Identification of stressors and de-stressors in employees working from home during COVID-19

No registrations found.

Ethical review	Not applicable
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON24132

Source
NTR

Brief title
TBA

Health condition

None

Sponsors and support

Primary sponsor: Stichting imec Nederland
Source(s) of monetary or material Support: Cigna

Intervention

Outcome measures

Primary outcome

Determine stressors and de-stressors in employees working from home

Secondary outcome

Verify and optimize current stress models towards consumer-grade sensors

Study description

Background summary

This is a low risk, observational study. All subjects will be equipped with a wrist-worn consumer wearable that continuously measures physiological signals (i.e. HR, movements, sleep) together with an accompanying app installed on the participant's phone. The study will take 7 consecutive days per subject. Subjects will be asked to install another app on their smartphone that prompts short questionnaires 5 times a day at predetermined times. These questionnaires measure subjective experiences and work situations. Subjects can follow their normal daily routines. An additional pre- and post-experiment questionnaire will focus on general subject characteristics and their opinions on the study.

Study objective

Stress can be detected based on physiological parameters and self-reports

Study design

The device will be worn for 7 days, questionnaires will be prompted 5 times a day with an additional questionnaire before and after the measurement week

Intervention

Daily questionnaires and continuously wearing a consumer wrist-worn sensor

Contacts

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Eligibility criteria

Inclusion criteria

- Subjects between 18 and 65 years old
- Subjects working for at least 4 days during the 7 days in total, from which at least 3 days are spend working from home. Each workday must consist of at least 6 hours a day
- Subjects are working/residing in the United States during the measurements
- Subjects capable of wearing a wrist-worn tracker on one of their wrists
- Subjects must have a smartphone newer than 2014 that runs iOs 11+ or Android 7.0+ which is continuously available to them during the whole duration of the experiment.
- Subjects must be capable of using a smartphone app
- Subjects must have English working proficiency.

Exclusion criteria

- Subjects being incapable (for whatever reason) to properly read/understand/sign the informed consent and subject information.
- Subjects with known atherosclerosis and/or cardiovascular impairments.
- Subjects with a known medical condition that will increase risk of infections due to the electrodes like for example wounds on hand and arm or skin allergies.
- Subjects with a known allergy to silicone.
- Subjects wearing any other measuring device which cannot be removed (i.e. Holter monitor).
- Patients with known sensitivity to light or using medication with phototoxic side ef-fects (i.e. Tetracycline, Doxycycline, Phenothiazines, Dacarbazine, Ketoprofen, Lomefloxacin). This is in order to exclude the possibility of local skin irritation from prolonged irradiation by LED-light (from the wearable on the wrist).
- Women known to be pregnant.
- Subjects with any implanted active device (i.e.,. device containing a battery), such as a pacemaker.
- Subjects with epilepsy or known sensitivity to bright light
- Subjects with known nervous system disorders.
- Subjects with known mental disorders
- Subjects in therapy or taking medication for psychiatric disorders

Study design

Design

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

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	24-03-2021
Enrollment:	200
Type:	Anticipated

IPD sharing statement

Plan to share IPD: Undecided

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	NL9378
Other	WCG IRB : 20210874

Study results