

A Randomized Controlled Trial to Test the Effectiveness and Mechanisms of Change of a Video Game targeting Inhibitory Control in a Social Context among Smokers.

No registrations found.

Ethical review	Not applicable
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON20537

Source

NTR

Health condition

Smoking, Adolescents, Young Adults, Response Inhibition, Go/No-Go Training, Social Context, Video Games

Sponsors and support

Primary sponsor: Radboud University, Behavioural Science Institute

Source(s) of monetary or material Support: Radboud University, Behavioural Science Institute

Intervention

Outcome measures

Primary outcome

Smoking: number of cigarettes per week / number of cigarettes per day

Secondary outcome

Inhibitory control:

1. Go/No-Go Task (behavioral and electrophysiological data)

Smoking cue-reactivity:

1. Viewing task (electrophysiological data)
2. Evaluation of pictures in training (behavioral data)

Study description

Background summary

In this randomized controlled trial the effects of a video game targeting inhibitory control in a social context will be tested in a Dutch sample of adolescent- and young adult smokers. Smokers who are motivated to quit are randomly assigned to one of two conditions. The intervention condition (video game) will consist of multiple short play sessions on a mobile phone of 2-3 minutes at home. The control condition (treatment-as-usual) will receive a self-help brochure by The Trimbos Institute containing information about strategies for initiation and maintenance of cessation. Measurements of primary and secondary outcomes will be conducted in both conditions at baseline, immediately following the intervention in laboratory visits. Primary outcomes will be conducted at 3-month follow-up as well.

Study objective

The effects of a video game targeting inhibitory control in a social context will be tested in a Dutch sample of adolescent- and young adult smokers (between the ages of 16 and 26). It is expected that the adolescents and young adults who receive the video game targeting inhibitory control in a social context will show smoke less cigarettes a week at post-test and follow-up, compared to the control group.

Study design

1. Screening

2. Pre-treatment: all primary and secondary outcomes (approximately one week before first session);
3. Post-treatment: all primary and secondary outcomes (approximately one week after last session);
4. Follow-up: only primary outcome (3- month)

Intervention

Adolescent- and young adult smokers who are motivated to quit are randomly assigned to one of two conditions. The intervention condition will receive a video game targeting inhibitory control in a social context, which is a Go-NoGo training transformed into a video game format. There will be multiple play sessions at a mobile phone of 2-3 minutes at home. Participants will be beeped approximately once a day to play, but they are also instructed to play the game when they feel the urge to smoke or when they want to. The control condition (treatment-as-usual) will receive a self-help brochure by the Trimbos Institute to take home. This brochure, containing information about strategies for initiation and maintenance of cessation, can be considered standard treatment in the Netherlands.

Contacts

Public

Postbus 9104
6500 HE Nijmegen

H. Scholten
Nijmegen 6500 HE
The Netherlands
+31 (0)24 3612551

Scientific

Postbus 9104
6500 HE Nijmegen

H. Scholten
Nijmegen 6500 HE
The Netherlands
+31 (0)24 3612551

Eligibility criteria

Inclusion criteria

Adolescents and young adults who are 1) between 16 and 26 years of age; 2) at least weekly smokers; 3) motivated to quit; and 4) willing to sign informed consent.

Exclusion criteria

Adolescents and young adults who 1) use (psychoactive) medication or 2) are in current treatment of psychiatric disorder.

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	13-09-2017
Enrollment:	144
Type:	Anticipated

Ethics review

Not applicable	
Application type:	Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register ID

NTR-new NL6517

NTR-old NTR6706

Other Ethics committee of the Faculty of Social Sciences of the Radboud University :
ECSW2017-1303-487

Study results

Summary results

N/A