

# An experimental study to test the effects of training inhibitory control among young adults smokers.

Gepubliceerd: 25-01-2016 Laatste bijgewerkt: 18-08-2022

The effects of a game-based inhibition training will be tested in a Dutch sample of young adult smokers. It is expected that the young adults who receive the inhibition video game will show higher levels of inhibitory control at post-test, compared...

|                             |                          |
|-----------------------------|--------------------------|
| <b>Ethische beoordeling</b> | Niet van toepassing      |
| <b>Status</b>               | Werving nog niet gestart |
| <b>Type aandoening</b>      | -                        |
| <b>Onderzoekstype</b>       | Interventie onderzoek    |

## Samenvatting

### ID

NL-OMON22333

### Bron

NTR

### Aandoening

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

Roken, Jongvolwassenen, Inhibitie controle, Go/No-Go training, Video games

### Ondersteuning

**Primaire sponsor:** Behavioural Science Institute, Radboud University

**Overige ondersteuning:** Behavioural Science Institute, Radboud University

### Onderzoeksproduct en/of interventie

### Uitkomstmaten

#### Primaire uitkomstmaten

Inhibitory control:<br>

1. Go/No-Go Task. <br>
2. Stop Signal Task (SST)

## Toelichting onderzoek

### Achtergrond van het onderzoek

In this experimental study the effects of a game-based inhibition training will be tested in a Dutch sample of young adults smokers. Smokers who are motivated to quit are randomly assigned to one of two conditions. The intervention condition (inhibition video game) will consist of 5 play sessions of 6-10 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, and immediately following the intervention in laboratory visits.

### Doel van het onderzoek

The effects of a game-based inhibition training will be tested in a Dutch sample of young adult smokers. It is expected that the young adults who receive the inhibition video game will show higher levels of inhibitory control at post-test, compared to the control group.

### Onderzoeksopzet

1. Screening
2. Pre-treatment: all primary and secondary outcomes (one week before first session);
3. Post-treatment: all primary and secondary outcomes (one week after last session);

### Onderzoeksproduct en/of interventie

Young adult smokers who are motivated to quit are randomly assigned to one of two conditions. The intervention condition will receive an inhibition video game, which is a Go-NoGo training transformed into a video game format. There will be 5 weekly play sessions of 6-10 minutes at home. 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.

## Contactpersonen

### Publiek

Postbus 9104  
6500 HE Nijmegen

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

### Wetenschappelijk

Postbus 9104  
6500 HE Nijmegen

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

## Deelname eisen

### Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

Young adults who are 1) 18 years or older; 2) at least weekly smokers; 3) motivated to quit; and 4) willing to sign informed consent.

### Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

Young adults who are 1) currently in psychosocial care; 2) taking psychotropic drugs

## Onderzoeksopzet

### Opzet

|                  |                         |
|------------------|-------------------------|
| Type:            | Interventie onderzoek   |
| Onderzoeksmodel: | Parallel                |
| Toewijzing:      | Gerandomiseerd          |
| Blinding:        | Open / niet geblindeerd |
| Controle:        | Geneesmiddel            |

### Deelname

|                         |                          |
|-------------------------|--------------------------|
| Nederland               |                          |
| Status:                 | Werving nog niet gestart |
| (Verwachte) startdatum: | 27-01-2016               |
| Aantal proefpersonen:   | 100                      |
| Type:                   | Verwachte startdatum     |

## Ethische beoordeling

|                     |                     |
|---------------------|---------------------|
| Niet van toepassing |                     |
| Soort:              | Niet van toepassing |

## Registraties

### Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

### Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

## In overige registers

| Register       | ID                                                                                                        |
|----------------|-----------------------------------------------------------------------------------------------------------|
| NTR-new        | NL5559                                                                                                    |
| NTR-old        | NTR5680                                                                                                   |
| Ander register | Ethics committee of the Faculty of Social Sciences of the Radboud University Nijmegen : ECSW2015-2206-318 |

## Resultaten

### Samenvatting resultaten

N/A