

Tay Hui Lin



Principal Pharmacist (Clinical), Division of Pharmacy, TTS defence lead, Antimicrobial Stewardship Programme (ASP)

Research Interests:

- Antimicrobial Stewardship
- Gamification in healthcare (serious games)

Email: hui.lin.tay@nhghealth.com.sg

Biography

Ms Tay Hui Lin graduated from Pharmacy at the National University of Singapore (NUS). She completed her Master of Science in Clinical Pharmacy with Distinction from The Queen's University of Belfast. Ms Tay is currently a Principal Pharmacist (Clinical) at Tan Tock Seng Hospital (TTS defence lead). She is in-charge of the curriculum design for the Antimicrobial Stewardship Programme (ASP) team which trains pre-professional healthcare professionals and pharmacists. She is trained in the Quality Improvement (QI) methodology and is a member of the TTS defence CPIP faculty since 2023. She has mentored multidisciplinary teams in their QI project journey as well as implementing QI methodology in ASP work.

Hui Lin's research focus is on ASP-related treatment outcomes and impacts. She has published and shares co-authorships in 12 peer-reviewed journals to date. Hui Lin is also interested in driving innovation by studying the feasibility, acceptance and impact of gamification to the pharmacy workforce and its patients. Hui Lin envisions that gamification and artificial intelligence (AI) will have an adjunctive role to play in shaping the future of pharmacy care and services rendered.

Selected Publications

- Ng TM, Heng ST, Chua BH, Ang LW, Tan SH, Tay HL, Yap MY, Quek J, Teng CB, Young BE, Lin R, Ang B, Lee TH, Lye DC. Sustaining Antimicrobial Stewardship in a High-Antibiotic Resistance Setting. *JAMA Netw Open*. 2022 May 2;5(5):e2210180.
- Tan SH, Ng TM, Tay HL, Yap MY, Heng ST, Loo AYX, Teng CB, Lee TH. A point prevalence survey to assess antibiotic prescribing in patients hospitalized with confirmed and suspected coronavirus disease 2019 (COVID-19). *J Glob Antimicrob Resist*. 2021
- Tan GSE, Tay HL, Tan SH, Lee TH, Ng TM, Lye DC. Gut Microbiota Modulation: Implications for Infection Control and Antimicrobial Stewardship. *Adv Ther*. 2020 Oct;37(10):4054-4067. doi: 10.1007/s12325-020-01458-z. Epub 2020 Aug 7.

- Heng ST, Wong J, Young B, Tay HL, Tan SH, Yap MY, Teng CB, Ang B, Lee TH, Tan HL, Lew TW, Lye DC, Ng TM. Effective Antimicrobial Stewardship StrategIES (ARIES): Cluster Randomized Trial of Computerized Decision Support System and Prospective Review and Feedback. *Open Forum Infect Dis.* 2020 Jun 29;7(7):ofaa254.
- Tay HL, Chow A, Ng TM, Lye DC. Risk factors and treatment outcomes of severe Clostridioides difficile infection in Singapore. *Sci Rep.* 2019 Sep 17;9(1):13440.