ISRCTN21156862 https://doi.org/10.1186/ISRCTN21156862

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

Registration date
12/07/2022

Overall study status
Completed

Last Edited
30/03/2023

Condition category
Injury, Occupational Diseases, Poisoning

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[X] Results
[ ] 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

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Additional identifiers

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

Primary study design
Observational

Study design

Single centre observational longitudinal cohort study

Study type(s)
Quality of life

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

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

Completion date
01/07/2020

Eligibility

Key inclusion criteria
1. Inpatients, and a carer for individuals where there is cognitive impairment
2. Aged ≥65 years

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Senior

Sex
All

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

ROR
https://ror.org/0384j8v12

Funder(s)

Funder type
Hospital/treatment centre

Funder Name
Wolper Jewish Hospital

Results and Publications

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. 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. 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?
Results article		29/03/2023	30/03/2023	Yes	No
Participant information sheet	information for carers version 1	01/02/2019	12/07/2022	No	Yes
Participant information sheet	information for participants version 1	10/01/2019	12/07/2022	No	Yes