

# FACULTY PROFILE



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- ◆ Professor of Health Policy and Management  
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## Professional Summary

- Medical and Health Officer, Ministry of Health Malaysia (1985-1989)
- Lecturer, Department of Community Health, Fac. of Medicine, National University of Malaysia (1989-98)
- Associate Professor, Department of Community Health, Faculty of Medicine, National University of Malaysia (1989-1998)
- Professor and Head of Department of Community Health, Faculty of Medicine, National University of Malaysia (1998-2006)
- Professor and Senior Research Fellow, International Institute for Global Health, United Nations University (2007-2013)
- Professor and Head, International Centre for Casemix and Clinical Coding, Faculty of Medicine, National University of Malaysia (2014-2015)
- Professor, Department of Health Policy and Management, Faculty of Public Health, Kuwait University (2016-present)

Dr Aljunid's main interest is in the strengthening of national health care systems through research and development in health policy, health economics and financing. He was responsible for the development of Master of Public Health Programme, Master of Science in Public Health (Health Economics and Hospital Management), DrPH Programme and PhD programme in Public Health and Hospital Management in a number of countries in Asia and Middle East. He has supervised more than 50 PhD candidates in the areas of public health, health policy, health economics and hospital management. He has vast experience in health economic methodologies and techniques including Cost-Analysis, Cost Effectiveness and Cost Benefit Analysis. He has conducted more than 60 research projects, most which are to support decision making on new technologies in developing countries. He owned 6 copyrights and patents from his research output. He is currently involved in supporting a number of developing countries to develop and implement casemix systems for provider payment methods under Social Health Insurance programmes for universal health coverage. His work on casemix systems covers research and capacity building programmes in many countries around the world including Malaysia, Indonesia, Philippines, Mongolia, Vietnam, Bhutan, China, Saudi Arabia, United Arab Emirates, Sudan, Nepal, Uruguay, Iran, Chile, Kenya and Ghana. He has published more than 180 journal articles, book chapters and scientific reports. He has presented more than 250 papers in international conferences seminars and workshops. He has authored and co-authored 6 books. His recent book is ***Development of Pharmacy Service Weights in the Implementation of Casemix System for provider payment: Concepts, Methods and Applications.***

## Education and Training

- MD, 1985, National University of Malaysia
- MSc (Public Health), 1989, National University of Singapore
- PhD (Health Economics and Financing), 1995, London School of Hygiene and Tropical Medicine
- DLSHTM (Health Policy), 1995, London School of Hygiene and Tropical Medicine

- Fellow of Academy of Medicine Malaysia (2002)
- Fellow of Public Health Medicine Malaysia (2010)
- Fellow of Academy of Science Malaysia (2018)

## Selected Publications

- **Syed Mohamed Aljunid**, Aung YN, Ismail A, Abdul Rashid SAZ, Nur AM, Cheah J, et al. (2019) Economic burden of hypoglycemia for type II diabetes mellitus patients in Malaysia. PLoS ONE 14(10): e0211248. <https://doi.org/10.1371/journal.pone.0211248>
- Yin Nwe Aung, Amrizal M Nur, Aniza Ismail, **Syed M Aljunid** (2019). Characteristics and outcome of high-cost ICU patients. ClinicoEconomics and Outcomes Research. 11: 505-513
- **Syed Mohamed Aljunid-GBD Collaborators** (2019) Mapping of 129 million neonatal, infant and child deaths between 2000 and 2017. Nature 574:353-358
- **Syed Mohamed Aljunid-GBD 2017 Colorectal Collaborators** (2019). The global, regional and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for Global Burden of Disease Study 2017. Lancet Gastroenterology Hepatology. October 21, 2019 [https://doi.org/10.1016/S2468-1253\(19\)30345-0](https://doi.org/10.1016/S2468-1253(19)30345-0)
- **Syed Mohamed Aljunid- Global Burden of Disease Cancer Collaboration** (2019) Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017. A Systematic Analysis for the Global Burden of Disease Study. JAMA Oncology 2996: 1-20
- Nor Azlin Mohd Nordin, Noor Azah Aziz, Saperi Sulong and **Syed Mohamed Aljunid** (2019). Effectiveness of home-based carer-assisted in comparison to hospital-based therapist delivered therapy for people with stroke: A randomised controlled trial. NeuroRehabilitation 45: 87–97
- Aman, A.H.M., Al Junid, S.A.M., Salehudin, H., Hidayat, A., Hassan, R. & **Aljunid, S.M.** (2019). Ecosystem for healthcare services and management system. 3C Tecnología. Glosas de innovación aplicadas a la pyme. Special Issue, October 2019, 28-39. doi: <http://dx.doi.org/10.17993/3ctecno.2019.specialissue3.28-39>
- Roshanim Koris, Norashidah Mohamed Nor, Sharifah Azizah Haron, Tengku Aizan Hamid, **Syed Mohamed Aljunid**, Amrizal Muhammad Nur, Normaz Wana Ismail, Asrul Akmal Shafie, Suraya Yusuff & Namaitijiang Maimaiti (2019) The Cost of Healthcare among Malaysian Community-Dwelling Elderly. Malaysian Journal of Economics 53(1): 89-103
- Haliza Hassan and **Syed Mohamed Aljunid** (2019). Job satisfaction among Community-Based Rehabilitation (CBR) workers in caring for disabled persons in the east coast region of Peninsular Malaysia, BMC Public Health 19(208) 2-9
- **Syed Mohamed Aljunid-GBD Health Financing Collaborator Network.** (2019) Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995–2050. Lancet 393 (10187): 2233-2260 [http://dx.doi.org/10.1016/S0140-6736\(19\)30841-4](http://dx.doi.org/10.1016/S0140-6736(19)30841-4)
- **Syed Mohamed Aljunid-GBD 2016 Neurology Collaborators** (2019). Global, regional, and national burden of neurological disorders, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology 18: 459-480
- **Syed Mohamed Aljunid-GBD 2017 Influenza Collaborators** (2019) Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. Lancet Respiratory Medicine 7: 69-89
- Aznida Firzah Abdul Aziz, Mohd Fairuz Ali, Mohammad Fhaisol Yusof, Zuraidah Che' Man, Saperi Sulong and **Syed Mohamed Aljunid** (2018). Profile and outcome of post stroke patients managed at selected public primary care health centres in Peninsular Malaysia: A retrospective observational study. Scientific Report 8: 17965: 1-8
- **Syed Mohamed Aljunid – GBD 2017 Mortality Collaborators** (2018). Global, regional, and national age-sex-specific mortality and life expectancy, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet 392: 1684-1735
- **Syed Mohamed Aljunid** and Saad Ahmed Ali Jadoo (2018) Factors Influencing the Total Inpatient Pharmacy Cost at a Tertiary Hospital in Malaysia: A Retrospective Study. Inquiry: The Journal of Health Care Organisation, Provision and Financing. 55: 1-8

## Professional Affiliations

- Co-Chair, Morbidity Technical Advisory Group of ICD-11 Revision of World Health Organisation-Family of International Classification. (2007- 2016)
- Member of WHO-FIC Revision Steering Committee of ICD-11 (2007 – present)
- Executive Council Member of Patient System Classification International (2012-2015)
- President of Public Health Physicians' Association of Malaysia (2012-2016)
- Founding President of Malaysian Society for Pharmacoeconomics and Outcome Research (2012- present)
- Founding President of Malaysian Health Economics Association (2012- present)