**Prospective data on People who use drugs in Switzerland: the SAMMSU cohort**

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**Background:** The aim of the Swiss Association for the Medical Management in Substance Users (SAMMSU) is to improve medical management of People who use drugs (PWUD) in Switzerland. In 2013, a nationwide prospective cohort study of PWUD in Switzerland was established, with 9 participating centres (Aarau, Basel, Bern, Biel-Bienne, Geneve, Lausanne, St. Gallen, Zürich, Ticino).

**Methods:** The SAMMSU cohort is an ongoing, prospective, open cohort of PWUD. Data collection started in late 2014. Inclusion criteria are: to be or have been on opioid substitution and to be at least 18 years old. Data are collected annually with a wide list of key parameters including demographical and socio-economical variables, drug and alcohol use, psychiatric and somatic comorbidities and therapies. Special attention is given to HCV management and treatment.

**Results:** As of April 2016, 325 subjects were enrolled in the cohort. Mean age was 43 years, 80% were males. Opioid substitution was in 59% methadone, 16% buprenorphine, 10% morphine, 6% heroin and 5% methadone+heroin. HCV-Ab prevalence (confirmatory testing) was 64% (204/318). HCV-RNA was tested in 166 HCV-Ab positive subjects (81%). Ninety-eight (59%) were HCV-RNA positive at most recent test. For 87 (89%) HCV genotype was available: 46% GT1, 2% GT2, 34% GT3, 17% GT4. Sixty-two subjects were HIV positive (19%), of whom 59 (97%) received HIV treatment and 31 (50%) were HIV/HCV coinfected with detectable HCV-RNA. Of 217 subjects with liver fibrosis assessment, 64% had stage F0/F1, 8% F2, 10% F3 and 18% F4. Of 56 HCV treatments, 38 (68%) resulted in a sustained virological response (SVR), while in 6 treatments (11%) adherence issues were reported.

**Conclusion:** The SAMMSU cohort is a developing prospective cohort of PWUD in Switzerland. It will allow a more accurate description of a large population (potentially 2900 subjects) with a special focus on disease progression over time.

*<More data and analysis will be possibly provided for the definite presentation, depending on format and time available>*

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