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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

Registration date
24/01/2023

Overall study status
Completed

Last Edited
09/02/2024

Condition category
Infections and Infestations

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[X] Results
[_] 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

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Additional identifiers

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

Primary study design
Interventional

Study design
Single-centre interventional unblinded randomized controlled cluster trial

Study type(s)
Prevention

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(s)
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.

Key secondary outcome(s)
Vaccination rates against COVID-19 measured using a self-designed questionnaire containing COVID-19 vaccination status before the first and after the second session

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

Healthy volunteers allowed
No

Age group
Child

Sex
All

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

ROR
https://ror.org/0064kty71

Funder(s)

Funder type
Other

Funder Name
Investigator initiated and funded

Results and Publications

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