# Digital mental health literacy program for firstyear medical students in Finland

Submission date	Recruitment status  No longer recruiting	<ul><li>Prospectively registered</li></ul>		
12/05/2021		[X] Protocol		
Registration date 26/05/2021	Overall study status Completed	Statistical analysis plan		
		[X] Results		
Last Edited	Condition category	Individual participant data		
10/11/2021	Mental and Behavioural Disorders			

#### Plain English summary of protocol

Background and study aims

Medical students are prone to mental disorders such as depression and anxiety. The psychological burden is mainly related to the high demands of the studies. There is a need to implement interventions that improve medical students' mental health literacy and wellbeing. This study aims to investigate the impact of a digital mental health literacy program Transitions with blended life skill and mindfulness components among first-year medical students.

Who can participate? First-year medical students.

#### What does the study involve?

The student will have to register in the digital program platform in order to participate in the study. The program involves two lectures and independent learning of the digital material in between the lectures. The data are collected from the participants using electronic questionnaires three times in total: before the program starts (baseline), immediately after completing the program and 2 months after the baseline.

## What are the possible benefits and risks of participating?

The students' knowledge about mental health may increase, their attitudes towards mental health can become more positive and their help-seeking behavior may be enhanced. The study may also strengthen the students' stress management skills and alleviate emotional (mainly anxiety and stress) symptoms. A data processing impact assessment has been conducted, and data protection matters have been carefully considered and both technical and organizational protective measures have been undertaken. Risks related to data protection are minimal and other risks have not been identified in the study.

Where is the study run from? University of Turku (Finland)

When is the study starting and how long is it expected to run for? From March 2017 to February 2020

Who is funding the study?
The Academy of Finland (Finland)

Who is the main contact?
Dr. Marjo Kurki, mhkurk@utu.fi

# Contact information

## Type(s)

Scientific

#### Contact name

Prof Andre Sourander

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# Additional identifiers

## Clinical Trials Information System (CTIS)

Nil known

# ClinicalTrials.gov (NCT)

Nil known

#### Protocol serial number

Nil known

# Study information

#### Scientific Title

Digital mental health literacy -program for first-year medical students' wellbeing: single-group quasi-experimental study

# **Study objectives**

Digital Transitions will improve first-year medical students' knowledge about mental health, decrease stigma associated with mental health problems, and improve help-seeking attitudes.

# Ethics approval required

#### Old ethics approval format

#### Ethics approval(s)

Approved 03/05/2017, Ethics Committee for Human Sciences at the University of Turku (FI-20014 University of Turku, Finland; eettinen@utu.fi; +358 50 303 0346), no ref

#### Study design

One-group quasi-experimental design

#### Primary study design

Interventional

## Study type(s)

Prevention

## Health condition(s) or problem(s) studied

Prevention of mental health problems by increasing students' knowledge about mental health, improving their attitudes towards mental health problems, enhancing help-seeking behavior as well as promotion of wellbeing and stress management.

#### **Interventions**

The intervention consists of two in-person lectures lasting 60 min each, delivered by a mental health professional, and a digital self-learning material. The first lecture focuses on strategies for independent living and studying, while the second lecture focuses on mental health, and stress management and mental disorders, help-seeking, and treatment. In between the lectures, the students have approximately 4 weeks to learn the digital material.

Participants were also encouraged to practice stress management skills, including mindfulness exercises at any time during the course. The digital transitions consisted of three themes addressing life skill resources and mental health topics. Theme 1 comprised of important skills for independent living and academic life strategies. Theme 2 comprised of strategies on how to obtain and maintain sound mental health, and stress management skills. Theme 3 comprised of mental disorders, related treatment and help-seeking.

#### Intervention Type

Behavioural

## Primary outcome(s)

Mental health literacy, which comprises the following aspects:

- 1. Knowledge about mental health measured using an adapted mental health literacy measurement instrument as electronic questionnaires that were embedded in the program platform at baseline (at the beginning of the first lecture), pre-intervention, 4 weeks (at the end of the second lecture), and 2 months
- 2. Attitudes towards mental health and help-seeking measured using at an adapted mental health literacy measurement instrument as electronic questionnaires that were embedded in the program platform baseline, 4 weeks, and 2 months
- 3. Help-seeking behaviour measured using an adapted mental health literacy measurement instrument as electronic questionnaires that were embedded in the program platform at baseline, 4 weeks, and 2 months

# Key secondary outcome(s))

- 1. Perceived stress measured using the Perceived Stress Scale (PSS) at baseline, 4 weeks, and 2 months
- 2. Emotional health measured using the General Health Questionnaire-12 (GHQ-12) at baseline, 4 weeks, and 2 months

# Completion date

15/02/2020

# **Eligibility**

#### Key inclusion criteria

First-year medical student

# Participant type(s)

Other

# Healthy volunteers allowed

No

## Age group

Adult

#### Sex

All

## Total final enrolment

186

## Key exclusion criteria

Does not meet inclusion criteria

#### Date of first enrolment

01/09/2018

#### Date of final enrolment

30/08/2019

# **Locations**

## Countries of recruitment

Finland

# Study participating centre University of Turku

Teutori 3rd floor Lemminkäisenkatu 3

# Sponsor information

#### Organisation

Academy of Finland

#### **ROR**

https://ror.org/05k73zm37

# Funder(s)

#### Funder type

Government

#### **Funder Name**

Academy of Finland

#### Alternative Name(s)

Academy of Finland, Suomen Akatemia, Finlands Akademi, AKA

#### **Funding Body Type**

Government organisation

#### **Funding Body Subtype**

Research institutes and centers

#### Location

Finland

# **Results and Publications**

#### Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are not expected to be made available due to data protection policies of University of Turku, Finland, and EU GDPR. The collected data include sensitive and identifiable data.

#### IPD sharing plan summary

Not expected to be made available

# Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		06/11/2021	10/11/2021	Yes	No
Participant information sheet	version v1	18/04/2017	01/06/2021	No	Yes
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes
Protocol file	version v1	18/04/2017	01/06/2021	No	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes