Pilot to examine the feasibility of collecting biomarkers in the Longitudinal Internet panel study for the Social Sciences (LISS)

Published: 04-06-2008
Last updated: 07-05-2024

To assess the feasibility of collecting data on blood cholesterol, salivary cortisol and waist circumference in the Dutch Longitudinal Internet panel study for the Social Sciences (LISS) through self-collection methods.

Ethical review	Approved WMO
Status	Recruiting
Health condition type	Other condition
Study type	Observational invasive

Summary

ID

NL-OMON31590

Source
ToetsingOnline

Brief title
LISS Biomarker pilot

Condition

- Other condition

Synonym
niet van toepassing

Health condition

de studie focust op risico factoren, namelijk cholestrol, cortisol en buikomvang, en niet op specifieke ziekten.

Research involving
Human

Sponsors and support

Primary sponsor: Erasmus MC, Universitair Medisch Centrum Rotterdam
Source(s) of monetary or material Support: NWO

Intervention

Keyword: Biomarkers, Health, Internet survey, Socioeconomic

Outcome measures

Primary outcome

The primary outcome is the participations rate of this pilot.

Secondary outcome

The collected data on blood cholesterol, saliva cortisol and waist

circumference will be checked whether these fit the normal ranges, to evaluate

the overall quality of the data.

Study description

Background summary

Biomarkers are objectively measured characteristics evaluated as indicators of normal biological processes, pathogenic processes or pharmacological responses. Biomarker data offer valuable information on the health of respondents and the biological processes that underlie the association between social factors and health. It has not been established whether collecting biomarkers via self-collection methods is feasible in an internet panel study.

Study objective

To assess the feasibility of collecting data on blood cholesterol, salivary cortisol and waist circumference in the Dutch Longitudinal Internet panel study for the Social Sciences (LISS) through self-collection methods.

Study design

MESS (Measurement and Experimentation in the Social Sciences) is an advanced data collection environment, which aims to identify cost-effective, prompt, and easily applicable techniques of collecting data for research in the social sciences. The core of the project is the LISS panel study, a survey conducted in a representative sample of households of the Dutch population who agreed to be interviewed on a regular basis via the Internet. The LISS panel is a multi-disciplinary longitudinal observational study that aims to examine the interrelations among different life dimensions, including: Socioeconomic status, preferences, attitudes, social networks, physical and mental health, well-being, and expectations about the future.

The biomarker pilot study for which permission is been requested will be performed in the LISS panel, using the advanced data collection environment developed by the MESS project. Three small sub-pilot studies will be performed to examine three key parameters at a single point in time: Blood cholesterol, salivary cortisol and waist circumference. Assessment of each of these parameters will be performed separately in three sub-samples of the LISS panel main sample, each of 200 participants. In total, 600 participants (5.7%) out of the main LISS panel sample will be invited to participate in one of the measurements.

Study burden and risks

There are no known adverse effects associated with this study. Participants will be asked to perform one of the following measurements at home: (a) a blood cholesterol measure using a CE-certified device for home self-collection. Risks involved are minimal and refer to the pricking of the finger and possible related stress. (b) Five saliva samples in a single day using a salivette (plastic tube with a cotton roll that participants must chew); there are no known risks associated with this measurement. (c) A waist circumference measure using a tape particularly designed for self-collection. There are no known risks associated with this measurement.

Contacts

Public
Erasmus MC, Universitair Medisch Centrum Rotterdam

3000 CA
Rotterdam
Nederland
Scientific

Erasmus MC, Universitair Medisch Centrum Rotterdam

3000 CA
Rotterdam
Nederland

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

The proposed project will be conducted in a sub-sample of apparently healthy subjects who are 18 years of age or older, and who have been recruited and have agreed to participate in the LISS Internet Panel Study.

Exclusion criteria

Individuals aged less than 18 years will be excluded from this study. Furthermore, participants who have haemophilia or who are currently using antiplatelets will be excluded from the blood cholesterol sub-pilot study, because the measurement device is not appropriate for these subjects. There are no other exclusion criteria for the waist circumference and salivary cortisol sub-studies.

Study design

Design

Study type: Observational invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Basic science

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-10-2008
Enrollment:	600
Type:	Actual

Ethics review

Approved WMO

Date:	04-06-2008
Application type:	First submission
Review commission:	METC Erasmus MC, Universitair Medisch Centrum Rotterdam (Rotterdam)

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
CCMO	NL21289.078.08