All admittances \((n=835)\)

Number of patients \((n=518)\)

Excluded \((n=383)\)
- Did not meet substance use criteria \((n=293)\)
- Patients with substance use not included \((n=90)\)
  - Too sick to participate \((n=25)\)
  - Did not want to participate \((n=26)\)
  - Short stay/procedure not fulfilled \((n=25)\)
  - Organic disorder \((n=9)\)
  - Did not speak Norwegian nor English /other reasons \((n=5)\)

Included and stratified \((n=135)\): Psychiatric disorder and substance use \((n=119)\)
Psychotic disorder and substance use \((n=9)\)
Psychiatric disorder and use of benzodiazepines not as prescribed from physician \((n=7)\)

Randomised \((n=135)\)

Allocated to intervention group (motivational interviewing and treatment as usual) \((n=67)\):
- Completed therapy in 2 sessions \((n=55)\)
- Completed therapy in 1 session \((n=11)\)
- Received only first session \((n=1)\)

Primary outcome analysed at 3 months \((n=53)\)
- No response \((n=12)\)
- Lost to follow up cumulative \((n=2)\):
  - Died \((n=1)\)
  - Did not want to answer questionnaire \((n=1)\)

Allocated to control group (treatment as usual) \((n=68)\)

Primary outcome analysed at 3 months \((n=46)\)
- No response \((n=18)\)
- Lost to follow up cumulative \((n=4)\):
  - Died \((n=0)\)
  - Did not want to answer questionnaire \((n=4)\)

Primary outcome analysed at 6 months \((n=45)\)
- No response \((n=19)\)
- Lost to follow up cumulative \((n=3)\):
  - Died \((n=1)\)
  - Did not want to answer questionnaire \((n=2)\)

Primary outcome analysed at 12 months \((n=49)\)
- No response \((n=12)\)
- Lost to follow up cumulative \((n=6)\):
  - Died \((n=2)\)
  - Did not want to answer questionnaire \((n=4)\)

Primary outcome analysed at 24 months \((n=39)\)
- No response \((n=19)\)
- Lost to follow up cumulative \((n=9)\):
  - Died \((n=2)\)
  - Did not want to answer questionnaire \((n=7)\)