

Evaluating mental health decision units in acute care pathways (DECISION): a quasi-experimental and health economic evaluation

Submission date 10/02/2020	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 11/02/2020	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 18/02/2021	Condition category Mental and Behavioural Disorders	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Current plain English summary as of 18/02/2021:

Background and study aims

Many people experiencing a mental health crisis go to A&E and wait a long time for assessment. They may be admitted to a psychiatric ward unnecessarily because of a lack of proper assessment. People not signposted to the most appropriate aftercare might repeatedly attend A&E and be admitted to hospital. New Psychiatric Decision Units (PDUs; also called mental health decision units [MDHUs]) are designed to address this. PDUs are short stay units with a high staff: patient ratio delivering in-depth assessment of individual support, aiming to reduce unnecessary hospital admissions and attendance at A&E, and to improve experiences of crisis care.

The researchers will study four new MDHUs in England in detail. The researchers will use a longitudinal cohort study to examine the changes in crisis care service use by comparing service use in the nine month period leading up to a service user's first stay on a mental health decision unit to the nine months following that stay.

The researchers will also conduct in-depth interviews with service users and with PDU staff and staff who refer to PDUs about experiences of care, assessment and aftercare. Staff will be interviewed once, but service users will be interviewed for a second time, nine months following their stay on the PDU. There are other studies which are connected to this study - these are registered separately and include an interrupted time series and synthetic control study. The DECISION research team includes people who have used mental health services and the research is coproduced.

Who can participate?

There are no eligibility criteria other than capacity to consent and admission to MDHU as this is a naturalistic study and we are interested in understanding who is admitted to MDHUs. Staff participants will be working at an MDHU.

What does the study involve?

For participants taking part in the longitudinal cohort study:

There will be a short questionnaire about your quality of life, and we will ask the local Trusts to let us know how much you have used services, and which services you have used for your mental health in the nine months preceding and following your first admission to the MHDU. We will be in touch after 9 months to ask you to complete the short questionnaire again. Participants are involved in the study for 9 months.

For participants taking part in qualitative interviews for service users:

There will be two in-depth interviews about experiences of crisis care in mental health services. The first interview will be within a fortnight of leaving MHDU and the second will be nine months later. The interview will take about 60-90 minutes to complete. We will audio record the interview.

For staff participants taking part in qualitative interviews:

We will conduct an in-depth interview about your experiences of working in mental health crisis care, your experiences of working in or with the decision unit, and/or your knowledge of the mental health crisis care pathway. The interview will take about 45-60 minutes to complete and will be audio recorded.

As the Covid-19 pandemic occurred during the study period, we will also have a non-pandemic retrospective comparison study. This will include the same sites and have study dates exactly one year prior to the originally planned study.

What are the possible benefits and risks of participating?

It is unlikely that there are any risks in taking part. It is possible that some people may find some of the issues discussed in the interviews sensitive or uncomfortable to talk about. Participants do not have to discuss anything that you find difficult to talk about, and it is OK to not answer any of the questions. If difficult issues come up during the interview participants are free to stop the interview at any point to take a break, rearrange or end the interview, or withdraw from the study. There are no consequences to doing so for participants.

Where is the study run from?

1. St George's, University of London (UK)
2. St George's Hospital (UK)
3. Springfield Hospital (UK)
4. Lincolnshire Partnership NHS Foundation Trust (UK)
5. Lincoln County Hospital (UK)
6. Birmingham and Solihull Mental Health NHS Foundation Trust (UK)
7. Sheffield Health & Social Care NHS Foundation Trust (UK)
8. Royal Hallamshire Hospital (UK)
9. Sandwell General Hospital (UK)

When is the study starting and how long is it expected to run for?

September 2019 to February 2020

Who is funding the study?

National Institute for Health Research (NIHR) (UK)

Who is the main contact?

Dr Lucy Goldsmith
lgoldsmi@sgul.ac.uk

Previous plain English summary:

Background and study aims

Many people experiencing a mental health crisis go to A&E and wait a long time for assessment. They may be admitted to a psychiatric ward unnecessarily because of a lack of proper assessment. People not signposted to the most appropriate aftercare might repeatedly attend A&E and be admitted to hospital. New Psychiatric Decision Units (PDUs; also called mental health decision units [MDHUs]) are designed to address this. PDUs are short stay units with a high staff: patient ratio delivering in-depth assessment of individual support, aiming to reduce unnecessary hospital admissions and attendance at A&E, and to improve experiences of crisis care.

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7. Queen Elizabeth Medical Centre (UK)
8. Sheffield Health & Social Care NHS Foundation Trust (UK)
9. Royal Hallamshire Hospital (UK)
10. Kingston Hospital NHS Foundation Trust (UK)
11. Sandwell General Hospital (UK)

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Who is the main contact?

Dr Lucy Goldsmith
lgoldsmi@sgul.ac.uk

Study website

<https://decisionstudy.org/>

Contact information

Type(s)

Public

Contact name

Dr Lucy Goldsmith

ORCID ID

<http://orcid.org/0000-0002-6934-1925>

Contact details

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number

256406

ClinicalTrials.gov number

Nil known

Secondary identifying numbers

NIHR HS&DR 17/49/70, IRAS 256406

Study information

Scientific Title

Evaluating mental health decision units in acute care pathways (DECISION): a quasi-experimental and health economic evaluation

Acronym

DECISION

Study objectives

The aims of the study are:

1. To establish the effects of psychiatric decision units (also known as mental health decision units) in England on service use outcomes
2. To examine whether psychiatric decision units benefit all people equally
3. To ascertain the staff and service user experiences of these units in order to inform potential national scale-up

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 12/08/2019, NRES Committee: East Midlands – Leicester South Research Ethics Committee (The Old Chapel, Royal Standard Place, Nottingham, NG1 6FS; +44 (0)207 104 8310; NRESCommittee.Eastmidlands-LeicesterSouth@nhs.net), Ref: 19/EM/0226

Study design

Observational longitudinal cohort study with additional qualitative data collection

Primary study design

Observational

Secondary study design

Longitudinal study

Study setting(s)

Hospital

Study type(s)

Treatment

Participant information sheet

Not available in web format, please use contact details to request a participant information sheet.

Health condition(s) or problem(s) studied

Psychiatric crisis / Mental health crisis

Interventions

This is an observational study investigating an intervention which is already part of clinical practice. The intervention is 'mental health decision units' (also known as 'psychiatric decision units'). The longitudinal cohort study examines changes in crisis care service use following the first stay on a psychiatric decision unit, by comparing changes in the pattern and rate of crisis care service use in the nine months preceding and following the first admission to a decision unit. The qualitative study examines both staff and patient experiences of psychiatric decision units.

The researchers will study four new MHDUs in England in detail. The researchers will use a longitudinal cohort study to examine the changes in crisis care service use by comparing service use in the nine-month period leading up to a service user's first stay on a mental health decision unit to the nine months following that stay.

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(added 18/02/2021):

As the Covid-19 pandemic occurred during the study period, we will also have a non-pandemic retrospective comparison study. This will include the same sites and have study dates exactly one year prior to the originally planned study.

Due to the covid-19 pandemic and the new comparison study, data for both cohort studies will be supplied from electronic record searches.

Intervention Type

Mixed

Primary outcome measure

Note: there is a primary outcome for both mental health trusts and acute trusts. For the longitudinal cohort study, these primary outcomes are:

1. Informal admissions (mental health trust) during the study
2. A&E presentations, as measured as liaison psychiatry episodes (acute trust) during the study

Secondary outcome measures

Note: there are a large number of secondary outcomes as mental health decision units (MHDUs) are purported to make a difference to these outcomes; the study will enable these claims to be examined.

Using patient records, during the study period:

1. Inpatient admissions
2. 0-5 day inpatient admissions
3. Average length of inpatient stay (bed days)
4. Compulsory admissions
5. Use of community mental health team (CMHT) and other mental health trust services

Qualitative study:

6. Staff and patient experiences of psychiatric decision units measured using qualitative interviews at the end of the study

Overall study start date

01/03/2019

Completion date

30/11/2020

Eligibility

Key inclusion criteria

For patients:

1. First admission to MHDU
2. Capacity to consent to participate in research.

For staff:

1. MDHU staff

Participant type(s)

Mixed

Age group

Adult

Sex

Both

Target number of participants

Longitudinal cohort study: estimate of throughput to and recruitment from PDUs in a 6 month recruitment period: 1,151; qualitative study: 66.

Total final enrolment

148

Key exclusion criteria

Does not meet inclusion criteria

Date of first enrolment

01/09/2019

Date of final enrolment

29/02/2020

Locations

Countries of recruitment

England

United Kingdom

Study participating centre

St George's University Hospitals NHS Foundation Trust

St George's Hospital

Blackshaw Road

Tooting

London

United Kingdom

SW17 0QT

Study participating centre

South West London and St George's Mental Health NHS Trust

Springfield Hospital

61 Glenburnie Road

London

United Kingdom

SW17 7DJ

Study participating centre

Lincolnshire Partnership NHS Foundation Trust

Unit's 8 & 9

The Point

Lions Way

Sleaford

Lincolnshire

United Kingdom

NG34 8GG

Study participating centre

United Lincolnshire Hospitals NHS Trust

Lincoln County Hospital

Greetwell Road

Lincolnshire
United Kingdom
LN2 4AX

Study participating centre

Birmingham and Solihull Mental Health NHS Foundation Trust

Unit 1
50 Summer Hill Road
Birmingham
United Kingdom
B1 3RB

Study participating centre

Sheffield Health & Social Care NHS Foundation Trust,

Fulwood House
Old Fulwood Rd
Sheffield
United Kingdom
S10 3TH

Study participating centre

Sheffield Teaching Hospitals NHS Foundation Trust

Royal Hallamshire Hospital
Glossop Rd
Sheffield
United Kingdom
S10 2JF

Sponsor information

Organisation

St George's, University of London

Sponsor details

Cramner Road
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London
England
United Kingdom

SW17 0RE
+44 (0)208 266 6866
jmontebe@sgul.ac.uk

Sponsor type

University/education

Website

<http://www.sgul.ac.uk/>

ROR

<https://ror.org/040f08y74>

Funder(s)

Funder type

Government

Funder Name

National Institute for Health Research

Alternative Name(s)

National Institute for Health Research, NIHR Research, NIHRresearch, NIHR - National Institute for Health Research, NIHR (The National Institute for Health and Care Research), NIHR

Funding Body Type

Government organisation

Funding Body Subtype

National government

Location

United Kingdom

Results and Publications

Publication and dissemination plan

Longitudinal Cohort Study Results 01/04/2021

Service user experience: qualitative study 01/04/2021

Staff experience: qualitative study 01/04/2021

Intention to publish date

31/05/2021

Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study will be stored in a non-publically available repository

IPD sharing plan summary

Stored in repository

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
HRA research summary			28/06/2023	No	No