

comparison and have not accounted for familial confoundings. The role of other psychiatric comorbidities also remains unknown.

**Objectives:** To examine the risk of SUP in individuals with mild-ID and assess whether the associations depend on other psychiatric comorbidities, controlling for potential familial confounding.

**Methods:** Population-based cohort study of individuals born in Sweden 1973-2003. We identified 19,078 individuals with mild-ID, 953,900 reference individuals from the general population, and 20,722 full-siblings of individuals with mild-ID. Conditional logistic regression models were used to compare individuals with mild-ID to the general population and their full-siblings regarding the risk of SUP, including alcohol and substance use disorders, alcohol and substance-related somatic diseases, substance-related crime, and substance-related death. Analyses were repeated stratified by the presence of psychiatric comorbidities.

**Results:** Individuals with mild-ID had increased risks of any SUP (adjusted OR [95%CI]: 1.41 [1.35, 1.47]), compared to the general population, including alcohol-related somatic diseases (3.27 [1.92, 5.59]), alcohol (2.05 [1.91, 2.22]) and drug-use disorder (1.79 [1.69, 1.91]), and alcohol (1.36 [1.19, 1.49]) and drug-related crime (1.27 [1.19, 1.36]). The risk of SUP for individuals with mild ID was particularly elevated with comorbid mood (3.74 [3.47, 4.04]), anxiety (3.30 [3.09, 3.53]) and attention-deficit/hyperactivity disorders (2.61 [2.44, 2.80]). Increased risk of SUP remained significant when controlling for familial confounding.

**Conclusions:** Individuals with mild-ID, especially those with other psychiatric comorbidities, are at increased risks of SUP.

**Disclosure:** No significant relationships.

**Keywords:** Substance Use-Related Problems; intellectual disability; Population-Based Cohort Study

## O0043

### The role of substance use in the risk of not getting employed among young people: Prospective findings from the CONSTANCES cohort.

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doi: 10.1192/j.eurpsy.2022.244

**Introduction:** It remains unclear whether substance use in youth could be associated with a lower likelihood of accessing employment.

**Objectives:** To examine prospectively associations between substance use and the risk of not getting employed among young people.

**Methods:** From the French population-based CONSTANCES cohort, 2,873 students who never worked were included between 2012 and 2018 and followed-up for 2.7 years in average. Generalized estimating equations computed the odds of being unemployed versus employed according to substance use at baseline controlling for sociodemographic factors and depressive state. Tobacco use (smoking status and number of cigarettes), cannabis use frequency, and at-risk alcohol use according to the Alcohol Use Disorder Identification Test (total score >7) were introduced separately in the models.

**Results:** Tobacco use wasn't significantly associated with employment. Cannabis use at least weekly, and at-risk alcohol use, were associated with increased odds of being unemployed (OR=1.85, 95%CI(1.29, 2.64)) and OR=1.34, 95%CI(1.04, 1.71)), respectively. Additional analyses on sub-scores of alcohol use suggested that the association was mainly driven by alcohol dependence rather than frequency of use.

**Conclusions:** Public health campaigns must target youth by advising them of the detrimental roles of regular cannabis use and at-risk alcohol use and their lower chances of getting employed.

**Disclosure:** No significant relationships.

**Keywords:** Cannabis use; Alcohol use; Tobacco use; Employment

## O0044

### Psychological impacts of Intentional Non-Medical Fentanyl Use Among People Who Use Drugs: A Systematic Review

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doi: 10.1192/j.eurpsy.2022.245

**Introduction:** The use of non-medical fentanyl and structurally related compounds has changed drastically over the last ten years. Community members working with individuals who use fentanyl intentionally currently struggle with the rapidly evolving drug markets and patterns of use, thereby failing to adapt treatment approaches and harm reduction strategies to individuals with severe opioid use disorder (OUD) and concurrent psychiatric disorders.

**Objectives:** This systematic review aims to evaluate intentional fentanyl among PWUD by summarizing demographic variance, concurrent disorders, and resulting patterns of use.

**Methods:** The search strategy in this study was developed with a combination of free text keywords and Mesh and non-Mesh keywords, and adapted with database-specific filters to Ovid MEDLINE, Embase, Web of Science, and PsychINFO (May 2021). The search results resulted in 4437 studies after de-duplication, of which 132 were selected for full-text review. A total of 42 articles were included in this review.

**Results:** It was found that individuals who use fentanyl intentionally were more likely to be young, male, and Caucasian. Individuals who intentionally use fentanyl were more commonly homeless, unemployed or working illegally, and live-in cities. Independent correlates of any purposeful fentanyl use included moderate/severe depression.

**Conclusions:** Individuals who intentionally use fentanyl are more likely to report injection drug use and polysubstance use, including cocaine use, heroin use, and methamphetamine use. Among PWUD, individuals who intentionally use fentanyl have the most severe substance use patterns, the most precarious living situation, and the most extensive overdose history and higher proportion of ever having a mental health diagnosis.

**Disclosure:** No significant relationships.

**Keywords:** addiction; addictive disorder; psychosis; overdose

## O0045

### The moderating role of mental health on the association between gaming time and gaming disorder symptoms

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doi: 10.1192/j.eurpsy.2022.246

**Introduction:** Video games are among the most popular leisure time activities. While majority of gamers play in a healthy manner, a minority shows gaming disorder (GD) symptoms and experiences detrimental effects in their lives. Even though gaming time is moderately associated with gaming disorder symptoms, research suggests that it is not a reliable predictor by itself.

**Objectives:** The aim of the present study is to explore whether depression symptoms, self-esteem, attention-deficit/hyperactivity disorder (ADHD) and escapism (when gaming is motivated by the avoidance of everyday problems) moderate the association between gaming time and GD symptoms and whether this is different for boys and girls.

**Methods:** Data was collected from a representative sample of 5<sup>th</sup> grade students of public education institutions in Budapest. Sample selection was carried out by one-step sampling stratified for school type, district, and maintainer; the sampling unit was the class. Data from 2126 students were analyzed (49.3% male, mean age 10.7 years, SD=0.54).

**Results:** Depression symptoms moderated the association between gaming time and GD symptoms in both genders. For those with higher depression symptoms the aforementioned association was stronger. Furthermore, self-esteem had a moderator effect only among girls, while escapism motivation and ADHD only among boys. In these cases, the association between gaming time and GD symptoms was stronger among those with lower self-esteem, and higher ADHD and escapism scores.

**Conclusions:** Results suggest that gaming time is more strongly connected to GD symptoms in certain conditions, but its predictive value is limited even in those cases.

**Disclosure:** Funding statement: This study was supported by the Hungarian National Research, Development and Innovation Office (KKP126835). Orsolya Király was supported by the János Bolyai Research Scholarship of the Hungarian Academy of Sciences and by the ÚNKP-21-5

**Keywords:** Gaming Disorder; escapism; adhd; Depression

## O0048

### Sociodemographic characteristics and correlates of Delta-8 THC use in US adults

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doi: 10.1192/j.eurpsy.2022.247

**Introduction:** Recent reports suggest that Delta-8 THC use has surged during the past year. Although Delta-8 THC is believed to have relatively low psychoactive potency, its effects are not well characterized and the associated individual and public health risks are unknown.

**Objectives:** Identify patterns of Delta-8 THC use among US adult cannabis users and examine associations with sociodemographic characteristics and cannabis use-related variables.

**Methods:** We surveyed 4,349 US adult cannabis users recruited via online advertisements. We calculated frequencies of sociodemographic characteristics in past 30-day Delta-8 THC users. Odds ratios were used to indicate associations between sociodemographic characteristics and past 30-day Delta-8 THC use.

**Results:** Respondents aged 45–64 years were significantly more likely than other age groups to have used Delta-8 THC during the past 30 days (odds ratio=1.48, 95% CI 1.04, 2.11). Fifty-eight percent of the sample had heard of Delta-8 THC, 66.8% of which had first heard of it during the last year and 37.1% first heard of it via social media. The most common methods of consumption were vaping concentrates and edibles. We identified motivations for use of Delta-8 THC that potentially indicate a preference for legal options and/or a perception that Delta-8 THC has medical benefits.

**Conclusions:** This study provides a snapshot of patterns of Delta-8 THC use among US adult cannabis users. Further investigation of the perceived medical benefits of Delta-8 THC, the role of social media in promoting its use, and the effectiveness of restrictions on Delta-8 THC products would provide further information to guide public health policy regarding Delta-8 THC.

**Disclosure:** No significant relationships.

**Keywords:** Delta-8 THC; Marijuana; Hemp; Cannabis

## O0049

### Dual disorders in liaison-consultation psychiatry. A descriptive study of patients with substance use disorder admitted to a general hospital.

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doi: 10.1192/j.eurpsy.2022.248

**Introduction:** Several studies describe that the coexistence of a substance use disorder with another psychiatric condition or “dual disorder” (DD) is associated with a worse evolution at all levels, including a greater burden of medical illnesses and greater mortality.

**Objectives:** To describe the presence of DD and related factors in patients admitted to a General Hospital that required assessment by a psychiatry service.