

Randomised controlled trial of a school-based intervention to improve the mental health of low-income, secondary school students in Santiago, Chile

Submission date 07/11/2010	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 10/11/2010	Overall study status Completed	☒ Protocol
Last Edited 04/09/2013	Condition category Mental and Behavioural Disorders	☐ Statistical analysis plan
		☒ Results
		☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

Protocol serial number

082584; Version 3

Study information

Scientific Title

Cluster randomised controlled trial of a school-based intervention to improve the mental health of low-income, secondary school students in Santiago, Chile

Acronym

YPSA

Study objectives

1. Students receiving the intervention will achieve lower scores (difference in mean of at least 0.4 standard deviations) in the depressive questionnaire in comparison to the control group 3 months after completing the course
2. Symptomatic improvements achieved at 3 months will be maintained until the final assessment 12 months after completing the course
3. The intervention will be more effective at 3 and 12 months follow up among students with higher depression scores at baseline
4. Students receiving the intervention will show greater reductions in negative thoughts and improvements in problems solving skills than those in the control group

Ethics approval required

Old ethics approval format

Ethics approval(s)

Hospital Clinico Universidad de Chile Ethics Board approved on the 30th June 2008 (ref: 178)

Study design

Cluster randomised controlled trial

Primary study design

Interventional

Study type(s)

Quality of life

Health condition(s) or problem(s) studied

Depression

Interventions

Intervention:

The intervention will be based on a CBT model delivered to all students in the class during school hours. The programme consists of 11 weekly and 3 booster group sessions each lasting one hour. There is an introductory session, 5 sessions dealing with thought re-structuring, 1 session related to identifying emotions, 3 with problem solving and 1 closing session with a revision of the learning and planning for the future.

Eight trios of trained research workers (psychologists, teachers, social workers, and others) deliver the intervention. These workers will have a detailed manual specifying key learning points and objectives for each session and students will receive a similar but shortened workbook. Methods include didactic sessions; small group and class interactive exercises.

Three additional booster sessions will be delivered at 2, 7, and 9 months after the intervention is completed. Teachers assist with the discipline of the class in special circumstances. Facilitators receive five days of training which cover the identification and management of mental health

concerns, group management techniques as well as training to deliver the specific intervention. The intervention is fully manualised. During the course weekly supervision groups will be provided for facilitators.

Control:

The control group will receive nothing other than the normal teaching activities and assessments. At present all classes receive one curricular hour weekly for counselling delivered by their head-teachers. We will advise teachers to put more emphasis on emotional problems for 12 weeks giving more and better information, allowing students to exchange experiences and provide mutual support. If the active intervention proves to be more effective, we will implement the course in all control schools after completion of the trial.

Duration of course: 3 months plus 3 booster sessions in the following 18 months

Duration of follow up: 3 and 12 months after completing intervention

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Beck Depression Inventory at 3 months after completing intervention

Key secondary outcome(s))

1. Revised Child Anxiety and Depression Scale (RCADS). We will exclude the depression and separation anxiety sub-scales because these are either covered by other scales or irrelevant to students of this age.
2. School records of academic performance: we will only use grades obtained through formal testing because these are standardised across schools

Completion date

31/07/2011

Eligibility

Key inclusion criteria

All students will be invited to participate (ages 13 - 15 years, either sex)

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Child

Lower age limit

13 years

Upper age limit

15 years

Sex

All

Key exclusion criteria

Students in either trial arm with severe depressive episodes, according to Beck Depression Inventory (BDI-II) baseline assessment, but with no marked suicidal ideation will be invited to attend but also encouraged to seek professional advice. Students with marked suicidal ideation at baseline in either group will be referred for a clinical assessment in their primary care clinic. Students admitted to hospital for mental health reasons during the trial and those with serious alcohol/drug use will be advised to continue with their prescribed treatment and in case of doubt will be referred for a clinical assessment.

Date of first enrolment

01/04/2009

Date of final enrolment

31/07/2011

Locations**Countries of recruitment**

United Kingdom

England

Chile

Study participating centre

Cotham House

Bristol

United Kingdom

BS6 6JL

Sponsor information**Organisation**

University of Bristol (UK)

ROR

<https://ror.org/0524sp257>

Funder(s)

Funder type

Charity

Funder Name

The Wellcome Trust (UK) (grant ref: 082584)

Results and Publications

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?
Results article	results	01/11/2013		Yes	No
Protocol article	protocol	19/02/2011		Yes	No