Non-suicidal self-injury (NSSI) has been proposed as a new diagnostic category within DSM-5.1 The study of suicide and self-injurious behaviour has been plagued by inconsistent terminology over the years. The concept of self-injury arose from Kreitman's term 'parasuicide' used to label all non-accidental, self-poisoning or self-injury that did not result in death, regardless of the intention of the act.2 Over time the term 'deliberate self-harm' replaced parasuicide, however more recently the word 'deliberate' has been dropped because of its pejorative connotations and lack of favour with patients.2 Within the USA 'attempted suicide' has been the more commonly used term to refer to acts of self-injury with or without suicidal intent.3 Confusingly, within the USA the phrase 'deliberate self-harm' often refers to repetitive superficial poisoning or self-injury that did not result in death, regardless of the intention of the act.2 Over time the term 'deliberate self-harm' replaced parasuicide, however more recently the word 'deliberate' has been dropped because of its pejorative connotations and lack of favour with patients.2 Within the USA 'attempted suicide' has been the more commonly used term to refer to acts of self-injury with or without suicidal intent.3 Confusingly, within the USA the phrase 'deliberate self-harm' often refers to repetitive superficial bodily harm without suicidal intent, more frequently termed 'self-injury' in the UK.3

This varied nomenclature covers a spectrum of behaviour, from suicide to suicide attempt to acts of self-injury without suicide intent.3 Although some believe these various forms of self-injurious behaviour merely represent different degrees of lethality of suicide attempt, there is a growing body of evidence that the motives for NSSI are different.4 If NSSI is distinct in intent, function and epidemiology, then separating it from suicide attempt may be important. Many fundamental aspects of NSSI remain unknown, and the lack of clear separation and diagnostic clarity between suicide attempt and NSSI is likely to have hampered the development of a robust evidence base for NSSI, with an impact on the development of treatment for this phenomenon.

Prevalence of NSSI and associated factors

The difference in nomenclature and the lack of appropriately standardised and validated assessment tools for NSSI limits our understanding of its true incidence and prevalence. The majority of work evaluating NSSI has been on adolescents and young adults as a result of the belief that it is a phenomenon that declines across the course of a lifetime. One study has attempted to compare prevalence rates of NSSI in young adults across nations using comparable groups and study design.6 They compared NSSI, suicide attempts, suicide threats and suicidal ideation in a similar age group of adolescents, 14- to 17-year-olds, using the same validated assessment tools in both Germany and the USA. Findings revealed similar rates of adolescent engagement in at least one act of NSSI, with a prevalence of 25.6% in German adolescents compared with 23.6% in the US participants. Additional studies that distinguish between self-injury and suicide attempt in this way will allow clarity on prevalence rates across cultures.

Current research findings point towards diagnostic heterogeneity in those engaging in NSSI. Originally it was viewed as a symptom of borderline personality disorder; however, we now know that NSSI has been identified in numerous clinical samples without borderline personality disorder, including those with mood and anxiety disorders, eating disorders, substance misuse, conduct disorder and post-traumatic stress disorder.7 In the context of established NSSI, the extent of self-injury engaged in may play an important role in the prediction of more serious outcomes. Individuals who engage in moderate to severe self-injury are more likely to report a history of psychiatric treatment, admission to hospital, suicide attempt and suicidal ideation.7 Clarifying the extent of NSSI engaged in may be beneficial in assisting health professionals assess the level of risk associated with such behaviours.

Definition of NSSI

Non-suicidal self-injury is the direct, deliberate destruction of one’s own body tissue in the absence of intent to die. It differs from suicide attempt with respect to intent, lethality, chronicity, methods, cognitions, reactions, aftermath, demographics and prevalence. Primarily, the person’s intent in NSSI is not to terminate consciousness but to modify it. Common forms of NSSI include cutting, burning, scratching, banging, hitting, biting and excessive rubbing. Preceding the act of self-injury is a psychological experience of increasing anger, tension, anxiety, dysphoria and general distress or depersonalisation, which the person feels they cannot escape from or control. Engaging in NSSI provides a temporary release from these distressing emotions. Other reasons include: self-punishment; to draw attention so that other people can see their distress; to make other people feel guilty and change their behaviour; and to tie in socially with peers who self-injure.5 An immediate feeling of relief, gratification and/or release from depersonalisation follows the act of self-injury. However, despite this transient response, NSSI leads to longer-term negative consequences. Emotionally, it can evoke abiding complex feelings of guilt and shame towards the self.

Declaration of interest

None.

Summary

Nomenclature used to describe acts of self-harm without fatal consequences varies considerably. The term ‘non-suicidal self-injury’ (NSSI) offers an opportunity to clarify study in this field, dichotomising the presence or absence of suicidal intent. This may improve consistency in reporting suicide and self-injurious behaviour with implications for management and prognosis.
The importance of identifying NSSI lies not only in its associated negative emotional, physical and social consequences but also in its association with suicide attempts. It has been found that NSSI is the strongest predictor of future suicide attempts in adolescents with depression receiving treatment under randomised controlled trial conditions. High levels of depression, suicidal ideation and hopelessness characterise participants who engage in either NSSI or suicide attempt. These findings suggest that there are common risk factors predisposing to both NSSI and suicide attempt. Nonetheless, clear differences have been found in the extent and quality of these common clinical factors, which supports the hypothesis that NSSI is a distinct entity in its own right. Those who attempt suicide when compared with those who engage in NSSI have higher scores on anxiety, depression and suicide ideation measurements.

One theory explaining the association is based on the hypothesis that engaging in NSSI predisposes to suicidal attempt. Potentially traumatic experiences such as NSSI, child abuse and combat exposure may desensitise an individual to pain and fear of self-destruction, so making suicide attempt more likely. A further possibility is that with a lower combination of risk factors only NSSI may be apparent. However, with a greater loading of psychopathology and environmental difficulties, one sees more frequent and persistent NSSI and eventually suicide attempt. This would suggest that although NSSI may not directly lead to suicide attempt, if the needs and deficits reflected in NSSI are not addressed it may ensue.

Notwithstanding the important association between NSSI and suicide attempt or the hypothesis that it lies along a spectrum of self-destructive actions, it is essential to remember that NSSI does not necessarily represent a less lethal attempt at suicide. The clear distinction is that whereas NSSI represents a maladaptive coping mechanism to regulate overwhelming emotions and to endure life, suicide attempt reflects a desire to escape and to end one’s life. Non-suicidal self-injury can be understood as a signal of psychological distress, which could increase risk for suicide. 1 Non-suicidal self-injury and suicide attempt can occur in isolation yet they may also co-occur, there may even be alternation between NSSI and suicide attempt in the same individual. Yet, this does not mean that NSSI and suicide attempt are the same; essential qualitative and phenomenological differences do distinguish suicide attempt from NSSI so continuing to differentiate self-injury with and without suicidal intent is essential to building precise understandings of these behaviours. 10

### References

Attempted suicide v. non-suicidal self-injury: behaviour, syndrome or diagnosis?
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Access the most recent version at DOI: 10.1192/bjp.bp.112.113506