

# The DISCOVER Implementation study

<b>Submission date</b> 21/02/2025	<b>Recruitment status</b> Not yet recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 14/06/2025	<b>Overall study status</b> Ongoing	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 30/05/2025	<b>Condition category</b> Mental and Behavioural Disorders	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

## Plain English summary of protocol

### Background and study aims

The number of young people with mental health problems has been increasing at an alarming rate. This seems to be particularly true of adolescents. However, young people do not use services mainly because of worry about the risk of stigma. Even if they do try and get help, the capacity of services is a problem and services tend to prioritise those with the most severe problems. There is an urgent need to deal with this problem.

In the recently completed 'BESST' trial, researchers measured the effectiveness and costs of a brief accessible stress workshop (for up to 15 students) called DISCOVER. They also interviewed students and staff running the workshops. The workshops were run by a new professional group of NHS clinicians who work in schools called mental health support teams (MHSTs). This trial recruited 900 students from 57 schools in four regions in England. It was a well-designed trial and we tried to make sure that research staff did not know which students had received the workshop or else that could bias the results.

The workshops led to reduced depressive symptoms after 6 months. With students with high depression scores at the beginning, the researchers found even stronger effectiveness and cost-effectiveness results. Interviews with students and staff also supported these findings. The trial engaged 80% who had not previously sought help and a diverse group of students with 48% from different ethnic groups.

This proposed study aims to answer the question of how best to implement this intervention that has been offered by a specialist DISCOVER service in normal NHS services in a non-trial environment. Some issues arose from the trial results which appear relevant to how we might implement the workshops in the NHS. Firstly, the two clinical and trial follow-up systems for students need to be made more consistent. Secondly, training and support for MHST staff for the DISCOVER workshops could be made more economical for the NHS. Finally, as schools had been recruited by the research team in the trial, the researchers want to see how schools could be recruited in normal NHS services without the involvement of a research team.

In this new study, the researchers want to know how they can deliver the DISCOVER workshops in a way that can be maintained over time, provide good value for money for the NHS in normal services, and also be as effective as in the trial. They want to understand what may help, as well as make it difficult, to roll out these workshops across England. With this information, they can then provide guidance to new sites in England about how the DISCOVER workshops can be run in 6th forms in the future.

In this study, there will be five work streams.

1. First, the researchers will be developing a system of recording clinical and cost outcomes.

They will be doing this with the help of young people in the PPI group.

2. The researchers will be running DISCOVER workshops in three sites that were part of the BESST trial (sustaining sites) and three new (scaling up) sites to see if similar outcomes can be achieved in the new non-trial NHS environments and how best we can support these sites to run the workshops.

3. The researchers want to systematically understand the factors that may help the way the workshops can be implemented using the CFIR implementation framework.

4. The researchers will measure the cost-effectiveness of the revised DISCOVER model in the general population of 16-18-year-old students.

5. The researchers will pull together the findings into a DISCOVER workshop implementation guide for sites.

Who can participate?

Students: 16-18 year olds in participating schools in six regions (London, Midlands, North West, North East, Kent and South West) will be invited to self-refer to the DISCOVER workshops

MHST clinicians: six teams of MHST clinicians in those six areas (London, Midlands, North West, North East, Kent and South West) will offer the workshops to the students; they will be asked for their views about implementing the intervention

University HEI staff: three teams of university staff (Exeter, Northumbria, London) will be trained to offer training to the clinicians to deliver the workshops. They will be asked for their views about implementing the training

What does the study involve?

Students:

1. It will involve deciding to refer themselves to a DISCOVER stress workshop if they would like to attend

2. Deciding to give consent to take part in study

3. Completing assessment forms on a digital device called POD at the start

4. Meeting with a member of staff to plan goals

5. Attending the day-long workshop

6. Responding to a text after the workshop to see how they have got on

7. Completing assessments at the 3-month follow-up and the 6-month follow-up

MHST Clinicians:

They are trained to offer DISCOVER workshops to 16-18 year olds in their areas. They will be asked for their views about offering the workshops.

University HEI staff:

They will be trained to offer the training (train the trainers' programme) so that they can deliver the training to the clinicians. They will be asked for their views about the training.

What are the possible benefits and risks of participating?

Students: The benefits are that the student could benefit from attending the workshop, finding they are not alone, finding the methods useful and feel better at 3 and 6 months. The risks may involve not liking the methods taught, not feeling comfortable in the group of up to 15, not finding the methods useful.

MHST Clinicians: The benefits are they will feel empowered to offer the workshops. The risks are that they may feel discouraged by all the work involved in running the workshops

University HEI staff: Benefits: They will feel empowered as this is one of the few evidence-based interventions for 16-18-year-olds. Risks: they will feel confused and discouraged by the train the trainers programme and when they train the MHSTs.

Where is the study run from?

King's College London (UK)

When is the study starting and how long is it expected to run for?  
April 2024 to March 2028

Who is funding the study?  
NIHR Health and Social Care Delivery Research (HSDR) (UK)

Who is the main contact?  
1. Dr June Brown, [june.brown@kcl.ac.uk](mailto:june.brown@kcl.ac.uk)  
2. Dr Jenny Shand, [j.shand@ucl.ac.uk](mailto:j.shand@ucl.ac.uk)

## Contact information

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Public, Scientific, Principal Investigator

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## Additional identifiers

**EudraCT/CTIS number**

Nil known

**IRAS number****ClinicalTrials.gov number**

Nil known

**Secondary identifying numbers**

NIHR165421

## **Study information**

**Scientific Title**

The DISCOVER implementation study: Investigating the sustainability and scale-up of a school-based intervention to improve the mental wellbeing of 16-18-year-olds across six regions in England

**Acronym**

DI study

**Study objectives**

What are the factors that help or hinder the implementation of the DISCOVER intervention in a sustainable, cost-effective way outside of a trial environment in the NHS, whilst achieving the clinical outcomes observed within the trial environment?

**Ethics approval required**

Ethics approval required

**Ethics approval(s)**

Not yet submitted, Kings College London ethics committee (Room 4.16, Franklin Wilkins Building, Waterloo Bridge Wing, Stamford Street, London, SE1 9NH, United Kingdom; +44 (0)207 848 4077; rec@kcl.ac.uk), ref: Reference number not provided

**Study design**

Aims:

1. To provide a theoretically informed assessment of the factors influencing successful and sustained implementation of DISCOVER in routine practice in secondary schools.
2. To publish evidence-based recommendations, guidance and toolkits to support future implementation of DISCOVER across the secondary education sector.

**Primary study design**

Interventional

**Secondary study design**

Implementation study

**Study setting(s)**

Community, School

**Study type(s)**

Quality of life, Treatment

**Participant information sheet**

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

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

Depression and anxiety among students

**Interventions**

DISCOVER uses an accessible self-referral group workshop model adapted for adolescents. The co-design programme in collaboration with 16-18-year-olds, aims to improve engagement, maintain motivation and reduce relapse.

There are three stages:

1. Pre-workshop 1:1 meetings for goal setting
2. In-person workshop (up to 15 students): CBT-informed model addressing the personal, relationship, and academic stresses typical for the age group. CBT techniques, behavioural (e.g., sleep) and cognitive strategies (e.g., negative thoughts) are taught and practised
3. After 1 week, up to three follow-up phone calls for 1:1 goal reviews

**Intervention Type**

Behavioural

**Primary outcome measure**

Depression assessed using the Mood and Feelings Questionnaire (MFQ) at 6 months follow-up

**Secondary outcome measures**

Anxiety assessed using the Revised Children's Anxiety and Depression Scale (RCADS) at 6 months follow-up

**Overall study start date**

09/04/2024

**Completion date**

31/03/2028

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

1. Aged between 16 and 18 years
2. Attending school or college
3. Sufficient English to complete assessment
4. Seeking psychological help for stress
5. Able to attend the DISCOVER workshop on school premises

**Participant type(s)**

Learner/student

**Age group**

Child

**Lower age limit**

16 Years

**Upper age limit**

18 Years

**Sex**

Both

**Target number of participants**

288-360

**Key exclusion criteria**

1. Identified as actively suicidal (through risk assessment)
2. Current involvement with Child and Adolescent Mental Health Services
3. Severe learning difficulties or psychosis

**Date of first enrolment**

01/10/2025

**Date of final enrolment**

31/03/2027

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

England

United Kingdom

**Study participating centre****King's College London**

Psychology Department (PO77)

Institute of Psychiatry, Psychology and Neuroscience

De Crespigny Park

London

United Kingdom

SE5 8AF

**Study participating centre****Anna Freud Centre (Manchester)**

Huckletree Ancoats

The Express Building

9 Great Ancoats Street

Manchester  
United Kingdom  
M4 5AD

**Study participating centre**

**University of Bath**

Claverton Down  
Bath  
United Kingdom  
BA2 7AY

**Study participating centre**

**University of Northampton**

Psychology  
LH301  
Waterside Campus  
University Drive  
Northampton  
United Kingdom  
NN1 5PH

**Study participating centre**

**University of Newcastle**

Population Health Sciences Institute  
Baddiley Clark Building  
Richardson Road  
University of Newcastle upon Tyne  
Newcastle  
United Kingdom  
NE2 4AX

**Study participating centre**

**Kent Mental Health teams**

Vinters Business Park  
Maidstone Studios  
New Cut Road  
Maidstone  
United Kingdom  
ME14 5NZ

**Sponsor information**

**Organisation**

King's College London

**Sponsor details**

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**Sponsor type**

University/education

**Website**

<http://www.kcl.ac.uk/index.aspx>

**ROR**

<https://ror.org/0220mzb33>

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

Government

**Funder Name**

National Institute for Health and Care 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**

Planned publications in peer-reviewed journals

## **Intention to publish date**

31/03/2029

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

Data will be available on request from Dr June Brown (June.brown@kcl.ac.uk)

## **IPD sharing plan summary**

Available on request