

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 13/01/2023	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 24/01/2023	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 09/02/2024	Condition category Infections and Infestations	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> 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

Contact name

Mr Yawen Jiang

ORCID ID

<http://orcid.org/0000-0002-0498-0662>

Contact details

Room 533, West Wing of Medical Complex #1
Sun Yat-sen University
66 Gongchang Road
Guangming District
Shenzhen
China
518107
+86 (0)13632974660
jiangyw26@mail.sysu.edu.cn

Type(s)

Public

Contact name

Miss Xiaojuan Zhang

ORCID ID

<http://orcid.org/0000-0003-2744-9855>

Contact details

74 Zhongshan 2nd Road
Yuxiu District
Guangzhou
China
510080
+86 (0)18028040328
zhangxj67@mail2.sysu.edu.cn

Type(s)

Scientific

Contact name

Miss Xiaojuan Zhang

Contact details

74 Zhongshan 2nd Road
Yuexiu District
Guangzhou
China
510080
+86 (0)18028040328
zhangxj67@mail2.sysu.edu.cn

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 summary
Stored 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