



## Chan Ee Yuee

Deputy Director of Nursing, Tan Tock Seng Hospital (TTSH)  
Adjunct Assistant Professor, Alice Lee Center of Nursing  
Studies, NUS

Ph.D. Industry Supervisor, Singapore Institute of Technology

### Research Interests:

- Caregiving and Aged Care
- Health Activation
- Digital Health
- Implementation Science
- Workforce transformation

Email: [ee.yuee.chan@nhghealth.com.sg](mailto:ee.yuee.chan@nhghealth.com.sg)

## Biography

Ee Yuee received her PhD (Health Sciences) from the University of Sydney, Australia in 2014. She was the first nurse in Singapore to be sponsored for a Master of Science in Health Research Methodology (Clinical Epidemiology and Biostatistics) at the McMaster University, Canada. She also holds a Master of Nursing Studies from the Queensland University of Technology, Australia. She serves as a scientific reviewer for multiple international journals, including *Arthritis Care and Research*, and *International Journal of Nursing Studies*.

During the Covid-19 period, Ee Yuee launched Project Carer Matters, Singapore's first nurse-led hospital-to-home framework of care to support patient-caregiver dyads at home – it has since supported over 700 families. She is currently leading a team to strengthen the caregiving ecosystem through Project Carer Matters 2, supported by a large MOH's National Innovation Challenge grant. Her team successfully developed and launched on Google Play and Apple App Stores, *CarePal*, a caregiver-centric digital solution to assist in caregiving. Committed to advancing nursing research, she established TTSH's hybrid Nurse Clinician-Scientist career track to groom the next generation. Her achievements have been recognized through numerous awards, including the President's Award for Nurses (2024), the highest accolade in Singapore's nursing profession.

## Selected Publications

- Developing a Multicomponent Intervention for Family Caregivers of Older Adults in Singapore: A Delphi Study. *Health and Social Care Community*. 6 Jan 2025.

- Lived Experiences and Coping Strategies of Unpaid Informal Caregivers of Community-Dwelling Older Adults in Singapore: A Qualitative Systematic Review Protocol. International Journal of Qualitative Methods. 3 Jan 2005 Volume 24: 1–6.
- Developing a theory of change to guide the design and implementation of a caregiver-centric support service. BMC Health Serv Res. 2024 Dec 18;24(1):1620.
- Exploring the Feasibility of a Caregiver Burden-Mastery Hybrid Assessment Tool With Decision Matrix in a Memory Clinic: A Multimethod Study. SAGE Open Nurs. 2024 Dec 19;10:23779608241307002.
- Project Carer Matters 2: Strengthening the Ecosystem to support Family Caregivers of Older Persons HealthManagement 2004; 24(5)
- Applying the RE-AIM framework to evaluate a holistic caregiver-centric hospital-to-home programme: a feasibility study on Carer Matters. BMC Health Serv Res. 2022;22,933.
- Delivering a holistic Hospital-to-Home framework to support family caregivers of persons with dementia: Protocol for a feasibility study. J Adv Nursing. 2022,78:1513-23.

### Notable Research and Innovation Awards & Grants from Past 5 Years

As a PI, Ee Yuee has secured over 11 million in research grants from entities such as Singapore’s Ministry of Health National Innovation Challenge, Geriatric Education and Research Institute (GERI), National Healthcare Group (NHG), and the A\*STAR. Her research work has led to over 40 peer-reviewed publications and many notable research awards and media coverage.

Name of Awards & Grants	Year Obtained
SHBC - Best Poster Award (Gold) – Nursing	2019 2022 2023
SHBC - Singapore Nursing Award (Gold)	2019 2022 2023
SHBC - Singapore Nursing Award (Silver)	2017 2022
TTSH Research Award for Impactful Collaboration	2020
MOH National Innovation Challenge on Active and Confident Ageing	2022 - 2026
Ng Teng Fong HIP Innovation Grant	2019-22
Geriatric Education & Research Institute Intramural Grant	2020-21
A*STAR-NHG-NTU Skin Research Grant (SIG 18037)	2018-21
Ng Teng Fong HIP Innovation Grant	2018-21; 2018-19
NHG Research Support Scheme	2015-19

Singapore Small Innovative Grant	2009-10
NHG-HOMER	2019
CDC-TTSH Centre Grant. TTSH Core Lead, Implementation Research	2017
NHG Health Quality Improvement Fund	2010
NHG Health Outcomes and Medical Education Research Grant	2015-17

## Translating Research and Innovation Into Healthcare

Leading a team of clinicians, innovators, researchers and academics in the development, piloting and integration of a suite of digitally-enabled technology solutions to support caregivers of older persons, Project Carer Matters 2. Recently the team successfully developed and launched CarePal, a transdisciplinary caregiver-centric mobile app to 'push' appropriate videos, content and resources to caregivers based on their caregiving needs and issues faced.

Developed Carer Matters, Singapore's first nurse-led hospital-to-home framework of care to support patient-caregiver dyads at home. A \$1.8 million project, Carer Matters supported stressed caregivers over Covid pandemic. It has since been mainstreamed in TTSH inpatient, and to date benefitted over 700 caregivers and patients.

Establish an evidence-based care bundle for pressure injury management in Singapore, which led to an evidence-based computer decision support system for the electronic monitoring and recommendation of treatment of pressure injuries.

Led a team of Wound Care Nurses across Singapore to establish an evidence-based protocol for incontinent associated dermatitis (IAD) care. Led the first clinical trial in South-East Asia on the effective management of IAD, funded by the A\*STAR Skin Innovation Grant. Trial led to evidence-based IAD management protocol and a standard IAD identification tool being implemented in hospital.

Established Nursing Research Unit, one of the first hub of nurse experts in research methodology to guide nursing leaders through research and evidence. It is subsequent transformed into Nursing Implementation, Translation and Research Office (NITRO), building Nursing's foray into the development of AI-enabled solutions to provide better data and insights to guide Nursing care. Conceptualised and developed a hybrid Nurse Clinician-Scientist career track in TTSH Nursing. With this new career track, nurses with a passion and talent in clinical and research could be pursued a dual clinical practice cum research career.

Systematic review published in BMJ on oral decontamination led to practice change amongst ICU patients and has implications in reducing patients' risk of ventilator associated infections, ventilated days and length of stay in ICUs.

No.	Media Report	Headline (Hyperlink)
1	The Straits Times	<a href="#">TTSH rolls out new online portal to guide caregivers</a>

2	Channel 8 News	<a href="#">陈笃生医院推出关怀看护者计划2.0 提升护理服务减轻负担</a>
3	Lianhe Zaobao	<a href="#">陈笃生医院推出新应用功能 药物单与护理指南一目了然</a>
4	8 World News	<a href="#">陈笃生医院推出关怀看护者计划2.0 提升护理服务减轻负担</a>
5	Shinmin Daily News	<a href="#">本地首个看护资源平台上线</a>
6	Ageless Online	<a href="#">Support for Caregivers</a>
7	Channel News Asia	Caregiver collapse is real and hospitals can smoothen the transition home
8	Channel News Asia.	TTSH's pilot programme to introduce framework for better caregiving management
9	The Straits Times	More help for caregivers to cope emotionally with roll-out of new TTSH programme
10	The Straits Times	Pilot scheme to check on caregivers' emotional well-being