

## Web of Science

Search

Search Results

My Tools

Search History

Marked List

 [Look Up Full Text](#)[Full Text Options](#) ▼

Save to EndNote online

[Add to Marked List](#)

56 of 155

## Sociodemographic, lifestyle and health determinants of suicidal behaviour in Malaysia

By: [Cheah, YK](#) (Cheah, Yong Kang)<sup>[1]</sup>; [Azahadi, M](#) (Azahadi, Mohd)<sup>[2]</sup>; [Phang, SN](#) (Phang, Siew Nooi)<sup>[3]</sup>; [Abd Manaf, NH](#) (Abd Manaf, Noor Hazilah)<sup>[4]</sup>

### PSYCHIATRY RESEARCH

**Volume:** 261 **Pages:** 319-324

**DOI:** 10.1016/j.psychres.2017.12.086

**Published:** MAR 2018

**Document Type:** Article

[View Journal Impact](#)

### Abstract

Suicide has become a serious matter in both developed and developing countries. The objective of the present study is to examine the factors affecting suicidal behaviour among adults in Malaysia. A nationally representative data which consists of 10,141 respondents is used for analysis. A trivariate probit model is utilised to identify the probability of having suicide ideation, suicide plan and suicide attempt. Results of the regression analysis show that to ensure unbiased estimates, a trivariate probit model should be used instead of three separate probit models. The determining factors of suicidal behaviour are income, age, gender, ethnicity, education, marital status, self-rated health and being diagnosed with diabetes and hypercholesterolemia. The likelihood of adopting suicidal behaviour is lower among higher income earners and older individuals. Being male and married significantly reduce the propensity to engage in suicidal behaviour. Of all the ethnic groups, Indian/others displays the highest likelihood of adopting suicidal behaviour. There is a positive relationship between poor health condition and suicide. Policies targeted at individuals who are likely to adopt suicidal behaviour may be effective in lowering the prevalence of suicide.

### Keywords

**Author Keywords:** [Age](#); [Determinant](#); [Health](#); [Income](#); [Suicide](#)

**KeyWords Plus:** [SOCIOECONOMIC-FACTORS](#); [IDEATION](#); [ADULTS](#); [RATES](#)

### Author Information

**Reprint Address:** Cheah, YK (reprint author)

+ Univ Utara Malaysia, Coll Business, Sch Econ Finance & Banking, Sintok 06010, Kedah, Malaysia.

### Addresses:

+ [ 1 ] Univ Utara Malaysia, Coll Business, Sch Econ Finance & Banking, Sintok 06010, Kedah, Malaysia

+ [ 2 ] Minist Hlth Malaysia, Inst Publ Hlth, Ctr Burden Dis Res, Putrajaya, Malaysia

+ [ 3 ] Univ Utara Malaysia, Coll Law Govt & Int Studies, Sch Govt, Sintok, Kedah, Malaysia

- [ 4 ] Int Islamic Univ Malaysia, Fac Econ & Management Sci, Dept Business Adm, Kuala Lumpur, Malaysia

**Organization-Enhanced Name(s)**

International Islamic University Malaysia

**E-mail Addresses:** [cheahyongkang@gmail.com](mailto:cheahyongkang@gmail.com)

### Funding

Funding Agency	Grant Number
Universiti Utara Malaysia (Research Generation University Grant)	KOD SO 13892

[View funding text](#)

### Citation Network

In Web of Science Core Collection

**0**

Times Cited

 [Create Citation Alert](#)

**28**

Cited References

[View Related Records](#)

### Use in Web of Science

Web of Science Usage Count

**4**

Last 180 Days

**4**

Since 2013

[Learn more](#)

**This record is from:**

**Web of Science Core Collection**

- Science Citation Index Expanded

- Social Sciences Citation Index

**Suggest a correction**

*If you would like to improve the quality of the data in this record, please [suggest a correction](#).*

**Publisher**

ELSEVIER IRELAND LTD, ELSEVIER HOUSE, BROOKVALE PLAZA, EAST PARK SHANNON, CO, CLARE,  
00000, IRELAND

**Journal Information**

**Impact Factor:** [Journal Citation Reports](#)

**Categories / Classification**

**Research Areas:** Psychiatry

**Web of Science Categories:** Psychiatry

[See more data fields](#)

56 of 155

**Cited References: 28**

Showing 28 of 28 [View All in Cited References page](#)

(from Web of Science Core Collection)

- |    |   |                           |
|----|---|---------------------------|
| 1. | <p><b><a href="#">Suicide ideation and intent in Malaysia: A review of the literature</a></b><br/>By: Aishvarya, S.; Maniam, T.; Sidi, Hatta; et al.<br/>COMPREHENSIVE PSYCHIATRY Volume: 55 Supplement: 1 Pages: S95-S100 Published: JAN 2014</p>  | <b>Times Cited: 7</b>     |
| 2. | <p><b><a href="#">Pattern of suicides in 2009: Data from the National Suicide Registry Malaysia</a></b><br/>By: Ali, Nor Hayati; Zainun, Khairul Anuar; Bahar, Norharlina; et al.<br/>Group Author(s): NSRM Study Grp<br/>ASIA-PACIFIC PSYCHIATRY Volume: 6 Issue: 2 Pages: 217-225 Published: JUN 2014</p>                     | <b>Times Cited: 10</b>    |
| 3. | <p><b>CHRONOLOGICAL AGE AND JOB SATISFACTION - YOUNG BLUE COLLAR WORKER</b><br/>By: ALTIMUS, CA; TERSINE, RJ<br/>ACADEMY OF MANAGEMENT JOURNAL Volume: 16 Issue: 1 Pages: 53-66 Published: 1973</p>   | <b>Times Cited: 21</b>    |
| 4. | <p><b><a href="#">Suicide among the youth in Malaysia: What do we know?</a></b><br/>By: Bahar, Norharlina; Ismail, Wan Salwina Wan; Hussain, Nurulwafa; et al.<br/>ASIA-PACIFIC PSYCHIATRY Volume: 7 Issue: 2 Pages: 223-229 Published: JUN 2015</p>  | <b>Times Cited: 1</b>     |
| 5. | <p><b>A THEORY OF RATIONAL ADDICTION</b><br/>By: BECKER, GS; MURPHY, KM<br/>JOURNAL OF POLITICAL ECONOMY Volume: 96 Issue: 4 Pages: 675-700 Published: AUG 1988</p>   | <b>Times Cited: 1,321</b> |
| 6. | <p><b><a href="#">Factors associated with suicidal ideation in the general population - Five-centre analysis from the ODIN study</a></b><br/>By: Casey, Patricia R.; Dunn, Graham; Kelly, Brendan D.; et al.<br/>Group Author(s): ODIN Grp<br/>BRITISH JOURNAL OF PSYCHIATRY Volume: 189 Pages: 410-415 Published: NOV 2006</p> | <b>Times Cited: 73</b>    |
| 7. | <p><b>DETERMINANTS OF LEISURE-TIME PHYSICAL ACTIVITY: EVIDENCE FROM MALAYSIA</b><br/>By: Cheah, Yong Kang; Tan, Andrew K. G.<br/>SINGAPORE ECONOMIC REVIEW Volume: 59 Issue: 2 Article Number: 1450017 Published: JUN 2014</p>  | <b>Times Cited: 7</b>     |
| 8. | <p><b><a href="#">Rising Income and the Subjective Well-Being of Nations</a></b><br/>By: Diener, Ed; Tay, Louis; Oishi, Shigehiro<br/>JOURNAL OF PERSONALITY AND SOCIAL PSYCHOLOGY Volume: 104 Issue: 2 Pages: 267-276 Published: FEB 2013</p>  | <b>Times Cited: 64</b>    |
| 9. | <p><b>Epidemiology of suicide in Asia</b><br/>By: Hendin, H.; Vijayakumar, L.; Bertolote, J. M.; et al.<br/>Suicide and Suicide Prevention in Asia. Pages: 7-18 Published: 2008</p>   | <b>Times Cited: 15</b>    |

Publisher: World Health Organization, Geneva

[\[Show additional data\]](#)

10. Title: [not available] **Times Cited: 19**  
 Group Author(s): Institute for Public Health  
 National health and morbidity survey 2011: non-communicable diseases Published: 2011  
 Publisher: Ministry of Health Malaysia, Putrajaya
  
11. **Suicide rates and socioeconomic factors in Eastern European countries after the collapse of the Soviet Union: trends between 1990 and 2008** **Times Cited: 21**  
 By: Kolves, Kairi; Milner, Allison; Vaernik, Peeter  
 SOCIOLOGY OF HEALTH & ILLNESS Volume: 35 Issue: 6 Pages: 956-970 Published: JUL 2013
  
12. **Factors associated with suicidal behaviors in mainland China: a meta-analysis** **Times Cited: 39**  
 By: Li, Ying; Li, Yafei; Cao, Jia  
 BMC PUBLIC HEALTH Volume: 12 Article Number: 524 Published: JUL 16 2012
  
13. **Attributable risk of psychiatric and socio-economic factors for suicide from individual-level, population-based studies: A systematic review** **Times Cited: 90**  
 By: Li, Zhuoyang; Page, Andrew; Martin, Graham; et al.  
 SOCIAL SCIENCE & MEDICINE Volume: 72 Issue: 4 Pages: 608-616 Published: FEB 2011
  
14. Title: [not available] **Times Cited: 3,486**  
 By: Long, J. Scott.  
 Regression Models for Categorical and Limited Dependent Variables Published: 1997  
 Publisher: Sage, Thousand Oaks, CA
  
15. **The economics of intense exercise** **Times Cited: 27**  
 By: Meltzer, David O.; Jena, Anupam B.  
 JOURNAL OF HEALTH ECONOMICS Volume: 29 Issue: 3 Pages: 347-352 Published: MAY 2010
  
16. **Ethnicity and suicidal behavior in Malaysia: a review of the literature** **Times Cited: 18**  
 By: Morris, P.; Maniam, T.  
 Transcult. Psychiatry Volume: 38 Pages: 51-61 Published: 2001
  
17. **Are socioeconomic factors valid determinants of suicide? Controlling for national cultures of suicide with fixed-effects estimation** **Times Cited: 38**  
 By: Neumayer, E  
 CROSS-CULTURAL RESEARCH Volume: 37 Issue: 3 Pages: 307-329 Published: AUG 2003
  
18. **Socioeconomic factors and suicide rates at large-unit aggregate levels: A comment** **Times Cited: 34**  
 By: Neumayer, E  
 URBAN STUDIES Volume: 40 Issue: 13 Pages: 2769-2776 Published: DEC 2003
  
19. **Differential association of socioeconomic status in ethnic and age-defined suicides** **Times Cited: 12**  
 By: Purselle, David C.; Heninger, Michael; Hanzlick, Randy; et al.  
 PSYCHIATRY RESEARCH Volume: 167 Issue: 3 Pages: 258-265 Published: MAY 30 2009
  
20. **Suicide risk in relation to socioeconomic, demographic, psychiatric, and familial factors: A national register-based study of all suicides in Denmark, 1981-1997** **Times Cited: 407**  
 By: Qin, P; Agerbo, E; Mortensen, PB  
 AMERICAN JOURNAL OF PSYCHIATRY Volume: 160 Issue: 4 Pages: 765-772 Published: APR 2003
  
21. **The association between suicide and the socio-economic characteristics of geographical areas: a systematic review** **Times Cited: 154**  
 By: Rehkopf, DH; Buka, SL  
 PSYCHOLOGICAL MEDICINE Volume: 36 Issue: 2 Pages: 145-157 Published: FEB 2006
  
22. Title: [not available] **Times Cited: 1**

By: Sipalan, J.

Suicide Rate on the Rise in Malaysia Published: 2012  
(Accessed 9 November 2016).

URL: <http://www.thestar.com.my/news/nation/2012/06/05/suicide-rate-on-the-rise-in-malaysia/>

23. **Socioeconomic and lifestyle factors as risks for suicidal behavior among Korean adults** **Times Cited: 5**  
By: Song, Han-Byol; Lee, Sang-Ah  
JOURNAL OF AFFECTIVE DISORDERS Volume: 197 Pages: 21-28 Published: JUN 2016
24. Title: [not available] **Times Cited: 511**  
Group Author(s): StataCorp  
Stata Statistical Software: Release 14 . Published: 2015  
Publisher: StataCorp LP, College Station, TX
25. Title: [not available] **Times Cited: 1**  
By: Sunip, A.  
Suicide cases in Malaysia Could Increase, Warns Psychiatrist Published: 2015  
(Accessed 9 November 2016).  
URL: <http://www.therakyatpost.com/news/2015/10/11/suicide-cases-in-malaysia-could-increase-warns-psychiatrist/>
26. **Factors associated with suicide ideation in adults** **Times Cited: 102**  
By: Vilhjalmsson, R; Kristjansdottir, G; Sveinbjarnardottir, E  
SOCIAL PSYCHIATRY AND PSYCHIATRIC EPIDEMIOLOGY Volume: 33 Issue: 3 Pages: 97-103 Published: MAR 1998
27. Title: [not available] **Times Cited: 2,599**  
Group Author(s): World Health Organization  
Global Recommendations on Physical Activity for Health Published: 2010
28. **A Study of Suicide and Socioeconomic Factors** **Times Cited: 22**  
By: Ying, Yung-hsiang; Chang, Koyin  
SUICIDE AND LIFE-THREATENING BEHAVIOR Volume: 39 Issue: 2 Pages: 214-226 Published: APR 2009

Showing 28 of 28 [View All in Cited References page](#)