Dana Koh Hui Min

Senior Staff Nurse I, Nursing Services, National Healthcare Group Polyclinics (NHGP)

Innovation Interests:
- Implementation of Artificial Intelligence in Healthcare
- Digital Transformation
- Nurses well being
- Chronic Disease Management
- Wound Care

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Biography

Dana Koh is a Senior Staff Nurse at the National Healthcare Group Polyclinics (NHGP). She is the co-lead of the NHGP Nursing Innovation Workgroup Community of Practice. She is also an active member of both the NHGP Innovation Workgroup Committee and the NHGP Nursing Evidence-Based Nursing (EBN) & Research Community of Practice. Dana is currently the Principal Investigator of a pilot study evaluating an AI-based monitoring system known as *Augmented Video Analytics for Medication Adherence (AV-MED),* designed to support medication adherence among tuberculosis patients on directly observed therapy (DOT). She is actively involved in multiple innovation and research initiatives focused on integrating artificial intelligence and digital health technologies into primary care.

Dana graduated with a Bachelor of Science in Nursing with Highest Distinction from the National University of Singapore (NUS), Alice Lee Centre for Nursing Studies. She has also obtained professional certifications from NUS in AI Innovation, Intellectual Property Management & Commercialisation, Trisector Strategy and Innovation, and Healthcare Analytics and Data Storytelling. Currently, she is undergoing a CHI Fellowship in Healthcare Innovation and Leadership.

Selected Publications

- **Koh, H. M. D.,** Lee, C. S. C., Anna, C., & Lau, Y. (2022). Perceptions and experiences of nurses transitioning to primary care: A qualitative study. *International nursing review*, *69*(2), 201–210. https://doi.org/10.1111/inr.12691

- De Roza, J. G., **Koh, D. H. M**., & Goh, L. J. (2025). Impact of health beliefs and risk perception on willingness to undergo osteoporosis assessment among perimenopausal and menopausal

women in primary care: a descriptive cross-sectional study. *BMC primary care*, *26*(1), 150. https://doi.org/10.1186/s12875-025-02847-5

Notable Research and Innovation Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
NHG Health Nursing Innovation Challenge – Awarded the Top 10 teams	2025
Centre for Healthcare Innovation (CHI) Fellowship in Healthcare Innovation and Leadership	2025
Singapore Primary Care Conference (SPCC) – Best Poster Award (Non-Medical)	2023
Asia Pacific Medical Education Conference (APMEC) Oral Presentation – Young Scholar Award Runner-Up	2022

Translating Research and Innovation Into Healthcare

Augmented Video Analytics for Medication Adherence (AV-MED)

- Channel News Asia's documentary feature on "Becoming Human – AI's Next Evolution Part one: AI & Me":
  https://youtu.be/bBmt3NzByL0?si=9vMuhBpDRU_EXjQo&t=2551 (1 Jun 2024)

- Frontier Enterprise:
  https://www.frontier-enterprise.com/synapxe-singapores-healthtech-agency-details-its-ai-vision/ (27 Feb 2024)

- Healthcare IT news:
  https://www.healthcareitnews.com/news/asia/singapore-s-ihis-rebrands-synapxe-announces-new-ai-solutions (31 Jul 2023)

- Channel News Asia Online:
  Singapore's national healthtech agency relaunches as Synapxe (27 Jul 2023)

- Zao Bao News:
  https://www.zaobao.com.sg/news/singapore/story20230727-1418175 (27 Jul 2023)