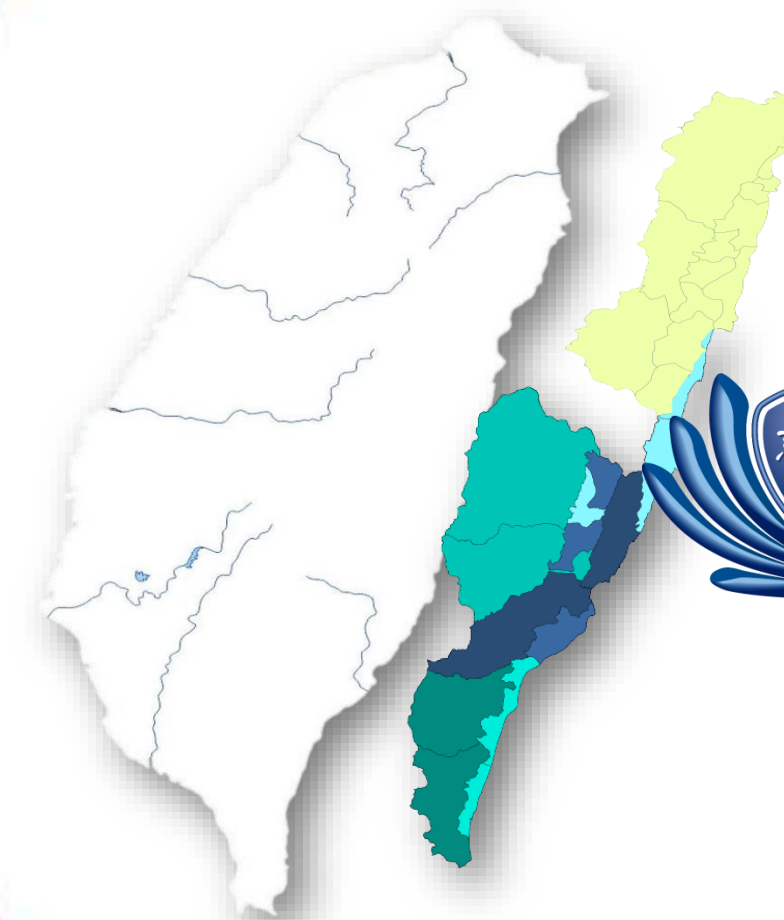




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佛教慈濟醫療財團法人
花蓮慈濟醫院
Hualien Tzu Chi Hospital,
Buddhist Tzu Chi Medical Foundation

SMARTPHONE APPLICATION FOR REMOTE WOUND CARE

H. C. Chung* ^{1,2}, M. Y. Hsu^{1,3}

1Department of Nursing, Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Hualien, Taiwan

2Tzu Chi University, Hualien, Taiwan

3Tzu Chi College of Technology, Hualien, Taiwan

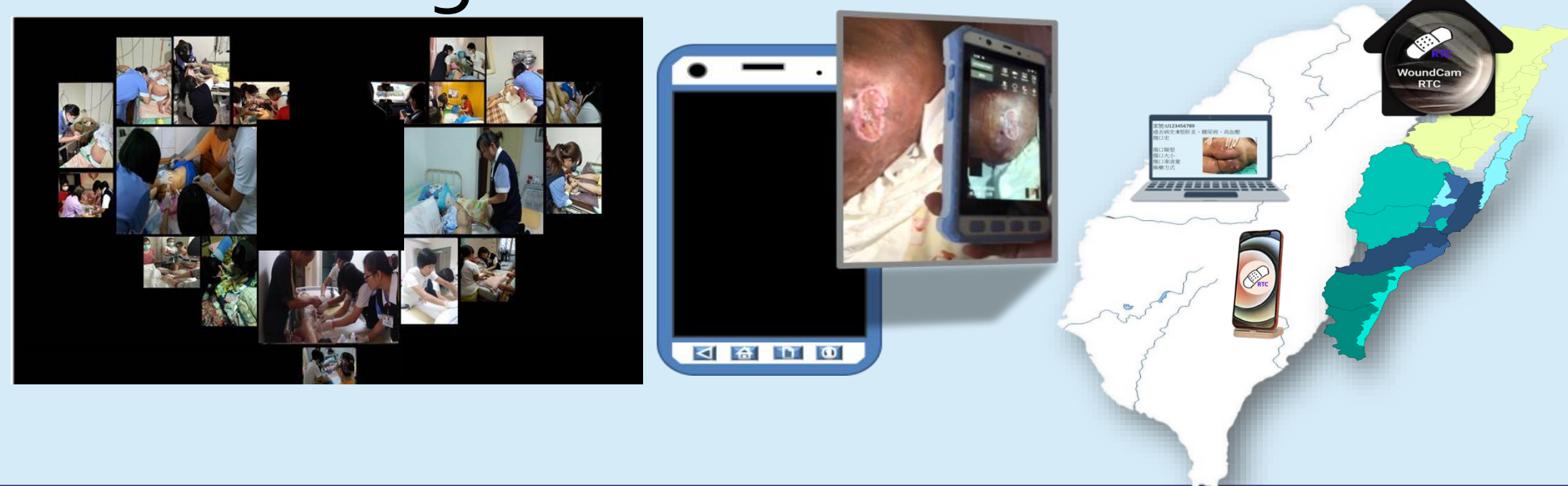
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INTRODUCTION

The purpose of this project is to construct the "Wound Remote Smart Care Service Model in Eastern Taiwan", which integrates pre-discharge preparation, wound care expert consultation, home care and smart phone devices to improve wound healing of long-term care patients as a related remote wound care A reference for policy revision and performance indicator formulation

METHOD

From September 15, 2010 to December 31, 2019, a total of 11 institutions participated in this wound remote smart care service model, and 110 cases were accepted, with a target achievement rate of 85%; among them, 82 home based cases used this service model people; 28 users of long-term care institutions.



RESULTS

In terms of wound care effectiveness: 83 cases were closed, of which 42 wounds were completely healed, and the wound healing rate was 51%; the average healing time was 31 days, of which the average healing time for acute wounds was 16 days, and the average healing time for chronic wounds was about 40 days. Although 47% of the patients The wound has not yet healed, but the extent of the wound has shrunk by more than 50%.In addition, in terms of service satisfaction survey: a total of 136 people were sent out, with a recovery rate of 73%. The total satisfaction percentage of home patients and their family members on the "remote wound smart care model" was 93%, the satisfaction analysis result of long-term care institutions was more than 91%, and the satisfaction rate of home nurses was 80.5%. Most patients and their families have a positive view on problem consultation and treatment suggestions and the remote wound smart care model, which can be further optimized for increasing the frequency of visits, immediate access to dressings, and assistance in dressing changes.



CONCLUSIONS

The "Wound Remote Smart Care Service Model in Eastern Taiwan" has completed preliminary tests and completed the wound care effectiveness indicators, which can be used as the basis for remote wound smart care quality indicators in rural areas. The user satisfaction results show that home patients/family members, institutions and teams are satisfied and hope to continue to provide this remote wound smart care model. Therefore, it is suggested that when developing and revising the remote wound care model in the future, the cognition of the ease of use and usefulness of the content of the care model can be improved, and an appropriate information care service system and network can be constructed by understanding the needs of home disease cases and service providers. , will be conducive to the successful development of wound telemedicine care models.

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CONTACT INFORMATION



Hc_chung@tzuchi.com.tw