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On August 1, 2022

Tagged acceptability, adoption, communication, COVID-19, dissemination, exposure, exposure notification system, implementation, implementation science, mitigation, mobile phone technology, notification, outcome, risk, strategy, transmission, university, university setting, usage **Edit This**



for COVID-19 Risk Mitigation at a National Public University: Protocol for a Pilot Evaluation Study in a Real-World Setting" in JMIR Research Protocols which reported that this paper describes the protocol for South Carolina Safer Together, developed by Clemson University to design, deploy, and evaluate multilevel communication and dissemination and implementation (D&I) strategies in line with recommendations from governmental and educational agencies to mitigate the risk of exposure to COVID-19.

JMIR Publications recently published "Dissemination and Implementation of a Google Apple Exposure Notification System"

Safer Together was enhanced by the addition of the Google/Apple Exposure Notification app, an alternative strategy to support a recommendation of COVID-19 testing outcomes:

- 1. Contact tracing
- 2. Isolation, and
- 3. Quarantine.

COVID-19 mitigation strategies on a major college campus; determine the reach, acceptability, adoption, and use of D&I strategies among the target audiences (university students, faculty, and staff); and characterize barriers and facilitators to the implementation and use of recommended mitigation strategies.

The study team incorporated elements of the Health Belief Model, the Technology Acceptance Model,

This study aimed to describe the content and intended audiences of D&I strategies used to deploy recommended

communication and social marketing models, and the Reach, Effectiveness, Adoption, Implementation, and Maintenance framework to identify and develop appropriate constructs and specific outcomes for inclusion in our approach to evaluate the communication, dissemination, and implementation processes related to the deployment of Safer Together at Clemson.



university "open." On a larger scale, lessons learned on how to influence student and employee behavior with respect to the use of a public health outbreak prevention tool including Safer Together may be applicable in future pandemic and outbreak situations. This study proposes a structured theory-driven approach to evaluate dissemination and implementation strategies

On a local level, the broad adoption and use of Safer Together may help reduce COVID-19 transmission and keep the

associated with the deployment of Safer Together in a university setting from the viewpoint of students, employees, and university leadership. Dr. Kathleen B Cartmell from Clemson University said, "As SARS-CoV-2, the virus that causes COVID-19, spread rapidly

across the United States in the spring of 2020, institutions of higher education (IHEs) faced numerous challenges associated with minimizing the risk of exposure to COVID-19 among their students, faculty, staff, and surrounding communities." To address the recommended strategy of implementing actions to support testing outcomes such as contact tracing,

authority for South Carolina, the SC Department of Health and Environmental Control, Google, and Apple. Compared to conventional contact tracing based on "case" recollection, cellphone-based exposure notifications have the potential to inform individuals of exposures more quickly, to identify a more complete set of true contacts, and to

isolation, and quarantine, Clemson also took advantage of a novel partnership among the state public health

The first round of student messaging regarding recommended strategies and the use of Safer Together was initiated through Clemson Student Housing on October 28, 2020, to students in the two dormitories.

Messaging for students was sent via email to explain Safer Together and its capacity to let students know if they had been exposed to someone with confirmed COVID-19, encourage them to download the app, link the app to the Healthy Clemson United as Tigers app, and understand what to do should they be notified of potential exposure.

Given the small size of this pilot with students in only 2 dormitories and that on-campus isolation was not a burden to the university employees, Clemson's administration disseminated messaging about Safer Together to all Clemson employees on November 20, 2020, via an email asking them to download and activate Safer Together and advising them of the effort to evaluate Safer Together deployment strategies.

structured approach based on the RE-AIM framework, to evaluate dissemination and implementation strategies associated with deployment of the Safer Together in a university setting from the viewpoint of students, employees and university leadership. The results of this study will inform future implementation of apps such as Safer Together at major state universities." ###

Dr. Cartmell and the research team concluded in their JMIR Publications Research Output, "This study proposes a

Full-text - https://www.researchprotocols.org/2022/1/e32567/

DOI - https://doi.org/10.2196/32567

better assess extent of exposure.

Free Altmetric Report - https://researchprotocols.altmetric.com/details/120186184

Keywords - COVID-19, risk, mitigation, mobile phone technology, exposure notification system, university setting,

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