



Healthcare Practitioner Manual

DEARhealth v2.2



1912

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1. Introduction

What is DEARhealth?

DEARhealth is a software platform that uses care path technology and recommendations to support the healthcare provider in making decisions in the treatment of patients. In the DEARhealth platform, the care of patients with chronic disease is arranged in a smart care pathway.

A care pathway represents the description of successive steps, decision moments and criteria in the care process for a patient group with a specific care need. In short, a care pathway is an overview of who will receive, which care, and when. DEARhealth aims to increase quality of life and to improve the health outcomes of patients such as reducing the individual risk and hospital readmissions.



How does DEARhealth work?

Based on your patient's medical data as known to you and the results of questionnaires completed by the patient in their DEARhealth app, DEARhealth's care pathway technology provides recommendations. This can lead to adjustments in the care pathway to avoid certain risks. Examples of these risks include worsening of disease specific symptoms or hospitalization.

2. Access to the DEARhealth platform

DEARhealth via the EMR

You can reach the DEARhealth platform via your EMR¹. This functionality is called Single Sign-On or SSO. You log in to your EMR as usual and search for your patient in the way you are used to. If you use the SSO to open the DEARhealth platform, you will get redirected immediately and you don't have to login separately. DEARhealth will open the profile page of the patient that was selected in the EMR. You don't have to search separately for this patient on the DEARhealth platform. It is therefore not possible to switch patients within the DEARhealth platform. You must close the open patient and select a new patient in the EMR, then reopen the DEARhealth platform again via the SSO. The SSO can be used embedded in the EMR or in an external browser, depending on the EMR and EMR version in use.

DEARhealth standalone

In addition, you can also log in directly to the DEARhealth platform via <https://practitioner-portal.dearhealth.eu/> or for the US: <https://practitioner-portal.dearhealth.com>.

1. The opening screen will appear as follows:

The logo for DEARhealth, with 'Dear' in blue and 'health' in orange.

Email address

Login

2. Enter your email address as known by DEARhealth and then click on login.

¹ Not every hospital has chosen to implement this functionality. Be sure that the browser provided by your EMR vendor does meet the required supported browsers. The function of the SSO can be different per EMR and version of the EMR.

- You will receive a similar email to the one below with a DEAR verification code at your email address. The verification code is valid for 10 minutes. If this time expires before you use the code, start again from step 2.

Please use the code to login to the DEARhealth portal:

436207



Dearhealth

- Manually enter the verification code on the healthcare provider portal and click on 'Verify'.

Dearhealth

Email verification code

Please enter your email verification code

Verify

- You will then receive a second verification code via SMS, enter this code and click on 'Verify'.

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SMS code

6. You are now logged into the portal.

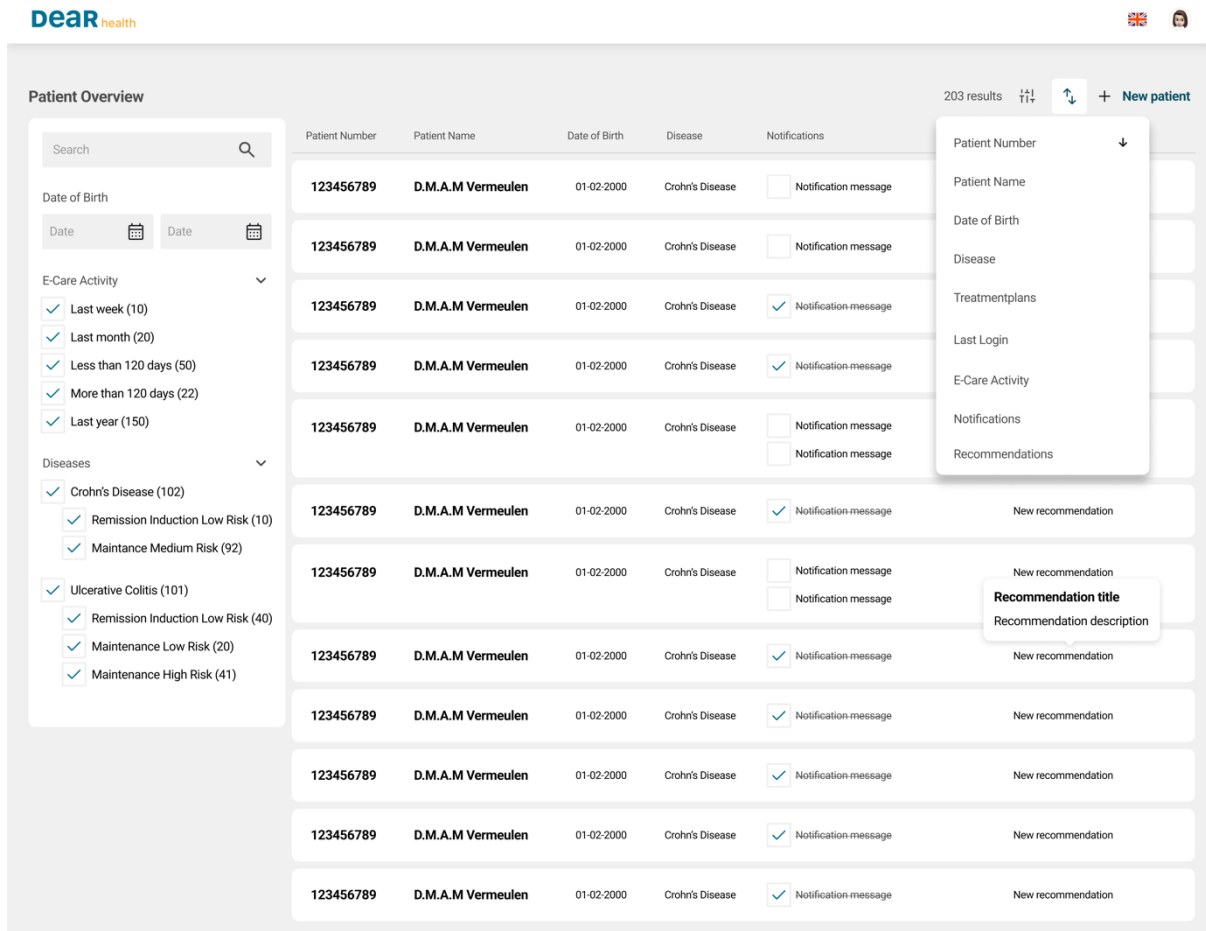
SSO

The SSO opened in an external browser and DEARhealth stand-alone have an automatic time-out and will be logged out after x minutes of inactivity (configurable per provider). Via the SSO a message will be shown after automatic time-out to notify that DEARhealth is closed because of patient privacy reasons. Stand-alone, you will be re-directed to the provider choice window. If the SSO is opened embedded in the EMR, it has not time-out and follows the EMR logout.



3. Patient Overview DEARhealth Platform

Patient Overview use



After logging in, you'll be taken to the patient overview page, where you can click through, filter, sort, or search for a specific (new) patient.



Patient Overview

203 results   + [New patient](#)

Filters:

- Date of Birth:** Date  Date 
- E-Care Activity:**
 - ☒ Last week (10)
 - ☒ Last month (20)
 - ☒ Less than 120 days (50)
 - ☒ More than 120 days (22)
 - ☒ Last year (150)
- Diseases:**
 - ☒ Crohn's Disease (102)
 - ☒ Remission Induction Low Risk (10)
 - ☒ Maintenance Medium Risk (92)
 - ☒ Ulcerative Colitis (101)
 - ☒ Remission Induction Low Risk (40)
 - ☒ Maintenance Low Risk (20)
 - ☒ Maintenance High Risk (41)

Patient Number	Patient Name	Date of Birth	Disease	Notifications	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input type="checkbox"/> Notification message	
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation
123456789	D.M.A.M Vermeulen	01-02-2000	Crohn's Disease	<input checked="" type="checkbox"/> Notification message	New recommendation

Dropdown Menu:

- Patient Number
- Patient Name
- Date of Birth
- Disease
- Treatmentplans
- Last Login
- E-Care Activity
- Notifications
- Recommendations

Figure 1 Patient Overview

Top Bar

- By clicking on the DEARhealth logo, you can navigate back to the previous page.
- You can select your preferred **language**.
- By clicking the user icon on the right, you can **log out**.

Filtering

- Patients can also be **filtered**. Click on Filters in the left-hand menu. An example is shown below:

Search

Date of Birth

Date

E-Care Activity

- ☒ Last week (10)
- ☒ Last month (20)
- ☒ Less than 120 days (50)
- ☒ More than 120 days (22)
- ☒ Last year (150)

Diseases

- ☒ Crohn's Disease (102)
 - ☒ Remission Induction Low Risk (10)
 - ☒ Maintenance Medium Risk (92)
- ☒ Ulcerative Colitis (101)
 - ☒ Remission Induction Low Risk (40)
 - ☒ Maintenance Low Risk (20)
 - ☒ Maintenance High Risk (41)

- In the **search bar** (Search), you can search for patients based on various criteria:
 - o **Patient Number.**
 - o **Patient Name.**
 - o **Date of Birth.**
 - o **Disease.**
 - o **Treatmentplan.**
- The **E-Care Activity** column displays patients who have completed their latest E-Care activity within a specific time frame.
- The **Diseases** column indicates which medical conditions are present in the table. It is possible to filter patients by condition and/or scenario.
- Additional filters might be available depending on your system configuration.

Table

- The table consists of the following columns:
 - o **Patient Number** indicates the unique patient number assigned to the patient.
 - o **Patient Name** displays the initials and surname of the patient.
 - o **Date of Birth** displays the patient's date of birth.
 - o **Disease** indicates the patient's medical condition.
 - o **Treatmentplan** indicates the active care plan(s) assigned to the patient.
 - o **Last Login** shows the most recent date the patient used the app.

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- o E-Care Activity displays the most recent date an E-Care questionnaire was completed.
- o Notifications indicates if there are new notifications. The most recent notification is displayed at the top. Notifications can be handled from the patient overview page by clicking the checkbox.
- o Recommendations indicates if new recommendations are available. To view a recommendation, hover the mouse cursor over it. Recommendations can be accepted or rejected by clicking on the patient and processing them on the patient-specific page.

Notifications

- There are 4 types of notifications visible in the "Notifications" column:
 - o Patient has a low score.
 - o Patient's score has worsened compared to the previous measurement (the delta is determined based on the medical condition).
 - o Patient has a low score, but it has not worsened compared to the previous measurement (the delta is determined based on the medical condition).
 - o Patient has submitted a new questionnaire result.
- Notifications can be processed by clicking on the checkbox. After clicking, the notification will be crossed out and marked as processed. After some time, the processed notification will disappear from the patient overview page.

Sorting

- Patients can be **sorted** in various orders. **By default, sorting is based on the notification type.** Additionally, you can sort by any available column by clicking on the following icon:



- Next, click on the column you wish to sort by. Clicking the same column again will reverse the sorting order (ascending or descending). The sorting direction is indicated by the following icons:
 - o ↓ Descending
 - o ↑ Ascending
- Patients can also be sorted in various sorting orders:
 - o Patient Number.
 - o Patient Name.
 - o Date of Birth.
 - o Disease.
 - o Treatmentplan.
 - o Last Login.
 - o E-Care Activity.
 - o Notifications.
 - o Recommendations.

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Selecting Columns

- Various columns can be added to the table. By clicking on the following icon, you can view all available columns:



- Next, click on the columns you wish to add or remove from the overview. All columns that have been added will display the following icon next to their name:



- Columns available for selection are:
 - o Patient Number.
 - o Patient Name.
 - o Date of Birth.
 - o Disease.
 - o Treatmentplan.
 - o Last Login.
 - o E-Care Activity.
 - o Notifications.
 - o Recommendations.

Create new patient account

In the patient overview there is the possibility to create a new patient account. With this account, patients can log in to the DEARhealth mobile app. To create, click on the link:

[+ New patient](#)

The first screen shows the patient's personal data, after filling in the mandatory required data, click Next.

New Patient

1 Personal Details 2 Contact Details 3 Care Path

First Name * Last Name *

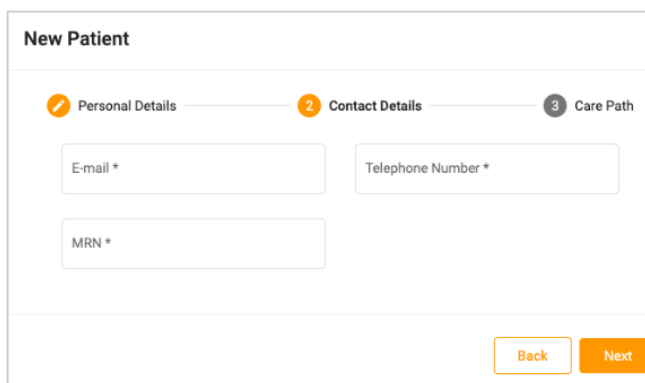
Initials * Gender *

Date of Birth

Date * Month * Year *

Close Next

The second screen shows the contact details of the patient, after filling in these mandatory details, click Next.



New Patient

1 Personal Details 2 Contact Details 3 Care Path

E-mail *

Telephone Number *

MRN *

Note! Please use the country number for the telephone number (e.g +31 for the Netherlands and +1 or US).

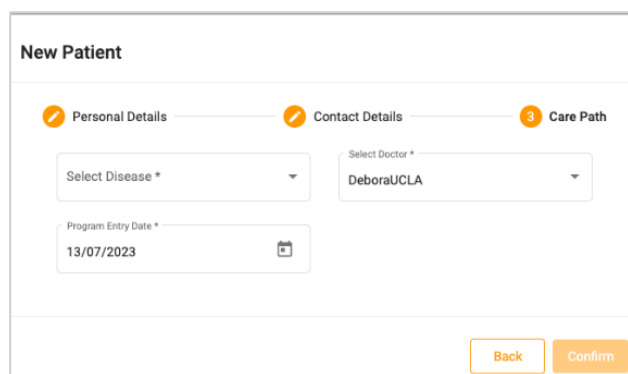
MRN *

Note! If you want to create a patient to test or demo, use the word 'DEMO' in the MRN field when creating a patient.

The last screen shows the patient's care pathway data. The logged-in healthcare provider is automatically selected as the assigned provider. With confirmation, the patient account is created. For the insured care in the Netherlands: After creating the patient in DEARhealth, you can activate the telemonitoring code in your EMR.



Note! The patient has not yet received an invitation e-mail currently, this only happens after activating a care pathway.



New Patient

1 Personal Details 2 Contact Details 3 Care Path

Select Disease *

Select Doctor *

Program Entry Date *

4. Patient specific

After selecting a patient on the overview, the dashboard of that one specific patient opens. The dashboard consists of the following components:

1. **"D"**: by clicking on the symbol of DEARhealth, you will return to the patient overview.
Initials: shows name of logged-in provider and offers the possibility of active logout.
There is also the possibility to change the **language settings**.
2. **Patient data header**: name, patient number, date of birth, gender, and disease.
3. **Delete**: option to delete the patient account.
4. **Profile tab**: Profile tab contains the patient information and the option to edit it.
5. **DEAR-Recommend**: generating recommendations for the most appropriate care path for this patient based on clinical patient characteristics.
6. **Treatment plan**: manual activation of available scenarios and medication add-ons.
7. **Care pathway**: current active care pathway activities.

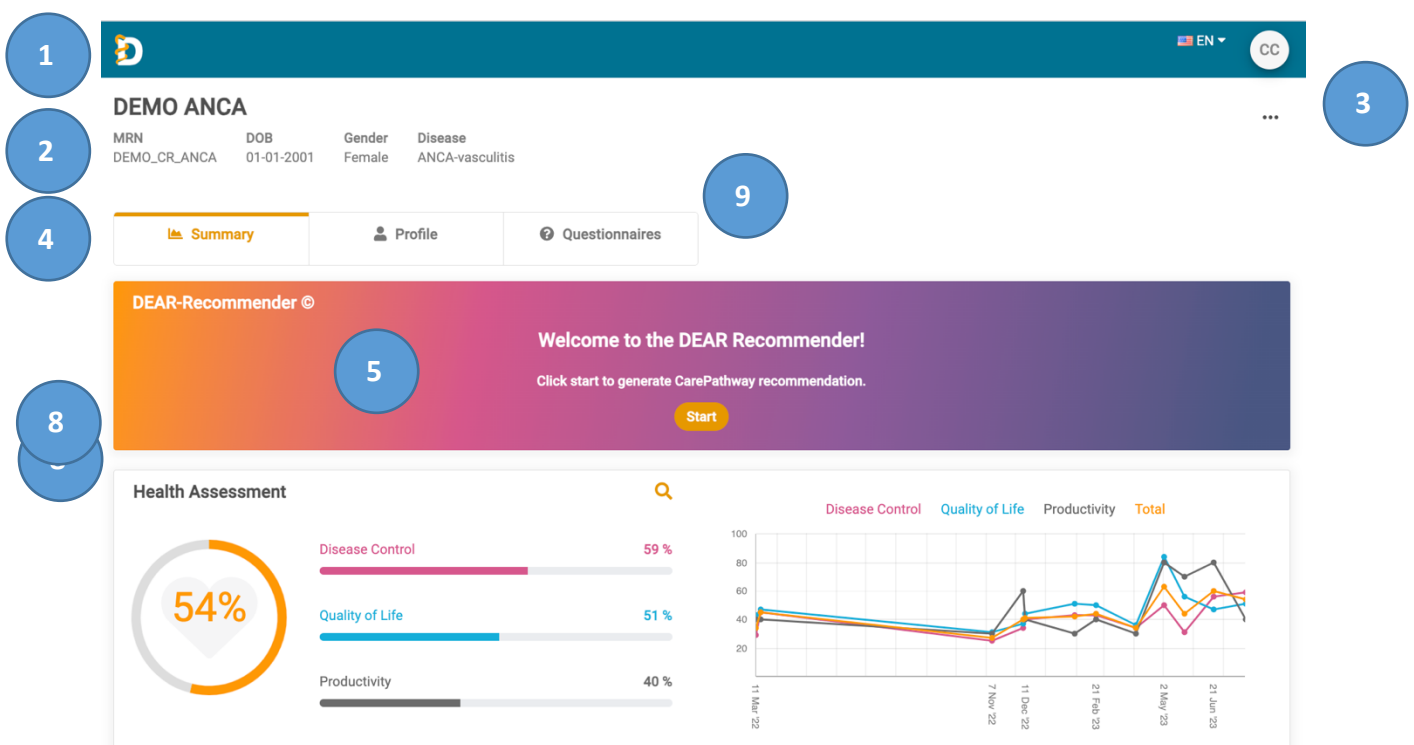
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8. **Health score:** current score about the well-being of the patient in the context of his/her clinical situation. **Graph:** visual representation of scores of completed questionnaires and the health score.
9. **Questionnaires tab:** Questionnaires tab provides an overview of the patient's completed questionnaires.
10. **Score questionnaires other than the Health Score:** visual representation of scores of completed questionnaires other than health score (in this example, the LVAS of Anca Vasculitis).
11. **Send messages:** Ability to send messages to the patient in question.

There are two ways to activate a care pathway:

1. Via **Recommender:** Accept recommended scenario (5)
2. Via **Treatment Plan:** select a scenario yourself (6)

After activation, the patient receives an email and instructions on how to download the DEARhealth app. The patient must accept the terms of use in the DEARhealth app before the app can be used.



10



6

Treatment Plan

Maintenance Low Care ⓘ

▼ Induction

▲ Maintenance

☐ Maintenance High Care

☒ Maintenance Low Care

☐ Maintenance Medication-free Remission

▼ Bones

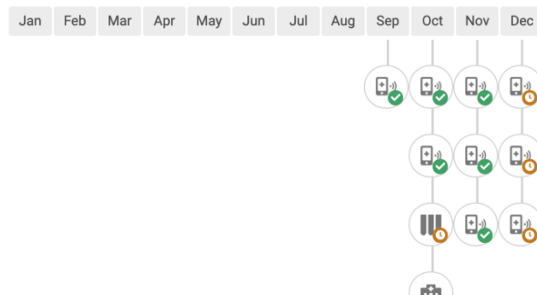
Medication

Medication

Care Pathway

Edit

< 2023 >



7

11

Delete patient account (3)

At the patient dashboard in question there is the possibility to delete the patient account by clicking on the three dots.

After selecting "**Delete**", a confirmation question will be asked, after which the patient will be removed from the system and no longer have the option to log in to the mobile app. (The patient's history will remain available anonymous for clinical research).

Change patient account (4)

Via the profile tab, you can access the patient's personal data. Here it is possible to change data with the "Edit" option, for example, the telephone number or the e-mail address used by the patient. By changing the email address, the patient receives a new invitation email to log into the mobile app. If there is an EMR integration, the field "last name" will always be synced from the EMR.

General Info					Edit
First Name	Last Name	Initials	Gender	Date of Birth	
DEMO	ANCA	A.N.C.A	Female	01-01-2001	

Contact Info			Edit
E-mail	Telephone Number	MRN	
cr+demoanca1004@dearhealth.com	+31645072211	DEMO_CR_ANCA	

Care Info			Edit
Disease	Doctor	Program Entry Date	
ANCA-vasculitis	Caroline Capital	Mar 11, 2022	

Depending on the configuration for your organization and disease of the patient, a second tab is available with specific treatment related questions. Please contact Customer Success if you want to configure this for your organization.

Patient Riskfactors				edit
Systolic Bloodpressure	Diastolic Bloodpressure	Triglycerides mg/dL	Weight (lbs)	
120	80	24	125	
Height (inches)	BMI (imperial system)	Fasting blood glucose level (mg/dl)		
67	19.6	25		
Diabetes Type II				
Yes				

History and Lab tests		edit
Alcohol intake (units / week)	Liver Cirrhoses	
2	No	
HBV antibodies (HBsAg, HBsAb, HBcAb)	HCV RNA	
Positive	Positive	

Non Invasive testing Fibrosis FIB-4			edit
Age (in years)	Aspartate aminotransferase (AST) U/L		
31	35		
Alanine aminotransferase (ALT) U/L	Platelet count	FIB-4 score	
18	280	0.91	

Optional tests (LSM & ELF)		edit
Liver stiffness measurement (LSM)	Enhanced liver fibrosis test (ELF)	
23	35	

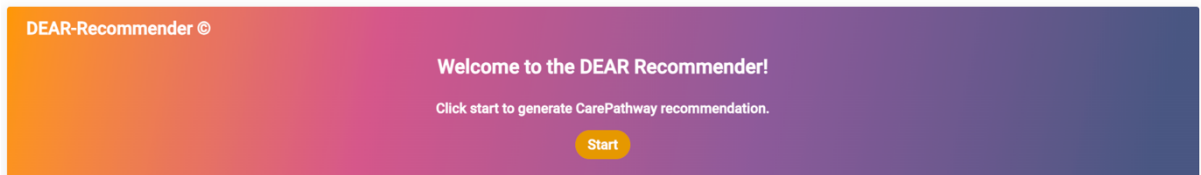
Recommender (5)

DEARhealth offers a so-called **Recommender** to generate recommendations to provide the most appropriate treatment for the patient. The recommender will generate recommendations on events that happen in the system, for example a Health Assessment Questionnaire that is answered by a patient or a recommender questionnaire that you fill out as a practitioner.

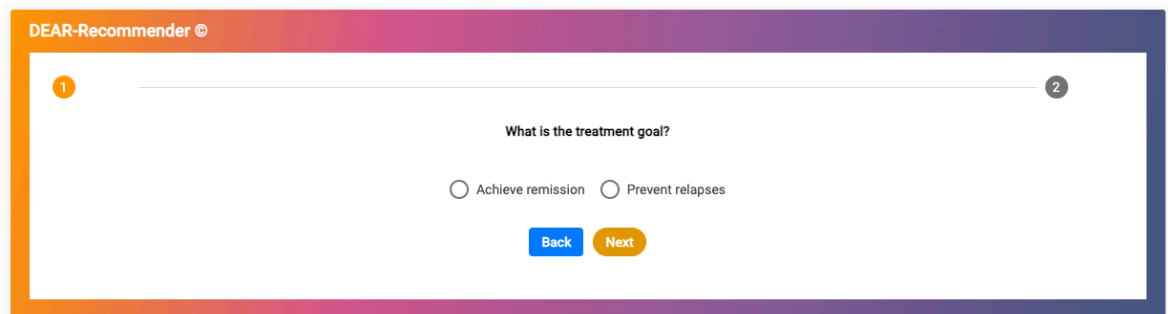
You can find the DEAR-Recommender at the top of the DEARhealth dashboard.

Recommender Questionnaire

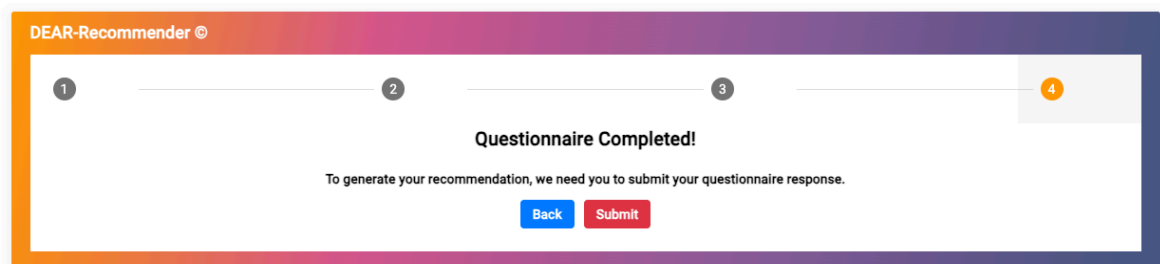
To manually start the recommender to get an initial scenario recommendation (not available for every disease or provider), click "Start".



Several patient specific questions need to be completed, such as patient characteristics, that are considered when generating a recommendation. Complete these questions; you can change questions by using "Back" and "Next" if necessary:



After completing the last question, you can save and submit all your answers by clicking "Submit," subsequently a recommendation will be generated:



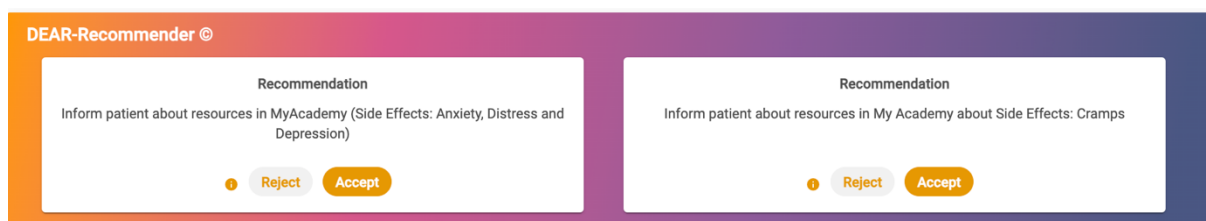
Recommender based on events happening in DEARhealth

There are several events that can trigger recommendations:

- Recommendations based on answers in the questionnaires that the patient fills out in the mobile app
- Recommendations because of a scenario or addon activation
- Recommendations based on the profile (including the treatment related information) of a patient)

These recommendations are not configured by default for your organization and disease, but are part of the Medical Data Model developed together with you. If you would like to use these recommendations, please contact the Customer Success team.

Recommendations will be displayed on top of the dashboard.

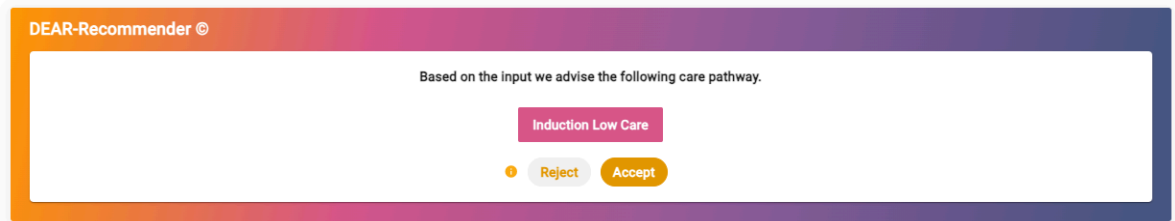


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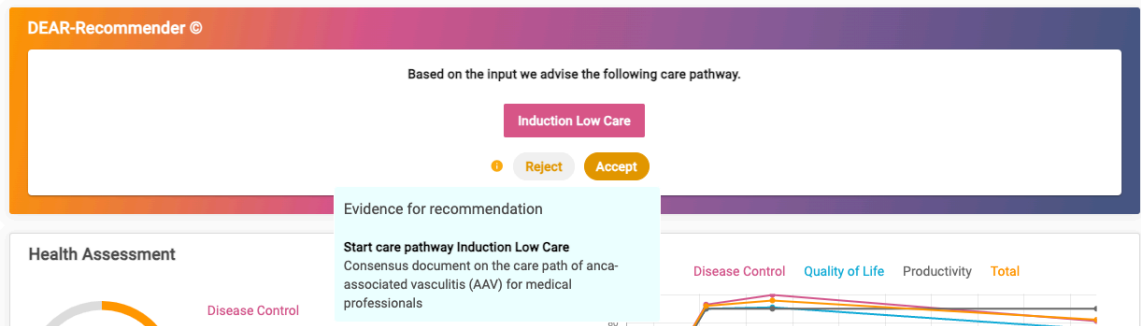
Recommendation types

The recommender generates two types of recommendations:

1. Free text recommendations, no action connected, see above.
2. Recommendation of one of the standard scenarios of the treatment plan. This scenario will be activated after acceptance of the recommendation.



If you hover your mouse over the "i", you can find the rationale behind all the recommendations.



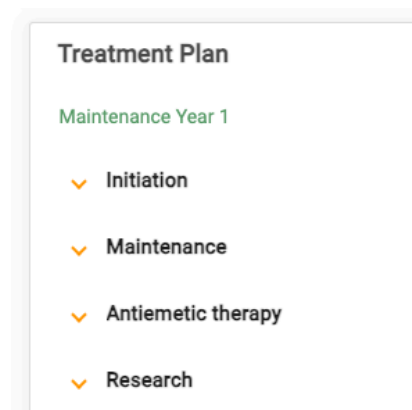
You have the choice to "Accept" or "Reject" this recommendation. You as a practitioner must always actively accept or reject. The recommendation will stay active, until you accept or reject the recommendation.

In the case of a scenario recommendation, after "accept", the recommended scenario is activated, and the patient's care pathway is filled with the associated activities. You will see a preview of the proposed scenario before you activate the care pathway permanently, see also 6. In case of "reject" you will be asked to manually select and activate a scenario Care yourself via **Treatment Plan** (see 6).

Treatment plan: manually activate a scenario (6)

If the **Recommender** is not able to generate a recommendation regarding the most suitable care pathway, or you have rejected a recommendation, it is also possible to select and activate one or more scenarios via **Treatment Plan** itself. One of the risk scenarios (maintenance or initiation) can be activated at the same time. Of the other scenarios, it depends on the desired configuration whether several or only one can be activated here at the same time.

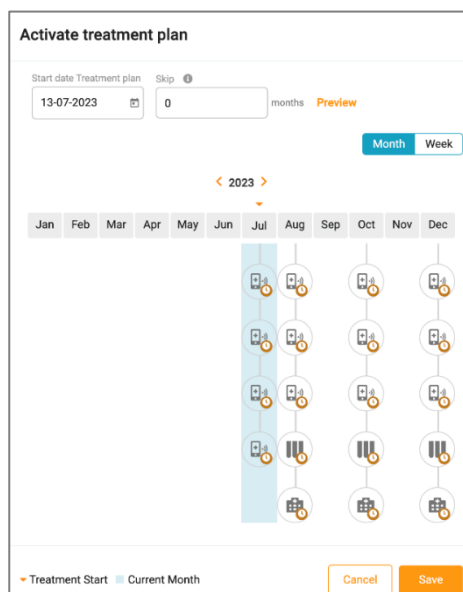
1. The various treatment plan groups are closed by default. Open the group to trigger a desired scenario.



2. Click on the gray slider next to the desired scenario: the slider turns orange.



3. You will see a screen with more information, such as a preview of the care pathway activities of this scenario:



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- Choose a date when the scenario should start under "Start date" by clicking on "Choose a date". You will see a calendar, select the desired day:

Activate treatment plan

Start date Treatment plan Skip ⓘ

13-07-2023 0 months Preview

JUL 2023 < >

Mo Tu We Th Fr Sa Su

JUL 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Aug Sep Oct Nov Dec

Month Week

▼ Treatment Start Current Month

Cancel Save

You can also choose to start the scenario at any point in time by "skipping" several weeks or months of the scenario

Activate treatment plan

Start date Treatment plan Skip ⓘ

13-07-2023 0 months Preview

Month Week

The function to skip, makes sure the activities from the entered weeks or months are not visible in the care pathway.

- Then click "Save" to activate the scenario from the selected start date. The care pathway is shown (see Chapter 6). The risk scenario that is active, is shown in green. The 'i' shows the other scenarios that are active (without having to open the groups)

Treatment Plan

Induction Low Care ⓘ

Osteopenia

6 You can also click the active (orange) slider in **Treatment Plan** to deactivate an active scenario. This clears the care path (see chapter 7), and you can reactivate a scenario.

7 You can add “**Medication add-ons**” to the treatment plan.

By clicking the **Medication** button behind the selected treatment plan, you will find a list of available medication add-ons.

Induction

☐ Induction High Care

☐ Induction Medium Care

☒ Induction Low Care

Medication

Medication

Medication

1. Choose a date when the medication add-on should start.

Activating a medication add-on works similar to activating a treatment plan. To deactivate a medication add-on, click Remove.

Available add-ons	Enabled add-ons
<p>Medication</p> <p>Azathioprine (AZA) <input checked="" type="checkbox"/></p> <p>Co-trimoxazole (High dose) <input type="checkbox"/></p> <p>Co-trimoxazole (PCP prophylaxis) <input type="checkbox"/></p> <p>Cyclosporin i.v. (CYC) <input type="checkbox"/></p>	<p>Medication</p> <p>Azathioprine (AZA)</p> <p>Start date Treatment plan 13/07/2023</p> <p>Skip x months/weeks 0 Week</p> <p>Remove</p>



Please note: Questionnaires can be completed by the patient directly via the DEARhealth app at the planned time in their care path, without additional actions. However, it is currently not possible for DEARhealth to automatically convert activities resulting from activating the care path in the DEARhealth platform to orders within the EMR. This means that you have to create orders (such as appointments and lab) in the EMR.

Care pathway: view and edit care pathway (7)

The current care pathway activities that are valid for this patient show up under **Care pathway**. These are the recommended activities associated with the triggered scenario.

If no care pathway has been activated, you will see the following message (see below):

Care Pathway

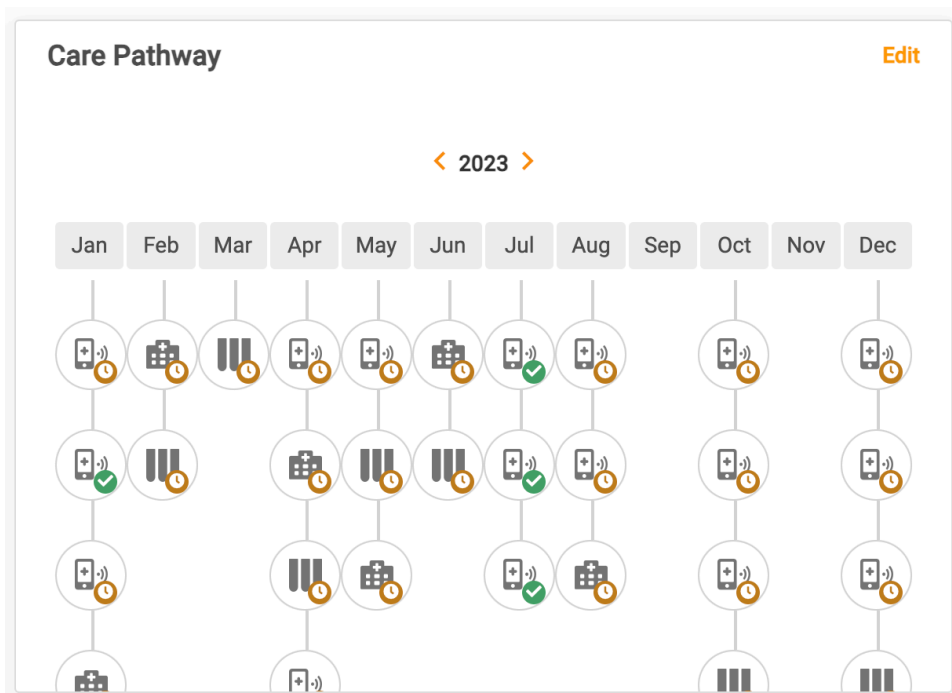
No Care Pathway available for this patient

Each patient needs to have a care pathway activated. You can activate a care pathway by using the Recommender for a recommended scenario, or using the Treatment Plan for manual activation of a chosen scenario.

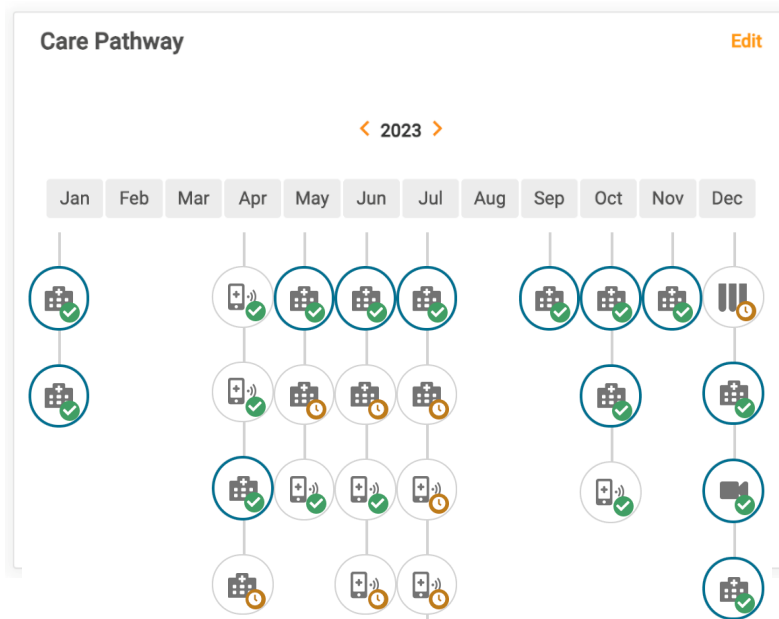
In case the care pathway shows up empty, use the **Recommender** or **Treatment Plan** to activate one or more scenarios.

After activating, the care pathway will show up filled with activities.

Example without EMR integration:



Example including EMR-integration. Here also the planned appointments booked in the EMR are visible:



Care path activity: Clinic visit



Care pathway activity: App activity for the patient (e.g., filling in a questionnaire)



Care pathway activity: Completed



In case of EMR integration: Hospital visit planned.



In case of EMR integration: Hospital visit completed.

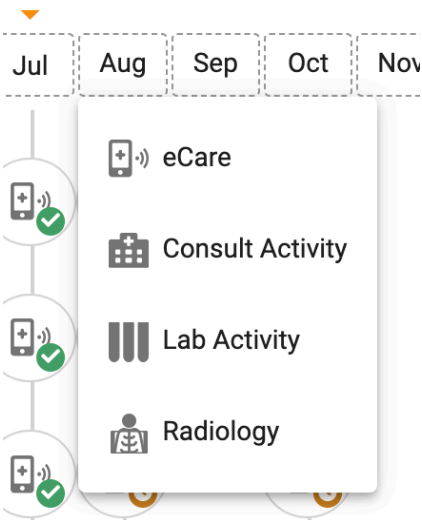


Please Note: If a **data integration** between your EMR and DEARhealth has been **realized**, the actual scheduled appointments are shown here. If **no data integration** has been realized, it is not possible to show the actual scheduled appointments. The care path activities therefore do not correspond to the actual scheduled appointments within the EMR. You cannot rely on the dates shown for certain activities as presented by DEARhealth: these may differ from the scheduled appointment. The appointment information within the EMR therefore remains leading.

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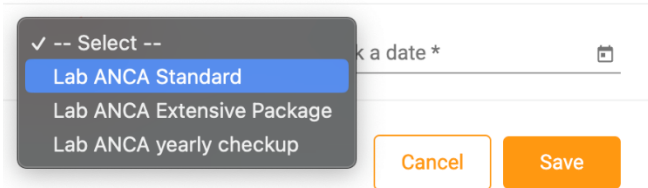
Add activities.

By clicking on the "edit" button, you can adjust activities in the care pathway.
By clicking on the box of a specific month, you will see the available activities.



By clicking on the chosen activity (for example Lab activity), you will be presented with a drop-down menu: you can subsequently select a specific activity.

Add Activity



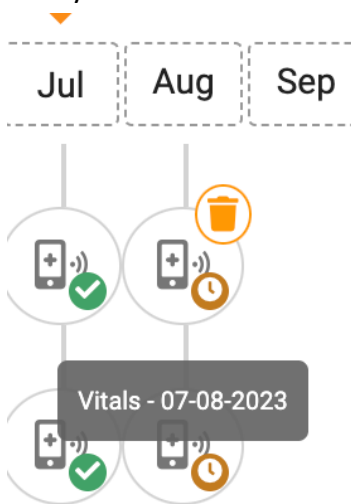
Next step: select the date on which this activity should be scheduled:

The screenshot shows the 'Add Activity' form. The 'Type Of Activity' dropdown is set to 'Lab ANCA Standard'. A red asterisk and the text 'Pick a date *' are next to the dropdown. A date picker calendar is open, showing June 2023. The calendar has a grid with days of the week (S, M, T, W, T, F, S) and dates (1-30). The date '1' is highlighted in orange.

The extra activity has been added to the patient's care pathway.

Delete activities

Via "Edit" you can also delete activities. Hovering your mouse over an activity reveals a trash can symbol.



If you click on the trash can symbol, you will receive the following message.

Remove Activity

Are you sure you want to remove "My Health Assessment (ANCA)" You can't undo this action.

The screenshot shows two buttons: 'Cancel' and 'Remove'. The 'Remove' button is orange and the 'Cancel' button is grey.

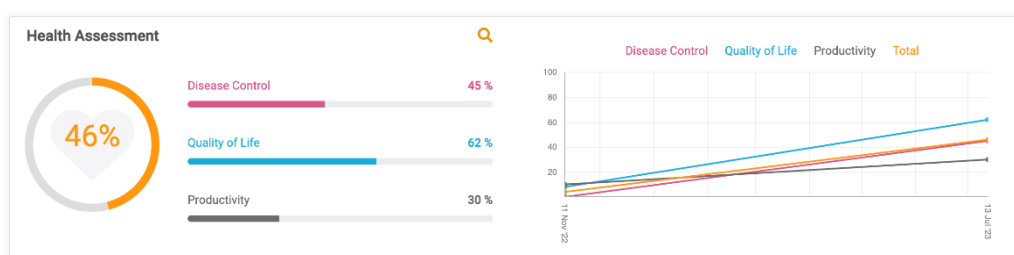
Click on "delete" and the activity will be removed from the care pathway.

Health score (8)

The most relevant for monitoring the patient's health status is the **Health Score**. This is an overall health score specifically focused on the patient's disease and consisting of disease specific patient-reported outcomes to discriminate among disease states and understand the well-being of the patient.

This score is calculated based on input from the questionnaires that the patient completed (either planned according to their care pathway or are added as an additional activity).

The patient's current health score shows up on the patient's dashboard with a visual representation of both the total score and scores for each specific item:



Questionnaires (9)


By clicking on the tab "**questionnaires**", you will see an overview of the completed questionnaires. There are two types of questionnaires: 1) the questionnaires that generate the health score and 2) Other questionnaires.

Health score

Health Assessment			Other
Questionnaire	Date	Result	
My Health ANCA-vasculitis	13-07-2023	86%	
My Health ANCA-vasculitis	29-11-2022	▲ 2%	
My Health ANCA-vasculitis	03-11-2022	82%	
My Health ANCA-vasculitis	15-09-2022	96%	
My Health ANCA-vasculitis	05-09-2022	92%	
My Health ANCA-vasculitis	25-08-2022	▲ 4%	
My Health ANCA-vasculitis	24-08-2022	▲ 9%	

You will be able to review the answers and score by clicking on a questionnaire. In addition, you can review and compare questionnaires over time: by turning on the 'compare' slider. In the date field, choose which questionnaires you want to compare.




My Health Assessment ANCA

 Compare	Current 13-07-2023 9:35	Previous 29-11-2022 9:59
TOTAL	86%	2%
DISEASE CONTROL	91%	0%
Problems with your lungs or chest (such as wheezing, chest tightness, coughing or shortness of breath)	Very mild	Severe
Problems with your ears (such as pain, difficulty hearing, or a feeling of pressure or congestion)	Not	Severe
Problems with your eyes (such as pain, blurred or poor vision, or light sensitivity)	Not	Severe
Problems with your nose or sinuses (such as pain, a feeling of pressure, nosebleeds, stuffy nose, runny nose or crusting)	Very mild	Severe
Problems with your mouth or throat (such as dryness, mouth sores, hoarseness, sore throat, or difficulty eating/swallowing)	Not	Severe
Problems with your joints (such as pain or swelling)	Not	Severe
Muscle pain, muscle cramps or muscle weakness	Not	Severe
Problems with your skin (such as swelling, spots, rashes, bruises or bumps)	Very mild	Severe
Fatigue	Very mild	Severe
An unpleasantly hot, cold or feverish feeling	Not	Severe
Disturbed digestion, heartburn or nausea (vomiting)	Not	Severe
QUALITY OF LIFE	78%	11%
Shown for at least an hour	No effort	Enormous effort

Close

Other questionnaires

For example: questionnaires in preparation for a clinic visit, vitals, etc.

 Summary	 Profile	 Questionnaires
---	---	--

Health Assessment		Other
Questionnaire	Date	Result
Vitals	07/13/2023	

Score of other questionnaires (different from Health Score) (10)

Other questionnaires can also generate a score and a graph on the patient dashboard; depending on what kind of questionnaire it is and how the scoring works. Via the details button, the Questionnaires tab opens on the "Other" tab. The score is calculated based on the questionnaires that the patient completed (either planned according to their care pathway or added as an additional activity).

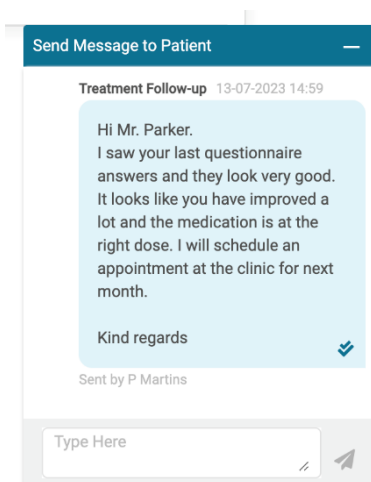


Send messages (11)

On the patient dashboard there is the option to send messages. To do this, click on the icon at the bottom right: Then a message screen will appear.



Here you can send messages to the patient and view the history of messages. You can see who sent the message and if a colleague already has sent a message. The patient has the option to view these messages in the mobile app.



Note! The patient cannot send messages back. The checkmarks are not a read receipt, but only a confirmation that the message has reached the patient properly.

5. Medical Device Regulation DEARhealth



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v2.2



Instructions for use are supplied in electronic form instead of paper form.
URL: <https://www.dearhealth.com>
Email: support@dearhealth.com
Paper instructions for use can be requested at no additional costs by contacting us
Using the indicated email address and will be delivered within 7 days.

Intended purpose

The DEARhealth software platform intends to support in the treatment of patients who have been diagnosed with a chronic disease(s), providing care pathway recommendations to support the healthcare provider in their decision-making. Recommendations are based on continuous monitoring of (changes in) the patient's disease, based on Patient Reported Outcomes and clinical data from EMR integrations. The clinical benefit of the device is to improve the patient pre-defined clinical outcome.

Intended users

The use of DEARhealth is only for patients who have been diagnosed with a chronic disease(s) supported by the DEARhealth platform and for which the healthcare provider has approved the use of the software for the specific patient.

Users are:

1. Patients of affiliated hospitals (intended patient population)
2. Healthcare providers of affiliated healthcare systems

Intended patient population

DEARhealth supports in the identification of effects on clinical outcome (e.g., use of medical device improves the rates of improvement on clinical outcome parameters, such as pain). The DEARhealth platform can be configured for any chronic disease.

The following diseases are currently available in DEARhealth:

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- Inflammatory bowel disease (Crohn's disease, ulcerative colitis)
- Kidney diseases (ANCA Vasculitis)
- Rheumatoid arthritis
- Chronic heart failure
- Systemic lupus erythematosus

Exclusive for the USA additionally the following diseases are available:

- Ovarian Cancer
- Non-alcoholic steatohepatitis. (NASH)
- Epilepsy

Contra indications

There are certain circumstances in which DEARhealth is contraindicated:

- There is no Internet connection available.
- The user has no computerized device
- The user has impaired visual function.
- The user has no basic knowledge of the use of computers or mobile phones.

Medical Claims

1. DEARhealth improves predefined patient health outcomes:
 - a. Disease control
 - b. Quality of life
2. DEARhealth improves the patient experience of healthcare through customised treatment, education and support.

Clinical Benefits

3. DEARhealth improves predefined patient health outcomes:
 - a. Disease control
 - b. Quality of life
4. DEARhealth improves the patient experience of healthcare through customised treatment, education and support.

Implementation and training

To access the DEARhealth software in the production environment, the healthcare provider opens the DEARhealth healthcare portal via a web page or from the EMR.

The integration with the EMR in use in the relevant hospital will be realized in the implementation phase. There are currently no known limitations with existing EMRs to access DEARhealth from the EMR. The limitation for implementing the SSO EMR integration is the embedded web browser of the EMR in use. DEARhealth supports versions of Internet Explorer and Google Chrome that are still in support by their vendor, aka IE11 is not supported because is end of life as from June 2022.

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Instructions for use (manuals) and training are offered to the healthcare professionals. During the first phase of implementation, a local DEARhealth team is available remotely or on site to support and train users. Our Customer Success Team is trained to support physicians, nurses, study coordinators and administrative staff during patient onboarding. After the initiation phase, users can obtain support and provide feedback via the support desk.

Stop using the DEARhealth platform

DEARhealth has concluded a processing agreement with the hospital.

As soon as the collaboration between DEARhealth and the hospital is terminated, DEARhealth will deliver the data present on the platform, if the hospital requests it, to the hospital and then destroy it. Data without patient identification will be stored for analysis purposes (e.g., Post Market Surveillance)

Questions about the use of the DEARhealth platform

If you want to report problems, you can do so via the DEARhealth support desk. If the patient wants to report user problems with the app, they can also report this via the DEARhealth support desk, but it is also possible that they report it to their own healthcare provider. For some problems, it is occasionally necessary to visit a specific patient in the production environment by the support team of DEARhealth. This is possible in the database and will always be done based on an internal patient ID (de-identified) and therefore not based on the actual name and address details of the patient. The internal patient ID can be seen by a healthcare provider in the URL of the healthcare provider portal and this ID can then be passed on to DEARhealth.

IT Requirements

- Web browser: Internet Explorer, Google Chrome (versions that are supported by the vendor of the browser)



If a serious incident occurs that compromises patient safety due to the use of the DEARhealth platform, you must report this as soon as possible to DEARhealth as a manufacturer and to the relevant competent authority.