** *I*        

This is a **bold** help text.

3. Clicking on **Show all** will list all available help texts.

## Help Texts ×

Name	Help text	Actions
My help text	This is a <b>bold</b> help text.	<input type="button" value="Show/edit"/> <input type="button" value="Delete"/>

4. The newly created “My help text” help text will now appear in the “Add measurement node” and “Add text node” popup forms.

## Add Measurement Node ×

Short description (only shown to clinician)

Headline (shown to patient)

Help text

✓ -Select help text-

My help text

measurement type

Measurement Form

Branch on patient threshold

### Publishing a questionnaire

When finishing editing the questionnaire it need be published the be used by the patients.

1. **Press** Publish to publish the latest version of the questionnaire (here version 5).
2. If you want to edit more **press** Edit draft.
3. If you want to delete the draft **press** Delete draft.

**Show Questionnaire header**

Name Activity tracker

Requires manual control?

Current version 4.0 created by Helen Anderson (12/1/20 12:08 PM)

Draft 6.0 created by Helen Anderson (4/27/21 11:51 AM)

Schedule Unscheduled

Historic questionnaires

Revision	Comment	Creator	Created
1.0		Helen Anderson	3/31/20 2:53 PM
2.0	Added follow-up questions	Helen Anderson	4/27/20 12:46 PM
3.0		Helen Anderson	10/12/20 2:09 PM
5.0		Helen Anderson	12/1/20 12:08 PM

Edit Remove current version

Publication Comment

Publish Edit draft Delete draft

4. **Press** Confirm to confirm the publishing.

**Information for safety**

**Regarding the design of questionnaires**

Please be mindful that questionnaires may not be used to facilitate diagnosis, to facilitate and inform of changes in medication and or treatment. By clicking the "Confirm" button below you acknowledge that you have designed the questionnaire in a manner that is in compliance with the previous statement.

**Advice regarding manual measurements**

Also be aware that the use of manual measurements confer an increased risk of obtaining erroneous values due to mistyping etc. by the patient. You can reduce the risk of mistyping by either performing the same measurement twice or by using threshold branching to detect suspicious values and then recapturing them.

Confirm Cancel

5. Now it is possible for the patient to use the new version of the questionnaire.



## Setting a default schedule to a questionnaire

1. **Press** the Edit button.

### Show Questionnaire header

Name Activity tracker  
Requires manual control?   
Current version 6.0 created by Helen Anderson (4/27/21 11:51 AM)  
Comment Added a manual entry question  
Schedule Unscheduled

Historic questionnaires	Revision	Comment	Creator	Created
	1.0		Helen Anderson	3/31/20 2:53 PM
	2.0	This is a good version	Helen Anderson	4/27/20 12:46 PM
	3.0		Helen Anderson	10/12/20 2:09 PM
	4.0		Helen Anderson	12/1/20 12:08 PM
	5.0		Helen Anderson	12/1/20 12:08 PM

 Edit  Remove current version

 Create draft

2. **Choose** a schedule type and set the deadline(s) for when the patient should answer the questionnaire.

### Edit Questionnaire header

Name \*

Activity tracker

Requires manual control?

Schedule

Unscheduled  
 Weekdays - several daily measurements  
 Weekdays - one daily measurement  
 Date(s) of the Month  
 Every nth day  
 Specific date

**Weekdays - several daily measurements**

Deadlines 10 : 30 AM

Reminder 30 min. before

Schedule window 10 hours

Weekdays

All/no days  
 Monday  
 Tuesday  
 Wednesday  
 Thursday  
 Friday  
 Saturday  
 Sunday

Explanation of the different schedule types:

- **Unscheduled:** The questionnaire can be completed at any time and as many times as you wish.
- **Weekdays - several daily measurements:** The questionnaire can be completed on specific days of the week and it is possible to make several measurements per day.
- **Weekdays - one daily measurement:** The questionnaire can be completed on specific days of the week with a single measurement per day.
- **Date(s) of the Mouth:** The questionnaire can be completed on specific dates of the month, e.g. the 1st and 15th of the month.
- **Every nth day:** The questionnaire can be completed on every nth day, e.g a measurement every 3 days.
- **Specific date:** The questionnaire can be completed on a specific date.

If selecting the weekdays 'Weekdays - several daily measurements' a form containing the following fields appear:

- **Deadline at:** Questionnaire should be completed at the specified time of day. If a measurement frequency is selected with several measurements per day, multiple measurement times can be specified by clicking on the **+** button.
- **Reminder at:** Set the number of minutes before the questionnaire deadline that a reminder notification should be sent to the patient.

- **Schedule window:** Indicates how long before the questionnaire deadline it is possible to submit a completed questionnaire such that it is registered as a questionnaire answer for the given deadline. This is used to indicate a period in which a delayed questionnaire result is not counted as an in-time result for the next questionnaire deadline.
- **Weekdays:** Selects which days of the week the questionnaire should be completed.

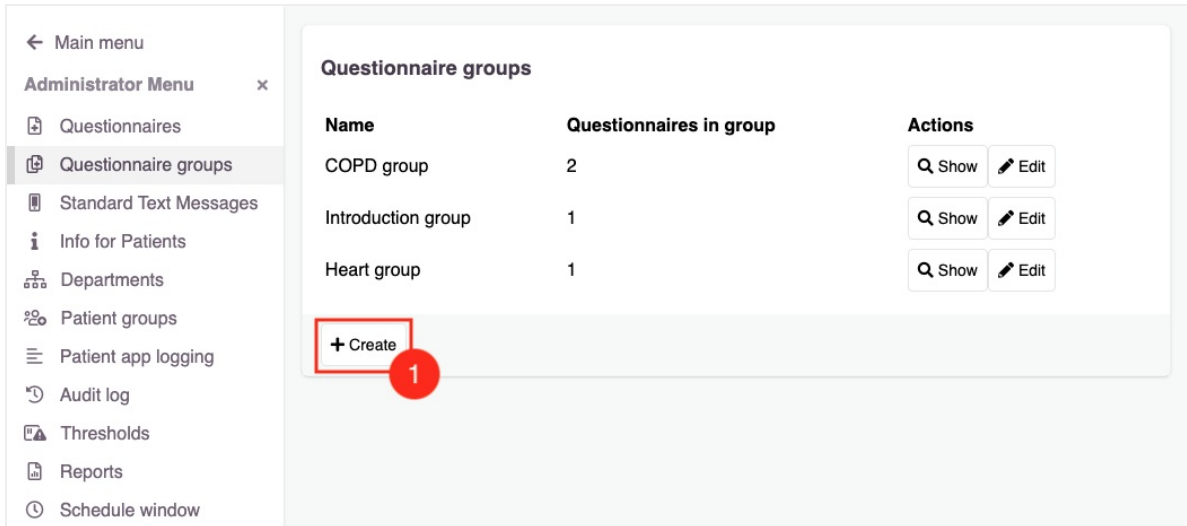
# Questionnaire Groups

The “Questionnaire groups” menu allows grouping a set of questionnaires to more easily assign the proper set of questionnaire to a patient or patient group.

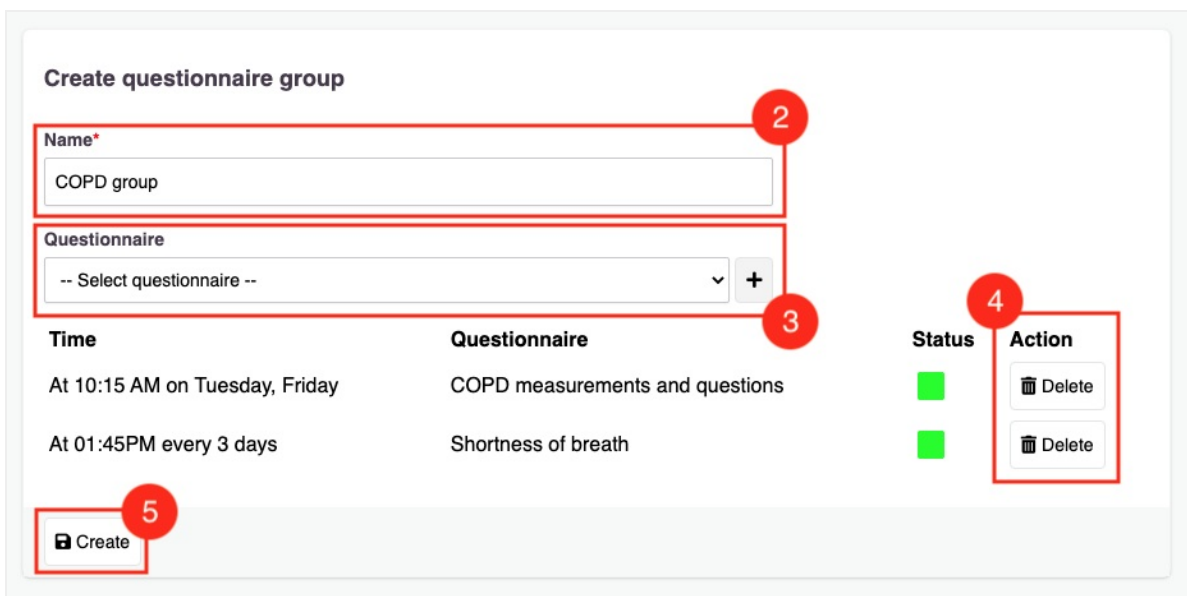
Note that when a questionnaire group is assigned to a patient or patient group the relation works as a link, which means that any changes made to the questionnaire group affects all patients and patient groups linked to the given questionnaire group.

## Creating a questionnaire group

1. **Click** on the “Questionnaire groups” menu and create a new questionnaire group by pressing the “Create” button.



2. **Enter** a name for the new questionnaire group.
3. **Select** a questionnaire to add to the questionnaire group and click the “+” button.
4. **Press** the “Delete” button to remove a specific questionnaire from the questionnaire group.
5. **Press** “Create” and the questionnaire group header will be created.

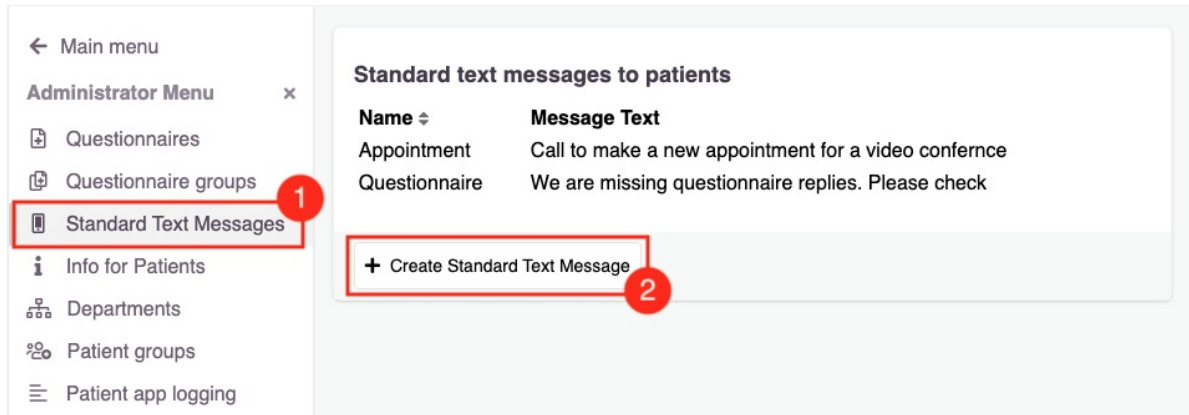


# Standard Text Messages

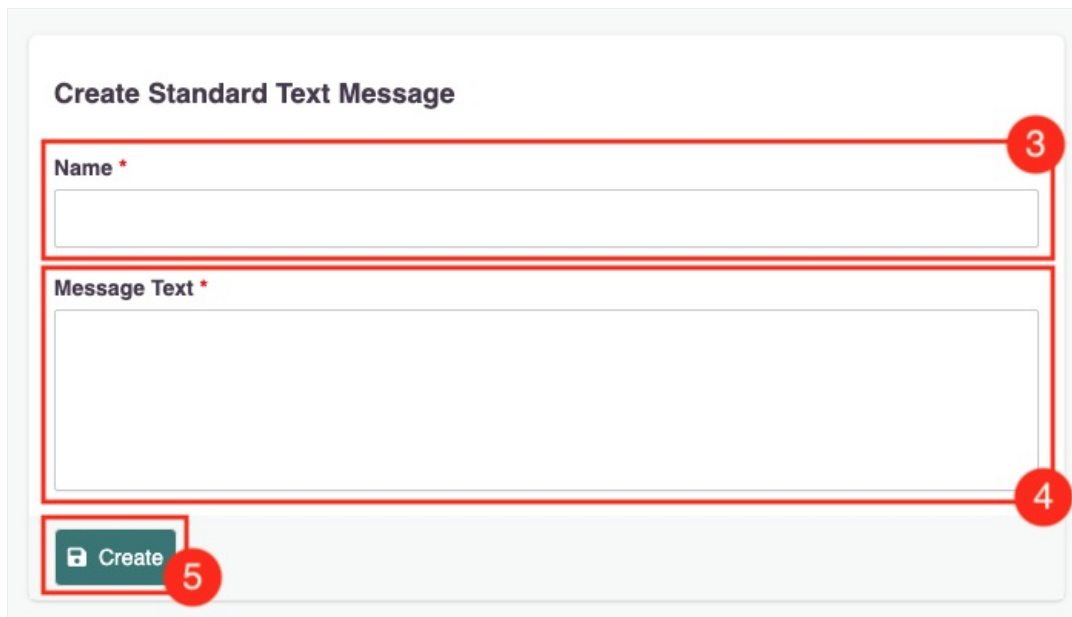
The “Standard text messages” menu allows creating template text messages that can be send to one or more patients as either a message in the app or an SMS.

## Creating a new standard text message

1. **Click** on the “Standard Text Messages” menu.
2. **Press** “Create Standard Text Message” to create a new standard message.



3. **Enter** the name of the message.
4. **Enter** the text of the message.
5. **Press** “Create” and the new standard text message will be shown.

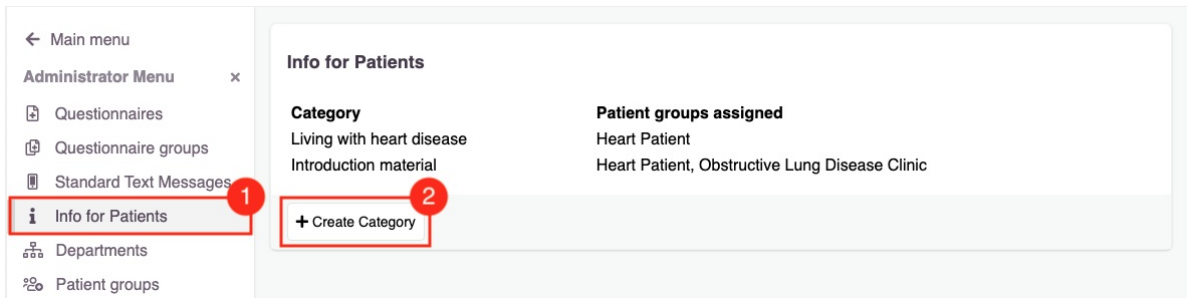




# Info for Patients

The “Info and guidance” menu is used for giving easy access to public healthcare information for patients in a specific patient group. The information is grouped into categories, e.g. one category for each condition or patient group.

## Creating a new info category

1. **Click** on the “Info for Patients” menu.
2. **Press** “Create Category” to create a new category of info.




3. **Enter** the name of the Category of the info or guidance.
4. **Enter** the description of the specific link.
5. **Enter** or copy the link to the web you want to add to the category.
6. or **Press** the “Upload” button to upload a file and link to the uploaded file.
7. **Press** the **+** button to add the link to the category.
8. **Press**  or  if you want to edit or delete the link.
9. **Select** the Patient group.
10. **Press** “Create” to create the link and return to the overview of Info and Guidance.

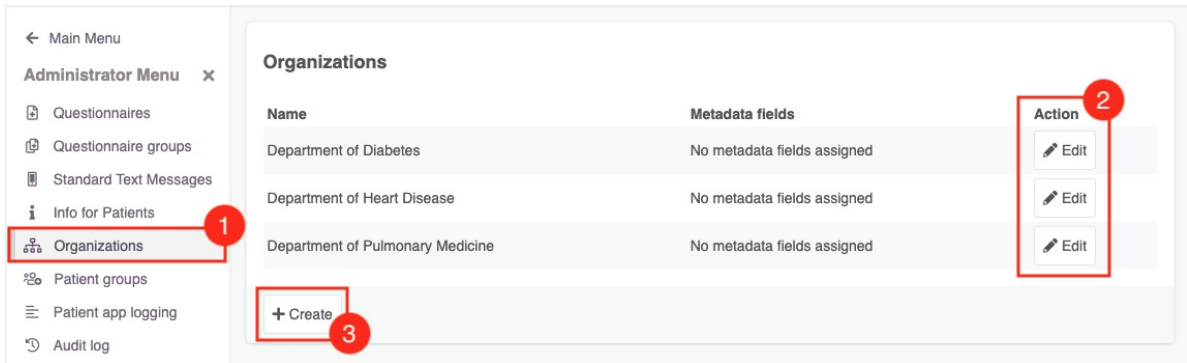
The screenshot shows the 'Create Category' form. It has a title 'Create Category' and a 'Category\*' field with a red box and number 3. Below it is a 'Links\*' section with a table. The table has columns for 'Title', 'Link', and 'Action'. The first row has 'Google' as the title and 'https://www.google.com' as the link. The 'Action' column has edit and delete icons, highlighted with a red box and number 8. Below the table is an 'Add' section with a 'Link title' field (number 4), a 'Link web address' field (number 5), an 'Upload' button (number 6), and a '+' button (number 7). Below that is a 'Patient groups\*' field with the text 'Select one or more patient groups' (number 9). At the bottom is a 'Create' button (number 10).

# Organizations

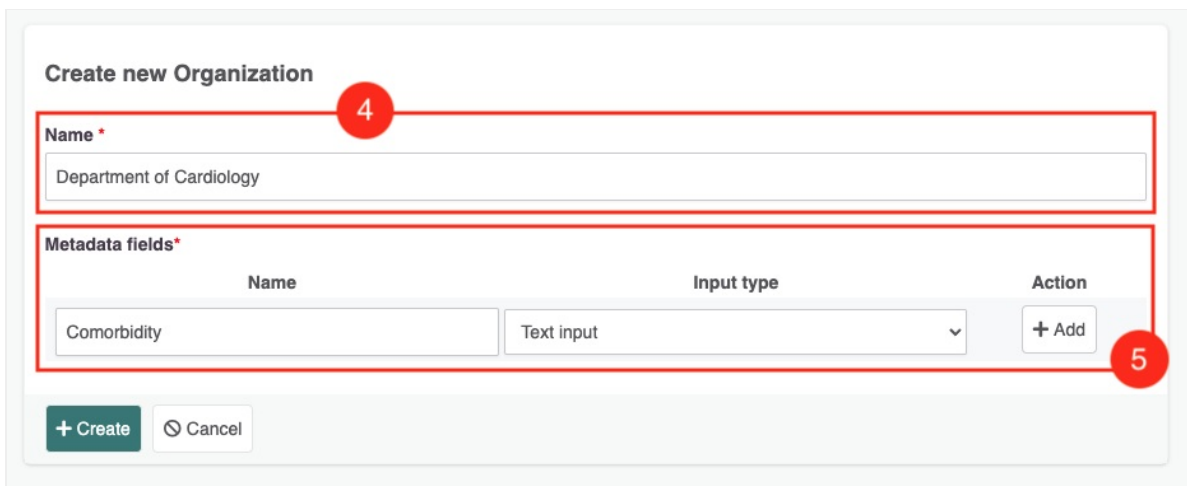
The menu “Organizations” is used for creating and managing the different organizations in the OTH application.

## Creating a new organization

1. Click “Organizations” in the administrator menu.
2. Press  Edit to edit/change an existing organization.
3. Press “Create” to go to the create organization form.



4. Enter the name of the new organization.
5. Add any relevant metadata fields to the new organization by specifying the name and input type of the metadata field. A metadata field can describe any piece of useful metadata about each patient within a given organization. The field is then added to the basic data form when creating or editing a patient belonging to any patient group within that organization. A metadata field can either be a yes/no, whole number, decimal number, text, date, or choice input. A few examples of metadata fields could be:
  - ‘Comorbidity’ as a text input,
  - ‘COVID vaccinated’ as a yes/no input, or
  - ‘Expected discharge’ as a date input.



### Warning

A patient metadata field should not be used for communicate time-sensitive information essential to patient health as these values are not shown in the patient overview nor require any sort of acknowledgement by a clinician making it unclear if these values have been acted upon.

6. Verify that any relevant metadata fields have been added to the organization.




7. **Press** "Create" to create a new organization.



**Create new Organization**

Name \*

Department of Cardiology

**Metadata fields\***

Name	Input type	Action
Comorbidity	Text input	 Edit  Delete
Metadata field name	Checkbox input	 Add

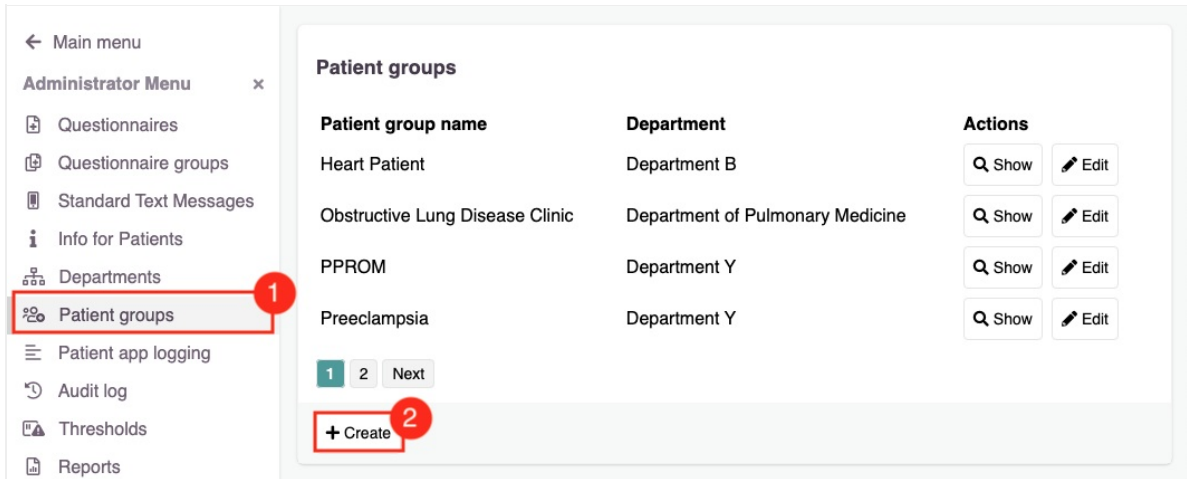
 + Create  Cancel

# Patient groups

The “Patient groups” menu is used for creating and managing the patient groups in the OTH application.

## Creating a new patient group

1. **Click** “Patient groups” in the administrator menu.
2. **Press** “Create” to go to the create patient group form.



3. **Enter** the name of the new patient group.
4. **Select** which organization the patient group should be associated with.
5. **Select** the questionnaire group(s) the patient group should be associated with.
6. **Check** the “Enable messaging to/from patient” box to enable the “Messages” menu in the portal and patient app for all clinicians and patients in the patient group. In addition, this checkbox also toggled whether the “Reviewed” menu in the patient app is also visible.
7. **Check** the “Enable continuous CTG measurements” box to show the “Continuous CTG” menu in the patient app for all patients in the patient group.
8. **Check** the “Show due date and gestational age” box if it should be possible to enter a due date in the basic data for the patient. If checked the gestational age is calculated and shown at the top of the patient menu.
9. **Press** “Create” to create the patient group.

The screenshot shows the 'Create patient group' form with the following fields and callouts:



- 3: Text input field for 'Patient group name \*' with placeholder 'Enter patient group name'.
- 4: Dropdown menu for 'Department \*' with 'Department of Pulmonary Medicine' selected.
- 5: Multi-select input field for 'Questionnaire groups' with placeholder 'Select one or more questionnaire groups'.
- 6: Checked checkbox for 'Enable messaging to/from patients'.
- 7: Unchecked checkbox for 'Enable continuous CTG measurements'.
- 8: Unchecked checkbox for 'Show due date and gestational age'.
- 9: 'Create' button at the bottom.

10. **Press** "Edit" if you want to correct any data for the patient group.

11. **Press** "Delete" if you want to delete the patient group.

### Show patient group

Patient group name	Obstructive Lung Disease Clinic
Department	Department of Pulmonary Medicine
Questionnaire groups	COPD group
Enable messaging to/from patients	<input checked="" type="checkbox"/>
Enable continuous CTG measurements	<input type="checkbox"/>
Show due date and gestational age	<input type="checkbox"/>

10  Edit  Delete 11

# Patient app logging

The “Patient app logging” menu is used for setting up app logging for a specific patient for a limited period of time in the case where some bug or odd program behavior has to be investigated.

## Setting up app logging for a patient

1. **Click** “Patient app logging” from the administrator menu.
2. **Enter** the name of the patient.
3. **Press** “Find User” to find the patient you want to set up for app logging.


The screenshot shows the 'Patient app logging' configuration page. On the left, the 'Administrator Menu' is visible, with 'Patient app logging' selected (1). The main form contains a 'Username' input field (2) and a 'Find user' button (3). Below these are fields for 'Audit Id', 'Duration in days', and an '+Add' button.

4. The Audit ID for the patient is shown. This Audit ID is used for identifying the patient’s actions in the OTH system’s log files.
5. **Enter** the duration in days for which the app logging should be enabled.
6. **Press** “Add” to setup the app logging.


The screenshot shows the 'Patient app logging' configuration page after a search. A blue bar indicates 'Found user'. The 'Username' input field is empty. The 'Audit Id' field shows a long alphanumeric string (4). The 'Duration in days' field shows '2' (5). The '+Add' button is highlighted (6).

7. Shows for which patients app logging is currently enabled. The app logging is enabled until the date in “Active until”.

## Patient app logging

 Patient added to logging list

**Username**

 Find user

**Audit Id**

**Duration in days**

 Add

## Users with active logging

7

Username	Audit Id	Active until	Action
NancyAnn	8e527c96-6baa-4917-83c9-2046dbea4adc	2021-04-30T14:42:54.650Z	 Delete

# Audit log

In the “Audit log” menu it is possible to view the actions taken by specific users or on specific entities, optionally filtered based on time and the clinician responsible.

1. **Click** “Audit log” from the administrator menu.
2. **Enter** the filter for the search in the log. The following filters are available:
  - a. From date: Fetch events starting the specified **from date**.
  - b. To date: Fetch events until the specified **to date**.
  - c. Event type: Choose one or more event types to fetch, e.g. **Patient created, Threshold updated**, etc.
  - d. Responsible: Show only events that were triggered by the specified **responsible clinician**.
  - e. Entity: Show only events related to the specified entity, .e.g the name of a patient, clinician, or user role.
3. **Press** “Update” to select the logs within the specified filter.

The screenshot shows the 'Audit log' interface. On the left is a sidebar menu with 'Audit log' highlighted and a red circle '1' next to it. The main area is titled 'Audit log' and contains several filter sections: 'From date' (with a red circle 'a' on the date input), 'To date' (with a red circle 'b' on the date input), 'Event type' (with a red circle 'c' on the input field), 'Responsible' (with a red circle 'd' on the input field), and 'Entity' (with a red circle 'e' on the input field). A red box encloses these filter sections, with a red circle '2' at the bottom right corner. Below the filters is a 'Search' input field with a magnifying glass icon and a red circle '3' next to it.

4. A list of events is shown based on the previous search terms.
5. **Click** on an event to see further details.
6. A detailed description of the event is shown.

- ← Main menu
- Administrator Menu x
- Questionnaires
- Questionnaire groups
- Standard Text Messages
- Info for Patients
- Departments
- Patient groups
- Patient app logging
- Audit log**
- Thresholds
- Reports
- Schedule window
- User Management
- Users
- User roles
- API Clients

### Audit log

**From date**  
 Date  at  hh :  mm  AM

**To date**  
 Date  at  hh :  mm  AM

**Event type**  
 Patient created x  Patient updated x

**Responsible**  
 HelenAnderson

**Entity**  
 Enter name of the relevant entity: patient, clinician, rol

Q Search

Time	Event name	Entity	Responsible
04/22/2021 09:16 a.m.	Patient updated	Ozzy Andersen	HelenAnderson
04/22/2021 09:14 a.m.	Patient updated	Ozzy Andersen	HelenAnderson
04/20/2021 01:40 p.m.	Patient create	Ozzy Andersen	HelenAnderson
04/20/2021 01:00 p.m.	Patient updated	Jane Doe	HelenAnderson
04/20/2021 12:53 a.m.	Patient updated	Jane Doe	HelenAnderson
04/16/2021 07:55 a.m.	Patient created	Jane Doe	HelenAnderson

« 1 »

**Patient created**

**First name:** Ozzy

**Last name:** Andersen

**Patient id:** 55663322787

**Username:** Ozzy

**Address:** Address

**City:** City

**Date of birth:** 06/12/1981 12:00 a.m.

**Email:** Ozzy@ozzypmail.com

**Postal code:** 8888

**Sex:** Male

**State:** Active

# Thresholds

In the “Thresholds” menu it is possible setup threshold values for the different patient groups.

In the create patient flow, the thresholds assigned to the patient groups of the patient being created will be used as the default values for that patient. It is then possible to adjust these assigned default values as part of the flow.

## Thresholds overview

1. **Click** “Thresholds” from the administrator menu.
2. The list of thresholds assigned to a specific patient group, which can be inspected, edited and deleted.
3. **Click** “Add threshold” to add a new threshold to the specific patient group. (see **Add threshold** section)
4. **Click** “Delete all thresholds” to delete all thresholds for the specific patient group.
5. Filtering options. (see **Filtering thresholds** section)

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation	Actions
Blood pressure, systolic	Absolute	mmHg	130	110	-	-	60% of last 5	[Edit] [Delete]
Blood pressure, diastolic	Absolute	mmHg	120	100	-	-	-	[Edit] [Delete]
Daily steps	Absolute	Step count	-	-	10000	5000	-	[Edit] [Delete]
Weight	Relative lowest within 3 days	kg	2	1	-	-	-	[Edit] [Delete]

## Add threshold

1. **Select** the “Measurement type” for the new threshold.

Add threshold for patient group: Hypertension

Measurement type\*  
-Select measurement type-

No threshold selected

Create

2. **Select** the “Threshold type” for the new threshold. Depending on the selected measurement type there are up to four possibilities:

- Absolute
- Relative latest
- Relative period
- Lag

each of these will be described below.

**Add threshold for patient group: Hypertension**

Measurement type\*  
 Blood pressure (mmHg) 2

Threshold type\*  
 -Select threshold type-

Aggregation

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Blood pressure, systolic	-						-
Blood pressure, diastolic	-						-

### Absolute thresholds

An **absolute** threshold compares a new measurement value with a fixed set of value limits when determining its severity.

3. **Enter** the relevant limits of the thresholds:
  - a. Red alarm (high): values greater than this trigger a red alarm.
  - b. Yellow alarm (high): values greater than this trigger a yellow alarm.
  - c. Yellow alarm (low): values lower than this trigger a yellow alarm.
  - d. Red alarm (low): values lower than this trigger a red alarm.

**Add threshold for patient group: Hypertension**

Measurement type\*  
 Blood pressure (mmHg)

Threshold type\*  
 Absolute

Aggregation

3

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Blood pressure, systolic	Absolute	mmHg	130 <span style="color: red;">a</span>	110 <span style="color: red;">b</span>	<span style="color: red;">c</span>	<span style="color: red;">d</span>	-
Blood pressure, diastolic	Absolute	mmHg					-

4

In the above example, the threshold should be read as: if a patient submits a blood pressure measurement where the systolic value greater than 130 mmHg then trigger a red alarm, if it is less than 130 mmHg but greater than 110 mmHg then trigger a yellow alarm, and finally if it is lower than 110 mmHg then don't trigger any alarm.

4. **Press** "Create" to create the threshold for the patient group.

### Relative latest threshold

A **relative latest** threshold compares a new measurement with the latest measurement received by looking at the change in value between the two measurements when determining its severity.

3. **Select** whether to define the threshold limits for the measurement value change as a percentage or an absolute value.
4. **Enter** the relevant limits of the threshold.
5. **Press** "Create" to create the threshold for the patient group.

**Add threshold for patient group: Hypertension**

**Measurement type\***

**Threshold type\***

**Change in\***

**i** The chosen threshold type is relative to the latest measurement value submitted by the patient. The threshold is expressed as the change in absolute value needed in order for the new measurement value to trigger a yellow or red alarm when compared to the previous measurement.

**Aggregation**

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Weight	Relative latest	kg	2.5 <b>a</b>	1.5 <b>b</b>	<b>c</b>	<b>d</b>	-

**Create**

In the above example, the threshold should be read as: if a patient submits a weight measurement where the change in value compared to the previous measurement is greater than 2.5 kg then trigger a red alarm, if it is less than 2.5 kg but greater than 1.5 kg then trigger a yellow alarm, and finally if it is lower than 1.5 kg don't trigger any alarm.

**Note:** Because the relative latest threshold calculates the severity based on a previously submitted measurement, the very first measurement submitted by the patient will always trigger an orange alarm, because the patient will have no prior measurements to compare it to. If an orange alarm is shown, the clinician will need to assess the patient measurement manually.

### Relative period thresholds

A **relative period** threshold compares a new measurement to the measurement received previously within a given time period that has the highest or lowest value, and then looks at the change in value between the two measurements when determining its severity.

3. **Select** whether to define the threshold limits for the measurement value change as a percentage or an absolute value.
4. **Select** whether to compare the measurement with the highest or lowest value received within the time period.
5. **Select** whether the time period should be the whole time the patient has been enrolled or a period of the last number of days. If the latter, then **enter** the number of days to look back in time.
6. **Enter** the relevant limits of the threshold.
7. **Press** "Create" to create the threshold for the patient group.

**Add threshold for patient group: Hypertension**

**Measurement type\***  
Weight (kg) ▼

**Threshold type\***  
Relative period ▼

**3** **Change in\***  
Absolute value ▼

**4** **Compared to\***  
Lowest measurement value ▼

**5** **Received over a period of\***  
The last number of days ▼

**Days (between 1-365)**  
5

**i** The chosen threshold type is relative to the lowest measurement value submitted by the patient within the last 5 days. The threshold is expressed as the change in absolute value needed in order for the new measurement value to trigger a yellow or red alarm when compared to the previous measurement.

**Aggregation**

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Weight	Relative lowest within 5 days	kg	2.5	1.5			-

**6** **7** **Create**

In the above example, the threshold should be read as: if a patient submits a weight measurement where the change in value compared to the lowest measurement received within the last 5 days is greater than 2.5 kg then trigger a red alarm, if it is less than 2.5 kg but greater than 1.5 kg then trigger a yellow alarm, and finally if it is lower than 1.5kg don't trigger any alarm.

**Note:** Because the relative period threshold calculates the severity based on a previously submitted measurement, the very first measurement submitted by the patient will always trigger an orange alarm, because the patient will have no prior measurements to compare it to. If an orange alarm is shown, the clinician will need to assess the patient measurement manually.

### Aggregate thresholds

When adding a new patient group threshold, of one of the above types, it is possible to make it *aggregate*. This means that a measurement value has to exceed the threshold for at least a certain percentage of the latest received measurements. For example, if an aggregate threshold is set to 40% of the last 5 measurements, it means that at least 2 of the latest 5 measurements, including the latest one, must exceed the threshold (be it absolute or relative).

If there are not enough previous measurements to evaluate an aggregate measurement, the measurement will trigger an orange alarm.

### Example

If we have an **absolute** weight threshold with a **Red alarm (high)** set to 100 kg with aggregation set to 40% of the latest 5 measurements we get the following set of severities:

Measurement sequence (kg)					Severity
95	95	98	99	101	OK
95	98	99	101	99	OK
98	99	101	99	102	RED ALARM
99	101	99	102	98	OK

### Adding aggregate thresholds

On the **Add threshold** page:

1. **Select** the “Measurement type” for the new threshold.
2. **Select** the “Threshold type” for the new threshold.
3. **Check** the “Aggregation” checkbox to enable aggregation.
4. **Enter** the percentage of the looked at measurements that need to exceed a limit, and the **enter** the number of measurements to look at.
5. **Enter** the relevant limits of the threshold.
6. **Press** “Create” to create the threshold for the patient group.

**Add threshold for patient group: Hypertension**

**Measurement type\*** 1

Blood pressure (mmHg) v

**Threshold type\*** 2

Absolute v

**Aggregation**  3

60 4 % of last 5 measurements

**i** With aggregation enabled, a warning or alarm is not triggered until at least a certain percentage of the last N measurements exceed the threshold, with these settings at least 3 measurements. This means that a very severe measurement may go unnoticed for days. To avoid this, it is recommended to use it along with an absolute threshold for safety.

5 Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Blood pressure, systolic	Absolute	mmHg	130	110	[ ]	[ ]	60% of last 5
Blood pressure, diastolic	Absolute	mmHg	120	100	[ ]	[ ]	60% of last 5

**6** Create

In the above example, the threshold should be read as a normal absolute threshold except that it now requires 3 (60%) of the 5 latest received measurements to exceed a limit before the measurement triggers a yellow or red alarm.

### Lag

In contrast to the previous threshold types that are used for calculating the severity of a measurement attached to a questionnaire or an external measurement. The **lag** threshold is used for calculating the severity of a stream of measurements being continuously submitted by a patient, e.g. in a *virtual ward* scenario where a patient has a measurement device attached to them that continuously monitor and submits their vitals. The **lag** threshold works by looking at all measurements received within the last number of minutes and then calculates whether the trend of the patient’s severity is changing, thus minimizing any false alarms in the case where a patient has a very brief spike.

3. **Enter** the number of minutes back in time the threshold should compare measurements.

4. **Enter** the relevant limits of the thresholds:
  - a. Red alarm (high): values greater than this trigger a red alarm.
  - b. Yellow alarm (high): values greater than this trigger a yellow alarm.
  - c. Yellow alarm (low): values lower than this trigger a yellow alarm.
  - d. Red alarm (low): values lower than this trigger a red alarm.

**Add threshold for patient group: PPROM**

Measurement type\*

Threshold type\*

Minutes

**i** The chosen threshold type only works for measurement data that is being continuously streamed from a device to the system. A lag between incoming measurements and the calculated severity is added such that the severity does not change immediately when a single measurement is submitted that is above/below a certain limit, but instead waits until all measurements within the last 5 minutes are above/below the limit

Measurement type	Threshold type	Unit	Red alarm (high)	Yellow alarm (high)	Yellow alarm (low)	Red alarm (low)	Aggregation
Pulse	Lag of 5 minutes	Beats per minute	<input type="text" value="100"/>	<input type="text" value="90"/>	<input type="text" value=""/>	<input type="text" value=""/>	-

In the above example, the threshold should be read as: if all pulse measurements submitted by the patient within the last 5 minutes have a value greater than 100 BPM then trigger a red alarm, if all pulse measurements submitted by the patient within the last 5 minutes have a value greater than 90 BPM then trigger a yellow alarm, etc.

5. **Press** “Create” to create the threshold for the patient group.

## Filtering the list of thresholds

The list of thresholds shown in the **thresholds overview** can be filtered in the following ways.

1. **Select** a specific patient group to hide all other patient groups in the overview, or
2. **Select** a specific measurement type to hide all patient groups without a threshold defined for the selected measurement type.
3. **Click** reset filtering to show all patient group thresholds again.

**Thresholds**

**Patient Group**

Filter by patient group

**Measurement Type**

Filter by measurement type

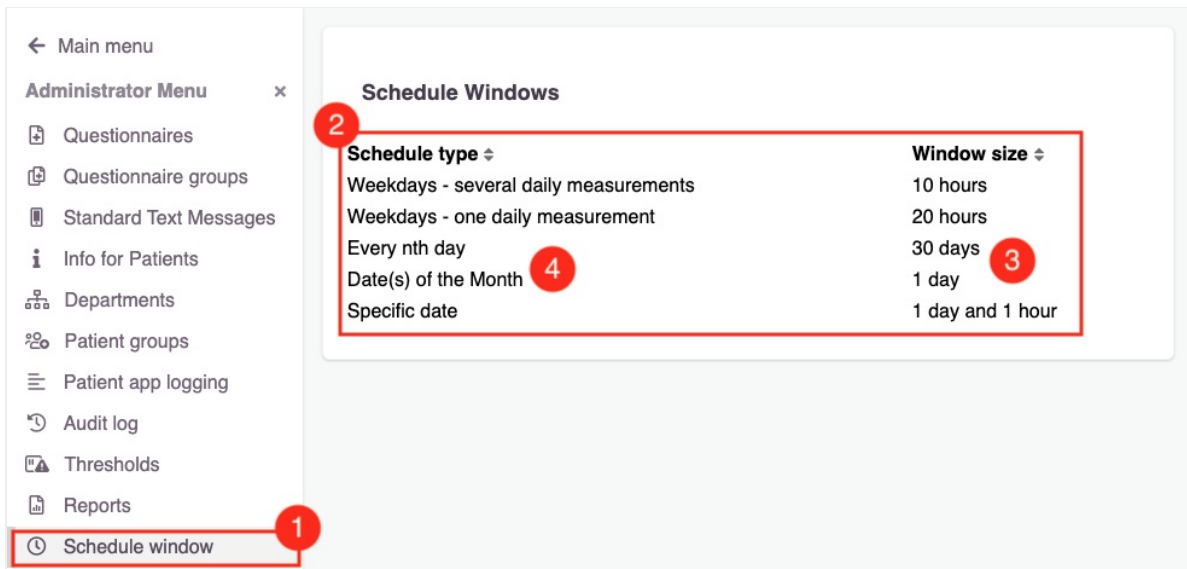
Reset Filters

# Schedule window

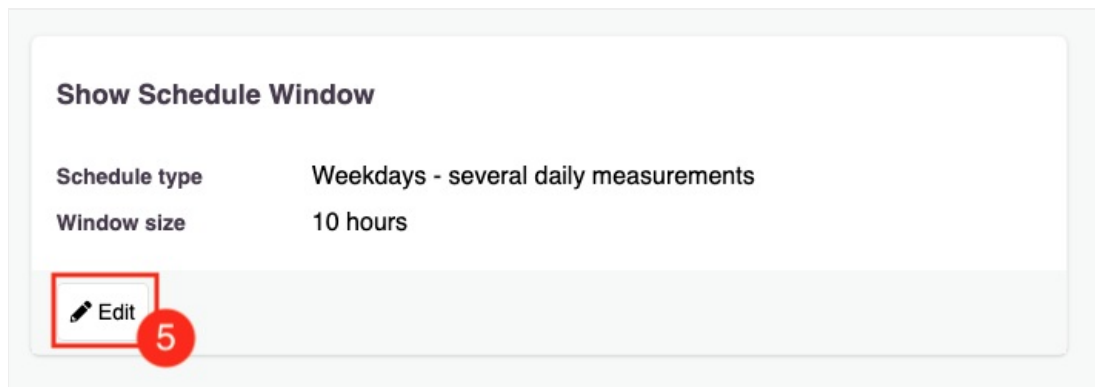
The “Schedule window” menu is used for changing the number of hours/days a questionnaire can be sent in before a deadline and still be valid.

## How to edit the window of a schedule type

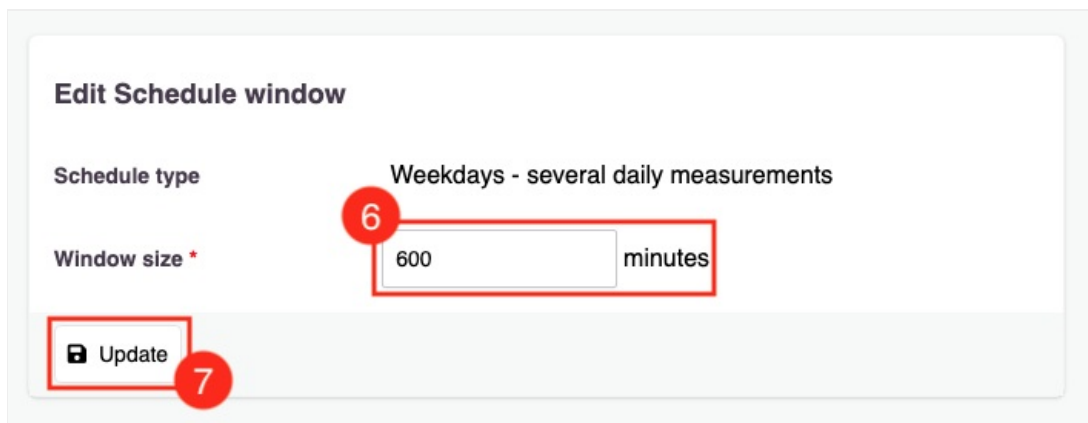
1. **Click** “Schedule window” from the administrator menu.
2. The list of available schedule types when defining the schedule of a questionnaire.
3. Shows the number of hours/days before a given deadline that it is possible for a patient to submit a questionnaire for it to be considered valid.
4. **Click** on a schedule type to edit the specific type.



5. **Press** “Edit” to navigate to the edit schedule type form.



6. **Enter** the number of minutes the schedule window should have.
7. **Press** “Update” to update the schedule window.

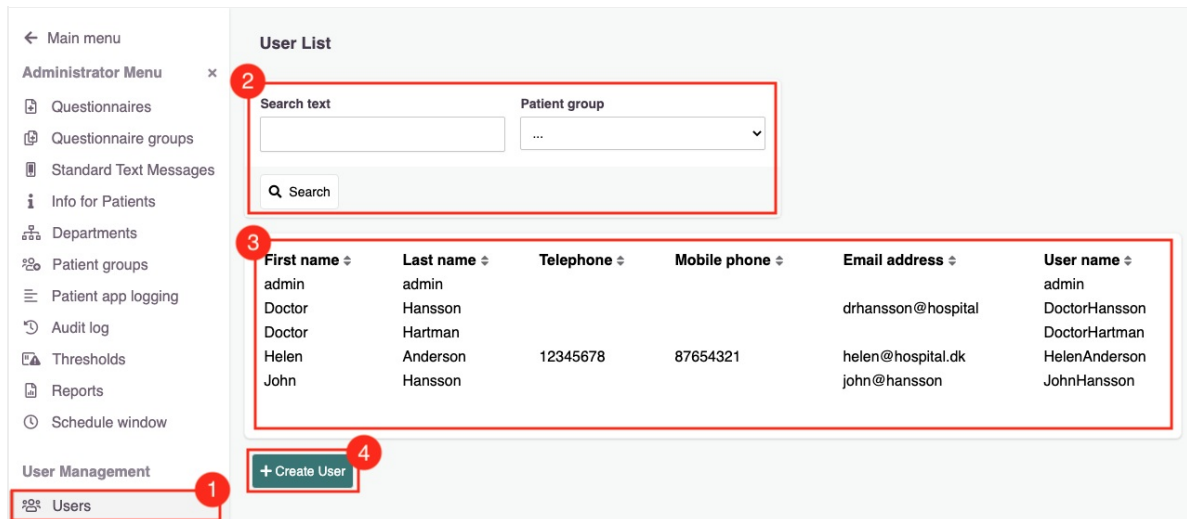


# Users

The “Users” menu is used for creating and administrating the clinical users of the OTH application.

## Creating a new user

1. **Click** “Users” in the administrator menu.
2. It is possible to search for a user by entering the name, or part of the name, of the user you are looking for and/or to limit the users shown to users assigned a specific patient group, and then **pressing** “Search”.
3. The list of users already created.
4. **Press** “Create User” to create the new user.



5. **Enter** the first name of the user.
6. **Enter** the last name of the user.
7. **Enter** the user ID.
8. **Enter** the user name (It needs to be a unique name).
9. OTH assigns the user a temporary password. It needs to be changed the first time the user is logging into the system.
10. **Enter** the telephone number of the user.
11. **Enter** the mobile phone number of the user.
12. **Enter** the email of the user.
13. **Select** one or more patient groups that the clinical user should be assigned.
14. **Select** the user role(s) for the user.
  - a. Access all patients: Grant access to see all patients in the system.
  - b. Administrator: Grant access to all administration menus.
  - c. Clinician: Grant access to all clinician menus (those described in the clinician user manual).
  - d. Video consultant: Grant access to video conferencing functionality allowing clinicians to call up patients in the app.
15. **Press** “Create” to create the user.

### Create User

5

6

First name \*

Last name \*

7

User ID

8

User name \*

9

Temporary code \*

10

Telephone

11

Mobile phone

12

Email address

13

Patient group

- Preeclampsia (Department Y)
- PPROM (Department Y)
- Heart Patient (Department B)
- Obstructive Lung Disease Clinic (Department of Pulmonary Medicine)
- Diabetes Group (Diabetes Department)

14

User roles

- Access all patients
- Administrator
- Clinician
- Video consultant

15

16. The created user is shown.

17. If any corrections are needed for the created user, **Press** "Edit".

### Show User

16

First name	Helen
Last name	Anderson
User ID	helen@hospital.dk
User name	HelenAnderson
Password	(Chosen by user)
Email address	helen@hospital.dk
Patient groups	Heart Patient , Preeclampsia , Obstructive Lung Disease Clinic
User roles	Administrator, Clinician, Video consultant


17

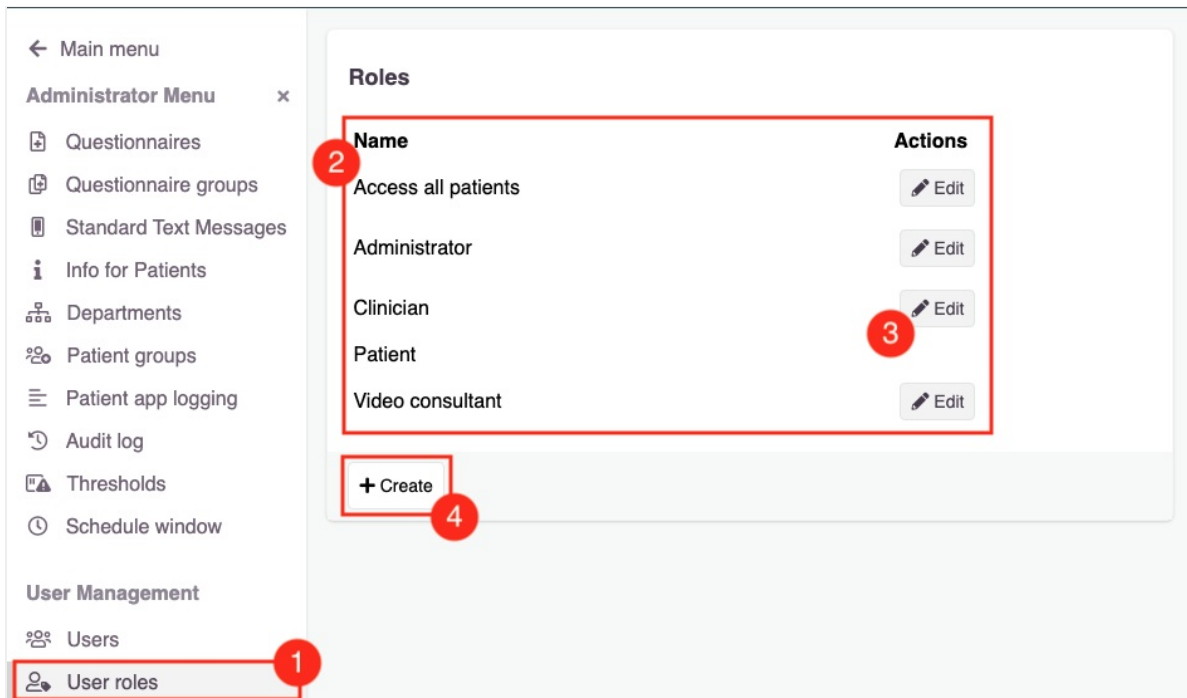
# User roles


The “User roles” menu is used for creating and managing the user roles in the OTH system.

**Note: Changing the settings of the default user roles can have unexpected consequences, so please consult the OTH tech support before doing so.**

## Creating and editing a user role

1. **Click** “User roles” from the Administrator menu.
2. The list of user roles already created in the system.
3. **Press**  **Edit** to edit/change an existing user role.
4. **Press** “Create” to navigate to the create user role form.



5. **Enter** the name of the new user role.
6. In “Filter permissions” it is possible to filter the user permissions below, e.g. entering “Threshold” shows all permissions with the string “Threshold” in their name.
7. The list of all permissions.
8. **Click** on the  **Add** button to add permissions to the user role.
9. The permissions are paginated.

**Role:**

Name

**Assignable permissions**

7	Name	Name	Actions
	Administration	Read: Admin menu (Read admin menu)	+ Add
	AirView	Read: Airview measurements (Read measurements from the AirView Exchange service)	+ Add
	Apps	Read: Client-Citizen (Read version information about the client-citizen app and download updates if needed.)	+ Add
	Audit	Read: Audit Log (Read Audit Log entries)	+ Add
	Calendar	Delete: Events (Delete calendar events)	+ Add
	Calendar	Read: Events (Read calendar events)	+ Add
	Calendar	Read: Own events (Read calendar events where current user is a participant)	+ Add
	Calendar	Write: Events (Create/update calendar events)	+ Add
	Clinician	acknowledge: external measurements (Acknowledge external measurements)	+ Add
	Clinician	Acknowledge: Questionnaires (Acknowledge questionnaires)	+ Add
	Clinician	Call: Videos (Call videos)	+ Add
	Clinician	Create: Clinicians (Create clinicians)	+ Add
	Clinician	Create: Departments (Create departments)	+ Add
	Clinician	Create: Messages (Create messages)	+ Add
	Clinician	Create: Monitoring plans (Create monitoring plans)	+ Add

« 1 2 3 4 5 6 7 8 9 10 11 12 13 14 »

10. The list of permissions assigned to the role can be seen in the list.
11. The search bar for filtering.
12. **Click** on the  button to add permissions to the user role and  to remove an already assigned permission from the user role.
13. The permissions are paginated.
14. **Click** "Create" to complete the assignment of permissions.

## Role: Thresholds viewer

Name

Thresholds viewer

### Assignable permissions

Q thresh

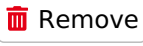

Name	Name	Actions
Clinician	Read all: Thresholds (Read all thresholds)	+ Add
Thresholds	Delete: patient group thresholds (Delete thresholds for defined for a specific patient group.)	Remove
Thresholds	Delete: patient thresholds (Delete thresholds for defined for a specific patient.)	Remove
Thresholds	Evaluate: measurement thresholds (Evaluates measurements against defined patient thresholds.)	+ Add
Thresholds	Read: Own patient thresholds (Read own patient thresholds)	+ Add
Thresholds	Read: patient group thresholds (Read thresholds for defined for a specific patient group.)	Remove
Thresholds	Read: patient thresholds (Read thresholds for defined for a specific patient.)	Remove
Thresholds	Write: patient group thresholds (Define thresholds for a specific patient group and measurement type.)	Remove
Thresholds	Write: patient thresholds (Define thresholds for a specific patient and measurement type.)	Remove

« 1 »

### Changes

Name	Name	Actions
Thresholds	Write: patient thresholds (Define thresholds for a specific patient and measurement type.)	Remove
Thresholds	Write: patient group thresholds (Define thresholds for a specific patient group and measurement type.)	Remove
Thresholds	Read: patient thresholds (Read thresholds for defined for a specific patient.)	Remove
Thresholds	Read: patient group thresholds (Read thresholds for defined for a specific patient group.)	Remove
Thresholds	Delete: patient thresholds (Delete thresholds for defined for a specific patient.)	Remove
Thresholds	Delete: patient group thresholds (Delete thresholds for defined for a specific patient group.)	Remove

Create

- Shows the name of the user role.
- Shows the permissions assigned to the user role, and also includes a search bar for filtering.
- Click** the  Remove button to remove assigned permissions from the user role.
- The search bar for filtering.
- Click** on the  + Add button to add more permissions to the user role
- The permissions are paginated.
- Click** "Update" to update the assigned permissions to the user role.

## Role: Thresholds viewer

Name

Thresholds viewer

15

### Assigned Permissions

Q thresh

16

Name	Name	Actions
Thresholds	Delete: patient group thresholds (Delete thresholds for defined for a specific patient group.)	17 Remove
Thresholds	Delete: patient thresholds (Delete thresholds for defined for a specific patient.)	Remove
Thresholds	Read: patient group thresholds (Read thresholds for defined for a specific patient group.)	Remove
Thresholds	Read: patient thresholds (Read thresholds for defined for a specific patient.)	Remove
Thresholds	Write: patient group thresholds (Define thresholds for a specific patient group and measurement type.)	Remove
Thresholds	Write: patient thresholds (Define thresholds for a specific patient and measurement type.)	Remove

« 1 »

### Assignable permissions

Q Filter permissions

18

Name	Name	Actions
Clinician	Read all: Thresholds (Read all thresholds)	+ Add
Thresholds	Delete: patient group thresholds (Delete thresholds for defined for a specific patient group.)	
Thresholds	Delete: patient thresholds (Delete thresholds for defined for a specific patient.)	
Thresholds	Evaluate: measurement thresholds (Evaluates measurements against defined patient thresholds.)	+ Add
Thresholds	Read: Own patient thresholds (Read own patient thresholds)	+ Add
Thresholds	Read: patient group thresholds (Read thresholds for defined for a specific patient group.)	
Thresholds	Read: patient thresholds (Read thresholds for defined for a specific patient.)	
Thresholds	Write: patient group thresholds (Define thresholds for a specific patient group and measurement type.)	
Thresholds	Write: patient thresholds (Define thresholds for a specific patient and measurement type.)	

19

20

« 1 »

Update

21


22. User roles are now updated with the new permissions.

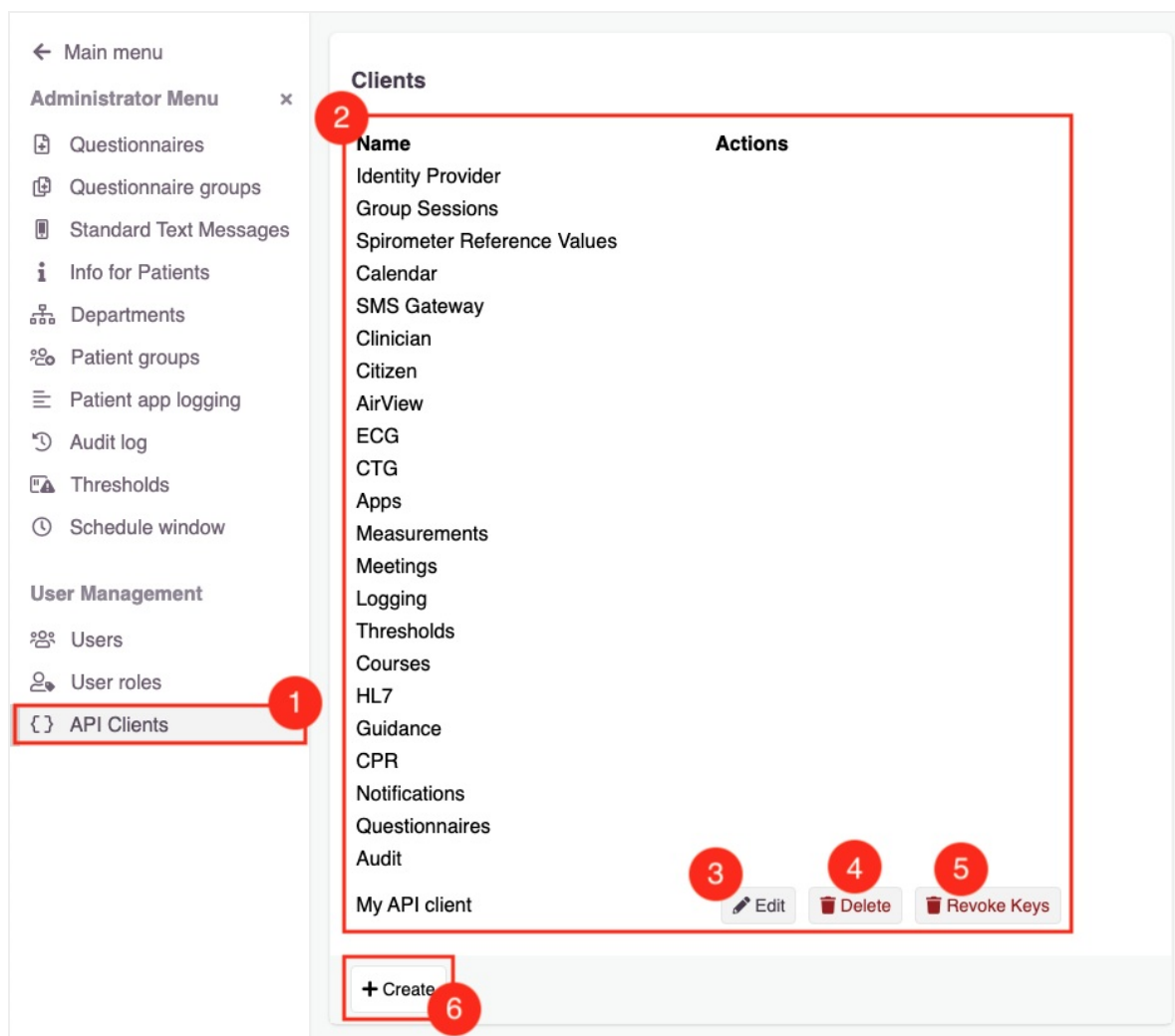
# API Clients


The menu “API Clients” is used for allowing and administering external access to the OTH APIs, e.g. from some 3rd party integration module.

**Note: A number of built-in API Clients exists and these cannot be edited or removed, but will be shown in the list of API clients.**

## Creating and Editing an API Client

1. **Click** “API Clients” from the Administrator menu.
2. The list of API clients already created in the system.
3. **Press**  **Edit** to edit/change an existing API Client.
4. **Press** “Delete” to remove an API Client from the system.
5. **Press** “Revoke Keys” to revoke existing credentials for the API Client and generate new credentials. The new credentials will be shown in a popup dialog and must be copied for distribution from that dialog. This can be useful if credentials are lost or compromised.
6. **Press** “Create” to create a new API Client



7. **Enter** the name of the new API Client.
8. It is possible to copy all permissions from an existing user role to this API client
9. In “Filter permissions” it is possible to filter the user permissions below, e.g. entering “Threshold” shows all permissions with the string “Threshold” in their name.
10. The list of all permissions.
11. **Click** on the  **Add** button to add permissions to the API Client.
12. The permissions are paginated.
13. **Press** “Create” to create the new API Client.

**Client:**

Name 7

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**Assignable permissions**

Assign permissions from Role 8 9 Filter permissions

-Select role-

10	Name	Name	Actions
	Administration	Read: Admin menu (Read admin menu)	<input type="button" value="+ Add"/>
	AirView	Read: Airview measurements (Read measurements from the AirView Exchange service)	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">11</span> <input type="button" value="+ Add"/>
	Apps	Read: Client-Citizen (Read version information about the client-citizen app and download updates if needed.)	<input type="button" value="+ Add"/>
	Audit	Read: Audit Log (Read Audit Log entries)	<input type="button" value="+ Add"/>
	Calendar	Delete: Events (Delete calendar events)	<input type="button" value="+ Add"/>
	Calendar	Read: Events (Read calendar events)	<input type="button" value="+ Add"/>
	Calendar	Read: Own events (Read calendar events where current user is a participant)	<input type="button" value="+ Add"/>
	Calendar	Write: Events (Create/update calendar events)	<input type="button" value="+ Add"/>
	Clinician	acknowledge: external measurements (Acknowledge external measurements)	<input type="button" value="+ Add"/>
	Clinician	Acknowledge: Questionnaires (Acknowledge questionnaires)	<input type="button" value="+ Add"/>
	Clinician	Call: Videos (Call videos)	<input type="button" value="+ Add"/>
	Clinician	Create: Clinicians (Create clinicians)	<input type="button" value="+ Add"/>
	Clinician	Create: Departments (Create departments)	<input type="button" value="+ Add"/>
	Clinician	Create: Messages (Create messages)	<input type="button" value="+ Add"/>
	Clinician	Create: Monitoring plans (Create monitoring plans)	<input type="button" value="+ Add"/>

« 1 2 3 4 5 6 7 8 9 10 11 12 13 14 » 12

13

14. The “Edit” flow is very similar to the create flow. For details see how to edit User Roles in the previous section.

# Addendum

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## Precautions

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The information in this document are subject to change without notice.

## Legal Notices

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OpenTeleHealth declares that OpenTele version 2 software application is placed on the market in compliance with Council directive 93/42/EEC concerning Medical Devices.

## Manufacturer

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