



## Edimansyah Abdin

Principal Biostatistician, Research Division, IMH

Research Interests:

- Psychiatric Epidemiology and Biostatistics
- Psychometric
- Mental Health Services Research

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## Biography

Dr Edimansyah Abdin is a Principal Biostatistician with the Research Division. His research interests are mental health services research, psychiatric epidemiology and biostatistics, psychometric testing of mental health instruments and clinical trials. He joined the Institute of Mental Health's Research Division as a research fellow after he completed his PhD from Universiti Sains Malaysia. Dr Abdin was awarded the National Healthcare Group (NHG) Research Support Scheme in 2015, NMRC Health Services Research-New Investigator Grant in 2016 and NMRC Health Services Research Grant in 2018. He has been supporting Research Division to work on design the population-based survey, sample size calculation, data management, and conducting complex survey data analysis for repeated nationwide mental health surveys including the Singapore Mental Health Study 2010 (SMHS-2010), the Singapore Mental Health Study 2016 (SMHS-2016), the Well-being of the Singapore Elderly 2013 (WISE-2013) Study, the Well-being of the Singapore Elderly 2022 (WISE-2022) study, the Mind Matters study and the Mind Matter 2021 study. He was also engaged with several clinical trials in the IMH, developing a mapping function based on clinical instruments to generate utility scores for Cost-Utility Analysis (CUA) and involved with the development of new mental health instruments including Positive Mental Health (PMH) instrument, iWorkHealth, and Case Management Quality of Case Scale (CMQS).

## Selected Publications

- Abdin E et al. [The societal cost of dementia in Singapore: results from the WiSE study](#). *J Alzheimers Dis*. 2016; 51:43949.
- Abdin E et al. [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).
- Abdin E et al. [A comparison of the reliability and validity of SF-6D, EQ-5D and HUI3 utility measure in patients with schizophrenia and patients with depression in Singapore](#). *Psychiatry Res*. 2019; 274:400-8.
- Abdin E et al. [iWorkHealth: An instrument to identify workplace psychosocial risk factors for a multi-ethnic Asian working population](#). *PLoS One*. 2019; 14(8):e0220566.
- Abdin E et al. [Mapping the Positive and Negative Syndrome Scale scores to EQ-5D-5L and SF-6D utility scores in patients with schizophrenia](#). *Qual Life Res*. 2019; 28(1):177-186.
- Abdin E et al. [Changes in the prevalence of comorbidity of mental and physical disorders in Singapore between 2010 and 2021](#). *Singapore Medical Journal*. 2020; 63:196-202.

- Abdin E et al. [Impact of mental disorders and chronic physical conditions on quality-adjusted life years in Singapore.](#) *Sci Rep.* 2020; 10(1):2695.
- Abdin E et al. [Mapping the PHQ-8 to EQ-5D, HUI3 and SF6D in patients with depression.](#) *BMC Psychiatry.* 2021; 21(1):451.
- Henriks S et al. [Global prevalence of young-onset dementia: A systematic review and meta-analysis.](#) *JAMA Neuro.* 2021; 78(9):1080-90.
- Abdin E et al. [The economic burden of mental disorders among adults in Singapore: evidence from the 2016 Singapore Mental Health Study.](#) *J Ment Health.* 2021; 2:1-8.

### Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
NMRC Health Services Research Grant (NMRC HSRG)	2018
Singapore Health and Biomedical Congress (SHBC) Best Poster Merit Award	2021
National Medical Research Council (NMRC COVID-19) Top-Up Grant	2021