

# Smart registration of fluid intake with the 'Smart Mug'

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Recruiting
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON25903

### Source

NTR

### Health condition

frail elderly, dehydration, nursing home residents,  
kwetsbare ouderen, dehydratie, vochttekort, uitdroging, verpleeghuis

## Sponsors and support

**Primary sponsor:** Meetpunt (EIZT/Zuyd Hogeschool)

**Source(s) of monetary or material Support:** Limburg Economic Development (LED): MKB meets Healthcare nr Z12887

## Intervention

## Outcome measures

### Primary outcome

Validity study: The amount of fluid intake (measured by means of the amount of fluid left over in the mug (ml) and the amount of fluid drank by an elderly by observation (approximated ml)), compared to the fluid intake and left over measurement by the 'Smart Mug' itself.

Feasibility/usability study, topics: overall impression, ease of use, acceptance and usability in

daily life (by interviews and PSSUQ questionnaire).

### **Secondary outcome**

Age, gender, index disease (if applicable), comorbidity (if applicable) and special occasion such as tipping over the 'Smart Mug' (by observation).

## **Study description**

### **Study objective**

The hypothesis is an average - good validity with a minimum value of  $r=0.5$ .

The second hypothesis is a positive subjective feasibility/usability of the 'Smart Mug'.

### **Study design**

two consecutive days, with the observations, interviews and questionnaire on the same days

### **Intervention**

Phase 1: elderly will drink from the 'Smart Mug' 5 times a day for one day, based on regular drinking moments in the nursing home residence.

Phase 2: elderly will drink from the 'Smart Mug' voluntary during a period of 24 hours.

## **Contacts**

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## Eligibility criteria

### Inclusion criteria

Capable to drink from the 'Smart Mug' without assistance;

Motivated to participate in the study.

### Exclusion criteria

Elderly with a cognitive impairment (based on the treating general practitioners' opinion).

## Study design

### Design

Study type:	Observational non invasive
Intervention model:	Other
Masking:	Open (masking not used)
Control:	N/A , unknown

### Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	09-05-2016
Enrollment:	20
Type:	Anticipated

## Ethics review

Positive opinion

Date: 23-05-2016

Application type: First submission

## 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	NL5715
NTR-old	NTR5868
Other	: MEC 16-N-15

## Study results