

Risk Factors of Suicidal Behaviors and Interventions: A Literature Review



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DOI: 10.26855/oajrcss.2022.08.013

Received: July 28, 2022

Accepted: August 26, 2022

Published: September 27, 2022

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Abstract

This study analyzes current research on suicide (attempt and completed), drawing on theories of suicide from a variety of fields, including biology, social science, and psychology, and synthesizing and integrating the research's strengths and weaknesses. Through an extensive search of the PsycArticles and PsycInfo databases, 100 articles are selected for literature review. Both the internal (mental disorder, alcohol abuse, prior suicide attempt) and external (family conflict and unemployment) factors that contribute to suicide (attempt & completed) are examined in detail in relation to the psychological interpersonal model. Under the model proposed by Van Orden that suicidal ideation was associated with a sense of thwarted belongingness and perceived burdensomeness, this article analyzes how these internal factors and external factor contribute to suicidal behaviors. Additionally, intervention measures are proposed according to risk factors, such as positive cognition or appraisal of life events, effective social support, professional training from health care providers and etc.

Keywords

Suicide, suicide attempt, risk factors, interpersonal theory of suicide, pathway

1. Introduction

Suicide is defined as intentionally taking one's own life through any method. A suicide attempt is a deliberate act of self-destruction that is not fatal (Crosby et al., 2011). Suicide is the second leading cause of death. Although studies of suicide risk factors have been gaining widespread attention among researchers, risk factor measurement is not uniform. For example, based on autopsy records, when data on suicides caused by alcohol abuse are collected, blood alcohol concentrations of illegal motor vehicle drivers are used as a cut point, but samples of suicide people (completed or at-tempted) are not used as a control group for comparison (Cherpitel et al., 2004). Additionally, the majority of studies currently examine the correlation between a single risk factor and lethal behaviors, but could not establish a causal relationship, nor do they employ comprehensive models to interpret the pathways between the risk factors and suicidal be-

haviors (Elliott et al., 2005; Lee & Bae, 2017; Renaud et al., 2008). This article synthesizes previous research, considers the concepts of completed suicide and suicide attempts, analyzes the internal and external risk factors, and explains the mechanism of suicidal behaviors according to the interpersonal theory model.

1.1. Suicidal Behaviors in Biology

Suicide risk factors have been extensively studied in a variety of fields. In biology, suicide has been demonstrated to be hereditary. Knopik et al. (2004) studied 2708 twins in Australia and discovered a 47% concordance between twin suicidal ideation and suicidal behaviors. Similarly, Anguelova et al. (2003) demonstrated through two meta-analyses that the 5-HTT gene influenced neurotransmitter stability and that low serotonin levels were associated with impulsivity and aggression, which may result in suicidal behavior. However, Lin and Tsai (2004) demonstrated that there was no association between 5-HTTL polymorphisms and suicidal behavior using three meta-analyses, with the differences in results primarily due to sample group differences. Nevertheless, the aforementioned studies established a correlation between biological factors and suicidal behaviors but not a causal relationship.

1.2. Suicidal Behaviors in Sociology

In sociology suicide is associated with a lack of social integration. Durkheim (2005) was the first to suggest that when individuals were not integrated into a collective, their individual lives became meaningless and empty; Specifically, single people committed suicide at a higher rate than married people. While his theory explained certain phenomena in terms of society as a whole, it omitted the factor of individual differences. As a result, numerous subsequent studies contradicted with Durkheim's theory. In a 14-year case-control study conducted by Wilkinson and Bacon (1984), 230 male and 228 female schizophrenics were evaluated and it was determined that marital status was not associated with suicide. Zhao and colleagues (2015) also demonstrated that marital status had no statistically significant relationship with suicide using a semi-structured questionnaire administered to 155 suicide attempters between 2010 and 2014.

1.3. Suicidal Behaviors in Psychology

Suicide is associated with severe psychological pain in psychology. Kovacs and Garrison (1985) proposed the theory of hopelessness, arguing that desperation can affect five cognitive systems, namely cognition, emotion, motivation and behavior, physiology, and conscious control. When one of these five factors was stimulated, the other four factors were also activated as a result of the interaction among these five factors. Consequently, hopelessness resulted in suicide. Van Orden et al. (2010), on the other hand, argued that no single factor can cause suicide and proposed an interpersonal theory of suicide based on previous frameworks (Joiner et al., 2005). Van Orden asserted that suicidal ideation was associated with a sense of thwarted belongingness and perceived burdensomeness, and that the capacity to commit suicide can be acquired through repeated exposure, confrontation, and reinforcement of the experiences (Figure 1). The interpretation and perception of life events were the model's central tenets. Suicidal individuals believed their decision to die adds value to others. Additionally, the model demonstrated that suicide was an act that goes against instinct and thus requires practice to master. Based on the interpersonal theory of suicide, this study examines internal and external risk factors associated with suicidal behaviors, including mental illness, alcohol abuse, previous suicide attempts, family conflict, and unemployment. It also proposes interventions according to the risk categories.

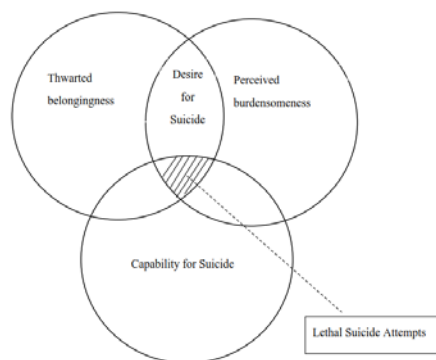


Figure 1. Interpersonal Theory of Suicide.

Note. Retrieved from 'The interpersonal theory of suicide' by Van et al. (2010). *Psychological Review*, 117(2), 575-600. doi: 10.1037/a0018697.

2. Method

A broad search strategy was used to identify articles, including searching the PsycArticles and PsycInfo databases for key words associated with risk factors, such as mental disorder/alcohol abuse/previous suicidal attempts/family conflict/unemployment along with suicide (attempted and completed). The following filtering was performed on the articles found: articles that did not explicitly mention risk factors in conjunction with suicide in the abstract were excluded; articles that did not provide measurement of risk factors were excluded; Articles containing only one measurement method were excluded, and studies dating from 1986 to 2021 were used to compile report. A total of twenty articles were selected for each suicide risk factor.

3. Result

The detailed information about 100 reviewed articles is organized in Table 1.

4. Discussion

4.1. Internal Factors

4.1.1. Mental Disorder

Mental disorder is highly correlated with suicide due to decreased treatment adherence, and psychological burden which contributes to suicidal behaviors (Table 1). In terms of specific pathways, Foley et al. (2008) assessed 107 patients with mental disorder over a two-year period by using Depression Scale (DSM-IV) and the Suicidal Ideation Scale and discovered that patients who attempted suicide scored significantly higher on the Insight of Treatment domain than those who did not attempt suicide, which is a risk factor for perceived burdensomeness (Foley et al., 2008). It was reasonable to conclude that the high cost of medical care made patients feel like a burden on their families and fosters feelings of guilt. Additionally, society stigmatized people who suffered from mental illness, which reinforced internalized shame and exacerbated negative feelings of thwarted belongingness (Kaushik et al., 2016). Additionally, these patients were aware of medication side effects and developed the capacity to commit suicide by gradually increasing the dosage and repeatedly exposing themselves to physical pain (Nock et al., 2013).

However, some scholars disputed the association between insight of treatment and suicide (Hawton et al., 2005), and researchers analyzed 29 case-control studies involving schizophrenic patients and concluded that insight of treatment could not be treated as a risk factor for suicide. The disparate findings were due to the study's small sample size and high statistical heterogeneity. Additionally, Lincoln and colleagues (2006) argued that by adjusting the metacognition of the treatment process, the beneficial effects of insight could be increased, accordingly, patients with mental disorders could be more compliant with medication. Thus, positive metacognition is a protective factor for patients with mental illness.

4.1.2. Alcohol Abuse

Studies have shown that alcohol abuse is associated with self-harm behaviors, mood disorders, which is associated with suicidal behaviors (Table 1). In terms of pathways, Qureshi et al. (2012) through unstructured interviews with 736 alcohol abusers over a one-year period, showed that intoxication affected neurotransmitter transmission, which in turn increased feelings of hopelessness, especially in people with poor social relationships. Besides, based on psychoanalytical interviews with 20 people who were relatives of people who committed suicides, Kizza et al. (2012) found that alcohol abusers felt they had no future and had to rely on alcohol to numb themselves, and their relatives might be better off without them. Additionally, in a retrospective analysis of 307 suicide cases (completed or attempted) from 2008 to 2012, Larkin et al. (2017) discovered that intoxication prevented people from taking action to protect themselves. Under this state, people engage in self-harm behaviors, gradually exposing them to painful experiences and allowing them to acquire the capability of suicidal behaviors.

However, different countries have different cultures when it comes to alcohol use. In countries where drunkenness is considered inappropriate, such as Bulgaria, people rarely commit suicide as a result of alcohol abuse, so the intolerant culture of drunkenness becomes a protective factor (Bräker & Soellner, 2016). Furthermore, based on empirical studies of 413 adolescents with alcohol addiction, Moore et al. (2011) found that building close relationships with the person having suicidal ideation can alleviate social isolation and was an effective protective factor in reducing alcohol abused suicide.

Table 1. Literatures about Risk Factors of Suicidal Behaviors

Risk Factors	Domain	Authors
Mental Disorder	Alzheimer's disease; Bipolar disorder; Depression; Schizophrenia	Arcelus et al. (2011); Barraclough (1998)
		Baxter et al. (2011); De and Peuskens (1998)
Alcohol abuse	Alcohol abuse or addiction; Self-harm behavior; Mood disorders	Drake and Cotton (1986); Foley et al. (2008)
		Harris and Hawton et al. (2005); James et al. (2005)
Risk Factors	Domains	Katon et al. (2007); Kaushik et al. (2016);
		Lincoln et al. (2006); Nock et al. (2013);
Previous suicide attempts	Impulsive behavior; life events	Nrugham et al. (2008); Panagioti et al. (2012)
		Pompili et al. (2005); Pompili et al. (2013);
Family conflict	Divorce; Parental separate; Childhood abuse	Sareen et al. (2005); Taiminen and Kujari (1994)
		Todd et al. (2013); Wolfersdorf et al. (2003);
Unemployment	Economic recession, job loss, debt	Bagge and Sher (2008); Berglund and Ojehagen (1998);
		Conner et al. (2008); Flensburg-Madsen, et al. (2009)
		Gmel et al. (1998); Kaminer et al. (2006)
		Kingma (1994); Kizza et al. (2012)
		Kölves et al. (2017); Larkin et al. (2017)
		Landberg (2009); Melson and O'Connor (2019)
		Norström and Rossow (2016); Pompili et al. (2010)
		Razvodovsky (2007) Razvodovsky (2009)
		Roerecke and Rehm (2013); Qureshi et al. (2012)
		Wojnar et al. (2009); Yaldizli et al (2010)
		Authors
		Bachmann (2018); Björkenstam et al (2017);
		Clark and Fawcett (1992); Crandall et al. (2007)
		Conner et al. (2007); Deng and Li (2014)
		Diggle-Fox (2016); Fässberg et al. (2012)
		Gysin-Maillart et al (2016); Hazlett et al. (2016);
		Hettige et al. (2017); Joiner et al. (1999)
		Lee et al. (2017); Li et al. (2018)
		Lu et al. (2020); Kim (2018)
		Ratcliffe et al. (2008); Tan et al. (2016)
		Tang and Crane (2006); Oquendo et al.(2014)
		Astrup et al. (2017); Arehart-Treichel (2003).
		Batterham et al. (2014); Canetto and Lester (2002)
		Cantor and Slater (1995); Crowley (2019)
		Davis et al. (2009); Devries et al. (2011)
		Devries et al. (2013); Donath et al. (2014)
		Heikkinen et al. (1992); Keyvanara and Haghsheenas (2010)
		Khezeli et al. (2018); Kölves, et al. (2011)
		Kjellin and Östman (2005); MacIsaac et al. (2017)
		McLaughlin et al. (2012); Mandal and Zalewska (2012)
		Moberg et al. (2014); Wong and Mellor (2014)
		Agerbo (2005); Amiri (2021)
		Beautrais et al. (1998); Blakely et al. (2003)
		Chu et al. (2016); Coope et al. (2014)
		Cylus et al. (2014); DalGLISH et al. (2015)
		Dos Santos, (2015); Fergusson et al. (2007)
		Garcy and Vågerö (2012); Kim et al. (2016)
		Kposowa (2001); Lundin et al. (2010)
		Lundin et al.(2012); Milner et al. (2013)
		Milner et al. (2014); Morrell (2011)
		Reeves et al. (2015); Walsh and Walsh (2011)

4.1.3. Previous Suicide Attempts

Previous suicide attempts were closely linked to impulsive behaviors, and life events, which would greatly predict suicidal behaviors (Table 1). There were consistent evidences that people who attempted suicide multiple times had more serious outcomes than those who have suicidal ideation (Clark & Fawcett, 1992; Rudd, Joiner, & Rajab, 1996). In terms of pathways, Oquendo, et al. (2014) conducted a 2-year prospective assessment of 415 people who had previously attempted suicide and discovered that they had experienced significant life events such as childhood abuse, sexual abuse, and that they tended to blame themselves for negative relationships with others, treating themselves as a burden to others. Conner and colleagues (2001) conducted structured interviews with 131 people who had attempted suicide and discovered the majority of them had experienced parental divorce, multiple relocations, exacerbating their feelings of homelessness. Importantly, the most serious aspect of a suicide attempt was that these people have gone through the painful experience multiple times and have developed the ability to kill themselves (Joiner et al., 1999). Previous autopsy studies have found a link between uncontrollable impulsive behaviors and learned suicidal capacity. More specifically, dysregulation of the 5-hydroxytryptophanergic system may arouse suicidal ideation which can exacerbate impulsive behaviors (Joiner et al., 2005).

However, in a systematic review of suicide attempts, Joiner et al. (1999) has discovered that writing-related activities could help these people become more aware of what is going on in the present, reduce the arousal of neurotransmitters in the central nervous system, and significantly improve self-control. As a result, writing activities can reduce impulsivity and protect people who have attempted suicide.

4.2. External factors

4.2.1. Family Conflict

Suicidal behavior is heavily influenced by family conflict due to negative interpersonal relationships and a sense of unsafety. Donath et al. (2014) conducted a year-long survey of 44610 grade 9 students and found that parental separation or divorce made children feel lonely, with significantly lower scores in the domain of belongingness and high scores in suicidal ideation. Kolves et al. (2013) conducted a case-control study over a year and a half with 228 males and 142 females and found that divorced people blame themselves for marital failure. Self-hatred made them believe others could have a better life without them, and their risk of suicidal ideation is significantly higher than the general population. In a cohort study, Astrup et al. (2017) found that parental separation caused chronic psychological pain in adolescents, leading them to choose externalized behaviors to hurt themselves, such as self-harm, which increases the risk of suicide.

However, the outcomes of family conflict were dependent on individual perceptions. According to Crowley (2019), some people who chose to end romantic relationships in a peaceful manner because they believed that ending the relationships would bring more independence and freedom for each other, thus positive autonomy moderating desperation and frustration. Hill and Pettit (2013) used questionnaires to assess 449 college students and found that positive motivation or autonomy acted as a protective factor in the face of negative interpersonal relationships, reducing the risk of suicidal behavior.

4.2.2. Unemployment

Unemployment related suicidal behavior is primarily caused by a loss of social connection and indebtedness (Table 1). Milner et al. (2014) found in a meta-analysis that people who were unemployed were the result of their own lack of life skills and inability to deal with financial problems and manage stress, leading to irrational self-hate thoughts. Similarly, Agerbo (2005) conducted a cohort study of the entire Danish population and discovered that unemployed people perceived job loss as a shame. Their dependence on friends and family for financial assistance made them feel like a burden to others. Blakely et al. (2003) used census data from 1991 to conduct a cohort study and discovered that unemployed people were easily stigmatized and isolated in their communities, increasing their psychological vulnerability and thwarted belongingness. Moreover, Walsh and Walsh (2011) conducted a simulation of suicide rates in Ireland from 1968-2009, which showed that unemployed people often used alcohol or engage in self-aggressive behavior, and after repeated acquisition and frequent exposure to physical pain, they gradually acquire the ability of suicidal behavior.

While unemployment is a significant risk factor for suicide, it also depends on the country's economic conditions and policies. Unemployment benefits and training programs in wealthy countries were protective factors for unemployed people. Cylus et al. (2014) used US Bureau of Labor data to conduct a retrospective study that found adequate unemployment benefits decreased the feeling of homelessness among the unemployed and lowered suicide rates. Moreover, training programs developed by the government for the unemployed could assist them in finding new jobs.

5. Intervention

It is possible to make targeted interventions and reduce suicidal behaviors for the above internal and external risk factors. Positive cognition or appraisal of life events is one of the most effective ways to reduce the risk of suicidal behaviors (Ram et al., 2019). Suffering from mental disorder, people with keen insight may be able to recognize the positive aspects of various treatments and improve medication compliance, allowing them to perceive themselves as less of a burden to others and more of an active collaborator (Lysaker et al., 2013). However, changing only the cognitive factor for people at high risk of suicide was ineffective; other factors such as substance abuse, family conflict and etc. should all be considered during intervention (Althaus & Hegerl, 2003).

Besides, social support is an effective intervention. Moore et al. (2011) demonstrated that increased social networks have been linked to positive emotions and improved interpersonal relationships. Specifically, shared activities, such as writing daily experiences together, can be effective in relieving impulses, which were a protective factor for people who have attempted suicide (Joiner et al., 1999). On the other hand, inappropriate social support has been proven to turn the shared writing activity into a suicide note writing process, resulting in increased suicide ideation and negative outcomes (Spirito et al., 1996).

Additionally, professional training from health care providers can also be provided to identify individuals with high risk of suicidal behaviors such as alcohol abusers (Wakai et al., 2020). Special assistance should be provided to those who are facing difficulties, such as psychological counseling services in schools for students whose parents are divorced and government-sponsored training programs for the unemployed (Joiner et al., 1999). However, such programs necessitate the long-term cooperation of health care professionals, schools, and the government, and may not be immediately effective in the short term.

6. Conclusion

This study explains the risk factors for suicide behaviors by employing interpersonal theory, analyzing the suicide pathways of the risk factors and suggesting supportive intervention measures based on previous research. However, there are still limitations in the interpersonal theory model. Specifically, its central hypothesis is that suicidal behavior only occurs when a person feels both a sense of thwarted belongingness and a sense of burdensomeness, which have been unexplored in previous studies. Furthermore, the transitional stage between suicidal desire and suicidal behavior is absent from this model, which produces research directions for future studies.

References

- Agerbo, E. (2005). Effect of psychiatric illness and labour market status on suicide: a healthy worker effect? *Journal of Epidemiology & Community Health*, 59(7), 598-602. doi: 10.1136/jech.2004.025288.
- Althaus, D., & Hegerl, U. (2003). The evaluation of suicide prevention activities: State of the art. *The World Journal of Biological Psychiatry*, 4(4), 156-165. doi: 10.1080/15622970310029913.
- Amiri, S. (2021). Unemployment and suicide mortality, suicide attempts, and suicide ideation: A meta-analysis. *International Journal of Mental Health*, 1-25. doi: 10.1080/00207411.2020.1859347.
- Anguelova, M., Benkelfat, C., & Turecki, G. (2003). A systematic review of association studies investigating genes coding for serotonin receptors and the serotonin transporter: II. Suicidal behavior. *Molecular psychiatry*, 8(7), 646-653.
- Arcelus, J., Mitchell, A. J., Wales, J., & Nielsen, S. (2011). Mortality rates in patients with anorexia nervosa and other eating disorders: a meta-analysis of 36 studies. *Archives of general psychiatry*, 68(7), 724-731.
- Arehart-Treichel, J. (2003). Antisocial Behavior Contagious For Some Married Couples. *Psychiatric News*, 38(3), 26-26. doi: 10.1176/pn.38.3.0026a.
- Astrup, A., Pedersen, C., Mok, P., Carr, M., & Webb, R. (2017). Self-harm risk between adolescence and midlife in people who experienced separation from one or both parents during childhood. *Journal of Affective Disorders*, 208, 582-589. doi: 10.1016/j.jad.2016.10.023.
- Bachmann, S. (2018). Epidemiology of suicide and the psychiatric perspective. *International journal of environmental research and public health*, 15(7), 1425.
- Bagge, C. L., & Sher, K. J. (2008). Adolescent alcohol involvement and suicide attempts: Toward the development of a conceptual framework. *Clinical Psychology Review*, 28(8), 1283-1296.
- Baxter, A. J., Page, A., & Whiteford, H. A. (2011). Factors influencing risk of premature mortality in community cases of depression: a meta-analytic review. *Epidemiology Research International*, 2011.

- Beautrais, A. L., Joyce, P. R., & Mulder, R. T. (1998). Unemployment and serious suicide attempts. *Psychological medicine*, 28(1), 209-218.
- Berglund, M., & Ojehagen, A. (1998). The influence of alcohol drinking and alcohol use disorders on psychiatric disorders and suicidal behavior. *Alcoholism: Clinical and Experimental Research*, 22, 333s-345s.
- Björkenstam, C., Kosidou, K., & Björkenstam, E. (2017). Childhood adversity and risk of suicide: cohort study of 548 721 adolescents and young adults in Sweden. *bmj*, 357.
- Blakely, T. A., Collings, S. C. D., & Atkinson, J. (2003). Unemployment and suicide. Evidence for a causal association? *Journal of Epidemiology and Community Health* (1979), 57(8), 594-600. <https://doi.org/10.1136/jech.57.8.594>.
- Bräker, A., & Soellner, R. (2016). Alcohol drinking cultures of European adolescents. *The European Journal of Public Health*, 26(4), 581-586. doi: 10.1093/eurpub/ckw033.
- Canetto, S. S., & Lester, D. (2002). Love and achievement motives in women's and men's suicide notes. *The Journal of psychology*, 136(5), 573-576.
- Cantor, C. H., & Slater, P. J. (1995). Marital breakdown, parenthood, and suicide. *Journal of Family Studies*, 1(2), 91-102.
- Cherpitel, C., Borges, G., & Wilcox, H. (2004). Acute Alcohol Use and Suicidal Behavior: A Review of the Literature. *Alcoholism: Clinical And Experimental Research*, 28, 18S-28S. doi: 10.1097/01.alc.0000127411.61634.14.
- Chu, W. M., Liao, W. C., Li, C. R., Lee, S. H., Tang, Y. J., Ho, H. E., & Lee, M. C. (2016). Late-career unemployment and all-cause mortality, functional disability and depression among the older adults in Taiwan: A 12-year population-based cohort study. *Archives of gerontology and geriatrics*, 65, 192-198.
- Clark, D. C., & Fawcett, J. (1992). Review of empirical risk factors for evaluation of the suicidal patient. In B. M. Bongar (Ed.), *Suicide: Guidelines for assessment, management, and treatment* (pp. 16-48). Oxford University Press.
- Conner, K., Duberstein, P., Conwell, Y., Seidlitz, L., & Caine, E. (2001). Psychological Vulnerability to Completed Suicide: A Review of Empirical Studies. *Suicide and Life-Threatening Behavior*, 31(4), 367-385. doi: 10.1521/suli.31.4.367.22048.
- Conner, K. R., McCloskey, M. S., & Duberstein, P. R. (2008). Psychiatric risk factors for suicide in the alcohol-dependent patient. *Psychiatric Annals*, 38(11).
- Coope, C., Gunnell, D., Hollingworth, W., Hawton, K., Kapur, N., Fearn, V., . . . Metcalfe, C. (2014). Suicide and the 2008 economic recession: Who is most at risk? Trends in suicide rates in england and wales 2001-2011. *Social Science & Medicine*, 117, 76-85. doi: <https://doi.org/10.1016/j.socscimed.2014.07.024>.
- Crosby, A., Ortega, L., & Melanson, C. (2011). Self-directed violence surveillance.
- Crowley, J. (2019). Does Everything Fall Apart? Life Assessments Following a Gray Divorce. *Journal of Family Issues*, 40(11), 1438-1461. doi: 10.1177/0192513x19839735.
- Cylus, J., Glymour, M., & Avendano, M. (2014). Do Generous Unemployment Benefit Programs Reduce Suicide Rates? A State Fixed-Effect Analysis Covering 1968-2008. *American Journal of Epidemiology*, 180(1), 45-52. doi: 10.1093/aje/kwu106.
- Dalglis, S. L., Melchior, M., Younes, N., & Surkan, P. J. (2015). Work characteristics and suicidal ideation in young adults in France. *Social psychiatry and psychiatric epidemiology*, 50(4), 613-620.
- Davis, M. S., Callanan, V. J., Lester, D., & Haines, J. (2009). An inquiry into relationship suicides and reciprocity. *Suicide and Life-Threatening Behavior*, 39(5), 482-498.
- De Hert, M., & Peuskens, J. (1998). Suicide in schizophrenia. *Acta Psychiatrica Belgica*, 1(98), 37-45.
- Deng, Z. X., & Li, G. Y. (2014). Relationship between suicidal ideation and parental out-migration for work among left-behind children aged 14 years or younger in Guizhou province. *Zhong Guo Gong Wei Sheng*, 30, 1154-56.
- Devries, K. M., Mak, J. Y., Bacchus, L. J., Child, J. C., Falder, G., Petzold, M., ... & Watts, C. H. (2013). Intimate partner violence and incident depressive symptoms and suicide attempts: a systematic review of longitudinal studies. *PLoS medicine*, 10(5), e1001439.
- Devries, K., Watts, C., Yoshihama, M., Kiss, L., Schraiber, L. B., Deyessa, N., . . . Garcia-Moreno, C. (2011). Violence against women is strongly associated with suicide attempts: Evidence from the WHO multi-country study on women's health and domestic violence against women. *Social Science & Medicine*, 73(1), 79-86. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.1016/j.socscimed.2011.05.006>.
- Diggle-Fox, B. (2016). Assessing suicide risk in older adults. *The Nurse Practitioner*, 41(10), 28-35. doi: 10.1097/01.npr.0000499551.10701.a3.
- Drake, R. E., & Cotton, P. G. (1986). Depression, hopelessness and suicide in chronic schizophrenia. *The British Journal of Psychiatry*, 148(5), 554-559.
- Donath, C., Graessel, E., Baier, D., Bleich, S., & Hillemacher, T. (2014). Is parenting style a predictor of suicide attempts in a representative sample of adolescents?. *BMC Pediatrics*, 14(1). doi: 10.1186/1471-2431-14-113.

- Dos Santos, M. (2015). Unemployment, Mental Health Worker and Suicide: a Systematic Review. *European Psychiatry*, 30, 375. doi: 10.1016/s0924-9338(15)30295-9.
- Durkheim, E. (2005). *Suicide: A study in sociology*. Routledge.
- Elliott, G. C., Colangelo, M. F., & Gelles, R. J. (2005). Mattering and suicide ideation: Establishing and elaborating a relationship. *Social Psychology Quarterly*, 68(3), 223-238. doi:http://dx.doi.org.ezproxy.cityu.edu.hk/10.1177/019027250506800303.
- Fässberg, M., Orden, K., Duberstein, P., Erlangsen, A., Lapiere, S., & Bodner, E., et al. (2012). A Systematic Review of Social Factors and Suicidal Behavior in Older Adulthood. *International Journal of Environmental Research and Public Health*, 9(3), 722-745. doi: 10.3390/ijerph9030722.
- Fergusson, D. M., Boden, J. M., & Horwood, L. J. (2007). Unemployment and suicidal behavior in a New Zealand birth cohort: A fixed effects regression analysis. *Crisis: The Journal of Crisis Intervention and Suicide Prevention*, 28(2), 95-101. doi:https://doi-org.ezproxy.cityu.edu.hk/10.1027/0227-5910.28.2.95.
- Flensburg-Madsen, T., Knop, J., Mortensen, E. L., Becker, U., Sher, L., & Grønbaek, M. (2009). Alcohol use disorders increase the risk of completed suicide—Irrespective of other psychiatric disorders. A longitudinal cohort study. *Psychiatry Research*, 167(1-2), 123-130. doi: https://doi.org/10.1016/j.psychres.2008.01.008.
- Foley S, Jackson D, McWilliams S, Renwick L, Sutton M, Turner N, Kinsella A, Hawton, K., Sutton, L., Camilla, H., Sinclair, J., & Deeks, J. J. (2005). Schizophrenia and suicide: Systematic review of risk factors. *The British Journal of Psychiatry*, 187(1), 9-20. doi:http://dx.doi.org/10.1192/bjp.187.1.9.
- Garcy, A. M., & Vågerö, D. (2012). The length of unemployment predicts mortality, differently in men and women, and by cause of death: A six year mortality follow-up of the Swedish 1992-1996 recession. *Social Science & Medicine*, 74(12), 1911-1920. doi:https://doi-org.ezproxy.cityu.edu.hk/10.1016/j.socscimed.2012.01.034.
- Gmel, G., Ghazinouri, A., & Rehm, J. (1998). Alcohol and suicide in Switzerland—an aggregate-level analysis. *Drug and alcohol review*, 17(1), 27-37.
- Gysin-Maillart, A., Schwab, S., Soravia, L., Megert, M., & Michel, K. (2016). A Novel Brief Therapy for Patients Who Attempt Suicide: A 24-months Follow-Up Randomized Controlled Study of the Attempted Suicide Short Intervention Program (ASSIP). *PLOS Medicine*, 13(3), e1001968. doi: 10.1371/journal.pmed.1001968.
- Harris, C., & Barraclough, B. (1998). Excess mortality of mental disorder. *The British journal of psychiatry*, 173(1), 11-53.
- Hazlett, E. A., Blair, N. J., Fernandez, N., Mascitelli, K., Perez-Rodriguez, M. M., New, A. S., ... Goodman, M. (2016). Startle amplitude during unpleasant pictures is greater in veterans with a history of multiple-suicide attempts and predicts a future suicide attempt. *Psychophysiology*, 53(10), 1524-1534. https://doi.org/10.1111/psyp.12698.
- Heikkinen, M., Aro, H., & Lönnqvist, J. (1992). Recent life events and their role in suicide as seen by the spouses. *Acta Psychiatrica Scandinavica*, 86(6), 489-494.
- Hettige, N., Nguyen, T., Yuan, C., Rajakulendran, T., Baddour, J., & Bhagwat, N. et al. (2017). Classification of suicide attempters in schizophrenia using sociocultural and clinical features: A machine learning approach. *General Hospital Psychiatry*, 47, 20-28. doi: 10.1016/j.genhosppsy.2017.03.001.
- Hill, R., & Pettit, J. (2013). The Role of Autonomy Needs in Suicidal Ideation: Integrating the Interpersonal-Psychological Theory of Suicide and Self-Determination Theory. *Archives of Suicide Research*, 17(3), 288-301. doi: 10.1080/13811118.2013.777001.
- James, A., Lai, F. H., & Dahl, C. (2004). Attention deficit hyperactivity disorder and suicide: a review of possible associations. *Acta Psychiatrica Scandinavica*, 110(6), 408-415.
- Joiner, T. E., Jr., Walker, R. L., Rudd, M. D., & Jobes, D. A. (1999). Scientizing and routinizing the assessment of suicidality in outpatient practice. *Professional Psychology: Research and Practice*, 30(5), 447-453. doi: http://dx.doi.org/10.1037/0735-7028.30.5.447.
- Joiner, T. E. (2005). *Why people die by suicide*. Harvard University Press.
- Joiner, T. E., Jr., Brown, J. S., & Wingate, L. R. (2005). The psychology and neurobiology of suicidal behavior. *Annual Review of Psychology*, 56, 287-314. doi: http://dx.doi.org/10.1146/annurev.psych.56.091103.070320.
- Kaminer, Y., Bursleson, J. A., Goldston, D. B., & Burke, R. H. (2006). Suicidal ideation among adolescents with alcohol use disorders during treatment and aftercare. *The American Journal on Addictions*, 15, s43-s49.
- Kaushik, A., Kostaki, E., & Kyriakopoulos, M. (2016). The stigma of mental illness in children and adolescents: A systematic review. *Psychiatry Research*, 243, 469-494. https://doi.org/10.1016/j.psychres.2016.04.042.
- Keyvanara, M., & Haghshenas, A. (2010). The sociocultural contexts of attempting suicide among women in Iran. *Health care for women international*, 31(9), 771-783.
- Khezeli, M., Hazavehei, S., Ariapooran, S., Ahmadi, A., Soltanian, A., & Rezapour-Shahkolaei, F. (2018). Suicidal ideation, marital discord, and decrease effective relations among women from iran. *Anadolu Psikiyatri Dergisi*, 19(5), 459-465. doi:https://doi-org.ezproxy.cityu.edu.hk/10.5455/apd.290683.

- Kim, J. (2018). Age and Sex-Related Differences in Risk Factors for Elderly Suicide: Differentiating between Suicide Ideation and Attempts. *The American Journal of Geriatric Psychiatry*, 26(3), S137-S138. doi: 10.1016/j.jagp.2018.01.167.
- Kim, T. J., & von dem Knesebeck, O. (2016). Perceived job insecurity, unemployment and depressive symptoms: a systematic review and meta-analysis of prospective observational studies. *International archives of occupational and environmental health*, 89(4), 561-573.
- Kingma, J. (1994). Alcohol Consumption in Trauma Patients with Injuries Due to Suicide Attempts and Automutilation. *Psychological Reports*, 75(3), 1337-1338. doi: 10.2466/pr0.1994.75.3.1337.
- Kizza, D., Hjelmeland, H., Kinyanda, E., & Knizek, B. L. (2012). Alcohol and suicide in postconflict northern Uganda: A qualitative psychological autopsy study. *Crisis: The Journal of Crisis Intervention and Suicide Prevention*, 33(2), 95-105. doi: <http://dx.doi.org.ezproxy.cityu.edu.hk/10.1027/0227-5910/a000119>.
- Kjellin, L., & Östman, M. (2005). Relatives of psychiatric inpatients--do physical violence and suicide attempts of patients influence family burden and participation in care? *Nordic Journal of Psychiatry*, 59(1), 7-11. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.1080/08039480510018850>.
- Knopik, V., Heath, A., Madden, P., Bucholz, K., Slutske, W., Nelson, E...Martin, N. (2004). Genetic effects on alcohol dependence risk: Re-evaluating the importance of psychiatric and other heritable risk factors. *Psychological Medicine*, 34(8), 1519-1530. doi:10.1017/S0033291704002922.
- Kolves, K., Milner, A., & Varnik, P. (2013). Suicide rates and socioeconomic factors in eastern European countries after the collapse of the soviet union: Trends between 1990 and 2008. *Sociology of Health and Illness*, 35(6), 956-970. doi: <https://doi-org.ezproxy.cityu.edu.hk/10.1111/1467-9566.12011>.
- Kölves, K., Draper, B. M., Snowdon, J., & De Leo, D. (2017). Alcohol-use disorders and suicide: Results from a psychological autopsy study in Australia. *Alcohol*, 64, 29-35.
- Kovacs, M., & Garrison, B. (1985). Hopelessness and eventual suicide: A 10-year prospective study of patients hospitalized with suicidal ideation. *American journal of Psychiatry*, 142(4), 559-563.
- Kposowa, A. J. (2001). Unemployment and suicide: a cohort analysis of social factors predicting suicide in the US National Longitudinal Mortality Study. *Psychological medicine*, 31(1), 127-138.
- Landberg, J. (2009). Per capita alcohol consumption and suicide rates in the US, 1950-2002. *Suicide and life-threatening behavior*, 39(4), 452-459.
- Larkin, C., Griffin, E., Corcoran, P., McAuliffe, C., Perry, I. J., & Arensman, E. (2017). Alcohol involvement in suicide and self-harm: Findings from two innovative surveillance systems. *Crisis: The Journal of Crisis Intervention and Suicide Prevention*, 38(6), 413-422. doi: <http://dx.doi.org.ezproxy.cityu.edu.hk/10.1027/0227-5910/a000488>.
- Lee, H., Seol, K., & Kim, J. (2017). Age and sex-related differences in risk factors for elderly suicide: Differentiating between suicide ideation and attempts. *International Journal of Geriatric Psychiatry*, 33(2), e300-e306. doi: 10.1002/gps.4794.
- Li, Z., Yang, Y., Dong, C., Li, L., Cui, Y., Zhao, Q., & Gu, Z. (2018). The prevalence of suicidal ideation and suicide attempt in patients with rheumatic diseases: a systematic review and meta-analysis. *Psychology, Health & Medicine*, 23(9), 1025-1036. doi: 10.1080/13548506.2018.1476724.
- Lin, P., & Tsai, G. (2004). Association between serotonin transporter gene promoter polymorphism and suicide: results of a meta-analysis. *Biological Psychiatry*, 55(10), 1023-1030. doi: 10.1016/j.biopsych.2004.02.006.
- Lincoln, T., Lullmann, E., & Rief, W. (2006). Correlates and Long-Term Consequences of Poor Insight in Patients With Schizophrenia. A Systematic Review. *Schizophrenia Bulletin*, 33(6), 1324-1342. doi: 10.1093/schbul/sbm002.
- Lu, L., Xu, L., Luan, X., Sun, L., Li, J., & Qin, W. et al. (2020). Gender difference in suicidal ideation and related factors among rural elderly: a cross-sectional study in Shandong, China. *Annals of General Psychiatry*, 19(1). doi: 10.1186/s12991-019-0256-0.
- Lundin, A., Lundberg, I., Hallsten, L., Ottosson, J., & Hemmingsson, T. (2010). Unemployment and mortality—A longitudinal prospective study on selection and causation in 49321 Swedish middle-aged men. *Journal of Epidemiology and Community Health*, 64(1), 22-28. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.1136/jech.2008.079269>.
- Lundin, A., Lundberg, I., Allebeck, P., & Hemmingsson, T. (2012). Unemployment and suicide in the Stockholm population: A register-based study on 771,068 men and women. *Public Health*, 126(5), 371-377. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.1016/j.puhe.2012.01.020>.
- Lysaker, P. H., Vohs, J., Hasson-Ohayon, I., Kukla, M., Wierwille, J., & Dimaggio, G. (2013). Depression and insight in schizophrenia: Comparisons of levels of deficits in social cognition and metacognition and internalized stigma across three profiles. *Schizophrenia Research*, 148(1), 18-23. <https://doi.org/10.1016/j.schres.2013.05.025>.
- MacIsaac, M. B., Bugeja, L. C., & Jelinek, G. A. (2017). The association between exposure to interpersonal violence and suicide among women: A systematic review. *Australian and New Zealand Journal of Public Health*, 41(1), 61-69. Retrieved from

<https://lbapp01.lib.cityu.edu.hk/ezlogin/index.aspx?url=https://www-proquest-com.ezproxy.cityu.edu.hk/scholarly-journals/association-between-exposure-interpersonal/docview/2290237441/se-2>.

- Mandal, E., & Zalewska, K. (2012). Childhood violence, experience of loss and hurt in close relationships at adulthood and emotional rejection as risk factors of suicide attempts among women.
- McLaughlin, J., O'Carroll, R. E., & O'Connor, R. C. (2012). Intimate partner abuse and suicidality: A systematic review. *Clinical Psychology Review, 32*(8), 677-689. doi: <https://doi-org.ezproxy.cityu.edu.hk/10.1016/j.cpr.2012.08.002>.
- Melson, A. J., & O'Connor, R. C. (2019). Differentiating adults who think about self-harm from those who engage in self-harm: the role of volitional alcohol factors. *BMC psychiatry, 19*(1), 1-9.
- Milner, A., Page, A., & LaMontagne, A. D. (2013). Long-term unemployment and suicide: A systematic review and meta-analysis. *PLoS One, 8*(1) doi: <https://doi-org.ezproxy.cityu.edu.hk/10.1371/journal.pone.0051333>.
- Milner, A., Page, A., & LaMontagne, A. D. (2014). Cause and effect in studies on unemployment, mental health and suicide: A meta-analytic and conceptual review. *Psychological Medicine, 44*(5), 909-17. doi: <https://doi.org/10.1017/S0033291713001621>.
- Moberg, T., Stenbacka, M., Jönsson, E. G., Nordström, P., Åsberg, M., & Jokinen, J. (2014). Risk factors for adult interpersonal violence in suicide attempters. *BMC Psychiatry, 14*, 7. doi: <https://doi-org.ezproxy.cityu.edu.hk/10.1186/1471-244X-14-195>.
- Moore, J. T., Cigularov, K. P., Chen, P. Y., Martinez, J. M., & Hindman, J. (2011). The effects of situational obstacles and social support on suicide-prevention gatekeeper behaviors. *Crisis: The Journal of Crisis Intervention and Suicide Prevention, 32*(5), 264-271. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.1027/0227-5910/a000090>.
- Morrell, S., Page, A., & Taylor, R. (2001). Unemployment and Youth Suicide. *The Economic and Labour Relations Review: ELRR, 12*(1), 17.
- Nock, M. K., Green, J. G., Hwang, I., McLaughlin, K. A., Sampson, N. A., Zaslavsky, A. M., & Kessler, R. C. (2013). Prevalence, correlates, and treatment of lifetime suicidal behavior among adolescents: results from the National Comorbidity Survey Replication Adolescent Supplement. *JAMA psychiatry, 70*(3), 300-310.
- Norström, T., & Rossow, I. (2016). Alcohol consumption as a risk factor for suicidal behavior: a systematic review of associations at the individual and at the population level. *Archives of Suicide Research, 20*(4), 489-506.
- Nrugham, L., Larsson, B., & Sund, A. (2008). Specific depressive symptoms and disorders as associates and predictors of suicidal acts across adolescence. *Journal of Affective Disorders, 111*(1), 83-93. doi: 10.1016/j.jad.2008.02.010.
- O'Callaghan E. (2008). Suicidality prior to presentation in first-episode psychosis. *Early Interv Psychiatry, Nov; 2*(4):242-6. doi: 10.1111/j.1751-7893.2008.00084.x. PMID: 21352157.
- Oquendo, M. A., Perez-rodriguez, M., Poh, E., Sullivan, G., Burke, A. K., Sublette, M. E., . . . Galfalvy, H. (2014). Life events: A complex role in the timing of suicidal behavior among depressed patients. *Molecular Psychiatry, 19*(8), 902-9. doi:<http://dx.doi.org.ezproxy.cityu.edu.hk/10.1038/mp.2013.128>.
- Panagiotti, M., Gooding, P., & Tarrier, N. (2012). A meta-analysis of the association between posttraumatic stress disorder and suicidality: the role of comorbid depression. *Comprehensive Psychiatry, 53*(7), 915-930. doi: 10.1016/j.comppsy.2012.02.009.
- Pompili, M., Girardi, P., Ruberto, A., & Tatarelli, R. (2005). Suicide in borderline personality disorder: a meta-analysis. *Nordic journal of psychiatry, 59*(5), 319-324.
- Pompili, M., Serafini, G., Innamorati, M., Dominici, G., Ferracuti, S., Kotzalidis, G. D., ... & Lester, D. (2010). Suicidal behavior and alcohol abuse. *International journal of environmental research and public health, 7*(4), 1392-1431.
- Pompili, M., Gonda, X., Serafini, G., Innamorati, M., Sher, L., Amore, M., ... & Girardi, P. (2013). Epidemiology of suicide in bipolar disorders: a systematic review of the literature. *Bipolar disorders, 15*(5), 457-490.
- Qureshi Naseem, N., Sherra, Al-Habeeb, & Sharqi. (2012). Suicidal and self-injurious behavior among patients with alcohol and drug abuse. *Substance Abuse and Rehabilitation, 91*. doi: 10.2147/sar.s22515.
- Ram, D., Chandran, S., Sadar, A., & Gowdappa, B. (2019). Correlation of cognitive resilience, cognitive flexibility and impulsivity in attempted suicide. *Indian Journal of Psychological Medicine, 41*(4), 362-367. doi:https://doi-org.ezproxy.cityu.edu.hk/10.4103/IJPSYM.IJPSYM_189_18.
- Ratcliffe, G., Enns, M., Belik, S., & Sareen, J. (2008). Chronic Pain Conditions and Suicidal Ideation and Suicide Attempts: An Epidemiologic Perspective. *The Clinical Journal of Pain, 24*(3), 204-210. doi: 10.1097/ajp.0b013e31815ca2a3.
- Razvodovsky, Y. E. (2007). Suicide and alcohol psychoses in belarus 1970-2005. *Crisis: The Journal of Crisis Intervention and Suicide Prevention, 28*(2), 61-66. doi: <https://doi.org/10.1027/0227-5910.28.2.61>.
- Razvodovsky, Y. E. (2009). Alcohol and suicide in belarus. *Psychiatria Danubina, 21*(3), 290-296. Retrieved from <https://lbapp01.lib.cityu.edu.hk/ezlogin/index.aspx?url=https://www-proquest-com/scholarly-journals/alcohol-suicide-belarus/docview/816389051/se-2?accountid=10134>.
- Reeves, A., McKee, M., Gunnell, D., Chang, S., Basu, S., Barr, B., & Stuckler, D. (2015). Economic shocks, resilience, and male

- suicides in the great recession: Cross-national analysis of 20 EU countries. *European Journal of Public Health*, 25(3), 404-409. doi:<https://doi.org/10.1093/eurpub/cku168>.
- Renaud, J., Berlim, M., McGirr, A., Tousignant, M., & Turecki, G. (2008). Current psychiatric morbidity, aggression/impulsivity, and personality dimensions in child and adolescent suicide: A case-control study. *Journal of Affective Disorders*, 105(1-3), 221-228. doi: 10.1016/j.jad.2007.05.013.
- Roercke, M., & Rehm, J. (2013). Alcohol use disorders and mortality: a systematic review and meta-analysis. *Addiction*, 108(9), 1562-1578.
- Rudd, M. D., Joiner, T., & Rajab, M. H. (1996). Relationships among suicide ideators, attempters, and multiple attempters in a young-adult sample. *Journal of Abnormal Psychology*, 105(4), 541-550. doi: <https://doi.org/10.1037/0021-843X.105.4.541>.
- Spirito, A., Sterling, C. M., Donaldson, D. L., & Arrigan, M. E. (1996). Factor analysis of the suicide intent scale with adolescent suicide attempters. *Journal of Personality Assessment*, 67(1), 90-101. doi: https://doi.org/10.1207/s15327752jpa6701_7.
- Tan, L., Xia, T., & Reece, C. (2016). Social and individual risk factors for suicide ideation among Chinese children and adolescents: A multilevel analysis. *International Journal of Psychology*, 53(2), 117-125. doi: 10.1002/ijop.12273.
- Tang, N., & Crane, C. (2006). Suicidality in chronic pain: A review of the prevalence, risk factors and psychological links. *Psychological Medicine*, 36(5), 575-586. doi: 10.1017/S0033291705006859.
- Todd, S., Barr, S., Roberts, M., & Passmore, A. P. (2013). Survival in dementia and predictors of mortality: a review. *International journal of geriatric psychiatry*, 28(11), 1109-1124.
- Van Orden, K., Witte, T., Cukrowicz, K., Braithwaite, S., Selby, E., & Joiner, T. (2010). The interpersonal theory of suicide. *Psychological Review*, 117(2), 575-600. doi: 10.1037/a0018697.
- Wakai, S., Schilling, E. A., Aseltine, R. H., Blair, E. W., Bourbeau, J., Duarte, A., . . . Welsh, A. (2020). Suicide prevention skills, confidence and training: Results from the zero suicide workforce survey of behavioral health care professionals. *Sage Open Medicine*, 8. doi: <https://doi-org.ezproxy.cityu.edu.hk/10.1177/2050312120933152>.
- Walsh, B., & Walsh, D. (2011). Suicide in ireland: The influence of alcohol and unemployment. *The Economic and Social Review*, 42(1), 27-47. Retrieved from <https://lbapp01.lib.cityu.edu.hk/ezlogin/index.aspx?url=https://www-proquest-com.ezproxy.cityu.edu.hk/scholarly-journals/suicide-ireland-influence-alcohol-unemployment/docview/864896937/se-2?accountid=10134>.
- Wilkinson, G., & Bacon, N. A. (1984). A clinical and epidemiological survey of parasuicide and suicide in edinburgh schizophrenics. *Psychological Medicine*, 14(4), 899-912. doi: <http://dx.doi.org/10.1017/S0033291700019863>.
- Wojnar, M., Ilgen, M. A., Czyz, E., Strobbe, S., Klimkiewicz, A., Jakubczyk, A., . . . Brower, K. J. (2009). Impulsive and non-impulsive suicide attempts in patients treated for alcohol dependence. *Journal of Affective Disorders*, 115(1-2), 131-139. doi: <https://doi.org/10.1016/j.jad.2008.09.001>.
- Wolfersdorf, M., Neher, F., & Arbeitsgemeinschaft Suizidalität und Psychiatrisches Krankenhaus. (2003). Schizophrenie und Suizid - Ergebnisse eines Kontrollgruppenvergleiches bei durch Suizid während stationärer psychiatrischer Behandlung verstorbenen schizophrenen Patienten [Schizophrenia and suicide--results of a control group comparison of schizophrenic inpatient suicides with schizophrenic inpatients without suicide]. *Psychiatrische Praxis*, 30(5), 272-278. <https://doi.org/10.1055/s-2003-40776>.
- Wong, J., & Mellor, D. (2014). Intimate partner violence and women's health and wellbeing: Impacts, risk factors and responses. *Contemporary Nurse*, 46(2), 170-179. doi:<https://doi-org.ezproxy.cityu.edu.hk/10.5172/conu.2014.46.2.170>.
- Woolfenden, S. U. E., Sarkozy, V., Ridley, G., Coory, M., & Williams, K. (2012). A systematic review of two outcomes in autism spectrum disorder—epilepsy and mortality. *Developmental Medicine & Child Neurology*, 54(4), 306-312.
- Yaldizli, Ö., Kuhl, H. C., Graf, M., Wiesbeck, G. A., & Wurst, F. M. (2010). Risk factors for suicide attempts in patients with alcohol dependence or abuse and a history of depressive symptoms: A subgroup analysis from the WHO/ISBRA study. *Drug and Alcohol Review*, 29(1), 64-74. doi: <https://doi.org/10.1111/j.1465-3362.2009.00089.x>.
- Zhao, C., Dang, X., Su, X., Bai, J., & Ma, L. (2015). Epidemiology of Suicide and Associated Socio-Demographic Factors in Emergency Department Patients in 7 General Hospitals in Northwestern China. *Medical Science Monitor*, 21, 2743-2749. doi: 10.12659/msm.894819.