

evidence of publication bias was reported in the main analysis (lifetime SA).

**Conclusions:** Collected data are therefore in line with previous literature on this topic, which considered physical pain an extremely relevant risk factor for suicidal thoughts and behaviours. Future studies should specifically focus on alternative types of physical pain (such as medically unexplained pain or psychogenic pain) or explore the different impact of acute versus chronic pain in terms of increased suicide risk.

**Keywords:** Suicidal Thoughts; suicidal behaviours; meta-analysis; Physical Pain

### EPP1390

#### Forensic data on adolescents who died by suicide in Greece

A. Paraschakis<sup>1</sup>, V. Karageorgiou<sup>2</sup>, I. Kourtesis<sup>1\*</sup>, I. Boyokas<sup>3</sup> and I. Michopoulos<sup>2</sup>

<sup>1</sup>Department Of General Adult Psychiatry, Psychiatric Hospital of Attica "Dafni", Athens, Greece; <sup>2</sup>2nd Department Of Psychiatry, "attikon" General Hospital, National and Kapodistrian University of Athens, Athens, Greece and <sup>3</sup>Piraeus Department Of Forensic Medicine, Ministry of Justice, Piraeus, Greece

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1550

**Introduction:** Suicide is the second most common cause of adolescent mortality worldwide.

**Objectives:** To study the characteristics of a sample of adolescents (<18years of age) who died by suicide in Greece.

**Methods:** We investigated all suicides that took place within the area of the Piraeus Department of Forensic Medicine (population covered ~700,000) for the period 1992-2016, based on the victims' forensic records.

**Results:** During the 25-year period, 16 adolescents (and 1162 adults) died by suicide. They were mostly males (11/68.75%) and of Greek Nationality (14/87.5%). The mean age was 15.56 years (range: 12-17, standard deviation: 1.46). Two (12.5%) were under psychiatric medication (an antipsychotic and an antidepressant, respectively); none was receiving a benzodiazepine or a mood-stabilizing antiepileptic. None had used amphetamine, cannabis, cocaine or heroin. Two (12.5%) -one girl one boy- had consumed alcohol. The suicides took place primarily at home (12/75%), followed by outdoors (3/18.75%); one (6.25%) took place in a correctional facility. Hanging was the most prevalent method (6/37.5), followed by jumping (5/31.25%), shooting by a firearm (2/12.5%), drowning (1/6.25%), medication overdose (1/6.25% -amitriptyline poisoning) and a case of suffocating death (1/6.25%). Most suicides happened in September (5/31.25%) and April (3/18.75%). No significant differences were noted with the adult sample.

**Conclusions:** The methods chosen by the adolescents who died by suicide in our sample differ strikingly from those of usual suicide attempts at that age (medication overdose/self-cutting). The periods when the suicides took place may imply a role for school stress. Our study was retrospective and focused primarily on a large urban area.

**Keywords:** Forensic; Suicide; adolescent; Greece

### EPP1391

#### Suicidal behaviour in medicine students and residents.

M.D.C. Molina Lietor\*, I. Cuevas and M. Blanco Prieto

Psiquiatría, Hospital Universitario Príncipe de Asturias, Alcalá de Henares, Spain

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1551

**Introduction:** Among medical students the rate of depression varies between 5-32% and it is known that the suicide rate is higher than in the general population.

**Objectives:** Clear and current data are needed to design studies for the diagnosis and treatment of students and residents of Medicine with psychological and psychiatric disorders in order to reduce rates of suicidal behavior in this population group.

**Methods:** A systematic search for articles on the UpToDate, PubMed and Mendeley platforms has been conducted with the keywords "suicide", "suicidal behavior", "suicidal ideation", "medicalschoo" and "medical students". We found 435 items from which a total of 42 items were selected.

**Results:** The prevalence of depression is 27.2%, of which only 15.7% of them are under treatment. Burnout, has a high prevalence of 45-50%. The prevalence of suicidal ideation in the last year is 11.1%. The most commonly used method is medication overdose. Suicidal behavior is greater among students who choose to choose Psychiatry or Family and Community Medicine as a specialty.

**Conclusions:** The rate of suicidal ideation among medical students is 11.1%. Nearly one out of every three medical students suffers from depression in some degree, and only one in five is treated. The similar prevalence of burnout at all levels supposes poor management of stress from the faculty. Medical schools should reduce the associated stigma and should encourage depressed students to seek treatment.

**Keywords:** Medicine students; Suicide; Depression; suicidal behaviour

### EPP1392

#### Patients with substance use disorder who have higher alexithymia levels present more suicidality history: Preliminary results in an outpatient addiction treatment center in Spain.

R. Palma Álvarez<sup>1\*</sup>, C. Daigre<sup>1</sup>, E. Ros-Cucurull<sup>1</sup>, P. Serrano-Pérez<sup>1</sup>, G. Ortega-Hernandez<sup>1</sup>, M. Perea-Ortueta<sup>1</sup>, J. Vendrell-Serres<sup>1</sup>, L. Gallego<sup>1</sup>, J.A. Ramos-Quiroga<sup>1</sup>, L. Grau-López<sup>1</sup> and C. Roncero<sup>2</sup>

<sup>1</sup>Psychiatry, Hospital Universitari Vall d'Hebron, Barcelona, Spain and

<sup>2</sup>Psychiatry, Complejo Asistencial Universitario de Salamanca.

Instituto de Biomedicina de Salamanca, Salamanca, Spain

\*Corresponding author.

doi: 10.1192/j.eurpsy.2021.1552

**Introduction:** Patients with substance use disorders (SUD) have higher alexithymia levels and present frequently suicidal ideation (SI) and suicide (SA) [1,2]. Beside, alexithymia has been related to suicidal behaviors in several psychiatric disorders[3]. Although, there are some studies on alexithymia and suicidality in SUD patients, to our knowledge there are no studies on this issue in Spanish population.