## CONSORT-EHEALTH (V 1.6.1) - Submission/Publication Form

The CONSORT-EHEALTH checklist is intended for authors of randomized trials evaluating web-based and Internet-based applications/interventions, including mobile interventions, electronic games (incl multiplayer games), social media, certain telehealth applications, and other interactive and/or networked electronic applications. Some of the items (e.g. all subitems under item 5 - description of the intervention) may also be applicable for other study designs.

The goal of the CONSORT EHEALTH checklist and guideline is to be

- a) a guide for reporting for authors of RCTs,
- b) to form a basis for appraisal of an ehealth trial (in terms of validity)

CONSORT-EHEALTH items/subitems are MANDATORY reporting items for studies published in the Journal of Medical Internet Research and other journals / scientific societies endorsing the checklist.

Items numbered 1., 2., 3., 4a., 4b etc are original CONSORT or CONSORT-NPT (non-pharmacologic treatment) items.

Items with Roman numerals (i., ii, iii, iv etc.) are CONSORT-EHEALTH extensions/clarifications.

As the CONSORT-EHEALTH checklist is still considered in a formative stage, we would ask that you also RATE ON A SCALE OF 1-5 how important/useful you feel each item is FOR THE PURPOSE OF THE CHECKLIST and reporting guideline (optional).

Mandatory reporting items are marked with a red \*.

In the textboxes, either copy & paste the relevant sections from your manuscript into this form - please include any quotes from your manuscript in QUOTATION MARKS, or answer directly by providing additional information not in the manuscript, or elaborating on why the item was not relevant for this study.

YOUR ANSWERS WILL BE PUBLISHED AS A SUPPLEMENTARY FILE TO YOUR PUBLICATION IN JMIR AND ARE CONSIDERED PART OF YOUR PUBLICATION (IF ACCEPTED). Please fill in these questions diligently. Information will not be copyedited, so please use proper spelling and grammar, use correct capitalization, and avoid abbreviations.

DO NOT FORGET TO SAVE AS PDF \_AND\_ CLICK THE SUBMIT BUTTON SO YOUR ANSWERS ARE IN OUR DATABASE !!!

Citation Suggestion (if you append the pdf as Appendix we suggest to cite this paper in the caption):

Eysenbach G, CONSORT-EHEALTH Group

CONSORT-EHEALTH: Improving and Standardizing Evaluation Reports of Web-based and Mobile Health Interventions

J Med Internet Res 2011;13(4):e126

URL: <a href="http://www.jmir.org/2011/4/e126/">http://www.jmir.org/2011/4/e126/</a>

doi: 10.2196/jmir.1923 PMID: 22209829

In Google anmelden, um den Fortschritt zu speichern. Weitere Informationen

\* Erforderlich

Your name \*

First Last

Astrid Schmieder

Primary Affiliation (short), City, Country \*

University of Toronto, Toronto, Canada

Department of Dermatology, Venereology and .

Your e-mail address \*

abc@gmail.com

schmieder\_a@ukw.de

Title of your manuscript \*

Provide the (draft) title of your manuscript.

Impact of an eHealth Smartphone App on Life Quality and Clinical Outcome of Patients with Hand and Foot Eczema: Prospective Randomized Controlled Intervention Study

Name of your App/Software/Intervention \*

If there is a short and a long/alternate name, write the short name first and add the long name in brackets.

Dermascope mobile

Evaluated Version (if any)
e.g. "V1", "Release 2017-03-01", "Version 2.0.27913"
2.0.3 2020-10-01
Language(s) * What language is the intervention/app in? If multiple languages are available, separate by comma (e.g. "English, French")  German
URL of your Intervention Website or App
e.g. a direct link to the mobile app on app in appstore (itunes, Google Play), or URL of the website. If the intervention is a DVD or hardware, you can also link to an Amazon page.
https://www.dermaintelligence.de/
URL of an image/screenshot (optional)
https://play.google.com/store/apps/details?id=com.dermascope
Accessibility *
Can an enduser access the intervention presently?
access is free and open
access only for special usergroups, not open
access is open to everyone, but requires payment/subscription/in-app purchases
app/intervention no longer accessible
Sonstiges:

Primary Medical Indication/Disease/Condition *
e.g. "Stress", "Diabetes", or define the target group in brackets after the condition, e.g. "Autism (Parents of children with)", "Alzheimers (Informal Caregivers of)"
Psoriasis and hand-foot eczema
Primary Outcomes measured in trial * comma-separated list of primary outcomes reported in the trial
Depression, anxiety, life quality, clinical outcom
Secondary/other outcomes  Are there any other outcomes the intervention is expected to affect?  pain, itch, activity, mood
Recommended "Dose" * What do the instructions for users say on how often the app should be used?  Approximately Daily Approximately Weekly Approximately Monthly Approximately Yearly "as needed" Sonstiges:

Approx. Percentage of Users (starters) still using the app as recommended after 3 months *
unknown / not evaluated
0-10%
O 11-20%
21-30%
31-40%
41-50%
51-60%
61-70%
71%-80%
81-90%
91-100%
O Sonstiges:
Overall, was the app/intervention effective? *
yes: all primary outcomes were significantly better in intervention group vs control
partly: SOME primary outcomes were significantly better in intervention group vs control
on statistically significant difference between control and intervention
outcomes potentially harmful: control was significantly better than intervention in one or more
inconclusive: more research is needed
O Sonstiges:

Article Preparation Status/Stage *  At which stage in your article preparation are you currently (at the time you fill in this form)
onot submitted yet - in early draft status
onot submitted yet - in late draft status, just before submission
submitted to a journal but not reviewed yet
submitted to a journal and after receiving initial reviewer comments
submitted to a journal and accepted, but not published yet
O published
O Sonstiges:
Journal *
Journal *  If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")
If you already know where you will submit this paper (or if it is already submitted), please provide the
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  not submitted yet / unclear where I will submit this
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  Onot submitted yet / unclear where I will submit this  Journal of Medical Internet Research (JMIR)
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  Onot submitted yet / unclear where I will submit this  Journal of Medical Internet Research (JMIR)  JMIR mHealth and UHealth
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  Onot submitted yet / unclear where I will submit this  Journal of Medical Internet Research (JMIR)  JMIR mHealth and UHealth  JMIR Serious Games
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  Onot submitted yet / unclear where I will submit this  Journal of Medical Internet Research (JMIR)  JMIR mHealth and UHealth  JMIR Serious Games  JMIR Mental Health
If you already know where you will submit this paper (or if it is already submitted), please provide the journal name (if it is not JMIR, provide the journal name under "other")  onot submitted yet / unclear where I will submit this  Journal of Medical Internet Research (JMIR)  JMIR mHealth and UHealth  JMIR Serious Games  JMIR Mental Health  JMIR Public Health

Is this a full powered effectiveness trial or a pilot/feasibility trial? *
Pilot/feasibility
Fully powered
Manuscript tracking number *
If this is a JMIR submission, please provide the manuscript tracking number under "other" (The ms tracking number can be found in the submission acknowledgement email, or when you login as author in JMIR. If the paper is already published in JMIR, then the ms tracking number is the four-digit number at the end of the DOI, to be found at the bottom of each published article in JMIR)
ono ms number (yet) / not (yet) submitted to / published in JMIR
O Sonstiges:
TITLE AND ABSTRACT
1a) TITLE: Identification as a randomized trial in the title
1a) Doos your paper address CONSOPT item 1a2 *
1a) Does your paper address CONSORT item 1a? * I.e does the title contain the phrase "Randomized Controlled Trial"? (if not, explain the reason under "other")
yes
O Sonstiges:

# 1a-i) Identify the mode of delivery in the title Identify the mode of delivery. Preferably use "web-based" and/or "mobile" and/or "electronic game" in the title. Avoid ambiguous terms like "online", "virtual", "interactive". Use "Internet-based" only if Intervention includes non-web-based Internet components (e.g. email), use "computer-based" or "electronic" only if offline products are used. Use "virtual" only in the context of "virtual reality" (3-D worlds). Use "online" only in the context of "online support groups". Complement or substitute product names with broader terms for the class of products (such as "mobile" or "smart phone" instead of "iphone"), especially if the application runs on different platforms. 1 2 3 4 5 subitem not at all important O O O essential

#### Does your paper address subitem 1a-i? \*

Copy and paste relevant sections from manuscript title (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Auswahl löschen

Impact of an eHealth Smartphone App on Life Quality and Clinical Outcome of Patients with Hand and Foot Eczema: Prospective Randomized Controlled Intervention Study

onents (	or impoi	rtant co	-interve	ntions ir	n title
or import	tant co-into	erventions	in title, if	any (e.g., "	with telephone
1	2	3	4	5	
0	0	0	•	0	essential
				Au	swahl löschen
	or import	or important co-interest of the	or important co-interventions  1 2 3	or important co-interventions in title, if	0 0 0 0

#### Does your paper address subitem 1a-ii?

Copy and paste relevant sections from manuscript title (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients in the intervention group received an educational program; attended visits on weeks 0, 12, 24, and had access to the study app. (abstract)

1a-iii) Primary condition or ta	rget gro	oup in th	ne title			
Mention primary condition or target g Example: A Web-based and Mobile Int Randomized Controlled Trial						
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen
Does your paper address sub	oitem 1a	a-iii? *				
Copy and paste relevant sections from indicate direct quotes from your maniformation not in the ms, or briefly ex	uscript), o	r elaborat	e on this it	tem by pro	viding add	itional
yes: Impact of an eHealth Smartp with Hand and Foot Eczema:	ohone Ap	op on Life	e Quality	and Clinio	cal Outco	ome of Patients
1b) ABSTRACT: Structured s	ummar	y of tria	ıl desigr	n, metho	ods, res	ults, and
NPT extension: Description of experir status.	mental tre	eatment, c	omparato	r, care pro	viders, cer	nters, and blinding
1b-i) Key features/functionali comparator in the METHODS		•			ntion ar	nd
Mention key features/functionalities/possible, also mention theories and p systematic reviewers and indexers by what the main paper is reporting. If the adding it)	compone rinciples including	nts of the used for d importan	interventic esigning tl t synonym	on and con he site. Ke is. (Note: 0	ep in mind Only report	the needs of in the abstract
	1	2	3	4	5	
subitem not at all important	0	0	0		0	essential
					Au	swahl löschen

#### Does your paper address subitem 1b-i? \*

Copy and paste relevant sections from the manuscript abstract (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients in the intervention group received an educational program; attended visits on weeks 0, 12, 24, and had access to the study app. Patients in the control group attended the visits only. The primary endpoint was a significant reduction in Dermatology-Life-Quality-Index-score (DLQI), pruritus and pain at week 12 and 24. Secondary endpoint was a significant reduction of the modified Hand Eczema Severity Index (HECSI) at week 12 and 24.

#### 1b-ii) Level of human involvement in the METHODS section of the ABSTRACT

Clarify the level of human involvement in the abstract, e.g., use phrases like "fully automated" vs. "therapist/nurse/care provider/physician-assisted" (mention number and expertise of providers involved, if any). (Note: Only report in the abstract what the main paper is reporting. If this information is missing from the main body of text, consider adding it)

subitem not at all important OOOO essential

Auswahl löschen

#### Does your paper address subitem 1b-ii?

Copy and paste relevant sections from the manuscript abstract (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients in the intervention group received an educational program;

## 1b-iii) Open vs. closed, web-based (self-assessment) vs. face-to-face assessments in the METHODS section of the ABSTRACT

Mention how participants were recruited (online vs. offline), e.g., from an open access website or from a clinic or a closed online user group (closed usergroup trial), and clarify if this was a purely web-based trial, or there were face-to-face components (as part of the intervention or for assessment). Clearly say if outcomes were self-assessed through questionnaires (as common in web-based trials). Note: In traditional offline trials, an open trial (open-label trial) is a type of clinical trial in which both the researchers and participants know which treatment is being administered. To avoid confusion, use "blinded" or "unblinded" to indicated the level of blinding instead of "open", as "open" in web-based trials usually refers to "open access" (i.e. participants can self-enrol). (Note: Only report in the abstract what the main paper is reporting. If this information is missing from the main body of text, consider adding it)

1 2 3 4 5
subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 1b-iii?

Copy and paste relevant sections from the manuscript abstract (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients in the intervention group received an educational program; attended visits on weeks 0, 12, 24, and had access to the study app. Patients in the control group attended the visits only. The primary endpoint was a significant reduction in Dermatology-Life-Quality-Index-score (DLQI), pruritus and pain at week 12 and 24. Secondary endpoint was a significant reduction of the modified Hand Eczema Severity Index (HECSI) at week 12 and 24.

#### 1b-iv) RESULTS section in abstract must contain use data

Report number of participants enrolled/assessed in each group, the use/uptake of the intervention (e.g., attrition/adherence metrics, use over time, number of logins etc.), in addition to primary/secondary outcomes. (Note: Only report in the abstract what the main paper is reporting. If this information is missing from the main body of text, consider adding it)

	1	2	3	4	5	
subitem not at all important	0	0	0	•	0	essential

Auswahl löschen

#### Does your paper address subitem 1b-iv?

Copy and paste relevant sections from the manuscript abstract (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

87 patients were included in the study and randomized into the intervention (43/87) or control group (44/87). There were no significant differences between the intervention and control group concerning life quality, pain, itch, activity and clinical outcome at week 12 and 24. Subgroup analysis revealed that the intervention group with an app usage frequency of less than once every five weeks had a significant decline in the DLQI at week 12 (P=0.001) and week 24 (P=0.049), in the pain-numeric rating scale (NRS) at week 12 (P=0.015) and week 24 (P=0.015), as well as in the HECSI at week 12 (P=0.019).

#### 1b-v) CONCLUSIONS/DISCUSSION in abstract for negative trials

Conclusions/Discussions in abstract for negative trials: Discuss the primary outcome - if the trial is negative (primary outcome not changed), and the intervention was not used, discuss whether negative results are attributable to lack of uptake and discuss reasons. (Note: Only report in the abstract what the main paper is reporting. If this information is missing from the main body of text, consider adding it)

Auswahl löschen

#### Does your paper address subitem 1b-v?

Copy and paste relevant sections from the manuscript abstract (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

An educational program combined with a monitoring app that connects patients with their treating doctor can improve life quality and the clinical outcome of patients with hand and/or foot eczema if the app is not used too frequently.

#### INTRODUCTION

2a) In INTRODUCTION: Scientific background and explanation of rationale

2a-i) Problem and the type o	f syster	n/solutio	on			
Describe the problem and the type of intervention vs. incorporated in broad population? Goals of the intervention complement other solutions? (Note: I	ler health , e.g., bein	care progr ig more co	am? Inten st-effectiv	ded for a pre to other	oarticular p interventio	oatient ons, replace or
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen

#### Does your paper address subitem 2a-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

E-health-based supporting systems for patients are now becoming popular and are incorporated more frequently into patient care. In Germany, the DiGA directory has been established in the last years. DiGA is short for "digital health application" and refers to CE-marked medical devices that aim to detect, monitor, treat or alleviate diseases or to detect, treat, alleviate or compensate for injuries or disabilities12. A doctor in Germany can prescribe E-health devices listed in the DiGA directory. There are currently no DiGA listed e-health devices for patients suffering from hand and foot eczema in Germany and scientific data for the benefit of eHealth devices for these patients are missing.

The aim of this randomized prospective intervention study is to analyze if a monitoring smartphone application combined with a patient education improves the quality of life and the clinical outcome of hand- and foot eczema patients.

#### 2a-ii) Scientific background, rationale: What is known about the (type of) system

Scientific background, rationale: What is known about the (type of) system that is the object of the study (be sure to discuss the use of similar systems for other conditions/diagnoses, if appropriate), motivation for the study, i.e. what are the reasons for and what is the context for this specific study, from which stakeholder viewpoint is the study performed, potential impact of findings [2]. Briefly justify the choice of the comparator.

the comparator.	·					·
	1	2	3	4	5	
subitem not at all important	0	0	0	•	0	essential
					Aus	swahl löschen

#### Does your paper address subitem 2a-ii? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

E-health-based supporting systems for patients are now becoming popular and are incorporated more frequently into patient care. In Germany, the DiGA directory has been established in the last years. DiGA is short for "digital health application" and refers to CE-marked medical devices that aim to detect, monitor, treat or alleviate diseases or to detect, treat, alleviate or compensate for injuries or disabilities12. A doctor in Germany can prescribe E-health devices listed in the DiGA directory. There are currently no DiGA listed e-health devices for patients suffering from hand and foot eczema in Germany and scientific data for the benefit of eHealth devices for these patients are missing.

The aim of this randomized prospective intervention study is to analyze if a monitoring smartphone application combined with a patient education improves the quality of life and the clinical outcome of hand- and foot eczema patients.

#### 2b) In INTRODUCTION: Specific objectives or hypotheses

#### Does your paper address CONSORT subitem 2b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The aim of this randomized prospective intervention study is to analyze if a monitoring smartphone application combined with a patient education improves the quality of life and the clinical outcome of hand- and foot eczema patients.

#### **METHODS**

3a) Description of trial design (such as parallel, factorial) including allocation ratio

#### Does your paper address CONSORT subitem 3a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The study is carried out at the Department of Dermatology, Venereology, and Allergology at the University Medical Center Mannheim, Germany, from August 2018 to August 2021. The Medical Ethics Committee of the Medical Faculty Mannheim, Heidelberg University approved the study (ethics approval 2017-655N-MA) and the implementation complied with the Helsinki Declaration. All participants were instructed in detail about the study design and gave their informed consent before participating in the study. The inclusion criteria included a physician-confirmed diagnosis of a chronic hand and/or foot eczema, the ability to give informed consent, the access to a smartphone and a patient's age between 18 and 75 years. During the first study visit (V1), the study participants were randomly assigned to the control or intervention group in a ratio of 1:1.

3b) Important changes to methods after trial commencement (such as eligibility criteria), with reasons

#### Does your paper address CONSORT subitem 3b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

no changes made



Your answer must have a minimum of 25 characters.

#### 3b-i) Bug fixes, Downtimes, Content Changes

Bug fixes, Downtimes, Content Changes: ehealth systems are often dynamic systems. A description of changes to methods therefore also includes important changes made on the intervention or comparator during the trial (e.g., major bug fixes or changes in the functionality or content) (5-iii) and other "unexpected events" that may have influenced study design such as staff changes, system failures/downtimes, etc. [2].

Auswahl löschen

#### Does your paper address subitem 3b-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

No



Your answer must have a minimum of 25 characters.

#### 4a) Eligibility criteria for participants

#### Does your paper address CONSORT subitem 4a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The inclusion criteria included a physician-confirmed diagnosis of a chronic hand and/or foot eczema, the ability to give informed consent, the access to a smartphone and a patient's age between 18 and 75 years. During the first study visit (V1), the study participants were randomly assigned to the control or intervention group in a ratio of 1:1.

#### 4a-i) Computer / Internet literacy

Computer / Internet literacy is often an implicit "de facto" eligibility criterion - this should be explicitly clarified.

1 2 3 4 5

subitem not at all important

0

0

 $\bigcirc$ 

0

essential

Auswahl löschen

#### Does your paper address subitem 4a-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Not important for this study

#### 4a-ii) Open vs. closed, web-based vs. face-to-face assessments:

Open vs. closed, web-based vs. face-to-face assessments: Mention how participants were recruited (online vs. offline), e.g., from an open access website or from a clinic, and clarify if this was a purely web-based trial, or there were face-to-face components (as part of the intervention or for assessment), i.e., to what degree got the study team to know the participant. In online-only trials, clarify if participants were quasi-anonymous and whether having multiple identities was possible or whether technical or logistical measures (e.g., cookies, email confirmation, phone calls) were used to detect/prevent these.

1 2 3 4 5
subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 4a-ii? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The study is carried out at the Department of Dermatology, Venereology, and Allergology at the University Medical Center Mannheim, Germany, from August 2018 to August 2021. The Medical Ethics Committee of the Medical Faculty Mannheim, Heidelberg University approved the study (ethics approval 2017-655N-MA) and the implementation complied with the Helsinki Declaration. All participants were instructed in detail about the study design and gave their informed consent before participating in the study. The inclusion criteria included a physician-confirmed diagnosis of a chronic hand and/or foot eczema, the ability to give informed consent, the access to a smartphone and a patient's age between 18 and 75 years. During the first study visit (V1), the study participants were randomly assigned to the control or intervention group in a ratio of 1:1.

#### 4a-iii) Information giving during recruitment

Information given during recruitment. Specify how participants were briefed for recruitment and in the informed consent procedures (e.g., publish the informed consent documentation as appendix, see also item X26), as this information may have an effect on user self-selection, user expectation and may also bias results.

	1	2	3	4	5	
subitem not at all important	0	0	0	0	0	essential

#### Does your paper address subitem 4a-iii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Furthermore, these patients received a 2-hour detailed training session on pathogenesis, classification, therapeutic options and behavioral recommendations from two dermatological specialists in our clinic. In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

#### 4b) Settings and locations where the data were collected

#### Does your paper address CONSORT subitem 4b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The study is carried out at the Department of Dermatology, Venereology, and Allergology at the University Medical Center Mannheim, Germany, from August 2018 to August 2021.

4b-i) Report if outcomes were (self-)assessed through online questionnaires

Clearly report if outcomes were (self-)assessed through online questionnaires (as common in web-based trials) or otherwise.

1 2 3 4 5
subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 4b-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

#### 4b-ii) Report how institutional affiliations are displayed

Report how institutional affiliations are displayed to potential participants [on ehealth media], as affiliations with prestigious hospitals or universities may affect volunteer rates, use, and reactions with regards to an intervention. (Not a required item – describe only if this may bias results)

1 2 3 4 5

subitem not at all important

 $\mathsf{C}$ 

0

) (

essential

Auswahl löschen

#### Does your paper address subitem 4b-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

- 1Department of Dermatology, University Medical Center Mannheim, Heidelberg University, Mannheim, Germany
- 2 Mannheim Institute of Public Health, Social and Preventive Medicine, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany..
- 3Department of Dermatology, Venereology and Allergology, University Medical Center, Würzburg, Germany.

5) The interventions for each group with sufficient details to allow replication, including how and when they were actually administered

:-  -££; ;		£ 4la a al a			
іаі, аттііі	ations o	t the de	veloper	s, spons	ors, and
	-			•	
1	2	3	4	5	
0	0	0	•	0	essential
				Au	swahl löschen
oitem 5	-i?				
uscript), c	or elaborat	e on this it	em by pro	viding add	litional
ers of D	erma Inte	elligence	GmbH, w	hich prog	grammed
	s of the dare, this npt).  1  Oitem 5  In the manuscript), oxplain wh	s of the developers, are, this needs to be pt).  1 2  O  Oitem 5-i?  In the manuscript (in uscript), or elaborat explain why the item	s of the developers, sponsors, are, this needs to be declared pt).  1 2 3  O O  Ditem 5-i?  In the manuscript (include quouscript), or elaborate on this it explain why the item is not app	s of the developers, sponsors, and owner, this needs to be declared in a "Conflipt".  1 2 3 4  O O O  Ditem 5-i?  In the manuscript (include quotes in quouscript), or elaborate on this item by proxplain why the item is not applicable/release.	1 2 3 4 5 O O O Au

## 5-ii) Describe the history/development process Describe the history/development process of the application and previous formative evaluations (e.g., focus groups, usability testing), as these will have an impact on adoption/use rates and help with interpreting results. 1 2 3 4 5 subitem not at all important O O O essential Auswahl löschen

#### Does your paper address subitem 5-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

No

(!)

Your answer must have a minimum of 25 characters.

5 iii) Povisions and undating						
5-iii) Revisions and updating						
Revisions and updating. Clearly ment (and comparator, if applicable) evaluation process, or who Describe dynamic components such the replicability of the intervention (for	ated, or de ther the d as news f	escribe wh levelopme eeds or ch	ether the i nt and/or anging co	nterventio content wa ntent whic	n underwe as "frozen"	nt major change during the trial.
	1	2	3	4	5	
subitem not at all important	0	0	0	0	0	essential

#### Does your paper address subitem 5-iii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

No changes were made to the app

#### 5-iv) Quality assurance methods

Provide information on quality assurance methods to ensure accuracy and quality of information provided [1], if applicable.

1 2 3 4 5

subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 5-iv?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We compares answers assessed in person with answers assessed with the app

5-v) Ensure replicability by publishing the source code, and/or providing screenshots/screen-capture video, and/or providing flowcharts of the algorithms used  Ensure replicability by publishing the source code, and/or providing screenshots/screen-capture video, and/or providing flowcharts of the algorithms used. Replicability (i.e., other researchers should in										
principle be able to replicate the study) is a hallmark of scientific reporting.										
1	2	3	4	5						
0	•	0	0	0	essential					
				Au	swahl löschen					
Does your paper address subitem 5-v?  Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study  No, the source code will only be published after the app has been further evaluated in a clincal trial and combined with artificial intelligenc										
s; also ma e source d	ake sure th code or sc	ne interven reenshots <i>i</i>	ition is arc /videos alc	hived (Interpretation) s which are	ernet Archive, e article). As					
	source cogorithms (y) is a half of the mare uscript), constitution which is a published of the appres; also make a source cogorithms are source of the appres; also make a source of the appression and the appression are a source of the appression and the appression are a source of the appression and the appression are a source of the appression and the appression and the appression and the appression are a source of the appression and	video, and/or posource code, and/or gorithms used. Reply) is a hallmark of some some some some some some some some	video, and/or providing source code, and/or providing gorithms used. Replicability (i.y) is a hallmark of scientific results of the manuscript (include queue uscript), or elaborate on this it is xplain why the item is not appoint published after the app hartificial intelligenc	video, and/or providing flowch source code, and/or providing screensh gorithms used. Replicability (i.e., other rey) is a hallmark of scientific reporting.  1 2 3 4  O O O  Ditem 5-v?  In the manuscript (include quotes in quouscript), or elaborate on this item by proxplain why the item is not applicable/rely published after the app has been furtificial intelligenc  of the application, but as the intervention is arce as source code or screenshots/videos alce archived, consider creating demo page	video, and/or providing flowcharts of to source code, and/or providing screenshots/screen gorithms used. Replicability (i.e., other researchers y) is a hallmark of scientific reporting.  1					

#### Does your paper address subitem 5-vi?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The app has been further evaluated in a clincal trial and combined with artificial intelligence

#### 5-vii) Access

Access: Describe how participants accessed the application, in what setting/context, if they had to pay (or were paid) or not, whether they had to be a member of specific group. If known, describe how participants obtained "access to the platform and Internet" [1]. To ensure access for editors/reviewers/readers, consider to provide a "backdoor" login account or demo mode for reviewers/readers to explore the application (also important for archiving purposes, see vi).

1 2 3 4 5

subitem not at all important

 $\mathsf{C}$ 

) essential

Auswahl löschen

#### Does your paper address subitem 5-vii? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

## 5-viii) Mode of delivery, features/functionalities/components of the intervention and comparator, and the theoretical framework

Describe mode of delivery, features/functionalities/components of the intervention and comparator, and the theoretical framework [6] used to design them (instructional strategy [1], behaviour change techniques, persuasive features, etc., see e.g., [7, 8] for terminology). This includes an in-depth description of the content (including where it is coming from and who developed it) [1]," whether [and how] it is tailored to individual circumstances and allows users to track their progress and receive feedback" [6]. This also includes a description of communication delivery channels and – if computer-mediated communication is a component – whether communication was synchronous or asynchronous [6]. It also includes information on presentation strategies [1], including page design principles, average amount of text on pages, presence of hyperlinks to other resources, etc. [1].

1 2 3 4 5
subitem not at all important O O O O essential

Auswahl löschen

#### Does your paper address subitem 5-viii? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

#### 5-ix) Describe use parameters

Describe use parameters (e.g., intended "doses" and optimal timing for use). Clarify what instructions or recommendations were given to the user, e.g., regarding timing, frequency, heaviness of use, if any, or was the intervention used ad libitum.

	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential

Auswahl löschen

#### Does your paper address subitem 5-ix?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

#### 5-x) Clarify the level of human involvement

Clarify the level of human involvement (care providers or health professionals, also technical assistance) in the e-intervention or as co-intervention (detail number and expertise of professionals involved, if any, as well as "type of assistance offered, the timing and frequency of the support, how it is initiated, and the medium by which the assistance is delivered". It may be necessary to distinguish between the level of human involvement required for the trial, and the level of human involvement required for a routine application outside of a RCT setting (discuss under item 21 – generalizability).

	1	2	3	4	5	
subitem not at all important	0	0	0	0	<b>O</b>	essential
					Au	swahl löscher

#### Does your paper address subitem 5-x?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The control group started the first visit in week 0. Information on socio-demographic data, pre-existing conditions and previous and current therapies were collected, and standardized questionnaires such as the Dermatology Life Quality Index (DLQI) surveyed. In addition, patients' current level of knowledge about their disease, the severity of the disease using the Hand Eczema Severity Index (HECSI) or a modified form for foot eczema, as well as the intensity of pain and itch using Numeric Rating Scales (NRS) ranging from 0-10 were recorded. Further the negative impact on the activity of patients was assessed. In-person follow-up visits were carried out in weeks 12 (V2) and 24 (V3). The same parameters were recorded for the intervention group as for the control group. Furthermore, these patients received a 2-hour detailed training session on pathogenesis, classification, therapeutic options and behavioral recommendations from two dermatological specialists in our clinic. In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

#### 5-xi) Report any prompts/reminders used

Report any prompts/reminders used: Clarify if there were prompts (letters, emails, phone calls, SMS) to use the application, what triggered them, frequency etc. It may be necessary to distinguish between the level of prompts/reminders required for the trial, and the level of prompts/reminders for a routine application outside of a RCT setting (discuss under item 21 – generalizability).

1 2 3 4 5
subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 5-xi? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We reminded patients via chat function of the app

#### 5-xii) Describe any co-interventions (incl. training/support)

Describe any co-interventions (incl. training/support): Clearly state any interventions that are provided in addition to the targeted eHealth intervention, as ehealth intervention may not be designed as stand-alone intervention. This includes training sessions and support [1]. It may be necessary to distinguish between the level of training required for the trial, and the level of training for a routine application outside of a RCT setting (discuss under item 21 – generalizability.

subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 5-xii? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

From the 90 patients who signed the informed consent form, 87 patients took part in the baseline visit and were randomized 1:1 in the intervention (n=43) or control group (n=44). Three patients dropped out of the study before the baseline visit. 23 patients discontinued the study after the baseline visit respectively the educational program (intervention group n=17; control group n=6). Until week 24, five more patients discontinued the study. 59 patients completed the week 24 visit (Fig. 1).

6a) Completely defined pre-specified primary and secondary outcome measures, including how and when they were assessed

#### Does your paper address CONSORT subitem 6a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The primary endpoint of the study was to determine the effect of extensive patient training, doctor-patient contact on demand and our app on quality of life, itching and pain in week 12 and 24. Secondary endpoints were the effect on the disease outcome assessed with the HECSI in week 12 and 24. Modulating effects of sex, age, disease duration were evaluated for each endpoint. We also examined the extent to which the HECSI collected in a face-to-face visit with the doctor correlates with the eHECSI assessed by evaluation of the pictures uploaded by the patients via app.

6a-i) Online questionnaires: describe if they were validated for online use and apply CHERRIES items to describe how the questionnaires were designed/deployed  If outcomes were obtained through online questionnaires, describe if they were validated for online use and apply CHERRIES items to describe how the questionnaires were designed/deployed [9].								
	1	2	3	4	5			
subitem not at all important	0	•	0	0	0	essential		
					Au	swahl löschen		
Does your paper address sul Copy and paste relevant sections from We used numeric rating scales u	m manusc	cript text	al practic	e				
6a-ii) Describe whether and defined/measured/monitored	6a-ii) Describe whether and how "use" (including intensity of use/dosage) was							
Describe whether and how "use" (including intensity of use/dosage) was defined/measured/monitored (logins, logfile analysis, etc.). Use/adoption metrics are important process outcomes that should be reported in any ehealth trial.								
	1	2	3	4	5			
subitem not at all important	0	0	0	•	0	essential		
					Au	swahl löschen		

#### Does your paper address subitem 6a-ii?

Copy and paste relevant sections from manuscript text

In addition, each patient received a personal access code to our app, Dermascope Mobile. Using this app, patients were able to take pictures of their hands- and feet, use a chat function to ask questions that were answered by their treating dermatologists, and complete questionnaires on quality of life (DLQI) and current symptoms (NRS for itch and pain). The highest possible app usage frequency was once a week.

6a-iii) Describe whether, how, and when qualitative feedback from participants was obtained Describe whether, how, and when qualitative feedback from participants was obtained (e.g., through emails, feedback forms, interviews, focus groups). subitem not at all important essential Auswahl löschen Does your paper address subitem 6a-iii? Copy and paste relevant sections from manuscript text Feedback was obtained at the end of the study after 60 weeks using a questionnaire. This here is an interim analysis 6b) Any changes to trial outcomes after the trial commenced, with reasons Does your paper address CONSORT subitem 6b? \* Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

There were no changes made

#### 7a) How sample size was determined

NPT: When applicable, details of whether and how the clustering by care provides or centers was addressed

7a-i) Describe whether and how expected attrition was taken into account when calculating the sample size

Describe whether and how expected attrition was taken into account when calculating the sample size.

1 2 3 4 5

subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 7a-i?

Copy and paste relevant sections from manuscript title (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We asked all patients with hand and foot eczema commin to our clinc. From 850 patients asked, 87 were included in the study. Using g-power this number was assessed as a suitable sample size

## 7b) When applicable, explanation of any interim analyses and stopping guidelines

#### Does your paper address CONSORT subitem 7b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In this paper we show date from an interim analysis. The intervention study lasts 60 weeks per patient.

#### 8a) Method used to generate the random allocation sequence

NPT: When applicable, how care providers were allocated to each trial group

#### Does your paper address CONSORT subitem 8a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

During the first study visit (V1), the study participants were randomly assigned to the control or intervention group in a ratio of 1:1.

8b) Type of randomisation; details of any restriction (such as blocking and block size)

#### Does your paper address CONSORT subitem 8b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

For randomisation we used letters, which participants could choose

9) Mechanism used to implement the random allocation sequence (such as sequentially numbered containers), describing any steps taken to conceal the sequence until interventions were assigned

#### Does your paper address CONSORT subitem 9? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We planed the randomisation ahead only for 10 patients.

10) Who generated the random allocation sequence, who enrolled participants, and who assigned participants to interventions

#### Does your paper address CONSORT subitem 10? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The study is carried out at the Department of Dermatology, Venereology, and Allergology at the University Medical Center Mannheim, Germany, from August 2018 to August 2021. The Medical Ethics Committee of the Medical Faculty Mannheim, Heidelberg University approved the study (ethics approval 2017-655N-MA) and the implementation complied with the Helsinki Declaration. All participants were instructed in detail about the study design and gave their informed consent before participating in the study. The inclusion criteria included a physician-confirmed diagnosis of a chronic hand and/or foot eczema, the ability to give informed consent, the access to a smartphone and a patient's age between 18 and 75 years. During the first study visit (V1), the study participants were randomly assigned to the control or intervention group in a ratio of 1:1.

## 11a) If done, who was blinded after assignment to interventions (for example, participants, care providers, those assessing outcomes) and how

NPT: Whether or not administering co-interventions were blinded to group assignment

#### 11a-i) Specify who was blinded, and who wasn't

Specify who was blinded, and who wasn't. Usually, in web-based trials it is not possible to blind the participants [1, 3] (this should be clearly acknowledged), but it may be possible to blind outcome assessors, those doing data analysis or those administering co-interventions (if any).

subitem not at all important O O O essential

Auswahl löschen

#### Does your paper address subitem 11a-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Raphael Herr, our statisticians, worked only with the numbers, that patients provided and was completey independent from the study group

11a-ii) Discuss e.g., whether participants knew which intervention was the "intervention of interest" and which one was the "comparator"

Informed consent procedures (4a-ii) can create biases and certain expectations - discuss e.g., whether

participants knew which intervention was the "intervention of interest" and which one was the

1 2 3 4 5

subitem not at all important

"comparator".

•

0

0

 $\bigcirc$ 

**)** essential

Auswahl löschen

#### Does your paper address subitem 11a-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients knew right away that they were part of the intervention group

#### 11b) If relevant, description of the similarity of interventions

(this item is usually not relevant for ehealth trials as it refers to similarity of a placebo or sham intervention to a active medication/intervention)

#### Does your paper address CONSORT subitem 11b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

This item is not relevant

### 12a) Statistical methods used to compare groups for primary and secondary outcomes

NPT: When applicable, details of whether and how the clustering by care providers or centers was addressed

#### Does your paper address CONSORT subitem 12a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Linear panel data regression analyses estimated the trajectories in the outcomes. Random effect regressions determined the main and interaction effects of group membership (intervention vs control group) and visit timepoint (V1 (week 0), V2 (week 12), V3 (week 24)) on DLQI, mood, daily activity, HECSI, pruritus, and pain. Two models of adjustment were calculated. The first model was unadjusted, while the second model was adjusted for sex, age, and disease duration. In additional analyses, effects of the app usage frequency over 24 weeks were included (group membership: control vs < 20% vs □ 20% usage). Therefore, the intervention group was divided into two groups with patients using the app more or less frequently than 20% during the observation period of 24 weeks. The chosen cutoff of 20% equals a usage of once every 5 weeks. Variables were transformed to approach normal distribution (power transform square root of LOG10 of DLQI, and square of mood). All statistical analyses were performed using STATA SE 14.

To determine the extent to which the eHECSI correlated with the HECSI collected in the face-to-face visit, a Spearman correlation coefficient was calculated.

We also examined within the intervention group which socioeconomic factors influence the course of the HECSI and the DLOI.

#### 12a-i) Imputation techniques to deal with attrition / missing values

Imputation techniques to deal with attrition / missing values: Not all participants will use the intervention/comparator as intended and attrition is typically high in ehealth trials. Specify how participants who did not use the application or dropped out from the trial were treated in the statistical analysis (a complete case analysis is strongly discouraged, and simple imputation techniques such as LOCE may also be problematic [4])

LOCF may also be problematic [4]).	Strongly (	aiscourage	eu, anu sin	ipie iiriput	ation tech	iliques sucil as
	1	2	3	4	5	
subitem not at all important	0	0	0	•	0	essential
					Au	swahl löschen

#### Does your paper address subitem 12a-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Linear panel data regression analyses estimated the trajectories in the outcomes. Random effect regressions determined the main and interaction effects of group membership (intervention vs control group) and visit timepoint (V1 (week 0), V2 (week 12), V3 (week 24)) on DLQI, mood, daily activity, HECSI, pruritus, and pain. Two models of adjustment were calculated. The first model was unadjusted, while the second model was adjusted for sex, age, and disease duration. In additional analyses, effects of the app usage frequency over 24 weeks were included (group membership: control vs < 20% vs  $\square$  20% usage). Therefore, the intervention group was divided into two groups with patients using the app more or less frequently than 20% during the observation period of 24 weeks. The chosen cutoff of 20% equals a usage of once every 5 weeks. Variables were transformed to approach normal distribution (power transform square root of LOG10 of DLQI, and square of mood). All statistical analyses were performed using STATA SE 14.

To determine the extent to which the eHECSI correlated with the HECSI collected in the face-to-face visit, a Spearman correlation coefficient was calculated.

We also examined within the intervention group which socioeconomic factors influence the course of the HECSI and the DLQI.

12b) Methods for additional analyses, such as subgroup analyses and adjusted analyses

#### Does your paper address CONSORT subitem 12b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Linear panel data regression analyses estimated the trajectories in the outcomes. Random effect regressions determined the main and interaction effects of group membership (intervention vs control group) and visit timepoint (V1 (week 0), V2 (week 12), V3 (week 24)) on DLQI, mood, daily activity, HECSI, pruritus, and pain. Two models of adjustment were calculated. The first model was unadjusted, while the second model was adjusted for sex, age, and disease duration. In additional analyses, effects of the app usage frequency over 24 weeks were included (group membership: control vs < 20% vs □ 20% usage). Therefore, the intervention group was divided into two groups with patients using the app more or less frequently than 20% during the observation period of 24 weeks. The chosen cutoff of 20% equals a usage of once every 5 weeks. Variables were transformed to approach normal distribution (power transform square root of LOG10 of DLQI, and square of mood). All statistical analyses were performed using STATA SE 14.

To determine the extent to which the eHECSI correlated with the HECSI collected in the face-to-face visit, a Spearman correlation coefficient was calculated.

We also examined within the intervention group which socioeconomic factors influence the course of the HECSI and the DLQI.

X26) REB/IRB Approval and Ethical Considerations [recommended as subheading under "Methods"] (not a CONSORT item)

X26-i) Comment on ethics co	ommitte	ee appro	oval			
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen

### Does your paper address subitem X26-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The study is carried out at the Department of Dermatology, Venereology, and Allergology at the University Medical Center Mannheim, Germany, from August 2018 to August 2021. The Medical Ethics Committee of the Medical Faculty Mannheim, Heidelberg University approved the study (ethics approval 2017-655N-MA) and the implementation complied with the Helsinki Declaration.

### x26-ii) Outline informed consent procedures

Outline informed consent procedures e.g., if consent was obtained offline or online (how? Checkbox, etc.?), and what information was provided (see 4a-ii). See [6] for some items to be included in informed consent documents.

1 2 3 4 5

subitem not at all important O O O essential

Auswahl löschen

### Does your paper address subitem X26-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

All participants were instructed in detail about the study design and gave their informed consent before participating in the study.

### X26-iii) Safety and security procedures

Safety and security procedures, incl. privacy considerations, and any steps taken to reduce the likelihood or detection of harm (e.g., education and training, availability of a hotline)

1 2 3 4 5

subitem not at all important O O O essential

Auswahl löschen

## Does your paper address subitem X26-iii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Patients received an educational training for the app. The app collected no personal data.

### **RESULTS**

13a) For each group, the numbers of participants who were randomly assigned, received intended treatment, and were analysed for the primary outcome

NPT: The number of care providers or centers performing the intervention in each group and the number of patients treated by each care provider in each center

### Does your paper address CONSORT subitem 13a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

850 patients were asked to participate, 90 patients were included in the study. The main reasons for declining the participation were lack of time, amelioration of hand/foot eczema or distance to our outpatient clinic.

From the 90 patients who signed the informed consent form, 87 patients took part in the baseline visit and were randomized 1:1 in the intervention (n=43) or control group (n=44). Three patients dropped out of the study before the baseline visit. 23 patients discontinued the study after the baseline visit respectively the educational program (intervention group n=17; control group n=6). Until week 24, five more patients discontinued the study. 59 patients completed the week 24 visit (Fig. 1).

13b) For each group, losses and exclusions after randomisation, together with reasons

Does your paper address CONSORT subitem 13b? (NOTE: Preferably, this is shown in a CONSORT flow diagram) \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

850 patients were asked to participate, 90 patients were included in the study. The main reasons for declining the participation were lack of time, amelioration of hand/foot eczema or distance to our outpatient clinic.

From the 90 patients who signed the informed consent form, 87 patients took part in the baseline visit and were randomized 1:1 in the intervention (n=43) or control group (n=44). Three patients dropped out of the study before the baseline visit. 23 patients discontinued the study after the baseline visit respectively the educational program (intervention group n=17; control group n=6). Until week 24, five more patients discontinued the study. 59 patients completed the week 24 visit (Fig. 1).

### 13b-i) Attrition diagram

Strongly recommended: An attrition diagram (e.g., proportion of participants still logging in or using the intervention/comparator in each group plotted over time, similar to a survival curve) or other figures or tables demonstrating usage/dose/engagement.

1 2 3 4 5

subitem not at all important

 $\subset$ 

0

 $\bigcirc$ 

) essential

Auswahl löschen

# Does your paper address subitem 13b-i?

Copy and paste relevant sections from the manuscript or cite the figure number if applicable (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We did not analyse that.

(!)

Your answer must have a minimum of 25 characters.

14a) Dates defining the periods of recruitment and follow-up

## Does your paper address CONSORT subitem 14a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We did not include this in our result text, only in the materials and methods section

# 14a-i) Indicate if critical "secular events" fell into the study period

Indicate if critical "secular events" fell into the study period, e.g., significant changes in Internet resources available or "changes in computer hardware or Internet delivery resources"

1 2 3 4 5

subitem not at all important

•

 $\bigcirc$ 

0

0

essential

Auswahl löschen

# Does your paper address subitem 14a-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

No "secular events" fell into the study period

### 14b) Why the trial ended or was stopped (early)

### Does your paper address CONSORT subitem 14b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

The trial was not stopped early

# 15) A table showing baseline demographic and clinical characteristics for each group

NPT: When applicable, a description of care providers (case volume, qualification, expertise, etc.) and centers (volume) in each group

### Does your paper address CONSORT subitem 15? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We included that in Table 1 of our paper

# 15-i) Report demographics associated with digital divide issues

In ehealth trials it is particularly important to report demographics associated with digital divide issues, such as age, education, gender, social-economic status, computer/Internet/ehealth literacy of the participants, if known.

1 2 3 4 5

subitem not at all important

C

0

0

**)** essential

Auswahl löschen

### Does your paper address subitem 15-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We included that in Table 1 of our paper

16) For each group, number of participants (denominator) included in each analysis and whether the analysis was by original assigned groups

16-i) Report multiple "denom	inators'	" and pro	ovide de	efinition	S	
Report multiple "denominators" and p study participation [and use] threshol used more than y weeks, N participar points of interest (in absolute and rel intervention.	ds" [1], e. its "used"	g., N expo	sed, N con ention/cor	sented, N mparator a	used more at specific	e than x times, N pre-defined time
	1	2	3	4	5	
subitem not at all important	0	0	0	•	0	essential
					Au	swahl löschen
Does your paper address suk						
Copy and paste relevant sections from indicate direct quotes from your man information not in the ms, or briefly e	uscript), c	or elaborat	e on this i	tem by pro	oviding add	itional
We adressed this in our paper						
16-ii) Primary analysis should Primary analysis should be intent-to-t the appropriate caveats that this is no	reat, seco	ondary ana	lyses cou			only "users", with
	1	2	3	4	5	
subitem not at all important	•	0	0	0	0	essential
					Au	swahl löschen
Does vour naner address sub	nitem 14	5_ii?				
Does your paper address sub Copy and paste relevant sections from indicate direct quotes from your man information not in the ms, or briefly e	m the mar uscript), c	nuscript (ii or elaborat	e on this i	tem by pro	oviding add	itional

17a) For each primary and secondary outcome, results for each group, and the estimated effect size and its precision (such as 95% confidence interval)

### Does your paper address CONSORT subitem 17a? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We included that in our Tables and descriptions

# 17a-i) Presentation of process outcomes such as metrics of use and intensity of use

In addition to primary/secondary (clinical) outcomes, the presentation of process outcomes such as metrics of use and intensity of use (dose, exposure) and their operational definitions is critical. This does not only refer to metrics of attrition (13-b) (often a binary variable), but also to more continuous exposure metrics such as "average session length". These must be accompanied by a technical description how a metric like a "session" is defined (e.g., timeout after idle time) [1] (report under item 6a).

1 2 3 4 5

Auswahl löschen

### Does your paper address subitem 17a-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We analysed the effects of the usage frequncy of our app

17b) For binary outcomes, presentation of both absolute and relative effect sizes is recommended

# Does your paper address CONSORT subitem 17b? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

this is not relevant for our paper

18) Results of any other analyses performed, including subgroup analyses and adjusted analyses, distinguishing pre-specified from exploratory

# Does your paper address CONSORT subitem 18? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Meine Antwort

# 18-i) Subgroup analysis of comparing only users

A subgroup analysis of comparing only users is not uncommon in ehealth trials, but if done, it must be stressed that this is a self-selected sample and no longer an unbiased sample from a randomized trial (see 16-iii).

1 2 3 4

subitem not at all important O O O essential

Auswahl löschen

# Does your paper address subitem 18-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

"An app usage frequency of less than once every 5 weeks leads to a significant amelioration of life quality, pain, activity and the eczema" and "Male patients profit more from the intervention concerning the clinical outcome"

<b>19) All important harms or u</b> (for specific guidance see CONSORT			cts in e	ach gro	up	
Does your paper address CC	NSORT	subiter	n 19? *			
Copy and paste relevant sections froi indicate direct quotes from your man information not in the ms, or briefly e	uscript), c	r elaborat	e on this i	tem by pro	viding add	litional
There were no important harms						
19-i) Include privacy breache	s, techr	nical pro	blems			
Include privacy breaches, technical p but also incidents such as perceived unexpected/unintended incidents. "U	or real pri	vacy bread	ches [1], te	chnical pr	oblems, ar	nd other
	1	2	3	4	5	
subitem not at all important	<b>O</b>	0	0	0	0	essential
					Au	swahl löschen
Does your paper address sul	oitem 19	9-i?				
Copy and paste relevant sections from indicate direct quotes from your man information not in the ms, or briefly e	uscript), c	r elaborat	e on this i	tem by pro	viding add	litional

We had no privacy breaches.

19-ii) Include qualitative feed staff/researchers	lback fr	om part	icipants	or obse	ervation	s from
Include qualitative feedback from par strengths and shortcomings of the ar or uses. This includes (if available) re by the developers.	oplication	, especiall	y if they po	int to unir	ntended/ur	nexpected effects
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen
Does your paper address sull Copy and paste relevant sections from indicate direct quotes from your man information not in the ms, or briefly elements. We will receive that at the end of	m the mai uscript), c xplain wh	nuscript (ii or elaborat y the item	e on this it	tem by pro	viding add	litional
DISCUSSION						
22) Interpretation consistent considering other relevant of NPT: In addition, take into account the expertise of care providers or center	evidenc ne choice	<b>e</b> of the con				
22-i) Restate study questions starting with primary outcom Restate study questions and summar outcomes and process outcomes (us	nes and	proces	s outcor	nes (use	e)	
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen

## Does your paper address subitem 22-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In our intervention study we show that a monitoring app in combination with a patient education has a significant effect on life quality, pain, activity and clinical outcome if the app is not used more than once every five weeks.

Highlight unanswered new questions, suggest future research.

1 2 3 4 5

subitem not at all important

essential

# Does your paper address subitem 22-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Our study has some limitations. A major limitation is the monocentric design and the small study cohort, which limits generalizability of the results. In particular, the group with less than 20% app usage frequency is very small, which could have led to missed or over-interpreted differences between the groups. Further studies are necessary to verify our findings on a broader scale.

20) Trial limitations, addressing sources of potential bias, imprecision, and, if relevant, multiplicity of analyses

20-i) Typical limitations in eh	ealth tri	ials				
Typical limitations in ehealth trials: Palook at a multiplicity of outcomes, incintervention/usability issues, biases t	reasing ri	isk for a Ty	ype I error.	Discuss b	iases due	to non-use of the
	1	2	3	4	5	
subitem not at all important	0	0	0	0	•	essential
					Au	swahl löschen

# Does your paper address subitem 20-i? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Our study has some limitations. A major limitation is the monocentric design and the small study cohort, which limits generalizability of the results. In particular, the group with less than 20% app usage frequency is very small, which could have led to missed or overinterpreted differences between the groups. Further studies are necessary to verify our findings on a broader scale.

### 21) Generalisability (external validity, applicability) of the trial findings

NPT: External validity of the trial findings according to the intervention, comparators, patients, and care providers or centers involved in the trial

21-1) Generalizability to other populations							
Generalizability to other populations: In particular, discuss generalizability to a general Internet population, outside of a RCT setting, and general patient population, including applicability of the study results for other organizations							
	1	2	3	4	5		
subitem not at all important	0	0	0	0	•	essential	
					Au	swahl löschen	

## Does your paper address subitem 21-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

In our intervention study we show that a monitoring app in combination with a patient education has a significant effect on life quality, pain, activity and clinical outcome if the app is not used more than once every five weeks. This interesting finding fits our previous results obtained in a 60-week monitoring app intervention study performed with psoriasis patients. These patients showed a significant improvement of depressive and anxiety symptoms assessed with the Hospital Anxiety and Depression Scale in the group using the app less than once every 5 weeks13. In that paper we concluded that chronically ill patients do not wish to be reminded about their disease too often. Here, we additionally are convinced that patient don't want to invest too much time in documenting their disease as they already need to spend enough time for taking care of their eczematous skin. The mainstay of hand and foot eczema management is still topical therapy, which needs to be applied several times a day. For psoriasis patients process aspects such as the application time have been associated with non-adherence and a negative impact on quality of life14, 15

# 21-ii) Discuss if there were elements in the RCT that would be different in a routine application setting

Discuss if there were elements in the RCT that would be different in a routine application setting (e.g., prompts/reminders, more human involvement, training sessions or other co-interventions) and what impact the omission of these elements could have on use, adoption, or outcomes if the intervention is applied outside of a RCT setting.

1 2 3 4 5
subitem not at all important 
O O O essential

Auswahl löschen

### Does your paper address subitem 21-ii?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We did not discuss that

①

Your answer must have a minimum of 25 characters.

### OTHER INFORMATION

# 23) Registration number and name of trial registry

### Does your paper address CONSORT subitem 23? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

Clinical Trial Registration: Deutsches Register klinische Studien (DRKS): DRKS00020963

## 24) Where the full trial protocol can be accessed, if available

# Does your paper address CONSORT subitem 24? \*

Cite a Multimedia Appendix, other reference, or copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

We can provide the full trial protocol if needed

# 25) Sources of funding and other support (such as supply of drugs), role of funders

### Does your paper address CONSORT subitem 25? \*

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

## **Funding Sources**

This work was sponsored by Novartis Pharma GmbH.

### X27) Conflicts of Interest (not a CONSORT item)

# X27-i) State the relation of the study team towards the system being evaluated

In addition to the usual declaration of interests (financial or otherwise), also state the relation of the study team towards the system being evaluated, i.e., state if the authors/evaluators are distinct from or identical with the developers/sponsors of the intervention.

1 2 3 4 5

subitem not at all important O

Auswahl löschen

essential

# Does your paper address subitem X27-i?

Copy and paste relevant sections from the manuscript (include quotes in quotation marks "like this" to indicate direct quotes from your manuscript), or elaborate on this item by providing additional information not in the ms, or briefly explain why the item is not applicable/relevant for your study

### Conflict of Interest

RH, WW, YS, and AB declare no conflicts of interest. AS was member of an advisory board of LEO Pharma and Almirall Hermal GmbH and obtained honoraria from LEO Pharma and Almirall Hermal GmbH. AS and JB are the CEOs and owners of Derma Intelligence GmbH, which programmed DermaScope Mobile.

### About the CONSORT EHEALTH checklist

As a result of using this checklist, did you make changes in your manuscript? \*

yes, major changes

yes, minor changes

no

What were the most important changes you made as a result of using this checklist?
No changes
! Your answer must have a minimum of 25 characters.
How much time did you spend on going through the checklist INCLUDING making changes in your manuscript *
30 min.
! Your answer must have a minimum of 25 characters.
As a result of using this checklist, do you think your manuscript has improved? *
yes
o no
Sonstiges:
Would you like to become involved in the CONSORT EHEALTH group?  This would involve for example becoming involved in participating in a workshop and writing an "Explanation and Elaboration" document
O yes
no
O Sonstiges:
Auswahl löschen

Any other comments or questions on CONSORT EHEALTH

No



Your answer must have a minimum of 25 characters.

## STOP - Save this form as PDF before you click submit

To generate a record that you filled in this form, we recommend to generate a PDF of this page (on a Mac, simply select "print" and then select "print as PDF") before you submit it.

When you submit your (revised) paper to JMIR, please upload the PDF as supplementary file.

Don't worry if some text in the textboxes is cut off, as we still have the complete information in our database. Thank you!

## Final step: Click submit!

Click submit so we have your answers in our database!

Senden

Alle Eingaben löschen

Geben Sie niemals Passw<sup>o</sup>rter <sup>üb</sup>er <sup>G</sup>oogle Formulare we<sup>i</sup>ter .

Dieser Inhalt wurde nicht von Google erstellt und wird von Google auch nicht unterstützt. <u>Missbrauch melden</u> - <u>Nutzungsbedingungen</u> - <u>Datenschutzerklärung</u>

Google Formulare