INTRODUCTION

The epidemic of substance abuse is emerging as a global health challenge with 35 million people estimated to suffer from drug use disorders according to the latest World Drug Report (UNODC 2019). Assuming no change in the global prevalence of drug use, the number of people who use drugs will rise by an estimated 11% - 299 million by 2030.[1] In India, few substances like Cannabis and alcohol have been used since centuries in view of their religious and cultural acceptance. While alcohol and tobacco are widely prevalent substances in India, illicit substances especially opioids including heroin are emerging as a new challenge for policy makers.[2] Substance use can have negative consequences on the economy, productivity, and social well-being of communities. Due to the multiplicity of factors associated with substance abuse and their inter-relatedness, substance use is a complex problem.[3] While the menace of substance abuse is on rise throughout the nation, certain factors like its geographical location, ongoing conflict and socio-cultural factors has worsened the drug scenario in Kashmir and opiates like heroin have become a serious public health issue.[4] In recent nationwide study conducted by Ministry of Social Justice and Empowerment, Government of India, prevalence of current use of any opioid was 2.06% and heroin being the most commonly used opioid.[5] Although there have been few studies conducted to estimate the prevalence of substance use in Kashmir, most of them studied populations either from Srinagar district or South Kashmir.[6] As the data from North Kashmir is lacking, therefore we planned to conduct this study to determine the pattern of substance use among treatment seeking individuals from North Kashmir.

MATERIALS AND METHODS

This was a cross sectional descriptive type of study done at the Government Medical College Baramulla after getting the approval from the Institutional Ethical Committee. All the patients registered at the...
Addiction Treatment Facility (ATF) in the Department of Psychiatry were considered for the study. The study period was from May 2022 till November 2022. A written informed consent was taken from each patient. Only those patients who gave consent were included in the study. Minors (age less than 18 years) and those with severe mental illness which hampered their participation in the study were excluded from the study. Thus out of a total of 798 patients registered in the ATF during the study period, only 726 were finally included in the study. A semi structured pro-forma for collecting the data was formed. Seroprevalence of HIV, Hepatitis B and C was done using rapid card test. The data thus collected was tabulated and the variables were presented as frequency and mean.

### RESULTS

The mean age of the study population was 27.63 years (SD=6.89). Majority of the patients (60.6%) were in the age group of 21-30 years. Out of the total 726 participants 723 (99.58%) were males while as only 3 (0.004%) were females. Majority of the patients were from the Baramulla district (N=560, 77%). [Table 1] The most common substance used was Opioids (98.34%) followed by nicotine (94.5%). The most common route of using opioids was Intravenous heroine (86.7%) followed by chasing (11.2%). 55.23% of the participants were Hepatitis C positive whereas only 2 were Hepatitis B positive. None was HIV positive. [Table 2]

### DISCUSSION

The mean age of the study population was 27 years with the majority in the age group of 21-30 years. The risk of substance use is highest among the young people due to curiosity, peer pressure, experimentation. Many previous studies in the region also concluded that the substance use was most prevalent in the younger age group.[7-9] Most of the patients visiting the clinic were males (99.58%). It is a well-known fact that worldwide the prevalence of substance use is common among males than females and many epidemiological studies on the pattern of substance use in the country have got similar results.[10] Most of the participants were from the Baramulla district (77%). This might be because the ATF clinic is situated in the same district and the people from different districts are registered at their respective ATF clinics within their own districts. Since Kupwara district doesn’t have an ATF clinic, most of the patients from Kupwara visited our ATF clinic.

The most common substance used was opioids (85%) followed by nicotine (94.5%) and cannabis (56%). This is because the ATF clinic provides opioid substitution therapy (in form of buprenorphine) for people with opioid use disorders, since this is a controlled medicine and is not available in the market, as such a number of such patients in the community register themselves at the clinic for treatment. Furthermore, in a study conducted in two districts of Kashmir in 2020, the overall prevalence of substance dependence was 1.95% out of which 92.3% were using opioids.[6]
Among the opioids, majority used intravenous heroin (86.7%) followed by chasing (11.2%). The prevalence of IV opioid users is increasing day by day. In the nationwide survey conducted by NDDTC AIIMS New Delhi, almost half (46%) of persons with injecting drug use report injecting heroin predominantly, while the same proportion (46%) report using injectable pharmaceutical opioids.[11] Similarly, in the study by Rather et al, Current prevalence of injection drug use was 0.95% and heroin was the most common opioid among Injection Drug User (IDU), being used by 91.12% IDUs followed by Pentazocine (5.92%).[6]

The prevalence of Hepatitis C was 55%. This is because of high prevalence of injecting drug use among our study population. IDU often is a risk factor of sharing contaminated needles which increases the chances of HIV and Hepatitis among the users. Our results are similar to the other studies done to determine seroprevalence of HIV and hepatitis among IDU’s.[12] However, in our study the prevalence of HIV was zero while as Hepatitis B was only 0.27%. This is because the community prevalence of HIV in Kashmir is very low while as most of the people are vaccinated for Hepatitis B in their childhood.[13]

**CONCLUSION**

There was a high prevalence of opioid use especially among treatment seeking young males. Injecting drug use was the most common route used which also lead to a high prevalence of Hepatitis C among the study population.

**Limitations**

This was a hospital based study which may not be true representation of the substance use scenario in the community. The data collected was solely on the basis of history given by the patients and we did not do any investigations to check for the substance used. Seroprevalence of HIV, Hepatitis B and C was done using rapid card test which may not be a sensitive method.

**REFERENCES**