

# Patient or carer acceptance of medicine use recommendations by a pharmacist after being discharged from hospital

**Submission date**  
10/07/2022

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
12/07/2022

**Overall study status**  
Completed

☐ Statistical analysis plan

☒ Results

**Last Edited**  
30/03/2023

**Condition category**  
Injury, Occupational Diseases, Poisoning

☐ Individual participant data

## Plain English summary of protocol

### Background and study aims

Inappropriate use of medicines is common, and patients benefit from having their medicines reviewed by an independent third party who is skilled at reviewing medicines. This study aims to explain to patients leaving the hospital, both verbally and in writing, about any issues that an independent third party have with their medicines. Patients will then be encouraged to discuss these issues with their primary physician.

### Who can participate?

Patients in hospital aged 65 years or older

### What does the study involve?

The study involves interviewing participants just before they leave the hospital, preferably in the company of a caregiver, to discuss any issues with their medicines. These discussions will be in plain English, and any recommendations will be made both verbally and in writing. The study team asks that participants make an appointment with their doctor within 2 weeks of leaving the hospital to discuss those issues that concern them. The study team will then contact participants by telephone or visit them to find out the results of the recommendations.

### What are the possible benefits and risks of participating?

Possible benefits are a correction to the use of inappropriate medicines and a reduction in the number of medicines participants take. The study team is unaware of any risks.

### Where is the study run from?

The University of Sydney (Australia)

### When is the study starting and how long will it run for?

From July 2019 until March 2020

### Who is funding the study?

Wolper Jewish Hospital (Australia)

Who is the main contact?

The hospital's clinical pharmacist, who will attach a professional card to the participant's medication list detailing their name and phone number.

## Contact information

### Type(s)

Principal Investigator

### Contact name

Dr Ben Basger

### ORCID ID

<http://orcid.org/0000-0002-7125-4492>

### Contact details

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## Additional identifiers

### EudraCT/CTIS number

Nil known

### IRAS number

### ClinicalTrials.gov number

Nil Known

### Secondary identifying numbers

Nil known

## Study information

### Scientific Title

Uptake of pharmacist recommendations by patients after discharge: Implementation study of a patient-centred medicines review service

### Study objectives

If patients and/or their carers receive medicine management recommendations in ways that are meaningful to them, they are capable of making an informed decision about the recommendation and actioning it.

### Ethics approval required

Old ethics approval format

**Ethics approval(s)**

Approved 17/05/2019, The University of Sydney Human Research Ethics Committee (The University of Sydney, Sydney, NSW, Australia 2005; +61 2 9036 9161; human.ethics@sydney.edu.au), ref: 2019/209

**Study design**

Single centre observational longitudinal cohort study

**Primary study design**

Observational

**Secondary study design**

Cohort study

**Study setting(s)**

Hospital

**Study type(s)**

Quality of life

**Participant information sheet**

See additional files

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

Identification, resolution, and prevention of medicine-related problems in older people

**Interventions**

Inpatients, and their carers where there was cognitive impairment, were recruited to receive a medicines review upon discharge from the hospital. Medicine management recommendations were delivered verbally and in writing in ways that were meaningful to them. Two to four weeks after discharge, they were followed up to record the implementation rate of the recommendations, accomplished through contact with their primary physician for prescription medicines, or by themselves for non-prescription medicines

**Intervention Type**

Behavioural

**Primary outcome measure**

Implementation rate of medicine management recommendations measured using interviews with participants at 2-4 weeks

**Secondary outcome measures**

The number of medicines deprescribed (either reduced in dose or ceased) measured using interviews with participants at 2-4 weeks

**Overall study start date**

01/03/2019

**Completion date**

01/07/2020

## Eligibility

### Key inclusion criteria

1. Inpatients, and a carer for individuals where there is cognitive impairment
2. Aged  $\geq 65$  years

### Participant type(s)

Patient

### Age group

Senior

### Sex

Both

### Target number of participants

100

### Total final enrolment

100

### Key exclusion criteria

Does not meet inclusion criteria.

### Date of first enrolment

01/07/2019

### Date of final enrolment

01/04/2020

## Locations

### Countries of recruitment

Australia

### Study participating centre

Wolper Jewish Hospital

8 Trelawney St

Woollahra

Sydney

Australia

2025

## Sponsor information

**Organisation**

University of Sydney

**Sponsor details**

The University of Sydney

Camperdown

Sydney

Australia

2006

+61 2 8627 8111

human.ethics@sydney.edu.au

**Sponsor type**

University/education

**Website**

www.sydney.edu.au

**ROR**

<https://ror.org/0384j8v12>

**Funder(s)****Funder type**

Hospital/treatment centre

**Funder Name**

Wolper Jewish Hospital

**Results and Publications****Publication and dissemination plan**

A research manuscript will be submitted to BMC Geriatrics for review and consideration for publication.

**Intention to publish date**

10/10/2022

**Individual participant data (IPD) sharing plan**

Current participant level data sharing statement as of 24/01/2023:

Raw data is available upon request from Dr Ben Basger at [ben.basger@sydney.edu.au](mailto:ben.basger@sydney.edu.au). Raw data

consists of an Excel spreadsheet containing deidentified patient gender, age, number of medicines taken, and category of Drug Related Problem identified. Data collection forms and patient consent forms are being held securely in the medical records department of the hospital.

Previous participant level data sharing statement:

Raw data is available upon request from [ben.basger@sydney.edu.au](mailto:ben.basger@sydney.edu.au). Data collection forms and patient consent forms are being held securely in the medical records department of the hospital.

### IPD sharing plan summary

Stored in non-publicly available repository, Available on request

### Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#">Participant information sheet</a>	information for carers version 1	01/02/2019	12/07/2022	No	Yes
<a href="#">Participant information sheet</a>	information for participants version 1	10/01/2019	12/07/2022	No	Yes
<a href="#">Results article</a>		29/03/2023	30/03/2023	Yes	No