

# Chay Junxing

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## Education

Singapore Management University	2020	PhD (Economics)
National University of Singapore	2015	MSc (Statistics)
University of Melbourne	2011	BCom (Economics)

## Employment

Research Fellow	Duke-NUS Medical School, Lien Centre for Palliative Care	2020 – Present
Research Assistant	Singapore Management University, School of Economics	2017 –2020
Data Scientist	Merck Sharp & Dohme, Global Innovation Network @ Singapore	2015 –2016
Research Assistant	Duke-NUS Medical School, Health Services & Systems Research	2012 –2015
Research Assistant	University of Melbourne, Department of Economics	2011 –2012

## Publications in Peer-Reviewed Journals

1. Chay, J., & Kim, S. (2022). Heterogeneous health effects of medical marijuana legalization: Evidence from young adults in the United States. *Health Economics*, 31(2), 269– 283.
2. Chay, J., Fenner, B.J., Finkelstein, E.A., Teo, K.Y.C., Cheung, C.M.G. (2021). Real-world cost-effectiveness of anti-VEGF monotherapy and combination therapy for the treatment of polypoidal choroidal vasculopathy. *Eye*. doi: 10.1038/s41433-021-01856-9.
3. Teo, I., Chay, J., Cheung, Y. B., Sung, S. C., Tewani, K. G., Yeo, L. F., ... & Tan, H. K. (2021). Healthcare worker stress, anxiety and burnout during the COVID-19 pandemic in Singapore: A 6-month multi-centre prospective study. *PLOS ONE*, 16(10), e0258866.
4. Sum, G., Ho, S. H., Lim, Z. Z. B., Chay, J., Ginting, M. L., Tsao, M. A., & Wong, C. H. (2021). Impact of a patient-centered medical home demonstration on quality of life and patient activation for older adults with complex needs in Singapore. *BMC Geriatrics*, 21(1), 1-11.
5. Kwong, K. S., Tse, Y. K., & Chay, J. (2021). A hybrid equity release plan for retirement financing. *Asia-Pacific Journal of Risk and Insurance*, 15(1), 23-46.
6. Finkelstein, E. A., Mansfield, C., Wood, D., Rowe, B., Chay, J., & Ozdemir, S. (2017). Trade-offs between civil liberties and national security: A discrete choice experiment. *Contemporary Economic Policy*, 35(2), 292-311.
7. Finkelstein, E., Malhotra, C., Chay, J., Ozdemir, S., Chopra, A., & Kanesvaran, R. (2016). Impact of treatment subsidies and cash payouts on treatment choices at the end of life. *Value in Health*, 19(6), 788-794.
8. Finkelstein, E. A., Chay, J., & Bajpai, S. (2014). The economic burden of self-reported and undiagnosed cardiovascular diseases and diabetes on Indonesian households. *PLoS One*, 9(6), e99572.
9. Zheng, Y. F., Pan, C. W., Chay, J., Wong, T. Y., Finkelstein, E., & Saw, S. M. (2013). The economic cost of myopia in adults aged over 40 years in Singapore. *Investigative ophthalmology & visual science*, 54(12), 7532-7537.

## Book Chapters

1. Chay, J. & Kim, S. (2021). Retirement preparedness in Singapore. In H.T. Hoon (Ed.). *The Singapore Economy: Dynamism and Inclusion*. Routledge.

## Working Papers

1. Chay, J., Tan, K. B., Finkelstein, E.A. Effect of Singapore's Pioneer Generation Package on healthcare utilization, healthcare spending, and health. (Submitted to *Health Economics*)
2. Chay, J., Huynh V.A., Lamoureux, E., Tham, K.W., Finkelstein, E.A. Economic burden of excess weight among older adults in Singapore. (Submitted to *BMJ Open*)
3. Teo, I., Chay, J., Quek L.M., Bhaskar, A., Cheung, Y. B., Sung, S. C., ... & Tan, H. K. Healthcare worker job burnout, anxiety and depression during the COVID-19 pandemic: A one year comparison study in Singapore. (Submitted to *Asia-Pacific Psychiatry*)
4. Sum, G., Kadir, M.M., Ho, S.H., Yoong, J., Chay, J., Tsao, M.A., & Wong, C. H. Cost analysis of a Patient-Centered Medical Home (PCMH) for community-dwelling older adults with complex needs in Singapore. (Submitted to *BMC Geriatrics*)
5. Sim, S.Y.H., Chay, J., Ho, S.H., Ginting, M. L., Lim, Z.Z.B., Sum, G., Yoong, J., & Wong, C. H. Impact of a patient centered medical home on healthcare utilization for patients with complex needs in Singapore: A matched cohort study. (Submitted to *BMC Health Services Research*)

## Research Grants

1. National Medical Research Council (Singapore), Health Services Research New Investigator Grant, 2021, "Impact of Cancer on Labour Market Outcomes and Workplace Productivity of Survivors and their Informal Caregivers", SGD 99,076, Principal Investigator.

## **Honours & Awards**

Khoo Postdoctoral Fellowship Award, 2021  
Presidential Doctoral Fellowship, 2016-2019  
Joint Best First Year Student Prize, 2017  
Jean Polglaze Memorial Prize for Applied Microeconomic Modelling, 2010  
Dean's Honours List, 2009 & 2010

## **Teaching**

National University of Singapore, 2022 Co-Instructor	Economic Methods in Health Technology Assessment (Postgrad)
Singapore Management University, 2019 Instructor	Empirical Economics (Postgrad) Empirical Economics (Undergrad)

## **Programming Knowledge**

Stata, R, TreeAge, LaTeX, SQL