

Full peer-reviewed Journals publications:

1. Chei CL, Lee J ML, Ma S, Malhotra R. Happy older people live longer. *Age Ageing*. Accepted June 2018. Published online on 27 August 2018. <https://doi/10.1093/ageing/afy128>
2. Lim WY, Ma S, Heng D, Tai ES, Khoo CM, Loh TP. Screening for diabetes with HbA1c: Test performance of HbA1c compared to fasting plasma glucose among Chinese, Malay and Indian community residents in Singapore. *Scientific Reports* 2018;
3. Cheng H-L G, Malhotra R, Østbye T, Chan A, Ma S, Lo JC. Changes in nocturnal sleep and daytime nap durations predict all-cause mortality among older adults: the Panel on Health and Ageing of Singaporean Elderly. *SLEEP*. Published online as Accepted Manuscript 2 May 2018. <https://doi.org/10.1093/sleep/zsy087>.
4. Xu H, Fu X, Ma S, Lim TK, Tambyah PA, Habibullah MS, Lee GKK, Lee CN, Goh KT, Goh RWM, Lee KHL. Weather Impact on Heat-related Illness in a Tropical City State, Singapore. *Atmospheric and Climate Sciences* 2018;8:97—100.
5. Leung YY, Ma S, Noviani M, Wong SBS, Lee CM, Soh I, Thumboo J. Validation of Screening Questionnaires for Evaluation of Knee Osteoarthritis Prevalence in the General Population of Singapore. *International Journal of Rheumatic Diseases* 2018;31:629—38.
6. Chai JH, Ma S, Heng D, Yoong J, Lim WY, Toh SA, Loh TP. Impact of analytical and biological variations on classification of diabetes using fasting plasma glucose, oral glucose tolerance test and HbA1c. *Scientific Report* 2017;7:13721.
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10. Alperet DJ, Lim WY, Heng DMK, Ma S, van Dam RM. Optimal anthropometric measures and thresholds to identify undiagnosed type 2 diabetes in three major Asian ethnic groups. *Obesity* 2016;24:2185—2193.
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12. Chan A, Malhotra R, Matchar DB, Ma S, Saito Y. Gender, education and ethnic differences in active life expectancy among older Singaporeans. *Geriatrics & Gerontology International* 2016;16:466—73.
13. Tan MLS, Wee HL, Salim A, Lee J, Ma S, Heng D, Tai ES, Thumboo J. Validity of a Revised Short Form-12 Health Survey Version 2 in Different Ethnic Populations. *Ann Acad Med Singapore* 2016;45:228—36.
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15. Wong HZ, Lim WY, Ma S, Chua AVL, Heng D. Health Screening behaviour among Singaporeans. *Annals of Medicine Singapore* 2015;44:326—34. (Annals' Merit Best Paper Award)
16. Ang LW, Ma S, James L. Disease burden of acute respiratory infections in Singapore, 2010. *Singapore Epidemiology News Bulletin* 2015;41:75—9.
17. Lim CTK, Jiang L, Ma S, James L, Ang LW. Basic reproduction number of Coxsackievirus type A6 and A16 and Enterovirus 71: estimates from outbreaks of hand, foot and mouth disease in Singapore, a tropical city-state. *Epidemiology & Infection* 2015;1:1—7.
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19. Venkataraman K, Khoo CM, Wee HL, Tan CS, Ma S, Heng D, Lee J, Tai ES, Thumboo J. Associations between disease awareness and health-related quality of life in a multi-ethnic Asian population. *PLoS ONE* 2014 Nov 26;9(11):e113802. (doi: 10.1371/journal.pone.0113802).
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Publications from International Collaborative Studies:

8.4.1. Global Burden of Disease (with Institute of Health Metrics and Evaluation)

1. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990–2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet* 2015;
2. Ambient air pollution exposure estimation for the Global Burden of Disease 2013. *Environ. Sci. Technol* 2015; DOI: 10.1021/acs.est.5b03709.
3. Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990–2013: quantifying the epidemiological transition. *Lancet* 2015;386:2145-91.
4. Global, regional, and national levels and causes of maternal mortality during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet* 2014;384:980-1004.
5. Global, regional, and national levels of neonatal, infant, and under-5 mortality during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet* 2014;384:957-79.
6. National, regional, and global trends in serum total cholesterol since 1980: systematic analysis of health examination surveys and epidemiological studies with 321 country-years and 3·0 million participants. *Lancet* 2011; 377: 578–86.
7. National, regional, and global trends in systolic blood pressure since 1980: systematic analysis of health examination surveys and epidemiological studies with 786 country-years and 5·4 million participants. *Lancet* 2011; 377: 568–77.
8. National, regional, and global trends in fasting plasma glucose and diabetes prevalence since 1980: systematic analysis of health examination surveys and epidemiological studies with 370 country-years and 2·7 million participants. *Lancet* 2011;
9. National, regional, and global trends in body-mass index since 1980: systematic analysis of health examination surveys and epidemiological studies with 960 country-years and 9·1 million participants. *Lancet* 2011; 377: 557–67.

8.4.2. WHO GLaMOR Project

1. Global Mortality Estimates for the 2009 Influenza Pandemic from the GLaMOR Project: A Modeling Study. *PLoS Medicine* 2013;11:e1001558.
2. Global Mortality of Seasonal Influenza Epidemics: Burden Estimates and Predictors from the GLaMOR Project. (in preparation)

8.4.3. Global Seasonal Influenza-associated Mortality Collaborator Network

1. Estimates of global seasonal influenza-associated respiratory mortality: a modelling study. *The Lancet*. Published online December 13, 2017 [http://dx.doi.org/10.1016/S0140-6736\(17\)33293-2](http://dx.doi.org/10.1016/S0140-6736(17)33293-2).

8.6. Edited Book/Book Chapter:

1. Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore, Volume 16: Mathematical Understanding of Infectious Disease Dynamics. Edited by Dr Stefan Ma (Ministry of Health, Singapore) and Professor Yingcun Xia (National University of Singapore).
2. Hedley AJ, Wong CM, Lam TH, McGhee SM, Ma S. Air quality in Hong Kong and the impact of pollution on health 1988—1997, In: Frank Murray, Gordon McGranahan, (eds), *Air Pollution & Health in Rapidly Developing Countries*. Pp176—188, 2003. Earthscan Publications: Stockholm Environment Institute, Sweden. ISBN:185383985X.
3. Wong CM, Lam TH, Hedley AJ, Ong SG, Peters J, Liu J, Ma S. Variation in Smoking Behaviour in a 4-Year Cohort Study of Respiratory Health in Hong Kong Children, In: Karen Slama, (eds), *Tobacco and Health*, Pp591—593, 1995. Springer US. ISBN:978-1-4613-5779-7.

8.10. National Health Survey/Disease Burden Report:

1. Singapore Burden of Disease and Injury 2010. Epidemiology & Disease Control Division, Ministry of Health Singapore 2014. ISBN 978-981-07-9564-1.
2. National Health Survey 2010. Epidemiology & Disease Control Division, Ministry of Health Singapore 2005. ISBN 978-981-08-8540-3.
3. Singapore Burden of Disease and Injury 2004. Epidemiology & Disease Control Division, Ministry of Health Singapore 2009. ISBN 978-981-08-2473-0.
4. National Health Surveillance Survey 2007. Epidemiology & Disease Control Division, Ministry of Health Singapore 2009. ISBN 978-981-08-2420-4.
5. National Health Survey 2004. Epidemiology & Disease Control Division, Ministry of Health Singapore 2005. ISBN 981-05-3478-7.
6. National Health Surveillance Survey 2001. Epidemiology & Disease Control Division, Ministry of Health Singapore 2003.