

Terence C. Cheng

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Research Interests

Health Economics, Health Policy, Labour Economics, Applied Econometrics.

Education

Ph.D. Health Economics, Australian National University, 2011

M.Soc.Sci., Economics, National University of Singapore, 2005

B.Soc.Sci. (Honours), Economics, National University of Singapore, 2002

Academic Positions

Monash University, Associate Professor, August 2024 - present

Harvard University, T.H. Chan School of Public Health, Research Scientist, May 2021 - August 2024

University of Adelaide, School of Economics, Senior Lecturer, 2015 - April 2021.

Singapore Management University, Centre for Research on the Economics of Ageing, Senior Research Fellow, 2019 - 2020

Singapore Management University, School of Economics, Visiting Associate Professor, 2019.

University of Melbourne, Melbourne Institute, Research Fellow, 2009 - 2014

Affiliations & Short-Term Visits

University of Melbourne, Melbourne Institute, Honorary Senior Fellow, 2015 - 2020

Auckland University of Technology, Centre for Social Data Analytics, Visiting Scholar, 2018 - 2019

University of Michigan, Ross Business School, Visiting Scholar, November 2017

Publications

Journal Articles (Health Economics, Economics)

1. Cheng T.C., Kim S., Petrie D., 2024. "Health shocks, health and labor market dynamics, and the socioeconomic health gradient in older Singaporeans" *Social Science and Medicine*, 348, 116796
doi.org/10.1016/j.socscimed.2024.116796
2. Fu H., Cheng T.C., J. Zhan, Xu D. and Yip W., 2024. "Dynamic effects of the COVID-19 pandemic on the demand for telemedicine: Evidence from China" *Journal of Economic Behavior and Organization*, 220, 531–557.
doi.org/10.1016/j.jebo.2024.02.015

3. Xiang J., Cheng T.C., Fu H. and Yip W., 2024. "Price dispersion in an online health marketplace: Evidence from telemedicine services in China", *Economics Letters*, 111435, 2024. doi.org/10.1016/j.econlet.2023.111435
4. Cheng T.C., K. Koh and Kim S., 2023. "Life satisfaction changes and adaptation in the COVID-19 pandemic: Evidence from Singapore", *Singapore Economic Review*, 2022. doi.org/10.1142/S0217590822500370
5. Jayawardana D., N. Baryshnikova and Cheng T.C., 2022 "The long shadow of child labour on adolescent mental health: A quantile approach". *Empirical Economics*, 64, 77-97 doi.org/10.1007/s00181-022-02241-5
6. Ampofo A., Cheng T.C., and Doko-Tchatoka F., 2022. "Oil extraction and spillover effects into local labour market: Evidence from Ghana" . *Energy Economics*, 106, 105699.
7. Buchmueller T., Cheng T.C., Pham N.A and Staub K., 2021. "The effect of income-based mandates on the demand for private health insurance and its dynamics." *Journal of Health Economics*, 75, 102403. doi.org/10.1016/j.jhealeco.2020.102403
8. Song J. and Cheng T.C., 2020. "How do gender differences in family responsibilities affect doctors' labour supply? Evidence from Australian panel data." *Social Science and Medicine*, 265, 113475. doi.org/10.1016/j.socscimed.2020.113475
9. Yang, O., Chan M.K., Cheng T.C., and Yong J., 2020. "Cream-skimming: Theory and evidence from hospital transfers and capacity utilization," *Journal of Economic Behavior & Organisation*, 173, 68-87
10. Cheng T.C, J. Li, and Vaithianathan R., 2019. "Monthly spending dynamics of the elderly following a health shock: Evidence from Singapore," *Health Economics*, 28(1), 23-43
11. Cheng T.C, Kalb G. and Scott A., 2018. "Public, private or both? Analysing factors influencing the labour supply of medical specialists", *Canadian Journal of Economics*, 51(2), 660-692
12. Cheng T.C, Costa-Font J., and Powdthavee N., 2018, "Do you have to win it to fix it? A longitudinal study of lottery winners and their health care demand", *American Journal of Health Economics*, 4(1), 26-50
13. Kalb G., Kuehnle D., Scott A., Cheng T.C., and Jeon S-H., 2018. "What factors affect doctors' hours decisions? Comparing structural discrete choice and reduced-form approaches", *Health Economics*, doi 10.1002/hec.3572
14. Cheng T.C, Powdthavee N., and Oswald A., 2017. "Longitudinal evidence for a midlife nadir in human well-being: Results from four data sets", *Economic Journal*, 127(559), 126-142
15. Schurer S., D. Kuehnle, A. Scott and T.C. Cheng (2017), "One man's blessing, another woman's curse: Do family factors explain the gender-earnings gap of doctors". *Industrial Relations: a Journal of Economy and Society*, 55, 385-414
16. Cheng T.C and Trivedi P., 2015. "Attrition bias in panel data: A sheep in wolf's clothing? A case study based on the MABEL survey", *Health Economics*, 24(9), 1101-1117
17. Cheng T.C., Haisken-Denew J., and Yong J., 2015. "Creaming skimming and hospital transfers in a mixed public-private system", *Social Science and Medicine*, 132, 156-164
18. Cheng T.C. 2014, "Measuring the effects of removing subsidies for private insurance on public expenditure for health care". *Journal of Health Economics*, 33, 159-179
19. Cheng T.C., Palangkaraya A., and Yong J., 2014. "Hospital utilisation in a mixed public-private system: Evidence from Australian hospital data", *Applied Economics* 46(8), 859-870
20. Cheng T.C., Scott A., Jeon S-H., Kalb G., Humphreys J., and Joyce C., 2011. "What factors influence the earnings of General Practitioners and medical specialists in Australia? Evidence from the MABEL survey", *Health Economics* 21(11), 1300-1317

Journal Articles (Health Policy)

21. Cheng T.C., and W. Yip "Progress, policies, and prospects for internet telemedicine in China". *Health Systems and Reform*, 10(2). doi.org/10.1080/23288604.2024.2389570
22. Bose B., Cheng T.C., Kalita A., Haakenstad, A. and Yip W. "Resource shortage in public health facilities and private pharmacy practices in Odisha, India", *Health Policy and Planning*, 39(10), 1074–1086. doi.org/10.1093/heapol/czaeo86
23. Cheng T.C., Sylvia S and Yip W., 2024 "Innovative approaches of measuring care quality in China's market for telemedicine". *Lancet Regional Health Western Pacific*. [Commentary], 46, 101070.
24. Xue Q., Xu D., Cheng T.C, Pan J., Yip W., 2023. "The relationship between hospital ownership, in-hospital mortality, and medical expenses: an analysis of three common conditions in China". *Archives of Public Health*, 81(19)
25. Fu H., Xu D., Zhan J., Cheng T.C, and Yip W., 2022 "Understanding online dual practice of public hospital doctors in China: a mixed-methods study". *Health Policy and Planning*, doi.org/10.1093/heapol/czac017
26. Cheng T.C, Fu H., Xu D., and Yip W., 2022 "Technology platforms are revolutionizing health care service delivery in China" *New England Journal of Medicine Catalyst* [Commentary], doi: 10.1056/CAT.21.0414
27. Edney, L., Haji Afzali H., Cheng T.C., and Karnon J., 2018. "Mortality reductions from increased public health care expenditure: a role for instrumental variable mean and quantile estimates", *Health Policy*, 122(8), 892-899
28. Edney, L., Haji Afzali H., Cheng T.C., and Karnon J., 2018. "Estimating the reference ICER for the Australian health system", *Pharmacoeconomics* 36(2), 239-252
29. Wang W.C., Joyce C., and Cheng T.C., 2015. "Changes in doctors' working hours: A longitudinal analysis", *Medical Care Research and Review*, 72(5), 605-621
30. Cheng T.C., Joyce C., and Scott A., 2013. "An empirical analysis of public and private practice by medical specialists in Australia". *Health Policy* 111(1), 43-51

Working papers and selected research in progress

(*indicates a current PhD candidate's thesis research; †older working papers no longer being updated.)

31. "Services and cash: How long-term care insurance benefit design affects household behavior in China" (with Miao Guo, Yang Li & Minghao Wu) [Working paper]
32. "Word-of-mouth and health care decisions" (with Bijetri Bose, Jonah Goldberg & Kaisheng Lim)
33. "Prohibition in health care" (with Hongqiao Fu, Jia Xiang & Duo Xu)
34. *"The dynamic effects of breast cancer diagnosis on healthcare expenditure" (with Aarushi Aarushi, Brenda Gannon, Luke Connelly & Gita Mishra)
35. †Cheng T.C., N. Powdthavee, R. Vaithianathan. "Can health insurance speed up hedonic adaptation to major health shocks?"
36. †Cheng T.C., F. Vahid, "Demand for hospital care and private health insurance in a mixed-public private system: empirical evidence using a simultaneous equation modelling approach"

Commission, Technical Reports, Etc.

37. Cheng T.C, Yip W. and Feng Z. "Public provision and financing of long-term care: case studies in middle- and high-income countries". Geneva: World Health Organization; 2023.
38. Fu H., Cheng T.C, Xu D. and Wang Y. "China's Internet Health Market", India Health Systems Project, Working Paper No. #6. December 2022.
39. Cheng T.C. "Modelling the impact of private health insurance rebate changes on public hospital utilisation and expenditure". Department of Health and Human Services, Victoria, Australia. January 2016.
40. Yan W., D. Kuehnle, A. Scott, T.C. Cheng et al. "MABEL User Manual". 2010—2014.
41. Scott A., M. Liu, J. Yong and T.C. Cheng. "Determinants of medical wage cost". Department of Health, Victoria, Australia. July 2014.
42. Cheng T.C. "Earnings and job satisfaction among medical workers in Cambodia". World Bank. May 2014.
43. Scott A., C. Joyce, T.C. Cheng and W. Wang. "Medical career path decision making: A rapid review". Sax Institute, NSW Ministry of Health. August 2013.
44. Yan W., T.C. Cheng et al. "Data Survey: Medicine in Australia: Balancing Employment and Life (MABEL)". Australian Economic Review, 2011, 44(1), 102-112.
45. Scott A., P. Sivey and T.C. Cheng. "Patterns and determinants of medical and nursing workforce exits". National Health Workforce Planning and Research Collaboration, December 2011.
46. Scott A. and T.C. Cheng. "Workload measures for allied health workforce". National Health Workforce Taskforce, May 2010.

Other Writings

"Are private hospitals really in trouble. Is more public funding the answer? The Conversation, September 2024. [Link]

"Managing the health of online care in China", East Asia Forum, July 2022.

"Coronavirus and well-being of Senior Singaporeans. Insights from the Singapore Life Panel". June 2020.

"Premiums up, rebates down, and a new tired system – what the private health insurance changes mean", The Conversation, March 2019.

"Private health insurance rebates don't serve their purpose. Lets talk about scrapping them", The Conversation, February 2018

"Are private patients in public hospitals a problem?" With Peter Sivey, The Conversation, July 2017.

"Policy downgrades – a closer look", in Is Health Insurance Worth It, Health Voices, April 2017.

"Can private health insurers justify a 6.2% increase in premiums? The Conversation, March 2015.

"Book Review: Moral Hazard in Health Insurance", by Amy Finkelstein (Columbia University Press, New York, 2014). Economic Record, 2015, 91(295), 537-539.

"Why its time to remove private health insurance rebates?" The Conversation, July 2013.

"Health funding: What should we do differently?" (with A Scott), Health Voices, April 2013.

"Private sector reforms don't spell the end of the NHS", With Peter Sivey, The Conversation, April 2012

"Medicine in Australia: Balancing Employment and Life". Surgical News, 2010; 11(1): 32-33. (Royal Australian College of Surgeons).

Competitive Research Funding

“Aging Well in Place: International Practices and the Potential Roles of Technology”. Social Technology for Global Aging, Harvard University. Role: Co-Principal Investigator. US\$40,000. 03/2024–12/2024.

“Assessing the Effects and Potentials of Direct-to-Consumer Telemedicine in China” Funder: Harvard China Fund. Role: Co-Principal Investigator. US\$50,000. 04/2023–03/2024.

“Research studying how countries publicly finance long-term care”. Funder: World Health Organization Kobe Centre. Role: Co-Principal Investigator. US\$243,680. 07/2022–06/2023.

“Incentives in Private Health Financing in Australia’s Public-Private System” Funder: Faculty of Professions, The University of Adelaide. 2017.

“Networks in the Medical Labour Market”. Funder: Faculty of Professions, The University of Adelaide. 2015.

“Attrition, Attrition Bias and Refreshment Samples: A Case Study from a Longitudinal Survey of Doctors”. Funder: The University of Melbourne Faculty Research Grant. 2013.

Honours & Awards

Australian Endeavour Research Fellowship, 2018

Executive Dean’s Award for Research Excellence, 2017

Executive Dean’s Commendation for Research Excellence, 2015

Traveling Scholarship, Conference of the Australian Health Economics Society, 2008.

Invited Seminars, Forums

(* indicates scheduled event)

2024 Monash University; Indiana University; National University of Singapore

2023 GHP Harvard Brown Bag; Ningbo University; Harvard Takemi Symposium.

2020–2022 Health and Well-Being Workshop Melbourne; Workshop on Variations in Health Care (Invited moderator); International Health Economics Association World Congress (Invited discussant); Singapore Management University; TH Chan Research Scientist Fall Seminars.

2019 Auckland University of Technology; Centre for Business and Economics of Health, University of Queensland; Deakin University; Singapore-Japan Academic Forum on Ageing, Hitotsubashi University.

2018 Victoria University of Wellington; Singapore Management University Japan-Singapore Joint Workshop on Ageing; Monash University; Centre for Global Food and Resources.

2017 Health and Well-Being Workshop Melbourne; University Technology Sydney; Centre for Research on Economics of Aging Policy Roundtable, Singapore; University of Western Australia; University of Michigan; McMaster University; University of Toronto.

Conference & Workshop Presentations

- 2024 Australian Health Economics Society Conference, Asian & Australasian Society of Labour Economics Conference
- 2023 American-European Health Economics Study Group.
- 2021 International Health Economics Association World Congress (Session organizer, chair; presenter).
- 2019 Australasian Workshop on Econometrics and Health Economics; International Health Economics Association World Congress; Australian Health Economics Society Conference.
- 2018 Australian Health Economics Society Conference.
- 2017 Australasian Workshop on Econometrics and Health Economics; Labour Econometrics Workshop.
- 2016 European Conference of Health Economics; Econometrics Workshop Adelaide.
- 2015 International Panel Data Conference; Australian Health Economics Society Conference.
- 2014 MABEL Data User Training; MABEL Research Forum; Australasian Workshop on Econometrics and Health Economics; Inaugural Conference of the Singapore Health Economics Association; Australian Health Economics Society Conference.
- 2013 Australasian Workshop on Econometrics and Health Economics; World Congress on Health Economics; Australian Health Economics Society;
- 2012 University of Wollongong; European Conference on Health Economics; Commonwealth Treasury; Australasian Workshop on Econometrics and Health Economics.
- 2011 Australian Conference of Health Economists; World Congress on Health Economics; Annual Meeting of the Canadian Health Economics Study Group.
- 2010 World Congress of the Econometric Society; University of York; Workshop on Applied Health Economics and Policy Evaluation; University of Adelaide; Australasian Workshop on Econometrics and Health Economics.

Teaching

Harvard University

Master, PhD: Econometrics for Health Policy (2022, 2023)

University of Adelaide

Undergraduate: Data Analytics (2020), Advanced Economic Analysis (2015-2019), Quantitative Methods for Economic Analysis (2020)

Master: Applied Health Economics Evaluation Research Project (2019)

Ph.D:

Courses: Advanced Econometrics (2015-2020)

Student Supervision (past):

Jia Song (chair, up to 2021; first job: Flinders University)

Danusha Gunaseela (co-supervisor, 2020; first job: University of Queensland)

Frank Darkwah (chair, 2019)

Akwasi Ampofo (co-supervisor, 2019; first job: Royal Australian College of Surgeons)

Dessie Ambaw (co-supervisor, 2017; first job: University of Adelaide)

Singapore Management University

Undergraduate: Health Systems and Policy (2019)

Professional Service

Editorial Service

Editorial Board member, *Health Systems and Reform*. 2024 –

International Health Economics Association

Scientific Committee Program Chair, 16th conference, Bali, Indonesia, 2025.

Scientific Committee Program Chair, 15th conference, Cape Town, South Africa, 2023.

Scientific Committee Review Panel member, 14th conference, virtual, 2021.

Scientific Committee Review Panel member, 13th conference, Basel, Switzerland, 2019.

Scientific Committee Review Panel member, 12th conference, Milan, Italy, 2017.

Australian Health Economics Doctoral Conference

Scientific Committee Member, 8th conference, virtual, 2020.

Scientific Committee Member, 7th conference, Melbourne, Australia, 2019.

Reviewer: *American Economic Review*, *American Journal of Health Economics*, *B.E. Journal of Economic Analysis and Policy*, *Economic Record*, *Economic Modeling*, *European Journal of Health Economics*, *Health Economics*, *Health Economics Policy and Law*, *Health Policy*, *Health System and Reform*, *Human Resource for Health*, *International Journal of Environmental Research and Public Health*, *International Journal of Health Care Financing and Management*, *Journal of Economic Behaviour and Organisation*, *Journal of Health Economics*, *Management Science*, *Medical Journal of Australia*, *National Science Foundation*, *Public Opinion Quarterly*, *Singapore Economic Review*, *Social Science and Medicine*.

University Service

Harvard University

Committee Member, Research Scientist Association, T.H. Chan School of Public Health, 2022–

University of Adelaide; School of Economics

Member, Faculty of Professions Research Taskforce, 2018

Co-Lead, Outreach Systems Theme, Engage for Change, Faculty of Professions, 2018

Honours Coordinator, School of Economics, 2018 - 2020

Research Committee member, School of Economics, 2016 - 2017

Recruiting Committee, School of Economics, 2016, 2017

Seminar Coordinator, School of Economics, 2015 – 2016

Professional Memberships

Australian Health Economics Society, International Health Economics Association