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#### EV1422

### Amy Winehouse Foundation young persons' substance use survey–pilot findings

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**Introduction** Government-funded research indicates the prevalence of substance use in this age group is decreasing. However, anecdotal evidence suggests otherwise.

Previous surveys have been limited by:

- difficulty recruiting schools;
- the range of substances included;
- paper surveys.

**Objectives** To determine whether a secure online survey method improves substance use prevalence data collection in school age adolescents.

**Method** An online survey was created following literature review, and assessment of the reliability and validity of existing surveys. A comprehensive range of substances were included. A total of 750 students (11–16 yrs) from a mainstream school in Lancashire completed the survey during a supervised classroom session. Focus groups were conducted with students and teachers.

**Results** No technical problems were encountered and survey data was securely transferred to Excel allowing instant analysis.

Teachers felt the survey would be unproblematic to administer independently and found the inclusion of substances such as legal highs, and energy drinks, especially relevant.

Most students completed the survey within the session and reported a positive experience, although some difficulties understanding wording were mentioned. They felt an online survey improved confidentiality (and therefore honesty) and was easier to fill in. However, there was concern about teachers reading their responses.

**Conclusions** A secure online survey may be acceptable to both teachers and students, and enables the collection of hundreds of surveys in a short time period. It also improves analysis techniques. Further analysis of whether there is a teacher-versus-researcher supervision effect on the honesty of student responses is required.

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#### EV1423

### Population characteristics of methamphetamine shabu users

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**Introduction** Shabu is a crystal methamphetamine whose consumption is common among the community of Philippine immigrants in Spain.

**Objectives** To describe the sociodemographic, healthcare and clinical characteristics of patients using shabu who have been treated by the psychiatry and addiction department of a tertiary hospital.

**Methods** We describe the cases of patients treated in the psychiatry and addiction department of the hospital del Mar in Barcelona, Spain with methamphetamine use disorder. We collected sociodemographic variables, monitoring features and psychiatric comorbidity from the review of medical records.

**Results** Ten cases of patients with severe use disorder of shabu were identified. Eight patients are from the Philippines. Nine are men (90%). At the beginning of the medical follow-up the average age was 30 years (21–41 years). All of them reported being unemployed. Four patients were referred urgently to the hospital from an ambulatory care center, two belonged to a specific program for children and adolescents, two were treated at the emergency department and two were assessed during their admissions in other departments. Regarding clinical characteristics, six had associated psychiatric disorders: two have paranoid schizophrenia, two had induced psychotic episode, one had unspecified psychosis and other had conduct disorder.

**Conclusions** Shabu is a drug that the Philippine community in Spain consumes in their daily life in a social context. However, consumption of this drug could be linked to the onset of psychotic symptoms. Registration is necessary to standardize the consumption pattern in order to establish a relationship between consumption and the appearance of psychotic and organic symptoms.

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#### EV1424

### Elevated neutrophil lymphocyte ratio in patients with substance use disorders

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**Introduction** Disturbances in inflammatory processes may play a role in the pathophysiology of psychiatric disorders. The neutrophil lymphocyte ratio (NLR) and C-reactive protein (CRP) are indicators of the systemic inflammatory response.

**Objectives** The current study was prepared based on the assumption that dysregulated immune function and elevated inflammation markers may be seen in substance use disorders.

**Aims** Our aim was to investigate whether NLR and CRP are higher in patients diagnosed with substance use disorders than in healthy subjects.

**Methods** The participants in the study included 115 male inpatients diagnosed with alcohol ( $n=41$ ), heroin ( $n=46$ ), or synthetic cannabinoid ( $n=28$ ) dependence according to the Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition (DSM-IV-TR), and 32 healthy male volunteers. We used NLR and CRP as measures of systemic inflammation. Blood samples were taken on the next morning of admission for detoxification. Addiction severity was assessed using the Addiction Profile Index (API).

**Results** The difference between the groups with respect to NLR was statistically significant ( $P=0.014$ ). Patients diagnosed with alcohol, heroin or synthetic cannabinoid dependence had similar NLR. Patients with alcohol or synthetic cannabinoid dependence had significantly higher NLR than healthy controls ( $P=0.001$  and  $P=0.029$ , respectively). Patients with heroin dependence trended towards statistically significantly higher NLR compared to healthy controls ( $P=0.067$ ). CRP levels did not differ significantly between