

HIGH EFFICACY OF DIRECT-ACTING ANTIVIRAL HCV TREATMENT AMONG PEOPLE WITH RECENT INJECTING DRUG USE: A REAL-LIFE EXPERIENCE

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Oslo kommune
Velferdsetaten

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BACKGROUND AND AIMS

HCV infection among people who inject drugs (PWID) in Norway

- 40 % chronically infected
- Restrictions on directly acting antivirals (DAAs) removed Feb 2018

The HCV Clinic

- Street clinic within the City of Oslo's harm reduction services
- Collaboration between the City of Oslo and Akershus University Hospital
- Provides testing, fibroscan and treatment

Aim

- Assess the efficacy of treating HCV-infection in PWID with DAAs

METHODS

HCV Clinic

- 2 nurses + 1 general practitioner + support from infectious diseases' specialist
- Extensive outreach work
- Individually tailored treatment plans
- Administration of HCV medication through linking to other services or self-administration when considered feasible

Inclusions

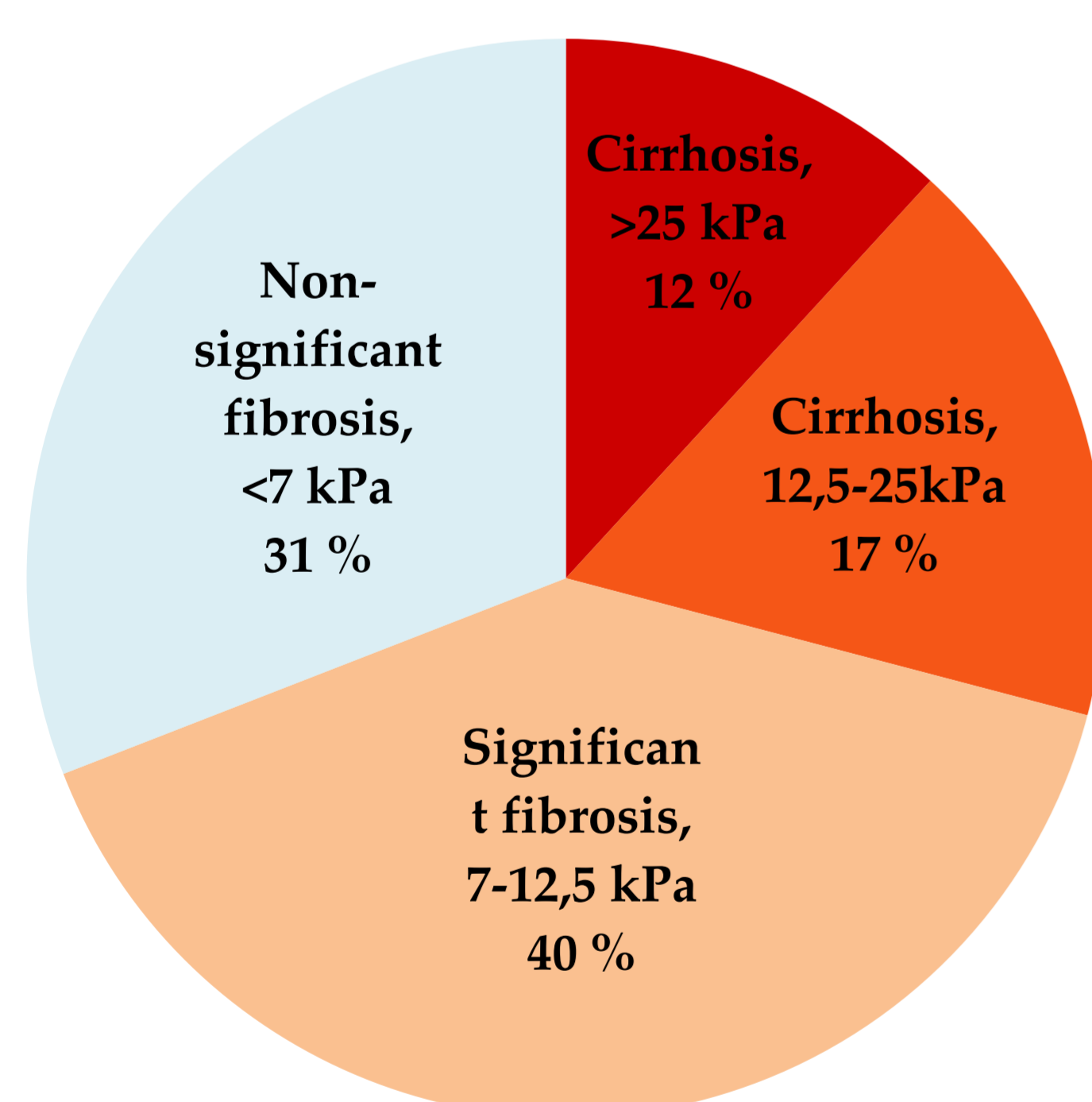
- Recent injecting drug use (prior 6 months)
- Received one dose of DAA-containing regimens
- Scheduled for SVR4-examination by Sept 2018



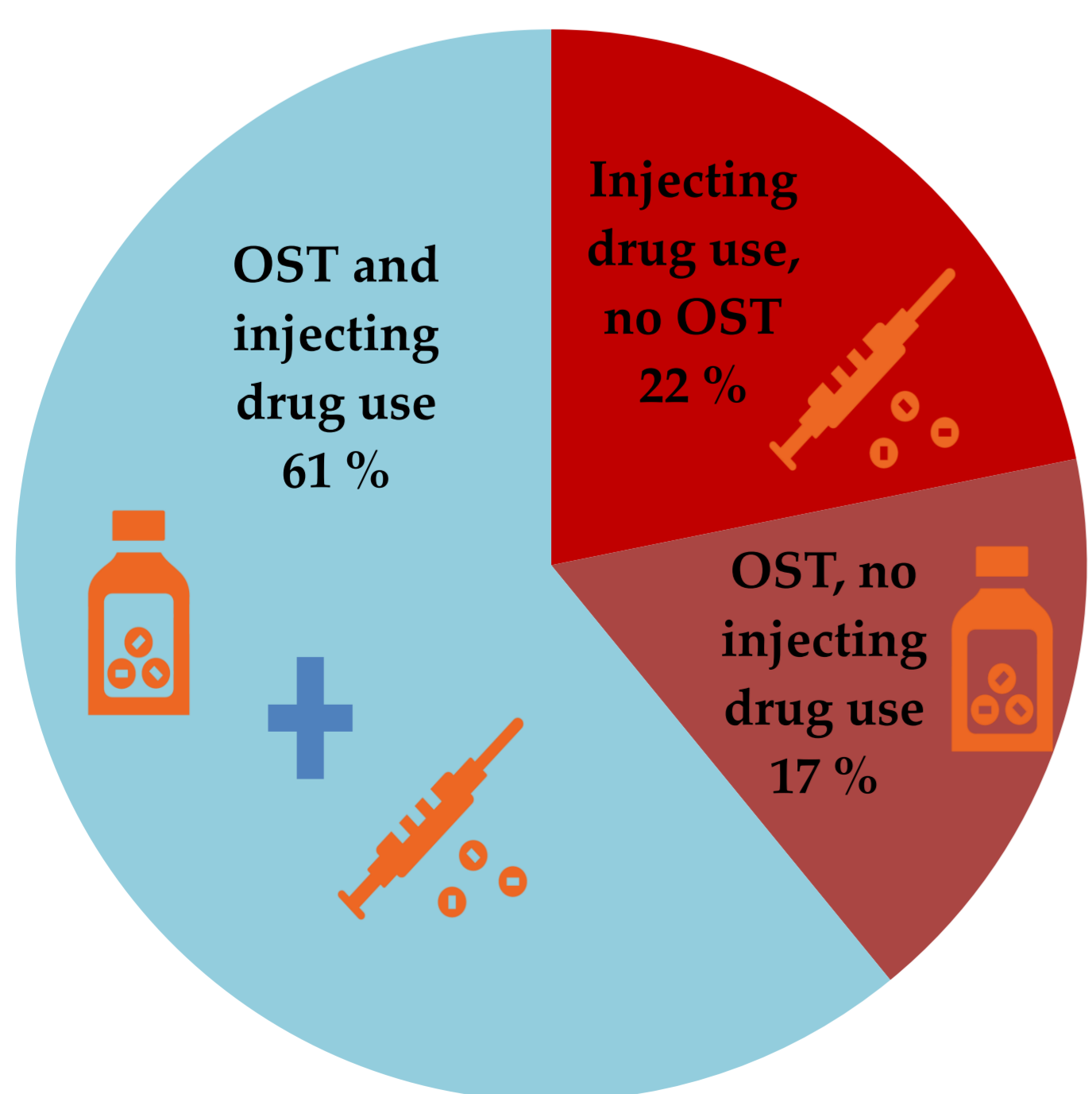
RESULTS

Study population

- 110 patients included (25 women, 85 men)
- Cirrhosis in 32 patients (29 %)
- Injecting drug use during treatment in 89 patients (81 %)



Liver stiffness measured by fibroscan



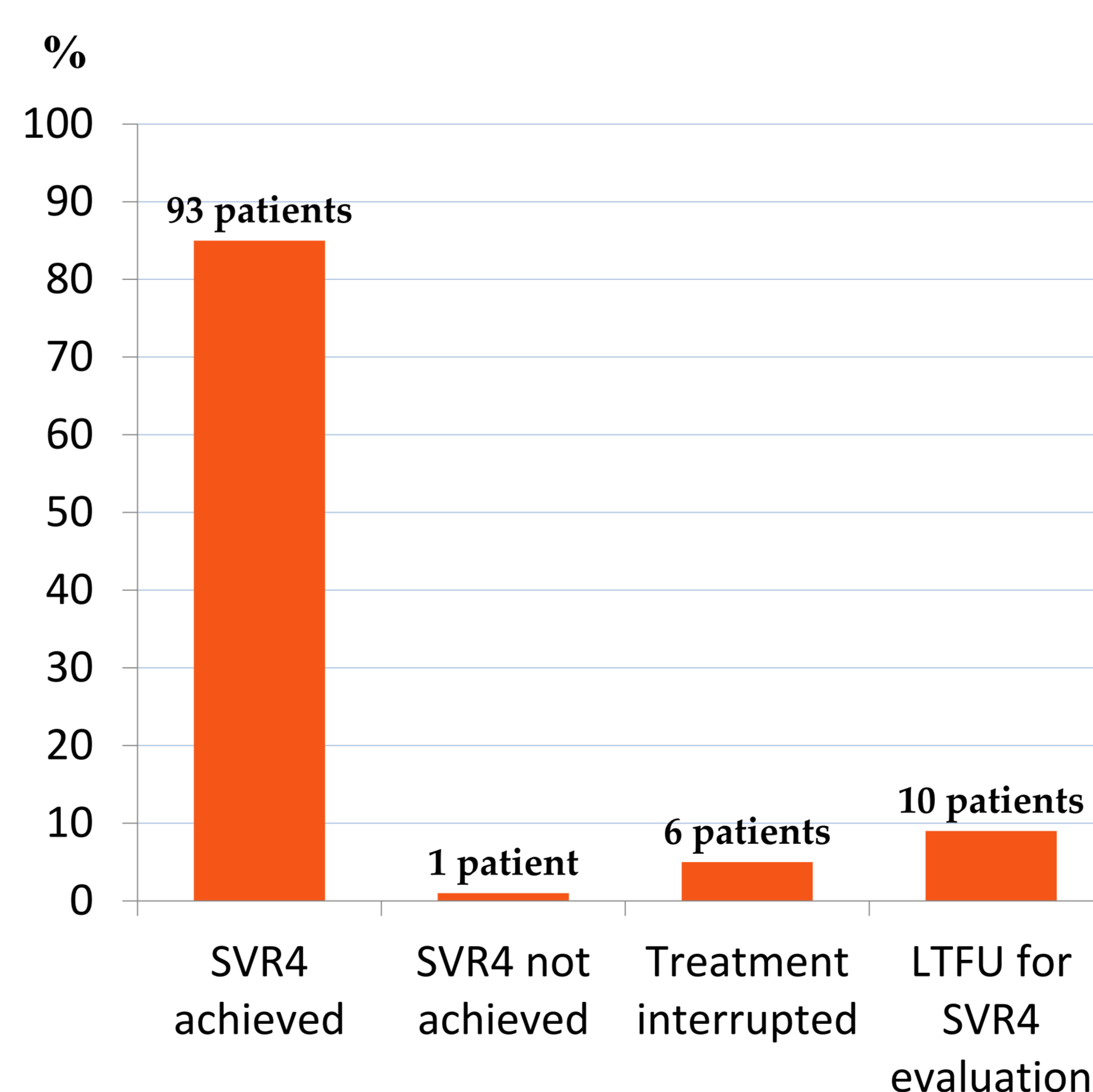
Substance abuse and substitution therapy during HCV treatment

Response to treatment

In intention to treat analysis:

- 85% achieved SVR
- 9 % were lost to follow up (LTFU)

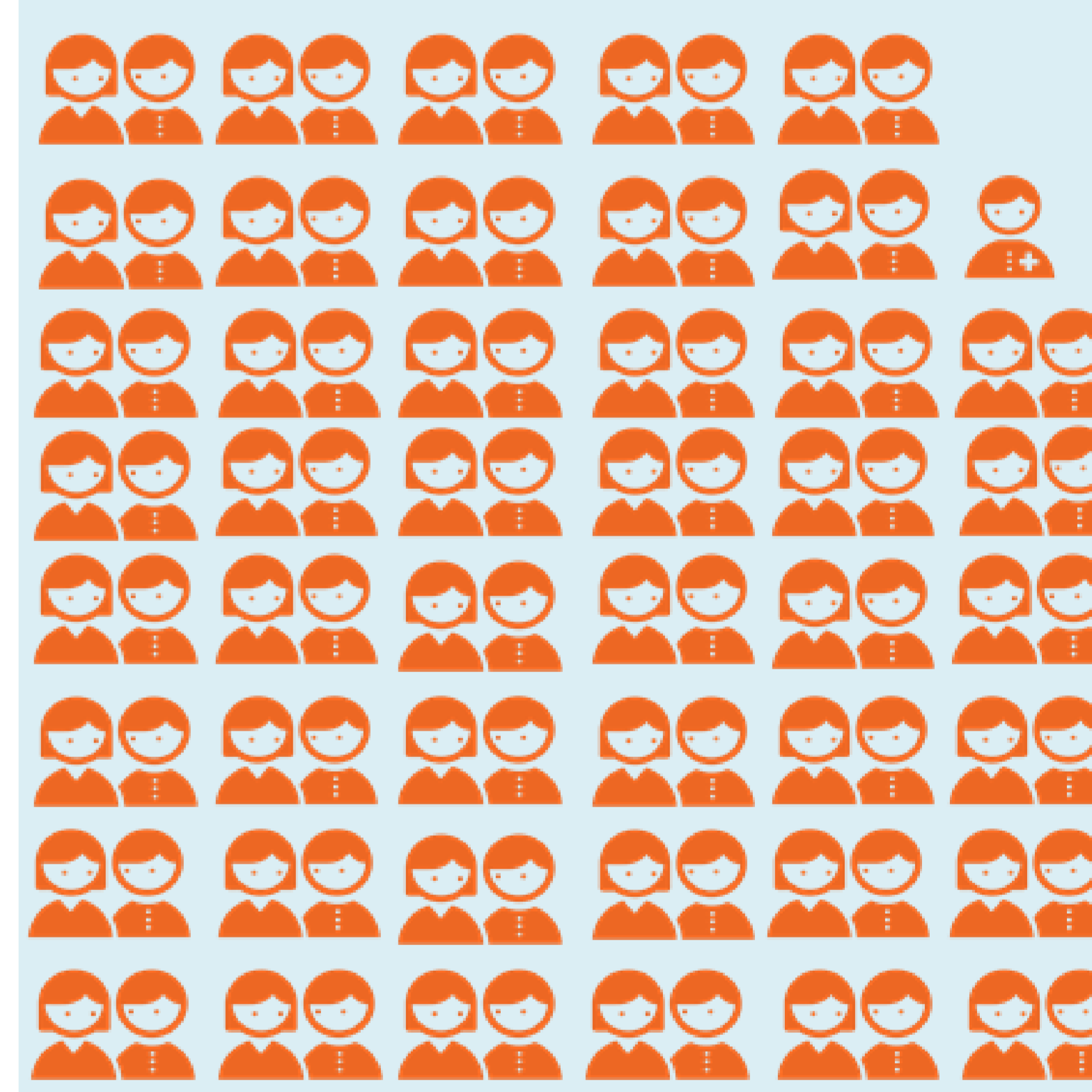
In observed analysis: 99% achieved SVR



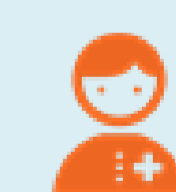
SVR4 results – Intention to treat

93 CURED OF HCV INFECTION

99%



1 VIROLOGIC FAILURE



1%

SVR4 results – Observed analysis

DISCUSSION

- 10 patients were lost to follow up for SVR-tests but all completed therapy and are assumed to have cleared the infection
- 5 interrupted treatment; 1 due to side effects, 4 due to mental and social instability

CONCLUSION

DAA treatment among people with recent and active injecting drug use is highly feasible and effective.