A video-assisted health education program sequenced by peer education on the health literacy of COVID-19 and other infectious diseases among school children

Submission date	Recruitment status No longer recruiting	Prospectively registered		
13/01/2023		☐ Protocol		
Registration date 24/01/2023	Overall study status Completed	Statistical analysis plan		
		[X] Results		
Last Edited 09/02/2024	Condition category Infections and Infestations	[] Individual participant data		

Plain English summary of protocol

Backgrounds and study aim

To improve the engagement and effectiveness of traditional health programs, it is necessary to explore alternative models of health education including video-assisted lectures and peer education. This study aimed to evaluate the effects of a combination of video-assisted lecture and peer education on the health literacy of pupils related to infectious diseases.

Who can participate?

Third-grade students in the 11 schools selected by the Longgang District Bureau of Health

What does the study involve?

Third-grade classes are randomly allocated to the intervention and control groups. In the intervention group, a video-assisted interactive health education program is conducted twice over 5 months. Each of the two sessions includes a 40-minute lecture on COVID-19 and other common infectious diseases in schools and a 5-minute science video. In addition, five "little health supervisors" at the end of the first session are elected in each class, who are responsible for helping class members to learn health knowledge and develop good hygiene habits. Students answer the same quiz before the first and after the second session to score the students' knowledge of infectious diseases.

What are the possible benefits and risks of participating?
Participants can learn more about infectious diseases. No risk has been found.

Where is the study run from? Sun Yat-sen University (China)

When is the study starting and how long is it expected to run for? October 2021 2021 to April 2022 Who is funding the study? Investigator initiated and funded

Who is the main contact? Yawen Jiang, jiangyw26@mail.sysu.edu.cn

Contact information

Type(s)

Principal Investigator

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Additional identifiers

EudraCT/CTIS number

Nil known

IRAS number

ClinicalTrials.gov number

Nil known

Secondary identifying numbers

Nil known

Study information

Scientific Title

The effect of a video-assisted health education program sequenced by peer education on the health literacy of COVID-19 and other infectious diseases among school children: a randomized controlled trial

Study objectives

This program, anecdotally referred to as the "Little Health Supervisors" project, was anticipated to improve the health literacy of students over an array of infectious diseases.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 24/12/2021, The Biomedical Research Ethics Review Committee, School of Public Health (Shenzhen), Sun Yat-sen University (66 Gongchang Road, Guangming District, Shenzhen, Guangdong, China; +86 (0)755 23260106; wangxsh39@mail.sysu.edu.cn), ref: 056

Study design

Single-centre interventional unblinded randomized controlled cluster trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

School

Study type(s)

Prevention

Participant information sheet

Not available in web format, please use contact details to request a participant information sheet

Health condition(s) or problem(s) studied

Health literacy of pupils related to infectious diseases, including influenza, chickenpox, norovirus diarrhea, and mumps

Interventions

As designed by the researchers, the eligible students are assigned to the intervention and control groups using class number as the randomizer. In the intervention group, a video-assisted interactive health education program is conducted twice over a time span of 5 months. Each of the two sessions includes a 40-minute lecture on COVID-19 and other common infectious diseases in schools and a 5-minute science video. In addition, five little health supervisors at the end of the first session are elected in each class, who were responsible for helping class members to learn health knowledge and develop good hygiene habits. No intervention is taken in the control group.

Intervention Type

Behavioural

Primary outcome measure

The health literacy of COVID-19 and other infectious diseases measured using a self-designed questionnaire containing a quiz on COVID-19 and selected infectious diseases. Students answered the same quiz before the first and after the second session.

Secondary outcome measures

Vaccination rates against COVID-19 measured using a self-designed questionnaire containing COVID-19 vaccination status before the first and after the second session

Overall study start date

28/10/2021

Completion date

02/04/2022

Eligibility

Key inclusion criteria

In the first step of sample enrollment, the Longgang District Bureau of Health selected a primary school in each of the eleven subdistricts of this district. Second, all 3rd-grade students in the eleven schools were eligible for participation if they met the following requirements:

- 1. Not taking a leave of absence from school at the time of enrollment
- 2. Agreed (or agreed by guardians) to spend time on attending lectures
- 3. Had access to a computer/tablet/smartphone with internet connection
- 4. Had sufficient knowledge to use mobile devices or computers (assistance allowed)
- 5. Able to read and interpret Chinese characters

Participant type(s)

Healthy volunteer

Age group

Child

Sex

Both

Target number of participants

7 classes, 50 students in each class

Total final enrolment

2526

Key exclusion criteria

Does not meet the exclusion criteria

Date of first enrolment

16/11/2021

Date of final enrolment

20/12/2021

Locations

Countries of recruitment

China

Study participating centre Pinghu Experimental School

Pinghu Street Longgang District Shenzhen China 518111

Study participating centre Henggang Central School

Henggang Street Longgang District Shenzhen China 518115

Study participating centre Longgang Yabo Primary School affiliated to South China Normal University

Bantian Street Longgang District Shenzhen China 518129

Study participating centre Dongxing Foreign Language School

Pingdi Street Longgang District Shenzhen China 518117

Study participating centre Danzhu Tou Primary School

Nanwan Street Longgang District Shenzhen China 518115

Study participating centre Dakang Primary School

Yuanshan Street Longgang District Shenzhen China 518115

Study participating centre Longling Primary School

Buji Street Longgang District Shenzhen China 518112

Study participating centre Xiantian Foreign Language School

Longgang Street Longgang District Shenzhen China 518109

Study participating centre Baolong School

Baolong Street Longgang District Shenzhen China 518116

Study participating centre

Longgang Universiade School affiliated to South China Normal University

Longcheng Street Longgang District Shenzhen China 518172

Study participating centre Lucheng Foreign Language Primary School

Jihua Street Longgang District Shenzhen China 518112

Sponsor information

Organisation

Sun Yat-sen University

Sponsor details

66 Gongchang Road Guangming District Shenzhen China 518107 +86 (0)755 23260166 szmc@mail.sysu.edu.cn

Sponsor type

University/education

Website

https://shenzhen.sysu.edu.cn/?ivk_sa=1021577i

ROR

https://ror.org/0064kty71

Funder(s)

Funder type

Other

Funder Name

Investigator initiated and funded

Results and Publications

Publication and dissemination plan

Planned publication in a high-impact peer-reviewed journal

Intention to publish date

02/06/2023

Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study will be stored in a non-publicly available repository (https://www.wjx.cn/).

The name of the repository: Sun Yat-sen University RDD platform

The type of data stored: Excel (.xlsx)

The process for requesting access: the repository requires the author's account and password to log in, and access requests must be approved by the Chinese Ministry of Science and Technology (https://www.most.gov.cn/index.html) as well as all authors of the paper.

Dates of availability: forever.

Whether consent from participants was required and obtained: consent from participants was required and obtained.

IPD sharing plan summaryStored in non-publicly available repository

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		29/01/2024	09/02/2024	Yes	No