



## Lee Eng Sing

Family Physician, Senior Consultant  
Principal Clinical Researcher, Deputy Director, Clinical Research Unit, NHGP  
Clinician Scientist, Lee Kong Chian School of Medicine

### Research Interests:

- Multimorbidity
- Chronic Disease Management
- Epidemiology

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## Biography

Dr Lee Eng Sing is a Senior Consultant Family Physician, Principal Clinician Researcher and Deputy Director of the Clinical Research Unit at the National Healthcare Group Polyclinics. He is also a Clinician Scientist at the Lee Kong Chian School of Medicine and the Clinical Lead at the MOH Office of Healthcare Transformation. He completed his medical degree at Aberdeen University, followed by postgraduate training of Masters in Medicine (Family Medicine) at the National University of Singapore and PhD (Family Medicine) at the University of Western Ontario, Canada. Dr Lee Eng Sing is currently leading research in the area of multimorbidity at the institutional level and national level.

## Selected Publications

- Sim SZ, Koh HL, Lee SPS, Young DY, Lee ES. How does multimorbidity affect middle-aged adults? A cross-sectional survey in the Singapore primary healthcare setting. *BMC Family Practice*. 2020; 21(1).
- Tan XW, Xie Y, Lew JK, Lee PSS, Lee ES. Patterns of patients with multiple chronic conditions in primary care: A cross-sectional study. *Plos One*. 2020; 15(8).
- Ong KY, Lee PSS, Lee ES. Patient-centred and not disease-focused: a review of guidelines and multimorbidity. *Singapore Med J*. 2020; 61(11):584-590.
- Lee YAJ, Xie Y, Lee PSS, Lee ES. Comparing the prevalence of multimorbidity using different operational definitions in primary care in Singapore based on a cross-sectional study using retrospective, large administrative data. *BMJ Open*. 2020; 10:e039440. doi: 10.1136/bmjopen-2020-039440
- Lee ES, Muthulingam G, Chew EAL, Lee PSS, Koh HL, Quak SXE, Ding YY, Subramaniam M, and Vaingankar JA. Experiences of Older Primary Care Patients with Multimorbidity and Their Caregivers in Navigating the Healthcare System: A Qualitative Study Protocol. *Journal of Comorbidity*. 2020 Dec 29. doi: 10.1177/2235042X20984064.
- Chua YP, Xie Y, Lee PSS, Lee ES. Definitions and Prevalence of Multimorbidity in Large Database Studies: A Scoping Review. *International Journal of Environmental Research and Public Health*. 2021 Feb; 18(4):1673. <https://doi.org/10.3390/ijerph18041673>
- Lee ES, Koh HL, Ho EQ-Y, Teo SH, Wong FY, Ryan BL, Fortin M, Stewart M. Systematic review on the instruments used for measuring the association of the level of multimorbidity and clinically important outcomes. *BMJ Open*. 2021 May 5;11(5):e041219. doi:10.1136/bmjopen-2020-041219

- Rajoo SS, Wee ZJ, Lee PSS, Wong FY, Lee ES. A Systematic Review of the Patterns of Associative Multimorbidity in Asia. *BioMed Research International*. 2021 Jul 5. doi:10.1155/2021/6621785
- Lee ES, Lee PSS, Xie Y, Ryan BL, Fortin M, Stewart M. [The prevalence of multimorbidity in primary care: a comparison of two definitions of multimorbidity with two different lists of chronic conditions in Singapore](#). *BMC Public Health*. 2021 Jul 16; 21:1409.
- Tan SY, Lew KJ, Xie Y, Lee PSS, Koh HL, Ding YY, Lee ES. [Healthcare cost of patients with multiple chronic diseases in Singapore public primary care setting](#). *Annals - Academy of Medicine Singapore*. 2021 Nov 29; 50:809-817.

### Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
Centre for Primary Health Care and Innovation Seedcorn Funding	2017
Singapore Health Biomedical Congress (SHBC) Primary Care Research Oral Presentation – Bronze Award	2019
7 <sup>th</sup> Asia Pacific Primary Care Research Conference Long Oral Presentation – 1 <sup>st</sup> Prize	2019
North America Primary Care Research Group (NAPCRG) Conference Distinguished Trainee Research Award – 3 <sup>rd</sup> Prize	2019
NHG Research & Innovation Awards – Research Impact Category	2020
GERI COVID-19 Research Grant	2020