

# Preventing further falls and functional decline among elderly persons presented to the Accident and Emergency (A&E) department with a fall: randomised controlled trial

**Submission date**

27/08/2004

**Recruitment status**

No longer recruiting

☐ Prospectively registered

☒ Protocol

**Registration date**

11/10/2004

**Overall study status**

Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**

02/09/2021

**Condition category**

Injury, Occupational Diseases, Poisoning

☐ 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

**Protocol serial number**

945-02-053

## Study information

**Scientific Title**

Preventing further falls and functional decline among elderly persons presented to the Accident and Emergency (A&E) department with a fall: randomised controlled trial

**Acronym**

Interval

**Study objectives**

The main objective of our current study is to evaluate the effects of a multidisciplinary intervention programme on recurrent falls and functional decline among elderly persons who have visit a general practitioners' cooperative (GP cooperative) and/or an accident and emergency department (A&E department) because of a fall. This objective has resulted in the following research questions:

1. Is a multidisciplinary intervention programme more effective than usual care in preventing new falls and functional decline among community-dwelling elderly people who visit a GP cooperative and/or A&E department at a hospital because of a fall?
2. Is the multidisciplinary intervention programme cost-effective compared to usual care when assessed from a societal perspective?

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

The study design and protocols were approved by the Medical Ethics Committee of the University Hospital and University of Maastricht.

**Primary study design**

Interventional

**Study design**

Randomised controlled trial

**Study type(s)**

Prevention

**Health condition(s) or problem(s) studied**

Falls

**Interventions**

1. Patients in the intervention group underwent a detailed medical and occupational-therapy assessment with referral to relevant services if indicated
2. Those assigned to the control group received usual care only

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome(s)**

1. Number of falls (recorded continuously by means of a fall calendar during the twelve-month follow-up period):

1.1. The percentage of elderly people sustaining a fall during the one-year follow-up period

1.2. Recurrent falls during follow-up (i.e., the percentage of elderly people sustaining two or more falls)

1.3. Injurious falls during follow-up (the percentage of elderly people receiving medical care after a fall)

2. Daily functioning, measured using the Frenchai Activity Index (FAI) at baseline and after four and twelve months

### **Key secondary outcome(s)**

Secondary outcome measures:

1. Recuperation from the fall

2. Health complaints

3. Perceived health measured by means of the first two items of the RAND 36-Item Health Survey

4. Activities of Daily Living (ADL) and Instrumental Activities of Daily Living (IADL) disability measured by means of the Groningen Activity Restriction Scale (GARS)

5. Mental health measured by means of the Hospital Anxiety and Depression Scale (HADS)

6. Quality of life measured by means of the European Quality of Life instrument (EuroQol)

The secondary outcome measures are assessed by means of self-administered questionnaires at four and twelve months.

### **Completion date**

01/02/2004

## **Eligibility**

### **Key inclusion criteria**

1. Aged 65 years or older

2. Community-dwelling

3. Having visited the A&E department or GP cooperative at the University Hospital Maastricht with consequences resulting from a fall

4. Living in Maastricht or its surroundings

### **Participant type(s)**

Patient

### **Healthy volunteers allowed**

No

### **Age group**

Senior

### **Sex**

Not Specified

### **Key exclusion criteria**

1. Not able to speak or understand Dutch

2. Not able to complete questionnaires or interviews by telephone

3. Cognitive impairment (a score of less than 4 on the Abbreviated Mental Test 4 (AMT 4)
4. Long-term admission to a hospital or other institution (more than four weeks from the date of inclusion)
5. Permanently bedridden
6. Fully dependent on a wheelchair

**Date of first enrolment**

01/12/2002

**Date of final enrolment**

01/02/2004

## Locations

**Countries of recruitment**

Netherlands

**Study participating centre**

University Maastricht

Maastricht

Netherlands

6200 MD

## Sponsor information

**Organisation**

The Netherlands Organisation for Health Research and Development (ZonMw) (The Netherlands)

**ROR**

<https://ror.org/01yaj9a77>

## Funder(s)

**Funder type**

Research organisation

**Funder Name**

The Netherlands Organisation for Health Research and Development (ZonMw) (The Netherlands) (ref: 945-02-053)

# 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? |
|------------------------------------|--------------------|--------------|------------|----------------|-----------------|
| <a href="#">Results article</a>    | results            | 01/03/2008   | 26/02/2021 | Yes            | No              |
| <a href="#">Protocol article</a>   | Protocol           | 14/01/2005   |            | Yes            | No              |
| <a href="#">Other publications</a> | process evaluation | 24/09/2008   | 26/02/2021 | Yes            | No              |