TNO post-COVID monitoring app for daily monitoring of symptoms, triggers and activities

Published: 09-07-2024
Last updated: 31-12-2024

With this study we want to test the user experience of the prototype app and to develop a method to identify subtypes of post-covid patients and link this to demografic, medical and sociopychological characteristics as predictors.

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

Summary

ID

NL-OMON56890

Source
ToetsingOnline

Brief title
TNO post-COVID monitoring app

Condition

- Other condition

Synonym
longcovid, post-COVID

Health condition

post-COVID

Research involving
Human

Sponsors and support

Primary sponsor: TNO
Source(s) of monetary or material Support: Ministerie van VWS

Intervention

Keyword: long covid, Monitoring, post-COVID, Wearables

Outcome measures

Primary outcome

Evaluation of usability after a 6 week period use of the app

Secondary outcome

Method development (proof-of-concept) to identify subtypes for post-COVID

Study description

Background summary

In this study, we will test the user-friendliness of a monitoring app (optionally using a wearable) for post-COVID symptoms over a 6-week period in 80-100 adults with post-COVID symptoms. Furthermore, we take a first step to identify subtypes of post-COVID based on daily measurements.

Study objective

With this study we want to test the user experience of the prototype app and to develop a method to identify subtypes of post-covid patients and link this to demografic, medical and sociopychological characteristics as predictors.

Study design

The study is designed as a non-randomized, observational study with a pre- and post- intervention assessment as well as daily monitoring with questionaires. Use of an additional wearable will be based on participant*s preference and will be available on a first-come-first-serve basis as long as devices are available (8o in total)

Study burden and risks

The burden on participants is kept to a minimum. All research activities (questionnaires) take place through the app and can be done from one's own environment. The longer intake and final questionnaire can be split across several moments.The risks associated with the study are minimal. Monitoring ones health closey might lead to more stress or worrying than usual. In very rare cases participants might have an allergic reaction to the optional wearable. Participants are informed about theses risc and can stop with the study at any moment.

Contacts

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TNO

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adolescents (16-17 years)
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

• Diagnosed post-covid symptoms per diagnosis from general practitioner

(self-report)
• 18 years or older
• Being able to use a smartphone app on a daily basis
• Fluency in Dutch
• Voluntary participation (informed consent)

Exclusion criteria

none

Study design

Design

Study phase:	2
Study type:	Observational non invasive
Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Other

Recruitment

NL

Recruitment status:	Completed
Start date (anticipated):	14-08-2024
Enrollment:	100
Type:	Actual

Ethics review

Approved WMO Date:	09-07-2024
Application type:	First submission
Review commission:	METC Brabant (Tilburg)
Approved WMO Date:	17-09-2024

Application type:	Amendment
Review commission:	METC Brabant (Tilburg)

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	NL86927.028.24