ISRCTN92520775 https://doi.org/10.1186/ISRCTN92520775

# E-health in caring for patients with atopic dermatitis. An economic evaluation comparing usual care with internet-guided monitoring and self-management training by a nurse practitioner.

**Submission date**
19/07/2006

**Registration date**
19/07/2006

**Last Edited**
08/01/2021

**Recruitment status**
No longer recruiting

**Overall study status**
Completed

**Condition category**
Skin and Connective Tissue Diseases

☐ Prospectively registered
☐ Protocol
☐ Statistical analysis plan
☒ Results
☐ Individual participant data

**Plain English summary of protocol**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

**Contact name**
Dr Petra Eland-de Kok

**Contact details**
University Medical Center Utrecht (UMCU)
Department of Dermatology
P.O. Box 85500
Utrecht
Netherlands
3508 GA
+31 (0)30 2507348
p.kok@umcutrecht.nl

## Additional identifiers

**Protocol serial number**
NL556, NTR612

# Study information

### Scientific Title
E-health in caring for patients with atopic dermatitis. An economic evaluation comparing usual care with internet-guided monitoring and self-management training by a nurse practitioner.

### Study objectives
We hypothesize that e-health, consisting of internet-guided monitoring and self management training online, for patients with atopic dermatitis (AD) combines cost savings with an improvement in quality of life.

### Ethics approval required
Old ethics approval format

### Ethics approval(s)
Not provided at time of registration

### Study design
Randomised controlled, parallel group trial

### Primary study design
Interventional

### Study type(s)
Quality of life

### Health condition(s) or problem(s) studied
Atopic dermatitis

### Interventions
Intervention group: E-health
E-health consists of internet-guided monitoring and self-management training.
Every patient has access to his personal website using a password. The nurse practitioner (NP) has access to this site too.
This personal website contains:
1. General information about atopic dermatitis (AD) and personal information about prescribed treatment and daily skincare
2. Monitoring information: the patient can monitor the disease using digital photographs of the skin, a self score of skin status, visual analogue scale (VAS) scores of sleeping and itching and by keeping a diary of ointment use. The NP uses the data to support patients or parents in self-management by e-mail
3. Offers the possibility for e-mail contact between the patient and NP on all working days
4. Facilitates an assessment of psychosocial aspects and consequences of having AD as part of daily living. The NP can counsel, give information or advice in individual cases.
Follow-up visits to the NP or dermatologist are possible in individual cases where e-health is inadequate.
The control group receives the usual care consisting of scheduled follow-up visits to the dermatologist and the dermatology nurse practitioner.

### Intervention Type

Other

**Phase**
Not Specified

**Primary outcome(s)**
1. Direct and indirect costs of care
2. Quality of life

**Key secondary outcome(s))**
1. Severity and extent of the AD

**Completion date**
01/02/2009

## Eligibility

**Key inclusion criteria**
1. Patients with moderate or severe AD aged 16+ or parents of children aged 0 to 4
2. Who visit the outpatient dermatology department of University Medical Center, Utrecht or Erasmus Medical Center, Rotterdam for the first time
3. Patients who have internet access

**Participant type(s)**
Patient

**Healthy volunteers allowed**
No

**Age group**
Adult

**Sex**
All

**Total final enrolment**
199

**Key exclusion criteria**
1. Oral immunosuppressive drugs
2. Ultraviolet -B (UV-B) or ultraviolet -A (UV-A) light therapy

**Date of first enrolment**
01/03/2006

**Date of final enrolment**
01/02/2009

## Locations

**Countries of recruitment**
Netherlands

**Study participating centre**
**University Medical Center Utrecht (UMCU)**
Utrecht
Netherlands
3508 GA

## Sponsor information

**Organisation**
University Medical Center Utrecht (UMCU), Department of Dermatology and Allergology (The Netherlands)

**ROR**
https://ror.org/0575yy874

## Funder(s)

**Funder type**
Research organisation

**Funder Name**
Netherlands Organisation for Health Research and Development (ZonMw)

**Alternative Name(s)**
Netherlands Organisation for Health Research and Development

**Funding Body Type**
Private sector organisation

**Funding Body Subtype**
Other non-profit organizations

**Location**
Netherlands

## Results and Publications

## Individual participant data (IPD) sharing plan

### IPD sharing plan summary
Not provided at time of registration

### Study outputs

| Output type | Details | Date created | Date added | Peer reviewed? | Patient-facing? |
|---|---|---|---|---|---|
| Results article | results | 01/05/2012 | 08/01/2021 | Yes | No |