

# A randomised controlled trial of a pharmacy care plan for elderly patients discharged from hospital.

<b>Submission date</b> 23/01/2004	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 23/01/2004	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
<b>Last Edited</b> 01/12/2009	<b>Condition category</b> Other	<input type="checkbox"/> Individual participant data

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

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Dr Irwin Nazareth

**Contact details**  
Department of Primary Care / Population Sciences  
Royal Free Hampstead NHS Trust  
Pond Street  
Hampstead  
London  
United Kingdom  
NW3 2QG  
+44 (0)20 7281 3093  
I.nazareth@ucl.ac.uk

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

## Secondary identifying numbers

PSI02-25

# Study information

## Scientific Title

### Study objectives

1. Evaluate the efficacy of a pharmacy care plan for elderly patients above the age of 75 on four or more medications, discharged from hospital.
2. Assess the views of the hospital and community pharmacist on the service provided.
3. Assess the time taken by the hospital and community pharmacists in developing the pharmacy care plans.

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Not provided at time of registration

### Study design

Randomised controlled trial

### Primary study design

Interventional

### Secondary study design

Randomised controlled trial

### Study setting(s)

Other

### Study type(s)

Other

## Participant information sheet

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

Pharmacy care for the elderly

### Interventions

A pharmacy care plan (PCP), specific to the needs of each patient was designed to co-ordinate and rationalise their medications. The PCP was then sent to all community professionals involved in the care of the patient. All patients were visited twice by a community pharmacist within two weeks of discharge from hospital to ensure that the care plan had been implemented.

### Intervention Type

Other

**Phase**

Not Applicable

**Primary outcome measure**

Patient outcomes: The outcomes measured at 3 and 6 months were:

1. Mortality: total numbers of deaths
2. Morbidity: change in total scores of global well being as measured by the General well being questionnaire
3. Satisfaction with services: changes in total scores of the client satisfaction questionnaire
4. Knowledge of and compliance and hoarding of medication: changes in outcomes derived from the prescribed medicine questionnaire
5. Labelling of prescribed medication and drug interactions: derived from information contained in the prescribed medicine questionnaire
6. Hospital admission and outpatient attendance rates: changes in total numbers
7. General practice attendances and home visits: changes in total numbers

Pharmacist outcomes: The views of all participating hospital and community pharmacists involved in the delivery of the care plans were assessed using a nominal group process and a questionnaire respectively. In addition the time taken to deliver each intervention was assessed using the random bleeper method for the hospital pharmacists and a self report questionnaire for the community pharmacist.

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

01/04/1995

**Completion date**

01/05/1998

**Eligibility****Key inclusion criteria**

Patients living in Camden and Islington, aged over 75 years and taking four or more medicines due to be discharged between June 1995 to March 1997, were recruited to the study. The hospital pharmacists at all four hospitals and the community pharmacists allocated to each patients on discharge also participated in this study.

**Participant type(s)**

Patient

**Age group**

Senior

**Sex**

Both

**Target number of participants**

Not provided at time of registration

**Key exclusion criteria**

Does not match inclusion criteria

**Date of first enrolment**

01/04/1995

**Date of final enrolment**

01/05/1998

**Locations****Countries of recruitment**

England

United Kingdom

**Study participating centre**

Department of Primary Care / Population Sciences

London

United Kingdom

NW3 2QG

**Sponsor information****Organisation**

Record Provided by the NHS R&D 'Time-Limited' National Programme Register - Department of Health (UK)

**Sponsor details**

The Department of Health

Richmond House

79 Whitehall

London

United Kingdom

SW1A 2NL

**Sponsor type**

Government

**Website**

<http://www.doh.gov.uk>

**Funder(s)**

**Funder type**  
Government

**Funder Name**  
NHS Primary and Secondary Care Interface National Research and Development Programme (UK)

## 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?
<a href="#">Results article</a>	results	01/01/2001		Yes	No