

to mention that one-third of this population did not meet criteria for any mental disorder.

**Disclosure of interest** The authors have not supplied their declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1799>

#### EV1470

### Suicide sleep monitoring (SSleeM): A feasibility and acceptability study of a wearable sleep tracking monitoring device in suicide attempters

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**Introduction** Sleep disturbances are associated with an increased risk of suicidal behavior. The evidence primarily stems from studies based on questionnaires about sleep quality. In recent years, the availability of wearable health technology has increased and offers an inexpensive, appealing, and accessible way to measure sleep. Our aim is to assess the feasibility and acceptability of wearable sleep tracking monitoring devices in a sample of suicide attempters.

**Methods** A prospective, open-label, 12-months study will be conducted in the emergency department (ED) and psychiatric unit (PU) of the university hospital of Brest, France. Inclusion criteria are male or female aged 18 or over, surviving a suicide attempt, discharged from ED or PU, and giving consent. The sleep tracker and a smartphone will be given to the patient after discharge. He or she will receive brief training on how to use the sleep tracker. Patient will be asked to monitor their sleep during the five days following the discharge. The feasibility will be explored by analyzing the data proceeding from the sleep tracker. The acceptability will be assessed during the five-days follow up visit, using a standardized questionnaire.

**Results** Preliminary results of this ongoing study show that feasibility and acceptance may be related to technical features of wearable devices.

**Discussion** A better understanding of the bidirectional mechanism between sleep disturbances and suicide behavior will allow the design of tailored interventions to prevent suicide attempts.

**Disclosure of interest** The authors have not supplied their declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1800>

#### EV1471

### Suicide prevention program in the Argentine federal penitentiary service

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Suicide configures failure in the mental health care of persons deprived of their liberty in terms of detection of risk factors, prevention, specific planning in terms of addressing thoughts of death or autolytic planning, trends, impulses and moods. The factors that unite in this catastrophe are multiple and depend not only on mental health care, but also on the circumstances that led to the deprivation of liberty, the family and the care of social continence

and the intimate relationship of the person with its existence. Also, security personnel who take care of people in confinement contexts have a preponderant role in suicide preference. Structuring the personality distorted, immature or insufficient, circumstances that lead to vulnerability and threaten the preservation of life in the context of constant stress and loneliness. The transdisciplinary work experience provides us with constant review and dynamic concepts and practices to predict, diagnose and prevent risky behaviors prone to the symptoms of self-injury or self-harm of patients. In this sense, we propose interdisciplinary interviews of entry, registry for the detection of risk factors, specific treatment in patients at risk. The transdisciplinary confluence is a tool to be implemented to quantify the results and propose to reduce the incidence of suicide in people in a confinement context.

**Disclosure of interest** The authors have not supplied their declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1801>

#### EV1472

### Road traffic accidents and suicide rates in Europe

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**Introduction** Road traffic death and suicide may have some similarity in their psychological correlates; furthermore, road traffic should be considered as a suicide method.

**Aims** The present study aims to explore the relationship between road traffic deaths and suicides in Europe.

**Methods** Rates of road traffic accident deaths and suicides and gross national income (GNI) per capita for 40 European nations were obtained from the world health organization official database. The total sample was divided on 22 eastern European nations and 18 western European nations.

**Results** Mortality rate from road traffic accidents in groups of all European nations is associated positively with suicides (Pearson  $r=0.45$ , two-tailed  $P<0.01$ ) and negatively with GNI ( $r=-0.64$ ,  $P<0.0001$ ). At the same time suicide rates does not reveal a significant correlation with GNI. In the groups of eastern European nations road traffic deaths is associated positively with suicides ( $r=0.57$ ,  $P<0.01$ ) and relationship with GNI is not significant. As a contrast, in the groups of western European nations road traffic deaths is associated negatively with GNI ( $r=-0.69$ ,  $P<0.01$ ) and shows any significant relationship with suicides. Although in this group, suicides show some positive correlation with GNP ( $r=0.45$ ,  $P<0.05$ ).

**Conclusions** The present data indicate, therefore, that mode of ecological association between three studied indices is various in the different group of European nations what suggests the multifactorial complexity of violent death etiological mechanisms. At the same time, the data allow to suggest that socioeconomic factors are more essential in prevention of road traffic mortality than suicides.

**Disclosure of interest** The authors have not supplied their declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1802>

#### EV1473

### Bridgend “Bebo Internet Suicide Cult” and ritual violence in Wales

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**Introduction** In a small South Wales town 17 teenagers seemingly committed suicide through hanging in 2008 triggering national

media coverage. In the same region, several “Satanist” offenders were successfully prosecuted since.

**Objectives** This paper raises awareness of this “suicide epidemic” and its possible links to ritual violence ideologies.

**Aims** The research explores how “mind control” through secret societies can lead to suicide and murder.

**Methods** The research was prompted by client disclosures of a crime series that lead to a false “delusional” diagnosis. Review of the sparse literature and media coverage was used to ascertain themes.

**Results** Colin Batley, a self-styled Satanist high priest, was sentenced for child sexual abuse alongside 4 others. His son Damien had died through aspiration when filming himself in a “sexual stimulation game”.

Ian Watkins, disgraced singer of “The Lost Prophets”, was sentenced for abusing two babies provided by two “super-fan” mums. Peaches Geldorf tweeted their names, got a tattoo of O.T.O, a Satanist “kinky sex” group and was found dead a year later.

Albert and Carole Hickman were sentenced for sexually abusing an 11-year-old including “sucking blood”.

Matthew Williams cannibalised his victim before being killed with a police taser.

**Conclusions** “Hanging” and “Over-dosing” could be the result of suicide or of “being suicided”. The abuse crimes of all three Satanists convicted in the last 15 years in UK courts occurred in South Wales. Associated violent death in the vicinity of the cases and authority irregularities suggest the operation of an “Organised ritualised crime abuse network” posing challenges for psychiatry.

**Disclosure of interest** The author has not supplied his/her declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1803>

#### EV1474

### Characteristics of suicide attempters with a high lethality means

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**Introduction** Suicide attempts with higher lethality increase the likelihood of suicide completion. Accumulating knowledge on risk factors contributing to higher suicide lethality may help clinicians to allocate their limited resources to more endangered people.

**Objectives** To explore the factors associated with higher lethality in suicide attempts.

**Methods** All suicide attempters, who visited the emergency department of Uijeongbu St. Mary's hospital from January 2014 to December 2015, were reviewed retrospectively. We compared between the high vs. the low lethality group, of which had been recorded based on clinical judgment using *t*-test or Chi<sup>2</sup>/Fisher's exact test with two-sided *P*-value of 0.05.

**Results** Among the 753 suicide attempters, the assessed lethality was recorded in 736 cases. Low and highly lethal attempters were 426 (57.9%) and 310 (42.1%), respectively. For demographic variables, the high lethality attempters were significantly more likely to be older (48.3 vs. 44.78; *P*=0.009), unemployed (61.0% vs. 56.5%; *P*=0.042, without religion (90.9% vs. 84.9%; *P*=0.017). For clinical variables, the high lethality attempters were significantly more likely have hopelessness (67.7% vs. 58.2%; *P*=0.013) and a history of schizophrenia (4.5% vs. 1.4%; *P*=0.023, while they did display any difference for mood disorders. The low lethality suicide attempts were more frequent in patients with comorbid personality disorders (9.2% vs. 4.9%; *P*=0.031).

**Conclusions** These results are in line with literatures reporting higher suicide risk in people, who are old, unemployed, not having a religion, psychotic and hopeless. These may have been moderated by committing a higher lethal means of suicide at least in part and warrants additional investigations.

**Disclosure of interest** The authors have not supplied their declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1804>

#### EV1475

### Is prior suicide attempt a reliable indicator of short-term suicide risk amongst patients admitted to an acute suicide inpatient intervention unit in India?

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**Introduction** Traditionally past suicide attempt is considered a strong reliable factor in predicting an immediate or short-term suicide risk. Considering the complex interplay of different variables associated with suicide, the absence of past attempts may not prove to be of lesser risk for a consequent attempt.

**Aim** To compare sociodemographic and clinical correlates within high-risk suicidal patients who have made a recent suicide attempt in the presence versus absence of past suicide attempts.

**Methods** Retrospective review of patient's records admitted to intensive care unit, applied suicide intervention and supportive treatment (ASIST) between 1st January 2015 and 31st May 2016 was conducted. Data was extracted for all consecutive admissions to ASIST, of adults (16 to 60 years) male patients with high risk for suicide.

**Results** Out of 109 at risk inpatients, 31% were recent attempters without past attempts and 13.5% were recent and past attempters. Rest included past attempters without recent attempt and non-attempters. Except for poor coping skills, which were significantly higher (Chi<sup>2</sup>= 13.97; *P*=0.001) in the group consisting recent and past attempters, all other relevant sociodemographic and illness related correlates were comparable across these groups.

**Conclusion** Suicide risk may be associated with multiple factors. Apart from past attempts, a faulty coping style can be associated with risk for further attempts. Other correlates like age, marital status, employment and illness profile did not follow the traditional pattern in our study which makes them equally important while addressing suicide risk in Indian men.

**Disclosure of interest** The author has not supplied his/her declaration of competing interest.

<http://dx.doi.org/10.1016/j.eurpsy.2017.01.1805>

#### EV1476

### Fear from freedom, tendency to suicide

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The growth of social activities for women in Iran has had a two-sided outcome for women. The worst, the women have encountered the phenomenon of prison, which is a great problem in traditional and Islamic societies. The change of role expectations after the release from prison has imposed many restrictions on women so that there is not any vivid future for them. Lack of enough education and skill has deprived the prisoner women from retaining their pre-prison situation. The high number of suicide among prisoner women shows that subculture of encountering with prisoned women in Islamic societies is based on sin approach in that the women are sinners who will be sent to hell in the other world and they must see the punishment of their sin to be ready for the extreme heat. Disinterestedness in the interaction with other people and loving isolation are two characteristics of style life for these women. The efforts of authorities to return these women to normal life, unfortunately, have failed to work. This paper investigates