



Edimansyah Abdin

Principal Biostatistician, Research Division, IMH

Research/Innovation Interests:

- Psychiatric Epidemiology and biostatistics
- Psychometrics
- Health services research

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Biography

Edimansyah Abdin obtained his PhD from Science University of Malaysia in 2009 and is currently a Principal Biostatistician at the Institute of Mental Health, Singapore. He has over 15 years of experience in survey design, and use of advanced data analysis techniques in mental health research, and served as the Principal Investigator for two National Medical Research Council (NMRC)- funded research grants, to investigate the performance of generic preference-based measures of health-related quality of life, validate the disability assessment tools, and develop mapping functions in schizophrenia, depression, anxiety, and diabetes samples. He led data analysis for nationwide mental health-related surveys such as the Singapore Mental Health Study (2010, 2016), Well-being of the Singapore Elderly Study (2013, 2023), and Mind Matters Study (2021). He has contributed to the development of mental health instruments such as the Positive Mental Health Instrument, iWorkHealth, and Case Management Quality of Case Scale, and has been actively involved in the development of mapping functions of health utility values for Cost-Utility Analysis. To date, he has over 300 publications in peer-reviewed journals and served as a reviewer and associated editor for international journals.

Selected Publications

- Abdin E, Seet V, Jeyagurunathan A, Tan SC, Mohmad Khalid MIS, Mok YM, Verma SK, Subramaniam M. [Responsiveness and minimal important differences of common disability measures in people with depression and anxiety disorders](#). Front Rehabil Sci. 2025;6:1556390.
- Abdin E, Seet V, Jeyagurunathan A, Tan SC, Mohmad Khalid MIS, Mok YM, Verma S, Subramaniam M. [Equipercenile linking of the Sheehan Disability Scale and the World Health Organization](#)

[Assessment Schedule 2.0 scales in people with mental disorders](#). J Affect Disord. 2024;350:539-543.

- Subramaniam M, Abdin E, Asharani PV, Roystonn K, Devi F, Peizhi W, Shafie S, Sagayadevan V, Jeyagurunathan A, Chua BY, Tan B, Vaingankar JA, Yao F, Magadi H, Ma S, Chow WL, McCrone P, Heng D, Mahendran R, Prince M, Ng LL, Chong SA. [Prevalence of dementia in Singapore: Changes across a decade](#). Alzheimers Dement. 2025;21(2):e14485
- Hendriks S, Peetoom K, Bakker C, van der Flier WM, Papma JM, Koopmans R, Verhey FRJ, de Vugt M, Köhler S, Young-Onset Dementia Epidemiology Study Group, Withall A, Parlevliet JL, Uysal-Bozkir Ö, Gibson RC, Neita SM, Nielsen TR, Salem LC, Nyberg J, Lopes MA, Dominguez JC, De Guzman MF, Egeberg A, Radford K, Broe T, Subramaniam M, Abdin E, Bruni AC, Di Lorenzo R, Smith K, Flicker L, Mol MO, Basta M, Yu D, Masika G, Petersen MS, Ruano L. [Global Prevalence of Young-Onset Dementia: A Systematic Review and Meta-analysis](#). JAMA Neurol. 2021;78(9):1080-1090.
- Lun P, Ning K, Wang Y, Ma TSW, Flores FP, Xiao X, Subramaniam M, Abdin E, Tian L, Tsang TK, Leung K, Wu JT, Cowling BJ, Leung GM, Ni MY. [COVID-19 Vaccination Willingness and Reasons for Vaccine Refusal](#). JAMA Netw Open. 2023;6(10):e2337909.
- Abdin E, Chong SA, Seow E, Peh CX, Tan JH, Liu J, Hui SFS, Chua BY, Sim K, Verma S, Vaingankar JA, Subramaniam M. [A comparison of the reliability and validity of SF-6D, EQ-5D and HUI3 utility measures in patients with schizophrenia and patients with depression in Singapore](#). Psychiatry Res. 2019;274:400-408.
- Abdin E, Chong SA, Ragu V, Vaingankar JA, Shafie S, Verma S, Ganesan G, Tan KB, Heng D, Subramaniam M. [The economic burden of mental disorders among adults in Singapore: evidence from the 2016 Singapore Mental Health Study](#). J Ment Health. 2023;32(1):190-197.
- Abdin E, Chong SA, Vaingankar JA, Shafie S, Seah D, Chan CT, Ma S, James L, Heng D, Subramaniam M. [Changes in the prevalence of comorbidity of mental and physical disorders in Singapore between 2010 and 2016](#). Singapore Med J. 2022;63(4):196-202.
- Abdin E, Chong SA, Vaingankar JA, Peh CX, Poon LY, Rao S, Verma S, Subramaniam M. [Trajectories of positive, negative and general psychopathology symptoms in first episode psychosis and their relationship with functioning over a 2-year follow-up period](#). PLoS One. 2017;12(11):e0187141.
- Abdin E, Subramaniam M, Achilla E, Chong SA, Vaingankar JA, Picco L, Sambasivam R, Pang S, Chua BY, Ng LL, Chua HC, Heng D, Prince M, McCrone P. [The Societal Cost of Dementia in Singapore: Results from the WiSE Study](#). J Alzheimers Dis. 2016;51(2):439-49.

Notable Research/Innovation Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
Best Poster Merit Award, Singapore Health and Biomedical Conference	2021