

# Effect of Medication Review and Counselling of Community Pharmacists of Patients discharged from the hospital on Medication safety and compliance

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The main objective of this study is to examine the effect of medication review and counselling of discharged patients, using five or more prescription only drugs, by the community pharmacist on the prevalence of Drug Related Problems (DRP). The...

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Pending
<b>Health condition type</b>	Other condition
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON31681

### Source

ToetsingOnline

### Brief title

Effect of Medication Review and Counselling of discharged Patients (IBOM 2)

### Condition

- Other condition

### Synonym

Drug related problems after discharge from hospital

### Health condition

het onderzoek wordt uitgevoerd bij mensen die zijn ontslagen van de afdelingen cardiologie, interne geneeskunde of longgeneeskunde.

## Research involving

Human

## Sponsors and support

**Primary sponsor:** Zorgonderzoek Nederland (ZON)

**Source(s) of monetary or material Support:** ZonMW

## Intervention

**Keyword:** Counselling, Drug problem, Medication error, Medication review

## Outcome measures

### Primary outcome

Effects will be assessed in terms of changes in the prevalence of DRP.

### Secondary outcome

Secondary endpoints are the incidence of re-hospitalisation, attitude to drugs, persistence of drug adherence, quality of life and cost-effectiveness.

## Study description

### Background summary

Drug related problems (DRP) such as contra-indications, interactions, adverse drug reactions (ADR), incorrect dosing, irrationality and inefficacy of treatment not only result from the specific effects of drugs in patients but also from causes like prescription errors and non-compliance with treatment. Risk factors for DRP include aging, co-morbidity, polypharmacy and hospitalisation.

### Study objective

The main objective of this study is to examine the effect of medication review and counselling of discharged patients, using five or more prescription only drugs, by the community pharmacist on the prevalence of Drug Related Problems (DRP).

The effect of patient counselling by pharmacists on re-hospitalisation, compliance, quality of life and the cost-effectiveness of the intervention are

secondary objectives.

## **Study design**

A randomised controlled trial.

## **Intervention**

A systematic medication review by community pharmacists. Pharmacy technicians will counsel patients at home at baseline and at 1, 3, 6, 9 and 12 months. Control patients receive usual care.

## **Study burden and risks**

Patients are asked to fill in a questionnaire containing questions about patients\* health state and compliance. Patients are furthermore asked to fill in questions about their health care consumption to measure cost effectiveness. At baseline patients are counselled by pharmacists during a homevisit about the effects, side effects and use of the drugs, and compliance. Over a period of one year patients get additional counselling at 1, 3, 6, 9 and 12 months. Participants may benefit of changes in behavior, which reduces the risk on the occurrence of drug related problems and re-hospitalization. There are no risks associated with trial participation.

## **Contacts**

### **Public**

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## **Trial sites**

## Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Age: over 60 years

Drugs: over 5 chronic prescription only drugs

Discharged from hospital from the departments of cardiovascular disease, lung disease and internal medicine

### Exclusion criteria

- Patients discharged to a nursing home
- A poor mental status
- Terminal ill patients
- Patients not able to communicate in Dutch

## Study design

### Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)

**Primary purpose:** Treatment

### Recruitment

NL

Recruitment status: Pending

Start date (anticipated):	01-02-2008
Enrollment:	345
Type:	Anticipated

## Ethics review

Approved WMO	
Date:	08-02-2008
Application type:	First submission
Review commission:	METC Amsterdam UMC

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

### Other (possibly less up-to-date) registrations in this register

No registrations found.

### In other registers

Register	ID
CCMO	NL18549.029.07