



UNIVERSITY OF LEEDS

This is a repository copy of *Multisystemic therapy versus management as usual in the treatment of adolescent antisocial behaviour (START): A pragmatic, randomised controlled, superiority trial.*

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/126503/>

Version: Accepted Version

Article:

Fonagy, P, Butler, S, Cottrell, D orcid.org/0000-0001-8674-0955 et al. (12 more authors) (2018) Multisystemic therapy versus management as usual in the treatment of adolescent antisocial behaviour (START): A pragmatic, randomised controlled, superiority trial. *The Lancet Psychiatry*, 5 (2). pp. 119-133. ISSN 2215-0366

[https://doi.org/10.1016/S2215-0366\(18\)30001-4](https://doi.org/10.1016/S2215-0366(18)30001-4)

© 2018 Elsevier Ltd. Licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International
<http://creativecommons.org/licenses/by-nc-nd/4.0/>

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Table 1. Baseline characteristics

	MST		MAU	
	n or mean	SD or %	n	SD or %
Demographics				
Number	342		342	
Mean age (years)	13.7	1.4	13.9	1.4
Female	126	36.8	124	36.4
Mean SES (range 1–6)	3.0	1.4	2.9	1.3
Family income				
% on state benefits or <£20k pa	258	75.4	267	78.3
Ethnicity				
White British/European	261	76.5	274	80.4
Black African/Afro-Caribbean	38	11.1	33	9.7
Asian	6	1.8	10	2.9
Mixed/Other	34	10	17	5
Parents' marital status				
Single or widowed	142	41.5	131	38.4
Separated or divorced	77	22.5	59	17.3
Married or cohabiting	123	36	147	43.1
Number of siblings	2.5	1.3	2.5	1.4
Siblings offending	118	36.9	126	39.4
Offences in year prior to referral				
Non-offender on referral	124	36.5	111	32.7
Total number of offences	1.1	2.2	1.2	2.5
Violent offences	0.4	1	0.4	0.9
Non-violent offences	0.5	1.2	0.6	1.3
Number with custodial sentences	4	1.2	6	1.8
Comorbid diagnosis				
Conduct disorder	262	77.7	270	79.4
Oppositional defiant disorder	14	4.2	14	4.1
Any conduct disorder	274	81.3	280	82.4
Social phobia	12	3.6	9	2.6
Obsessive-compulsive disorder	1	0.3	2	0.6
Posttraumatic stress disorder	25	7.4	26	7.6
Separation anxiety disorder	7	2.1	15	4.4
Specific phobia	6	1.8	13	3.8
Generalised anxiety disorder	6	1.8	9	2.6
Panic disorder	5	1.5	3	0.9
ADHD Combined	113	33.5	91	26.8

ADHD Hyperactive–Impulsive	8	2.4	3	0.9
ADHD Inattentive	13	3.9	12	3.5
PDD/autism	3	0.9	4	1.2
Eating disorders	2	0.6	2	0.6
Tic disorder	7	2.1	4	1.2
Major depression	30	8.9	42	12.4
Any emotional disorder	73	21.7	90	26.5
Mixed anxiety/conduct disorder	46	13.6	56	16.5
Number without diagnosis	50	14.8	50	14.7
Average number of Axis I diagnoses	1.5	1	1.5	1.1
Onset of conduct disorder	148	43.3	149	43.7
ICUT score	33.5	9.7	32.7	9.6
Peer delinquency score (SRDM)	5.0	4.7	4.9	4.7

ADHD=attention deficit hyperactivity disorder. ICUT=Inventory of Callous and Unemotional Traits. MAU=management as usual. MST=Multisystemic Therapy. PDD=pervasive developmental disorder. SES=socioeconomic status. SRDM=Self-Report Delinquency Measure. We have not tested for baseline differences in line with custom and practice in large trials recommendations.⁴³