

Adolescent substance use prevention

Submission date 01/02/2015	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 10/02/2015	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 04/12/2015	Condition category Mental and Behavioural Disorders	☐ Individual participant data

Plain English summary of protocol

Background and study aims

Students begin experimenting with tobacco and alcohol between 11 and 15 years of age. However, there are no data for 11–15-year-old students with intellectual disabilities. Prevention programmes, like Prepared on time, are successful, but their efficacy has not been studied in students with intellectual disabilities. Prepared on time, based on the ASE model, can be used in the fifth and sixth grades of primary schools. The aim in this study is to examine the tobacco and alcohol use among first and second grade students in special needs secondary schools and to undertake a preliminary study to test the e-learning programme in this population.

Who can participate?

Adolescents with intellectual disabilities

What does the study involve?

Five schools will be randomly assigned to two groups, experimental or control. In the first week, children in both the experimental and control groups will be asked to complete a questionnaire. Two weeks after completing the first questionnaire, participants in the experimental group will be enrolled in the programme. Three weeks after working with the programme, both groups will complete a follow-up questionnaire.

What are the possible benefits and risks of participating?

There are no known benefits or risks to participants taking part in this study.

Where is the study run from?

Five special education schools in the Netherlands: OSG Erasmus – Praktijkonderwijs, Bonhoeffer Praktijk Locatie Vlierstraat, Thomas a Kempis College, Praktijkonderwijs Zutphen and De Maat Ommen.

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

From January 2010 to January 2011

Who is funding the study?

Aveleijn Intellectual Disabilities Services (Netherlands)

Who is the main contact?
Ms Marion Kiewik

Contact information

Type(s)
Scientific

Contact name
Dr Cor de Jong

ORCID ID
<https://orcid.org/0000-0002-2802-6910>

Contact details
Radboud Universiteit Nijmegen/ACSW
NISPA
Postbus 6909
Nijmegen
Netherlands
6503 GK

Type(s)
Public

Contact name
Ms Marion Kiewik

Contact details
Grotestraat 260
Borne
Netherlands
7622 GW

Additional identifiers

Study information

Scientific Title
Substance use prevention programme in special education schools: a cluster randomised control trial

Study objectives

1. We assume a high lifetime prevalence of tobacco and alcohol use among adolescents with intellectual disabilities in the Netherlands.
2. We assume that the programme Prepared on time will increase smoking and drinking

knowledge of students with intellectual disabilities. Furthermore, we assume that Prepared on time will influence behavioural determinants, based on the attitude-social influence-efficacy (ASE) model. This programme was originally used in the fifth and sixth grades of primary schools.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Boards of the participating schools; approval date and reference not provided at time of registration

Primary study design

Interventional

Study design

Cluster randomised controlled trial

Study type(s)

Prevention

Health condition(s) or problem(s) studied

Adolescents with mild intellectual disabilities, attending special secondary needs schools

Interventions

1. This study is a cluster randomised controlled trial among 210 students with a borderline or mild intellectual disabilities to avoid contamination between classes
2. An invitation letter will be sent to eight schools. Five participating schools, comprising 254 students will be divided into 20 classes. For pragmatic reasons, these schools will be randomly assigned to one of two groups, experimental or control, to create comparable and nearly equally sized groups, initially resulting in 111 students in the experimental group and 143 students in the control group.
3. In the first week, both groups will be asked to complete a questionnaire.
4. Two weeks after completing the first questionnaire, participants in the experimental group will be enrolled in the programme.
5. Three weeks after working with the programme, both groups will complete a follow-up questionnaire.

Intervention Type

Behavioural

Primary outcome(s)

1. Alcohol use (lifetime prevalence and onset): students will be asked to indicate retrospectively how many standard units they consume during one drinking occasion.
2. Tobacco use (lifetime prevalence and onset).

Both outcomes will be measured with a self-report questionnaire at baseline. Furthermore, basic sociodemographic information will be available through a teacher-reported and student-reported questionnaire at baseline. Behavioural determinants (alcohol and tobacco knowledge; attitude; self-efficacy; intention; subjective norm) will be measured at baseline and 3 weeks after working with the programme (follow-up questionnaire).

Key secondary outcome(s)

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Completion date

01/01/2011

Eligibility**Key inclusion criteria**

1. Age 11–16 years old
2. Attending Dutch Special needs school, first or second grade
3. Intelligence quotient levels of between 50 and 85 according to the International Statistical Classification of Diseases and Related Health Problems 10th Revision
4. Sufficient communication skills and ability to respond using Likert Scale categories

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Child

Lower age limit

11 Years

Upper age limit

16 Years

Sex

All

Key exclusion criteria

Not meeting the inclusion criteria

Date of first enrolment

01/03/2010

Date of final enrolment

01/07/2010

Locations**Countries of recruitment**

Netherlands

Study participating centre

OSG Erasmus - Praktijkonderwijs

Horstlaan 1
Almelo
Netherlands
7602 AM

Study participating centre**Bonhoeffer Praktijk Locatie Vlierstraat**

Vlierstraat 75
Enschede
Netherlands
7544 GG

Study participating centre**Thomas a Kempis College**

Palestrinalaan 915
Zwolle
Netherlands
8031 VA

Study participating centre**Praktijkonderwijs Zutphen**

Paulus Potterstraat 12A
Zutphen
Netherlands
7204 CV

Study participating centre**De Maat Ommen**

Baron van Fridaghstraat 137
Ommen
Netherlands
7731 DL

Sponsor information**Organisation**

Aveleijn

ROR

<https://ror.org/03krr1g45>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Aveleijn Intellectual Disabilities Services (Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/03/2016		Yes	No