

Please visit <https://www.evidentlybetter.org/bulletins/suicide-prevention/> to view our webpage featuring key links and emerging reports about suicide prevention.

Studies

[Evaluating of BERT-based and Large Language Mod for Suicide Detection, Prevention, and Risk Assessment: A Systematic Review](#)

Most of the studies demonstrated high effectiveness relative to the detection and prediction abilities of mental health professionals. The potential of LLMs cannot be disregarded. Indeed, most publications demonstrate a significant advantage for LLMs, especially when compared to existing literature in the field. Nevertheless, the research methods used in these studies vary considerably. Moreover, ethical issues regarding the use of AI for mental health must be highlighted. Follow-up studies are needed to understand how AI can assist professionals in preventing, identifying, and intervening in suicide cases.

[Risk Model-Guided Clinical Decision Support for Suicide Screening: A Randomized Clinical Trial](#)

In this randomized clinical trial of interruptive and noninterruptive CDS to prompt face-to-face suicide risk assessment, interruptive CDS led to higher numbers of decisions to screen with documented suicide risk assessments. Well-powered large-scale trials randomizing this type of CDS compared with standard of care are indicated to measure effectiveness in reducing suicidal self-harm.

[Prevention of self-harm and suicide in young people up to the age of 25 in education settings](#)

While this review provides an update on the evidence about interventions targeting self-harm and suicide prevention in education settings, there remains significant uncertainty about the impact of these interventions. There are some promising findings but large replication studies are needed, as are studies that examine the combination of different intervention approaches, and can be delivered in a safe environment and implemented over a long period of time. Further research is required to understand and measure outcomes that are meaningful to young people with lived experience, as they want coping skills and safety of the environment in which they conduct their everyday lives to be measured as key outcomes in future trials.

[Non-fatal acute barium carbonate poisoning following suicidal ingestion: A case report](#)

The diagnosis of poisoning is based on both clinical assessment and biochemical measurement. Early recognition has significant prognostic implications. However, early diagnosis is complicated by poor historians and concurrent suicidal acts. Clinicians should be vigilant when a patient presents gastrointestinal symptoms and limb weakness, associated with severe hypokalemia and cardiac arrhythmia in a short disease course, for suspected barium poisoning.

[Negative Affect and Impulsivity in Adolescents with Non-Suicidal Self-Injury: The Moderating and Mediating Roles of Perceived Social Support](#)

Compared to healthy adolescents, NSSI individuals were more impulsive, while perceived support from family and significant others prevented the anxious NSSI adolescents from lower cognitive complexity. Therefore, more social support should be available to NSSI adolescents with high anxiety to reduce their risk of self-harm due to high impulsivity.



Statistics

[Quarterly suicide death registrations in England](#)

Provisional rate and number of suicide deaths registered in England per quarter. Includes 2001 to 2023 registrations and provisional data for Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 2024. These are official statistics in development. [Dataset](#)

Guidance

[Gambling harms and bereavement by suicide](#)

This guide is for professionals working with people who have been bereaved by suicide. It will take into consideration the many ways in which gambling may impact those bereaved by suicide so that suicide bereavement support services are able to respond and offer timely and appropriate support.

Webinar

[Machine Learning Based Prediction Models For Suicide Prediction](#)

A discussion on machine learning and suicide prevention with leading US academics/clinicians, recorded at the CSRP Webinar on December 6th, 2024.

News

[Zero Suicide Alliance's 2024 highlights](#)

A look back at some of ZSA's highlights of 2024, and a look forward at projects for 2025.

[December 2024 MRF Newsletter: A year in numbers](#)

A look back at a successful year of Molly Rose Foundation.