

CHEN HUIJUN CYNTHIA

Assistant Professor
Saw Swee Hock School of Public Health
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EDUCATION

Jan 2012 – Jan 2015 **Doctor of Philosophy (PhD in Public Health)** Saw Swee Hock School of Public Health, National University of Singapore (NUS)
Aug 2009 – May 2011 **Masters of Science (Statistics)**, Department of Statistics, NUS
Aug 2005 – May 2009 **Bachelor of Science Honours (Statistics (Major) & Mathematics (Minor))**, NUS
Jan 2003 – Dec 2004 **GCE 'A' Levels**, Anderson Junior College
Jan 1999 – Dec 2002 **GCE 'O' Levels**, Bowen Secondary School

WORKING EXPERIENCE

Aug 2017 – Present **Assistant Professor:** Saw Swee Hock School of Public Health, NUS, SGP
❖ Healthcare financing
❖ Economics of ageing
❖ Economic evaluation of interventions and programs
❖ Disability and healthcare expenditure among future elderly

Aug 2017 – Present **Fellow:** Schaeffer Center for Health Policy & Economics, USC, USA
❖ Economic and demographic microsimulation modeling
❖ Racial disparities in Alzheimer's Disease and Dementia in the USA
❖ Impact of caregiving on caregivers' health
❖ Ageing Society Index: measuring adaptation of societal aging

May 2015 – Aug 2017 **Postdoctoral Scholar:** University of Southern California, USA
❖ Economic and demographic microsimulation modeling
❖ Econometrics methods: instrumental variables, regression discontinuity and propensity scores matching
❖ Microeconomic analysis and policy

Nov 2014 – Apr 2015 **Research Associate:** National University of Singapore
❖ Gender and old-age economic security in Asia
❖ Cost-effectiveness analysis on vaccination

May 2014 – Oct 2014 **Research Scholar:** Washington University in St. Louis, USA
❖ International comparison of stroke outcomes in Australia, Singapore, USA
❖ Cluster analyses of patient's participation indicators

Jan 2012 – Nov 2014 **PhD student:** National University of Singapore
❖ Multivariable analyses using linear, logistic, multinomial, survival models and principal component analysis on projects
❖ Presented at overseas conferences on epidemiology, disability and ageing
❖ Research collaboration with local ministries (MOH, HPB, NRDO, AIC)
❖ Cost effectiveness analysis with London School of Hygiene & Tropical Medicine
❖ Taught post-graduate class on quantitative epidemiologic methods

Sep 2011 – Jan 2012 **Policy Analyst:** Prime Minister's Office, National Population and Talent Division
❖ Half-yearly statistical report on Singapore population for Cabinet Ministers
❖ Trends analysis for policy on Population White Paper
❖ Presented at inter-ministerial meetings with MOH and MCYS

Jun 2009 – Aug 2011 **Research Assistant:** National University of Singapore
❖ Multivariate analyses using linear and conditional logistic models on projects
❖ Piloted questionnaire and conducted interviews
❖ Conducted statistical courses to year 3 medical students using SPSS

AWARDS

ACADEMIC AWARDS

2019/2020 Young Researcher Award (SSHSPH, NUS)
2014 Best Oral Presentation (Group) (U21 Graduate Conference, Uni of Auckland, NZ)
2012 Best Oral Presentation Runner Up (Singapore Intl Public Health Conference)
2007 – 2008 Dean's List Recipient
2000 – 2002 Ministry of Education Edusave Scholarships (awarded to top 10% of students)

SPORTS AWARDS

2003 1st Colors Award (Singapore Schools Sports Council); ASEAN School, Netball Singapore
2004 Team Award (Singapore Schools Sports Council)

SCHOLARSHIPS

No.	Title of scholarship	Funder	Funding Amount	Period
1)	NUS Overseas Postdoctoral Scholarship	NUS	S\$195,000	2015-2017
2)	McDonnell International Symposium	WUSTL	US\$4,607	2014
3)	U21 Graduate Research Conference and Travel	Universitas 21 and NUS	S\$1,600	2014
4)	NUS PhD Scholarship	NUS	S\$108,000	2012-2014

GRANTS AS PRINCIPAL INVESTIGATOR (PI)

Title of Grant	Funder	Funding Amount	Period
Forecasting the burden and long-term impact of poor mental health on healthcare utilisation and cost in the community versus secondary/tertiary care setting	NMRC Health Services Research Competitive Research Grant, SGP <i>NMRC/HSRGMH/0002/2018</i>	S\$624,132*	2019-2022
Measuring Singapore and Asia multi-dimensional adaptation to societal ageing	Ministry of Education AcRF Tier 2, SGP <i>MOE2018-T2-2-070</i>	S\$534,372*	2019-2022
“Physical Activity at Work (PAW)” program :a cross-country clustered randomized control trial in Asia (Co-PI with Yot Teerawattananon, HITAP)	Thai Health Promotion Foundation, Thailand <i>Project#: 62-01764</i>	฿6,349,214 (S\$284,718)	2019-2021
Healthcare utilisation and spending in the last six months of life	Ministry of Education AcRF Tier 1, SGP	S\$50,000	2019-2021
Racial disparities in health and medical expenditure of the future elderly in Singapore	National University of Singapore Start-up grant, SGP	S\$180,000	2018-2020
Economic Dimensions of Personalised Medicine in Breast Cancer Treatment	Ministry of Education AcRF Tier 1, SGP	S\$150,000	2018-2020
Healthy ageing and population mental health – predicting mental health and hospitalization cost of future elderly in Singapore	Singapore Population Health Improvement Centre (SPHERiC) <i>SGP SPHERiC – 009</i>	S\$50,000	2018-2020
Forecasting the health and medical expenditure of the future elderly – Future Elderly Model for Singapore	NMRC Health Services Research Competitive Research Grant, SGP <i>NMRC/HSRG/0077/2017</i>	S\$448,464*	2017-2019
Health and Economic Impacts of Undiagnosed Diabetes	National Institute On Aging of the National Institutes of Health, USA <i>P30AG024968</i>	US\$12,900 (S\$17,659)	2017-2018
Total as PI *includes 20% Indirect Research Cost		S\$2,339,345 (US\$1,708,564)	

GRANTS AS THEME PI

Title of Grant	Funder	Funding Amount	Period
Prevention of and Biomarkers for Vascular Cognitive Impairment (PI: Christopher Chen) - Theme PI: Linking research results to public and clinical policy development	NMRC Open Fund Large Collaborative Grant, SGP <i>OFLCG19May-0035</i>	S\$10,000,000	2021-2026

GRANTS AS CO-INVESTIGATOR (Co-I) or COLLABORATOR

Principal Investigator	Title of Grant	Funder	Funding Amount	Period
Dr Huso Yi	In-Person and Online Social Networking to Reduce Loneliness among Older Adults	Ministry of Education AcRF Tier 1, SGP	S\$150,000	2019-2021
Dr Stanley Winser	Physical and Cognitive Training (PACT) for fall prevention among community-dwelling elderly at the risk of falls in Hong Kong. A pilot randomized controlled trial with economic evaluation	Hong Kong Polytechnic University, Faculty Collaborative Research Scheme, HKG	HK\$248,824 (S\$43,531)	2019-2020
A/P Reshma Merchant	Healthy Older People Everyday (HOPE) To Age in Place: Design and Implementation of an innovative and cost-effective electronic Rapid Geriatric Assessment tool for the Screening and Management of Frailty in Community Dwelling Older Adults	MOH National Innovation Challenge, SGP <i>MOH/NIC/HAIG02/2017</i>	S\$1,856,386*	2018-2021
A/P Reshma Merchant	Healthy Older People Everyday (HOPE) – Role of High Protein Diet on Muscle and Bone Health	NMRC Health Services Research Competitive Research Grant, SGP <i>HSRG-HP17Jun003</i>	S\$341,068	2018-2020
Dr Kavita Venkataraman	Trends in rehabilitation outcomes, survival and disability burden following inpatient rehabilitation and sub-acute care at community hospitals between 2006 and 2015	NMRC Health Services Research Competitive Research Grant, SGP	S\$475,000	2017-2019
Dr Julie Zissimopoulos	Racial Disparities in the Health of Caregivers for Persons with Alzheimer's Disease	National Institutes of Health, USA <i>1R03AG054120-01</i>	US\$165,000* (S\$223,113)	2017-2018
Total as Co-I or Collaborator			S\$3,089,098	
*includes Indirect Research Cost			(US\$2,256,604)	

REVIEWER

2014 – Present *Journal of Gerontology Social Sciences, European Journal of Public Health, BMJ Open, Archives of Physical Medicine and Rehabilitation, Asia Pacific Journal of Public Health*

COMMITTEE

2020 – Present Next Age Institute, NUS, Steering committee member. NUHS Health Services Research Grant Reviewer and Chair of Review Committee. Global Disease Burden meeting, Researcher for IHME Research Network on an Ageing Society, Researcher Vaccine Impact Modelling Consortium, Researcher

SKILLS

Statistical software Statistics SAS, SPSS, R, Stata, Matlab, Minitab
Analysis of data, Categorical Analysis, Multivariate regression, Logistic Regression, Survival Analysis, Longitudinal analysis, RCT, Survey Methodology, Principal component analysis, Cluster analysis

PUBLICATIONS

- 1) **Chen C**, Maung K, Rowe JW; Research Network on an Aging Society (2021). Gender differences in countries' adaptation to societal ageing: an international cross-sectional comparison. *The Lancet Healthy Longevity*; 8: e460–469; [https://doi.org/10.1016/S2666-7568\(21\)00121-5](https://doi.org/10.1016/S2666-7568(21)00121-5).
- 2) Sun, Y., Wong, S. Y. S., Zhang, D., **Chen, C**, & Yip, B. H. K. (2021). Behavioral activation with mindfulness in treating subthreshold depression in primary care: A cost-utility and cost-effectiveness analysis alongside a randomized controlled trial. *Journal of Psychiatric Research*, 132, 111-115. doi:10.1016/j.jpsychires.2020.10.006

- 3) Yao J, Tan CS, Lim N, Tan J, **Chen C**, Muller FR. Number of daily measurements needed to estimate habitual step count levels using wrist-worn trackers and smartphones in 212,048 adults. *Nature Sci Rep* 11, 9633 (2021). <https://doi.org/10.1038/s41598-021-89141-3>.
- 4) Ng JX, Chia JCH, Loo LY, Lim ZK, Kho K, **Chen C**, & Fong NP. (2021). Chronic disease self-management competency and care satisfaction between users of public and private primary care in Singapore. *Annals of the Academy of Medicine, Singapore*, 50(2), 149-158. doi:10.47102/annals-acadmedsg.2020216
- 5) Sun Y, Wong SYS, Zhang D, Chen C, Yip BHK. (2021) Behavioral activation with mindfulness in treating subthreshold depression in primary care: A cost-utility and cost-effectiveness analysis alongside a randomized controlled trial. *Journal of Psychiatric Research* 132:111-115
- 6) **Chen C**, Thunell J, Zissimopoulos J (2020). Changes in physical and mental health of Black, Hispanic, and White caregivers and non-caregivers associated with onset of spousal dementia. *Alzheimers Dement (N Y)*. Nov 2;6(1):e12082.doi: 10.1002/trc2.12082.
- 7) **Chen C**, Dieterich AV, Koh JJE. *et al.* (2020) The physical activity at work (PAW) study protocol: a cluster randomised trial of a multicomponent short-break intervention to reduce sitting time and increase physical activity among office workers in Thailand. *BMC Public Health* 20, 1332. <https://doi.org/10.1186/s12889-020-09427-5>
- 8) Ho V, **Chen C**, Ho S *et al.* (2020) Healthcare utilisation in the last year of life in internal medicine, young-old versus old-old. *BMC Geriatr* 20, 495. <https://doi.org/10.1186/s12877-020-01894-0>.
- 9) Ho V, **Chen C**, Merchant RA. (2020) Cumulative Effect of Visual Impairment, Multimorbidity, and Frailty on Intrinsic Capacity in Community-Dwelling Older Adults. *Journal Of Aging And Health* 32(7-8):670-676.
- 10) Yao J, Tan CS, **Chen C**, *et al.* (2020) Bright spots, physical activity investments that work: National Steps Challenge, Singapore: a nationwide mHealth physical activity programme. *British Journal of Sports Medicine* 2020;54:1047-1048.
- 11) **Chen C**, D Park, E Kempson, J Yoong, (2019) Chapter 3, "Gender, Old Age and Economic Security in Asia" in *Aging in Asia*, pp. 95-123 (2019). ed. Phua Kai Hong, Goh Lee Gan and Yap Mui Teng, World Scientific Press. https://doi.org/10.1142/9789813225558_0003.
- 12) Kim D, **Chen C***, *et al.*, Smoking, life expectancy and chronic disease in South Korea, Singapore, and the United States: a microsimulation model. *Health Economics*. 2019; 1– 13. <https://doi.org/10.1002/hec.3978> (*Corr author)
- 13) **Chen C#**, Cervero-Licerias F#, Flasche S, *et al.* (2019). Effect and cost-effectiveness of pneumococcal conjugate vaccination: a global modelling analysis. *The Lancet Global Health*; 7: e58–67; [https://doi.org/10.1016/S2214-109X\(18\)30422-4](https://doi.org/10.1016/S2214-109X(18)30422-4). (#joint)
- 14) **Chen C***, Lim JT, Chia NC, *et al.*, (2019). The Long-Term Impact of Functional Disability on Hospitalization Spending in Singapore. *The Journal of the Economics of Ageing*, 2019, 100193; doi.org/10.1016/j.jeoa.2019.02.002 (*Corresponding author)
- 15) Wong AWK, **Chen C**, Baum C, Heaton RK, Goodman B, & Heinemann AW (2019). Cognitive, emotional and physical functioning as predictors of paid employment in individuals with stroke, traumatic brain injury, and spinal cord injury. *American Journal of Occupational Therapy*, 73(4). doi:10.5014/ajot.2019.031203.
- 16) Winsler S, Pang MYC, Rauszen JS, Chan AYY, **Chen C**, Whitney SL. (2019) Does integrated cognitive and balance (dual-task) training improve balance and reduce falls risk in individuals with cerebellar ataxia? *Med Hypotheses*. 2019 May;126:149-153. doi: 10.1016/j.mehy.2019.03.001. Epub 2019 Mar 5. PMID: 31010491.
- 17) **Chen C**, Goldman DP, Zissimopoulos J, Rowe JW; Research Network on an Aging Society (2018). A Multi-dimensional Comparison of Countries' Adaptation to Societal Aging. *Proceedings of the National Academy of Sciences*, 115 (37) 9169-9174; <https://doi.org/10.1073/pnas.1806260115>.
- 18) **Chen C**, Zissimopoulos J (2018). Racial and ethnic differences in trends in dementia prevalence and risk factors in the United States. *Alzheimer's & Dementia: Translational Research & Clinical Interventions*. 2018 Oct 5;4:510-520; <https://doi.org/10.1016/j.trci.2018.08.009>.
- 19) Goldman DP, **Chen C**, Zissimopoulos J, Rowe JW; Research Network on an Aging Society (2018). Opinion: Measuring how nations adapt to societal aging. *Proceedings of the National Academy of Sciences*, 115 (3) 435-437; DOI:10.1073/pnas.1720899115.
- 20) Ha TC, Ng S, **Chen C**, Yong SK, Koh GCH, Tan SB, Malhotra R, Altermatt F, Seim A, Biderman A, Woolley T, Østbye T (2018). Inclination towards research and the pursuit of a research career among medical students: an international cohort study. *BMC Med Educ*. 2018 May 2;18(1):86. doi: 10.1186/s12909-018-1202-6.
- 21) Png ME, Yoong J, **Chen C**, Tan CS, Tai ES, Khoo EYH, Wee HL (2018). Risk factors and direct medical cost of early versus late unplanned readmissions among diabetes patients at a tertiary hospital in Singapore. *Curr Med Res Opin*. 2018 Jun;34(6):1071-1080. doi: 10.1080/03007995.2018.1431617
- 22) Brown B*, Marg L*, Leon S*, **Chen C***, Ng YSJ*, Calvo G*, *et al.* (2018). The relationship between anogenital HPV types and incident HIV infection among men who have sex with men and transgender women in Lima, Peru: Findings from a prospective cohort study. *PLoS ONE* 13(10): e0204996. <https://doi.org/10.1371/journal.pone.0204996>
- 23) Sundaram N, **Chen C**, Yoong J, Luvsan ME, Fox K, Sarankhuu A, LaVincente S, Jit M (2017). Cost-effectiveness of 13-valent pneumococcal conjugate vaccination in Mongolia. *Vaccine*. 2017 Feb 15;35(7):1055-1063. doi: 10.1016/j.vaccine.2016.12.070.
- 24) Cher BP, **Chen C**, Yoong J (2016). Prevalence-based, disease-specific estimate of the social cost of smoking in Singapore. *BMJ Open*. 2017 Apr 7;7(4):e014377. doi: 10.1136/bmjopen-2016-014377.

- 25) Ong PH, Tai BC, Wong WP, Wee LE, **Chen C**, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Lee KK, Ee CH, Petrella R, Thind A, Koh GC. Caregivers: Do They Make a Difference to Patient Recovery in Subacute Stroke? *Arch Phys Med Rehabil*. 2017 Oct;98(10):2009-2020. doi: 10.1016/j.apmr.2017.02.021.
- 26) Ng YS, Tan KH, **Chen C**, Senolos GC, Koh GC. How do recurrent and first-ever strokes differ in rehabilitation outcomes? *Am J Phys Med Rehabil* 2016, 2016 Oct;95(10):709-17. doi: 10.1097/PHM.0000000000000502
- 27) Ng YS, Tan KH, **Chen C**, Senolos GC, Chew E, Koh GC. Predictors of Acute, Rehabilitation and Total Length of Stay in Acute Stroke: A Prospective Cohort Study. *Ann Acad Med Singapore*. 2016 Sep;45(9):394-403
- 28) Baum CM, Wolf TJ, Wong A, **Chen CH**, Walker K, Carozzi NE, Tulsy DS, Heaton RK, Heinemann AW. Validation and clinical utility of the executive function performance test in persons with traumatic brain injury. *Neuropsychol Rehabil*. 2017 Jul;27(5):603-617. doi: 10.1080/09602011.2016.1176934.
- 29) Lim RBT, **Chen C**, Naidoo N, Gay G, Tang WE, Seah D, Chen R, Tan NC, Lee J, Tai ES, Chia KS, Lim WY. Anthropometric indices of obesity, all-cause and cardiovascular disease-related mortality in an Asian cohort with T2DM. *Diabetes Metab* 2015 Sep;41(4):291-300. DOI: 10.1016/j.diabet.2014.12.003.
- 30) Lam BCC, Koh CHG, **Chen C**, Wong MTK, Fallows SJ. Comparison of body mass index (BMI), body adiposity index (BAI), waist circumference (WC), waist-to-hip ratio (WHR) and waist-to-height ratio (WHtR) as predictors of cardiovascular disease risk factors in an adult population in Singapore. *PLoS One*. 2015 Apr 16;10(4):e0122985. doi: 10.1371/journal.pone.0122985
- 31) Koh GCH, Yen SC, Tay A, Cheong A, Ng YS, De Silva DA, Png C, Caves K, Koh K, Kumar Y, Phan SW, Tai BC, **Chen C**, Chew E, Chao ZJ, Chua CE, Koh YS, Hoenig H. Singapore Tele-technology Aided Rehabilitation in Stroke (STARS) trial: protocol of a randomized clinical trial on tele-rehabilitation for stroke patients. *BMC Neuro* 2015 Sep 5;15:161. doi: 10.1186/s12883-015-0420-3.
- 32) Koh GCH, Ling C, Ma B, **Chen C**, Lim WS, Scherer S, Amin Z, Merchant RA. Effect of a new longitudinal interprofessional geriatric medicine educational track on knowledge and attitude of medical students: a controlled cohort study. *J Am Geriatr Soc*. 2015 Mar;63(3):558-64. doi: 10.1111/jgs.13295.
- 33) Low LL, Vasawala FF, Ng LB, **Chen C**, Lee KH, Tan SY. Effectiveness of a transitional home care program in reducing acute hospital utilization: a quasi-experimental study. *BMC Health Serv Res*. 2015 Mar 14;15:100. doi: 10.1186/s12913-015-0750-2.
- 34) **Chen C**, Sia I, Ma HM, Tai BC, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Ee CH, Lee KK, Ng YS, Teo YY, Koh CHG. The synergistic effect of functional status and comorbidity burden on mortality: a 16-year survival analysis. *PLoS One*. 2014 Aug 29;9(8):e106248. doi: 10.1371/journal.pone.0106248.
- 35) Chow P, **Chen C**, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Ee CH, Lee KK, Koh D, Koh CHG. Factors and trade-offs with rehabilitation effectiveness and efficiency in newly disabled older persons. *Arch Phys Med Rehabil*. 2014 Aug;95(8):1510-20.e4. doi: 10.1016/j.apmr.2014.03.020
- 36) Rebello SA, Koh H, **Chen C**, NN, Odegaard AO, Koh WP, Butler LM, van Dam R.M. Amount, type and sources of carbohydrates in relation to coronary heart disease mortality in a Chinese population: a prospective cohort study. *Am J Clin Nutr*. 2014 Jul;100(1):53-64. doi: 10.3945/ajcn.113.076273.
- 37) **Chen C**[#], Koh CHG[#], Naidoo N, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Ee CH, Lee KK, Koh D, Chia CS, Teo YY. Trends in Length of Stay, Functional Outcomes, and Discharge Destination Stratified by Disease Type for Inpatient Rehabilitation in Singapore Community Hospitals from 1996 to 2005. *Arch Phys Med Rehabil*. 2013 Jul;94(7):1342-1351.e4. doi: 10.1016/j.apmr.2013.01.006. (#joint)
- 38) **Chen C**, Naidoo N, Er BHD, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Ee CH, Lee KK, Ng YS, Teo YY, Koh CHG. Factors associated with nursing home placement of all patients admitted for inpatient rehabilitation in Singapore community hospitals from 1996 to 2005: a disease stratified analysis. *PLoS One*. 2013 Dec 23;8(12):e82697. doi: 10.1371/journal.pone.0082697.
- 39) Koh CHG*, **Chen C***, Petrella R, Thind A. Rehabilitation impact indices and their independent predictors: a systematic. *BMJ Open*. 2013 Sep 24;3(9):e003483. doi: 10.1136/bmjopen-2013-003483.
- 40) Lam BCC, Lim SC, Wong MTK, Shum E, Ho CY, Jie Bosco, **Chen C**, Koh GCH. A method comparison study to validate a novel parameter of obesity, the Body Adiposity Index (BAI), in Chinese subjects. *Obesity*. 2013 Dec;21(12):E634-9. doi: 10.1002/oby.20504.
- 41) **Chen C**, Naidoo N, Yang Q, M Hartman, Verkooijen HM, Loy EY, Bouchardy C, Chia KS, Chia SE. A comparative population-based study of prostate cancer incidence and mortality rates in Singapore, Sweden and Geneva, Switzerland from 1973 to 2006. *BMC Cancer*. 2012 Jun 6;12:222. doi: 10.1186/1471-2407-12-222.
- 42) Naidoo N, van Dam R.M., Koh WP, **Chen C**, Lee YP, Yuan JM, Ong CN. Plasma vitamin E and coenzyme Q10 are not associated with a lower risk of acute myocardial infarction in Singapore Chinese adults. *J Nutr*. 2012 Jun;142(6):1046-52. doi: 10.3945/jn.111.155341.
- 43) Koh CHG, Wee LE, Rizvi NA, **Chen C**, Cheong A, Fong NP, Chan KM, Tan BY, Menon E, Ee CH, Lee KK, Petrella R, Thind A, Koh D, Chia KS. Socio-demographic and clinical profile of admissions to community hospitals in Singapore from 1996 to 2005: a descriptive study. *Ann Acad Med Singapore*. 2012 Nov;41(11):494-510.
- 44) Lim WY, **Chen C**, Ma Y, Chen M, Lee V, Cook AR, Tan L, Jr N, Barr I, Cui L, Lin R, Leo YS, Chia KS. Risk factors for pandemic (H1N1) 2009 seroconversion among adults, Singapore, 2009 *Emerg Infect Dis*. 2011 Aug;17(8):1455-62. doi: 10.3201/eid1708.101270.
- 45) Rebello SA, **Chen C**, Naidoo N, Xu W, Lee J, Chia KS, Tai ES, van Dam R.M. Coffee and tea consumption in relation to inflammation and basal glucose metabolism in a multiethnic Asian population. *Nutr J*. 2011 Jun 2;10:61. doi: 10.1186/1475-2891-10-61.

- 46) Naidoo N, **Chen C**, Rebello SA, Speer K, Tai ES, Lee J, Buchmann S, Speer IK, van Dam R.M. Cholesterol-raising diterpenes in types of coffee commonly consumed in Singapore, Indonesia and India and associations with blood lipids: A survey and cross sectional study. *Nutr J*. 2011 May 15;10:48. doi: 10.1186/1475-2891-10-48
- 47) Koh CHG, **Chen C**, Cheong A, Tai BC, Choi KP, Fong NP, Chan KM, Tan BY, Robert P, Amardeep T, Koh D, Chia KS. Trade-offs between effectiveness and efficiency in stroke rehabilitation. *Int J Stroke*. 2012 Dec;7(8):606-14. doi: 10.1111/j.1747-4949.2011.00612.x

*authors contributed equally to the work

INVITED PRESENTATIONS

- 1) Moderator for Aging Panel Discussion, 19 Oct 2020, APRU Global Health Conference, Shanghai, Online.
- 2) Physical activity at Work, 09 to 23 Mar 2020, Health Intervention and Technology Assessment Program, Thailand
- 3) Universal Health Care Coverage and its sustainability: Singapore experiences, 27-28 Jan 2020, Asian Universities Alliance (AUA) Conference, Thailand.
- 4) Gender disparity and Ageing in Asia, 19 Mar 2018, Stanford Center on Longevity, Stanford University, USA
- 5) Ageing Society Index, Ageing Society Network Meeting at the GSA, 18 Nov 2018, Boston, USA
- 6) Educational Gradients in Disability among Asia's Future Elderly, Conference on Cross-Country Analysis of Retirement, Health, and Well-being, University of Southern California, 29-30 Oct 2018, Los Angeles, USA
- 7) Healthy Aging and Chronic Disease Management in China and India in International Comparison, Stanford Center at Peking University, 25-27 June 2018, Beijing, China
- 8) The Value of Cognitive Learning, La Trobe University, 5-7 Feb 2018, Melbourne, Australia
- 9) Forecasting Health and Medical Expenditure in Singapore using the Future Elderly Model, 25 Oct 2017, UCLA, USA
- 10) The Hartford Aging Society Index, Presidential symposium at the International Association of Gerontology and Geriatrics, 23-27 Jul 2017, San Francisco, USA
- 11) Measures of Successful Ageing in the Society, MacArthur Research Network at the GSA, 25-28 Sep 2016, New Orleans, USA
- 12) The Value of Physical Activity in Singapore - Forecasting Health and Medical Expenditure using the Future Elderly Model, 2nd Singapore International Public Health Conference, 29-30 Sep 2016, Singapore
- 13) The synergistic effect of functional status and comorbidity burden on mortality, Universitas 21 (U21) Graduate Research Conference - Celebrating Ageing Research, 1-4 Jul 2014, Auckland, New Zealand

CONFERENCE PRESENTATIONS

- 1) **Oral**, Disability and Long-Term Care in Singapore, First author, The Gerontological Society of America's Annual Scientific Meeting, USA, 04-06 Nov 2020, Online. Innovation in Aging, Volume 4, No. S1.
- 2) **Oral**, The Impact of Disability on Spending in Singapore, First author, The European Conference on Aging and Gerontology (EGen2019), The Bartlett Real Estate Institute at UCL, 07 Dec 2019 - 08 Dec 2019.
- 3) **Oral**, Disparities in the Health of Spousal Caregivers for Persons With and Without Dementia, First author, The Gerontological Society of America's 70th Annual Scientific Meeting, 14-18 Nov 2018, Boston, USA. Innovation in Aging, Volume 2, Issue 1
- 4) **Poster** #21873, Racial/Ethnic Disparities in the Health of Spousal Caregivers for Persons with and without Dementia, First author, Alzheimer's Association International Conference, 22-26 Jul 2018, Chicago, USA. Alzheimer's & Dementia: The Journal of the Alzheimer's Association, Volume 14, Issue 7, Supplement P576-577, <https://doi.org/10.1016/j.jalz.2018.06.630>
- 5) **Presidential symposium**, The Hartford Aging Society Index – Strategy for Development of the Hartford Aging Society Index, First author, IAGG World Congress of Gerontology & Geriatrics, 23-27 Jul 2017, San Francisco, USA. Innovation in Aging, Volume 1, Issue suppl_1, 1 July 2017, Pages 1076, <https://doi.org/10.1093/geroni/igx004.3943>
- 6) **Poster**, Forecasting Hospital Utilization and Cost of Future Elderly in Singapore, First author, IAGG World Congress of Gerontology & Geriatrics, 2017, San Francisco, USA. Innovation in Aging, Volume 1, Issue suppl_1, 1 July 2017, Pages 406–407, <https://doi.org/10.1093/geroni/igx004.1466>
- 7) **Oral**, The Value of Physical Activity in Singapore - Forecasting Health and Medical Expenditure using the Future Elderly Model, First author, 2nd Singapore International Public Health Conference, 29-30 Sep 2016, Singapore
- 8) **Oral**, The synergistic effect of functional status and comorbidity burden on mortality: a 16-year survival analysis, First author, Universitas 21 Graduate Research Conference, 1-4 July 2014, Auckland, New Zealand
- 9) **Poster** #281, Principal Component Analysis on Differential Effect of Individual Activities of Daily Living in the Elderly, First author, 91st American Congress of Rehabilitation Medicine (ACRM), 7-11 Oct 2014, Toronto, Canada, [www.archives-pmr.org/article/S0003-9993\(14\)00792-8/pdf](http://www.archives-pmr.org/article/S0003-9993(14)00792-8/pdf)
- 10) **Poster** #282, Factors Associated with Nursing Home Placement of Patients Admitted for Inpatient Rehabilitation in Singapore, First author, 91st American Congress of Rehabilitation Medicine (ACRM), 7-11 Oct 2014, Toronto, Canada
- 11) **Poster** #045, Rehabilitation indices and their independent predictors: a systematic review, First author, Rehabtech, 27 Feb – 03 Mar 2013, Singapore
- 12) **Oral**, Trends in length of stay, functional outcomes following inpatient rehabilitation in Singapore community hospitals (1996-2005), First author, 20th IAGG World Congress of Gerontology and Geriatrics, 23-27 June 2013, Seoul, South Korea

- 13) **Oral**, Trends in length of stay, functional outcomes following inpatient rehabilitation in Singapore community hospitals (1996-2005), First author, 1st Singapore International Public Health Conference, 2012, Singapore
- 14) **Poster #2828**, Caregivers And Their Impact On Inpatient Rehabilitation Efficiency And Effectiveness Amongst Recent Stroke Survivors In An Urbanised Asian Society, Third author, International Stroke Conference, 2012, Louisiana, USA

REPORTS

- 1) **Chen C**, Sidharta S, Liceras FC, Sundaram N, Flasche S, Chong WH, Yoong J, Jit M (2016). Impact and cost-effectiveness of pneumococcal conjugate vaccination: a global analysis. World Health Organisation Report.
- 2) **Chen C**, Kempson E, Park D, Yoong J (2015). Gender, Aging and Old-Age Economic Security in Asia. Asian Development Bank Report.
- 3) Sundaram N, **Chen C**, Yoong J, Luvsan M-E, Fox K, Sarankhuu A, LaVincente S, Jit M (2015). Evaluating cost-effectiveness of 13-valent pneumococcal conjugate vaccination for Mongolia. Report for Ministry of Health, Mongolia
- 4) **Chen C**, Koh GCH, Tan KB (2013). State and Trends in Community Hospital Use. Report for Ministry of Health, Singapore.

FORTHCOMING

- 1) "The impact of government subsidy on the use of Personalized Medicine in Breast Cancer" with Mikael Hartman.
 - 2) "Impact of the National Steps Challenge, a scaled-up mHealth program promoting Physical Activity" with Gregory Ang and Müller-Riemenschneider Falk.
 - 3) "Cost-Effectiveness of the National Steps Challenge, a nationwide physical activity intervention" with Gregory Ang
 - 4) "The impact of work and retirement on health" with Chia Ngee Choon.
 - 5) "Cohort Profile: The Singapore Retirement and Health Study (RHS)" with Chia Ngee Choon.
 - 6) "Implementation of Value Driven Outcomes (VDO) program in patients undergoing cataract surgery in National University Hospital (NUH)." with Hoong Jian Ming.
 - 7) "Cost of depression in Singapore" with Neo Jiawei
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