

Multiproblem Young Adults: a study on service use trajectories, neurobiological mechanisms and treatment effect in young adults with severe criminal, psychiatric and social problems.

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Ethical review	Approved WMO
Status	Pending
Health condition type	Lifestyle issues
Study type	Observational non invasive

Summary

ID

NL-OMON44979

Source

ToetsingOnline

Brief title

Multiproblem young adults

Condition

- Lifestyle issues

Synonym

multiproblem, psychological dysfunctioning

Research involving

Human

Sponsors and support

Primary sponsor: Vrije Universiteit Medisch Centrum

Source(s) of monetary or material Support: Stichting de Verre Bergen; Rotterdam

Intervention

Keyword: antisocial, mutliproblem, treatment effect, young adults

Outcome measures

Primary outcome

Overall: risk profiles of multiproblem young adults; outcome measures:

Program-integrity, criminal recidivism, quality of life, self-sufficiency, psychological functioning

Study 1: service use trajectories: Judicial, (mental) health, social, educational and child welfare service trajectories.

Study 2: (neuro) biological measures: autonomic nervous system, functional MRI and electroencephalography (EEG) measures

Study 3: effectiveness intervention: self-sufficiency

Secondary outcome

Overall: socio-demographic factors, intelligence, medication and drug use, psychiatric disorders, psychopathic traits, reactive and proactive aggression, impulsivity, possible confounding variables

Study 1: residential history / neighborhood, parenting behavior, social networks

Study 2: behavioral data on emotional processing, moral decision-making and error processing

Study 3: effectiveness intervention: program-integrity, criminal recidivism, quality of life, psychological functioning, group climate, therapeutic

Study description

Background summary

Multiproblem young adults (between ages 18 and 27), characterized by severe psychosocial problems, comprise a societal challenge with high priority on the political agenda, both nationally and internationally. However, so far the characteristics of multiproblem young adults have rarely been studied in general, and have not been studied in an integrative research project combining biological, psychological and social factors. In addition, the effects of interventions for this group is largely unknown. Therefore, in-depth multidisciplinary research investigating the (neurobiological) characteristics, the service use trajectories, and the effects of intervention in this population is urgently warranted. When combining the knowledge gained in these studies, it will be possible to examine risk profiles of multiproblem young adults, based on (socio)demographic, psychosocial, (neuro)biological characteristics, and service use trajectories in order to explore who will and who will not benefit from an intervention. Such studies pave the way to develop more specific and cost effective interventions for this vulnerable group.

Study objective

With this integrative research project we will expand the knowledge on factors associated with problematic behavior in young adults. To elucidate why multiproblematic behavior in young adults exists in a persistent way we will explore the underlying socio-demographic, psychosocial and neurobiological/-cognitive mechanisms of their multiproblematic behavior and their histories of service use. Furthermore, we aim to study the effect of a multimodal day treatment program for young adults in a large urban city (Rotterdam, the Netherlands) and individual characteristics that are associated with treatment outcome.

Study design

In close collaboration with a municipal facility for adolescents and young adults (*Het Jongerenloket* (JOLO)), several addiction, forensic and rehabilitation programs in Rotterdam and "De Nieuwe Kans" (day treatment for multiproblem young adults), we aim to study a cohort of 700 multiproblem young adults for a period of three years, applying questionnaires, qualitative interviews, neuroimaging and psychophysiological measures. A randomized control trial design will be used for the effect study.

Study burden and risks

Not applicable

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

-Age 18-27 years

-Male

-Sufficient knowledge of the Dutch language to understand the study procedure and to fill out the questionnaires

-an SSM *multiproblematic* score<=

- a score of 1 or 2 on the domains Income and Daily activities

- a score of 1, 2, or 3 on the domains Justice or Addiction or Mental Health or Social Network
- a score of 3, 4, or 5 on the domain Physical Health

Exclusion criteria

- IQ-score below 70;Specific exclusion criteria for participants in the neurobiological study:
- Indication of severe psychopathology (i.e., acute psychosis, severe mood disorder, as assessed by a physician)
- Self-reported color blindness or (non-corrected) defective vision
- fMRI contra-indications

Study design

Design

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Treatment

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-01-2014
Enrollment:	700
Type:	Anticipated

Ethics review

Approved WMO	
Date:	01-05-2014
Application type:	First submission
Review commission:	METC Amsterdam UMC

Approved WMO	
Date:	13-08-2014
Application type:	Amendment
Review commission:	METC Amsterdam UMC
Approved WMO	
Date:	15-06-2016
Application type:	Amendment
Review commission:	METC Amsterdam UMC

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
CCMO	NL46906.029.13