

## **Abstract:**

*Backgrounds:* Former Czechoslovakia was known for the studies of hallucinogens and their use in cure in psychiatric care. In the last couple of years LSD and other hallucinogens have been coming to renaissance again. Nowadays researchers are returning to these theories and they are trying to follow these studies. In the Czech Republic according to studies conducted in 2002, 2004 and 2008, there was an increase in the use of all drugs in general population. For example there was an increase of 2.5 times more of use between 2002 and 2008 (from 2.2% to 5.6%). The same increase showed the use of hallucinogen mushrooms that were monitored only in 2004 and 2008.

*Objectives:* The main point of the whole research was to map aspects and patterns of the use of magic mushrooms and LSD and monitor the outcome on these patients, also monitor their physical and psychiatric problems. The study monitors how each person deals with their use and solutions that can be used in prevention with patients especially among growing population are tried to be found.

*Methods and research group:* The research was conducted in polystructured form of an interview with 34 patients in hospital in Dobruška (34 men and 3 women) who had had at least one piece of experience with the use of magic mushrooms or LSD and were willing for the interview. All these were selected based on a „snowball“ effect and were recommended by their psychologists and doctors. The first part of the interview was based on sociodemographics ( gender, age, place of birth, last employment one year prior to the treatment), and the other part was based on patterns and particularities of the use of magic mushrooms and LSD.

*Results:* Patients who had ever used magic mushrooms and/or LSD had also experience with the use of other psychotic substance. The most frequent reason of the first try of both hallucinogens was reported to be an experiment or a curiosity to try. Most patients were using these with friends and mostly outdoors. The most common dosage was 15 to 20 pieces of magic mushrooms consumed usually raw. Experiences were different from case to case from positive to negative hallucinations. The combination of both hallucinogens with another substance (alcohol, marijuana, pervitin etc.) was also reported. What came out of this research is the risk of the use of hallucinogens such as fatal incidents including jumping out of a window, self hanging or fatal car accidents under the influence of LSD.

*Conclusions:* The whole study shows a detailed view of patterns and aspects of usage of magic mushrooms and LSD among patients of hospital in Dobruška. It also points out risks of the use of these hallucinogens. It is also important to emphasize that these patients report the use of hallucinogens lightly. This study can be widely used in prevention for other patients and could be very helpful for staff of all hospitals working with these patients.

**Key words:** magic mushrooms, LSD, hallucinogens, usage, experiences