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# The Diabetes guidelines Implementation in Hospitals Study

| Submission date | Recruitment status |
|---|---|
| 26/02/2007 | No longer recruiting |
| **Registration date** | **Overall study status** |
| 26/02/2007 | Completed |
| **Last Edited** | **Condition category** |
| 25/04/2014 | Nutritional, Metabolic, Endocrine |

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] Individual participant data

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

## Contact information

**Type(s)**
Scientific

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## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**
N/A

# Study information

## Scientific Title

## Acronym
DIHS

## Study objectives
A patient centred or a professional directed intervention to improve adherence to diabetes guidelines in hospitals are more (cost) effective compared to usual care.

More details can be found at:
1. http://www.ncbi.nlm.nih.gov/pubmed/12191541
2. http://www.ncbi.nlm.nih.gov/pubmed/15860240

## Ethics approval required
Old ethics approval format

## Ethics approval(s)
The ethics committee of St Radboud Medical Centre approved the trial on 30/11/1998, ref: CWOM-nr: 9810-0208

## Study design
Randomised, active controlled, parallel group, multicentre trial

## Primary study design
Interventional

## Secondary study design
Randomised controlled trial

## Study setting(s)
Other

## Study type(s)
Treatment

## Participant information sheet

## Health condition(s) or problem(s) studied
Diabetes, empowerment, guideline adherence, guidelines, physician-patient interaction

## Interventions
At hospitals in the professional-directed group (n = 4), the health professionals received aggregated feedback on baseline data on their patient population. During an educational meeting for internists, Diabetes Specialist Nurses (DSNs) and dieticians, the guidelines were discussed, promoted and distributed by a national opinion leader in diabetic care. Also desktop reminder cards of key guidelines were distributed, including a nomogram to easily calculate the Body Mass Index (BMI).

Internists and DSNs preferred these reminder cards to locally adapted written protocols. After six months the internists received personal benchmarked feedback on their clinical performance.

At the hospitals in the patient centred group (n = 4) intervention activities were addressed to the health care professionals and to the patients. As in the other intervention group feedback was given to the professionals on baseline data. During an educational meeting with a national opinion leader, guidelines as well as the diabetes passports were introduced. Barriers and facilitators to implement the diabetes passports in the clinic were discussed.

Like in the other intervention group after six months personal feedback was given to the internists only, but this time on clinical performance as well as on the use of the diabetes passport. For the patients in the patient centred group, additional educational meetings were organised in collaboration with the local patient organisations. Furthermore 4,500 diabetes passports were made available at the four hospitals and waiting room posters, reminders for the patients to bring their passports and leaflets explaining how to use the passport were distributed. The passports were introduced and given to the patients by internists or DSNs during the clinic hours.

### Intervention Type
Other

### Phase
Not Specified

### Primary outcome measure
The mean HbA1c level (mmol/l) of the patients in the different intervention groups.

### Secondary outcome measures
Clinical outcomes at the patient level:
1. Quality of Life (Short Form Health Survey [SF-20]) locus of control
2. Patient satisfaction

### Overall study start date
01/12/2000

### Completion date
18/03/2004

## Eligibility

### Key inclusion criteria
In 13 hospitals, the first 150 patients with diabetes that came for a check-up at their internists were included.

### Participant type(s)
Patient

### Age group
Not Specified

### Sex
Not Specified

### Target number of participants
1950

### Key exclusion criteria
1. Patients with a short (less than one year) life expectancy
2. Pregnant patients

### Date of first enrolment
01/12/2000

### Date of final enrolment
18/03/2004

## Locations

### Countries of recruitment
Netherlands

### Study participating centre
**Centre for Quality of Care Research (117-WOK)**
Nijmegen
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6500 HB

## Sponsor information

### Organisation
University Medical Centre St. Radboud (The Netherlands)

### Sponsor details
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117 KWAZO
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### Sponsor type
Hospital/treatment centre

### ROR
https://ror.org/05wg1m734

# Funder(s)

### Funder type
Government

### Funder Name
The Netherlands Ministry of Health, Welfare and Sport (The Netherlands)

# Results and Publications

### Publication and dissemination plan
Not provided at time of registration

### Intention to publish date

### 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 | 01/02/2006 | | Yes | No |
| Results article | results | 01/10/2013 | | Yes | No |