



Transforming Healthcare Delivery: AI Innovations in Remote & In-Home Care



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Artificial Intelligence

Use Cases for ELDERCARE



Telehealth



Remote Monitoring



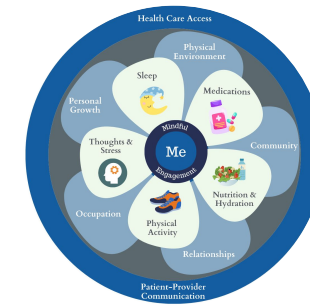
Resource Allocation



Disease Prediction



AI Diagnostics

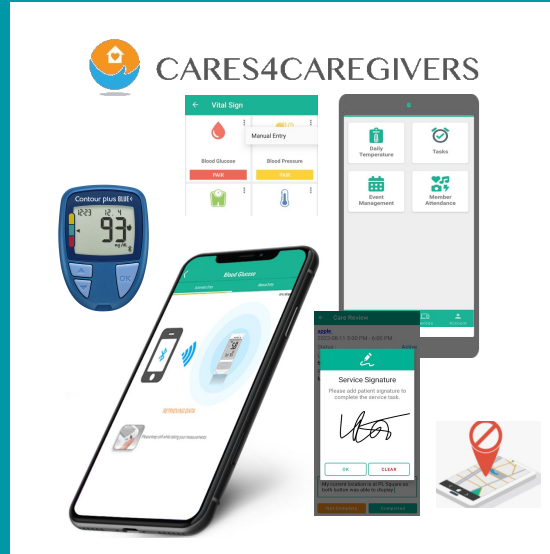


Personalized Care

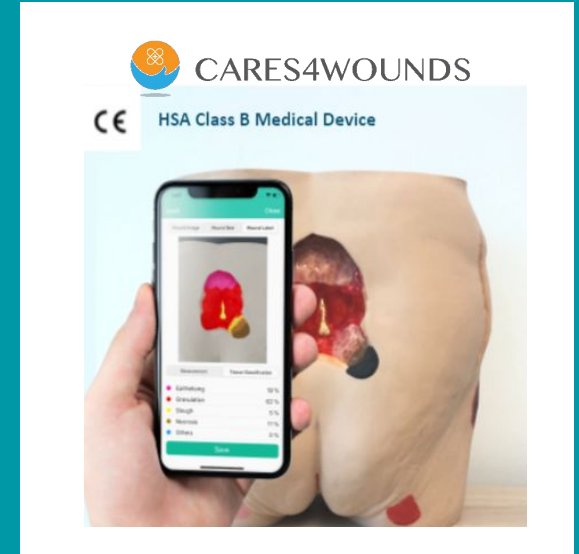
Our Solutions



Community Care
Management
Software



Care Management
Mobile App
(Staff and Client)



AI Wound
Management
Mobile App

What is CARES4WOUNDS?

3 Clinical Papers published: TTSH, TODAI, SLH



Listed in HSA Class B Medical Device Register for Singapore



CARES4WOUNDS

an artificial intelligence enabled tool for wound imaging, measurement, assessment and monitoring. It raises productivity and quality in evidence based wound management.



1

AI enabled wound management **mobile application** with automatic measurement & tissue classification

2

Website for Remote Monitoring & Teleconsultation

Optimal Care Model for Wounds

People

Skills Training



Roles Re-design



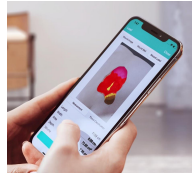
Escalation Protocol



+

Process

Portable Tools



Standardized Records



Remote Monitoring



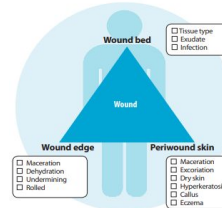
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Standards

Auto Data Capture



Clinical Workflow



Intelligence

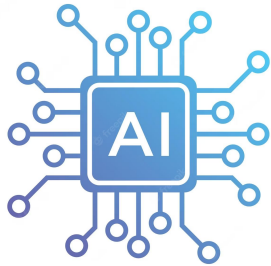


Outcomes

Affordable & Effective



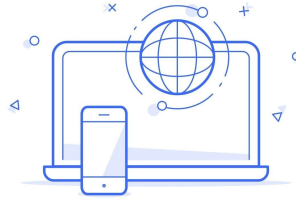
Cloud Based Wound Management Software accessible everywhere, worldwide



Artificial
Intelligence



TeleHealth



Mobile & Web
Apps

3 X

Productivity

2 X

Quality

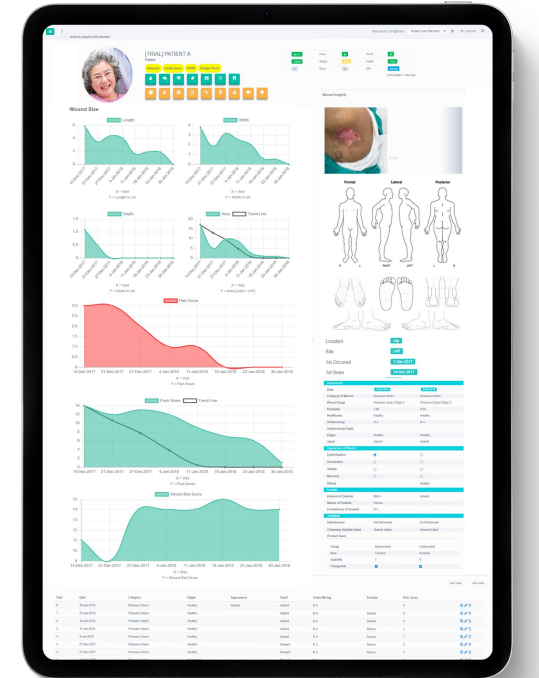
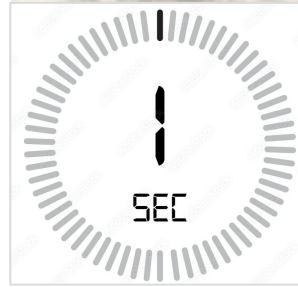


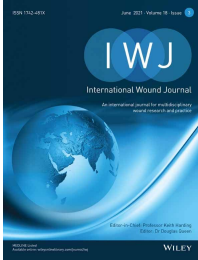
Connected



Scalable

Get Wound Assessment in < 1 Sec





Measurement Validation Study by TTSH, Singapore

- Intra-rater and Inter-rater reliability: **>0.9 (Excellent)**
- Non-inferior in comparison to international counterparts
- C4W is a useful adjunct in monitoring DFU wound progress.

<https://doi.org/10.1111/iwj.13603>



Health Economic Study by SLH, Singapore

- Managing chronic wounds in nursing homes over 2 months.
 - 2x** Rate of Improvements in Falanga Score
 - 265%** Decrease in Time Taken
 - 60%** Overall Reduction in Overall Costs

<https://woundsasia.com/journal-articles/use-imaging-application-chronic-wound-management-among-nursing-home-patients-pilot-study/>

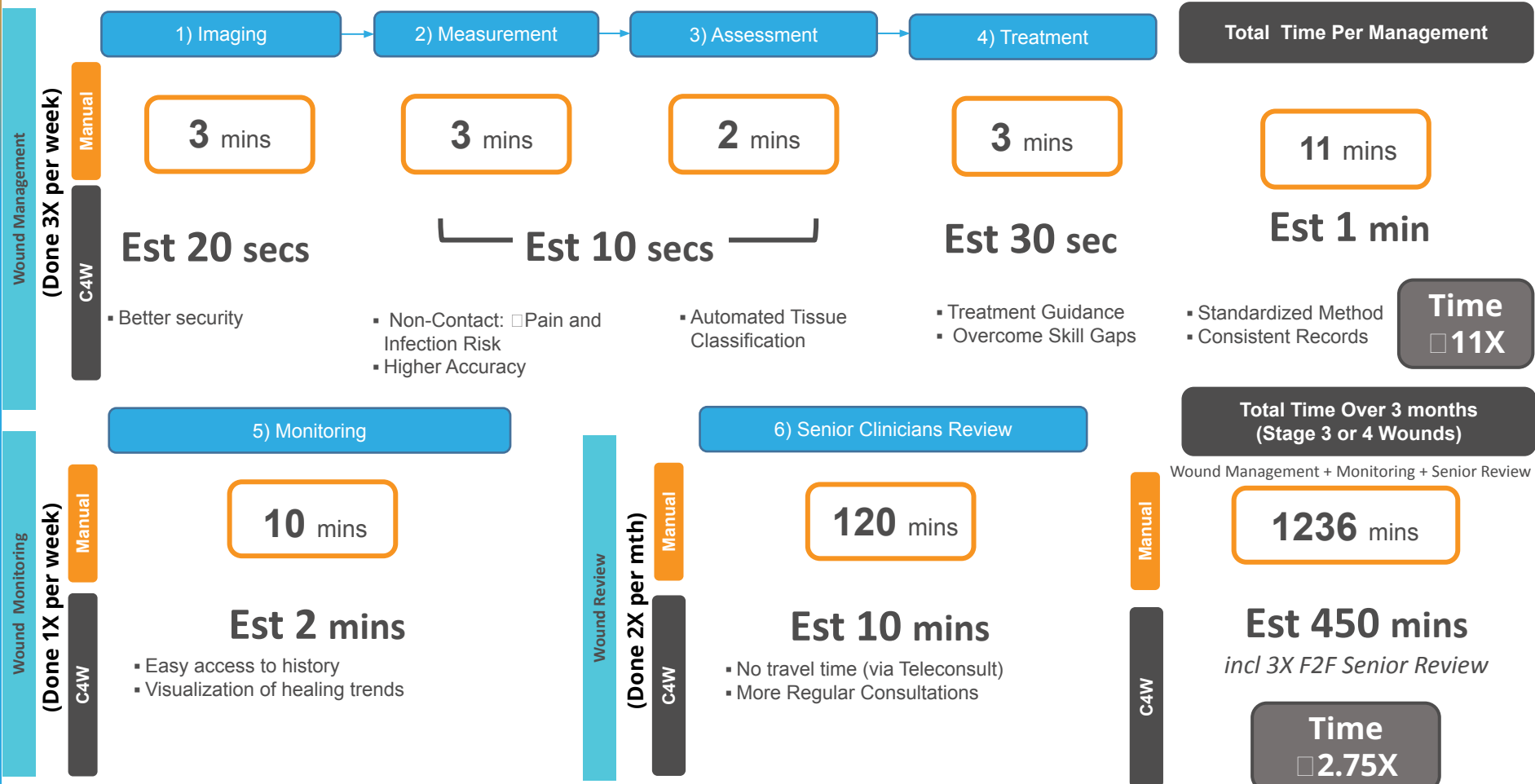


Research Study of Telewounds In Japan during COVID in Wound Practise and Research by University of Tokyo, Japan

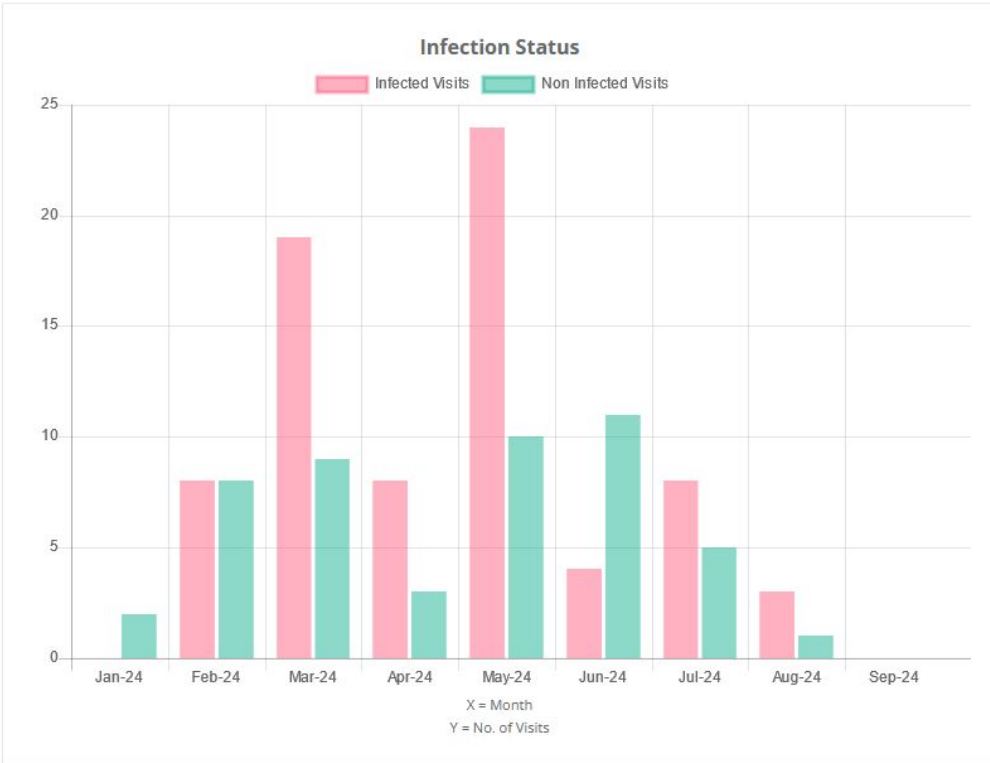
- Having real-time and high quality video consultations helped to hasten recovery.
- Woman in her 90s suffered a PI for a few months
- With weekly teleconsultations:
 - **2nd week**, undermining disappeared
 - **3rd week**, epithelization started
 - **7th week**, wound has healed

<https://journals.cambridge.org/wpr/volume-30-number-3/application-real-time-remote-consultations-wound-care-home-wound-ostomy-and-contenance-nurses-case-studies>

PRODUCTIVITY Benefits in Wound Care Workflow



INSIGHTS: Wound Analytics



INSIGHTS: Cost of Wound Healing

Ease to obtain data &
automate analytics via
AI



DIABETIC ULCER

- est \$24K/ Episode



PRESSURE INJURY

- est \$21K to 151K / PI.

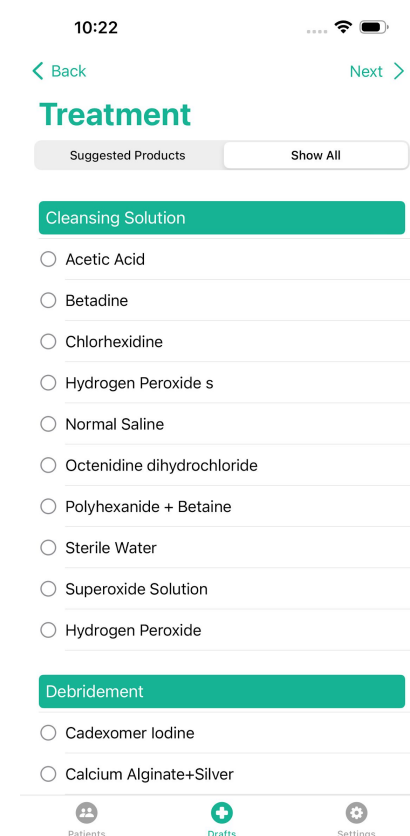
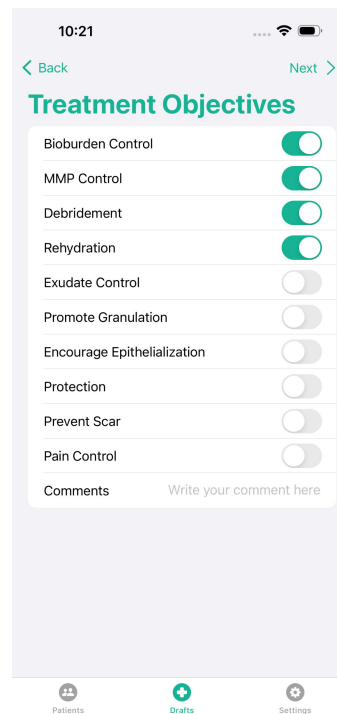


PRESSURE INJURY

- est \$16K / VU

Value Proposition

- Agile fine-tuning of treatment decision trees based on efficacy / costs
- Optimize wound care efficiency and cost
- Provide effective solutions and support for wound care patients



Coming Up:



Call Centre




AI Scribe

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