

Democratic therapeutic community treatment for personality disorder: randomised controlled trial

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Background

Democratic therapeutic community (DTC) treatment has been used for many years in an effort to help people with personality disorder. High-quality evidence from randomised controlled trials (RCTs) is absent.

Aims

To test whether DTC treatment reduces use of in-patient services and improves the mental health of people with personality disorder.

Method

An RCT of 70 people meeting DSM-IV criteria for personality disorder (trial registration: ISRCTN57363317). The intervention was DTC and the control condition was crisis planning plus treatment as usual (TAU). The primary outcome was days of in-patient psychiatric treatment. Secondary outcomes were social function, mental health status, self-harm and aggression, attendance at emergency departments and primary care, and satisfaction with care.

All outcomes were measured at 12 and 24 months after randomisation.

Results

Number of in-patient days at follow-up was low among all participants and there was no difference between groups. At 24 months, self- and other directed aggression and satisfaction with care were significantly improved in the DTC compared with the TAU group.

Conclusions

DTC is more effective than TAU in improving outcomes in personality disorder. Further studies are required to confirm this conclusion.

Declaration of interest

None.

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Personality disorders are common conditions¹ with high morbidity,² high unmet needs³ and high healthcare costs.⁴ People with personality disorders are at higher risk of other mental disorders, substance misuse and suicide.^{5,6} Concerns have been expressed about the quality of services for people with personality disorder,⁷ and the evidence base for the effectiveness of interventions is weak.^{8,9} Evidence for effective treatment of borderline personality disorder remains sparse. To date there is little evidence for the efficacy of psychopharmacological treatments.¹⁰ Among psychosocial treatments, dialectical behaviour therapy has demonstrated a beneficial effect in several randomised trials at more than one centre.¹¹ Mentalisation-based therapy has demonstrated beneficial effects when delivered as part of a day programme¹² or out-patient weekly individual and group psychotherapy.¹³ Novel approaches such as dialectical behaviour therapy and mentalisation-based therapy may be replacing more established approaches to the treatment of borderline personality disorder.

In the UK one of the most widespread interventions has been democratic therapeutic communities (DTC), which have provided specialist services for people with personality disorders for over 50 years.¹⁴ DTC is a form of psychosocial treatment based on a collaborative and deinstitutionalised approach to staff–patient interaction; particular emphasis is placed on empowerment, personal responsibility, shared decision-making and participation in communal activity.¹⁵ Much background work has been completed that paves the way for an experimental evaluation of DTC: the mechanism of action of the intervention has been extensively studied^{16,17} and observational evidence for possible benefits of the intervention have been established.^{18–20} Although the limitations of such studies are widely acknowledged, high-quality randomised controlled trials (RCTs) have not been conducted. A systematic review concluded that such studies were

now required,²¹ a conclusion in keeping with recommendations for the evaluation of complex interventions.²² We report here the results of the first RCT of DTC treatment for people with personality disorder, the Therapeutic Community Intervention Trial (TaCIT, trial registration: ISRCTN57363317).

Method

Trial design

Participants were recruited from referrals to an established personality disorder service. The study was approved by the local National Health Service ethics committee in Oxford, ethics number 08/H0605/87. Informed consent was obtained from all participants. The study protocol and consent forms were discussed in all four therapeutic communities in which participants were to be treated in order to obtain consent from the communities for potential study participants to participate in their therapy. This was done because of the uniquely consent-based nature of the DTC intervention, in which any changes to treatment or the running of the community is discussed with the members. The three trial assessors (G.A., S.P., L.S.) were all clinicians experienced in working with personality disorder, and trained in the use of the Structured Clinical Interview for Axis II disorder (SCID-II),²³ which was used to establish personality disorders diagnosis. Comorbid mental illness was assessed independently from a review of medical records. After consent was obtained and personality disorders status confirmed, baseline measures were collected by the assessor. Participants were then seen between 2 and 4 weeks later and their randomisation status communicated to them. Those randomised to DTC were immediately put on the waiting list for the preparatory DTC groups, and those randomised to TAU received their first session of crisis planning.

Joint crisis planning was chosen as the TAU condition as it is valued by patients, but may have little impact on patient outcomes.²⁴

Recruitment and randomisation

Participation in the trial was offered to all patients referred to the Oxfordshire Complex Needs Service who were allocated to one of the trial assessors and met inclusion criteria. Inclusion criteria were: resident in the catchment area of the personality disorder service; aged between 16 and 65; and having a diagnosis of personality disorder, assessed using the SCID-II.²³ Exclusion criteria mirrored those commonly used in clinical practice when offering DTC treatment: (a) a primary diagnosis of a psychotic disorder, alcohol or drug dependence (those with a history of transient psychotic symptoms and non-dependent substance misuse were included); (b) a degree of learning disability, or intellectual impairment, that prevents engagement in DTC services. Independent remote randomisation was conducted at the Centre for Mental Health, Imperial College London. We used a computer-generated random scheme to allocate participants to DTC and TAU in a ratio of 1:1. We used stratification to balance potential confounding variables (age – above or below 30, gender and baseline service utilisation – previous history of admission to a mental health unit or presentation to an emergency department in crisis) across study groups. The local DTC and community mental health team were then informed of the patient's randomisation status.

Interventions

DTC treatment

Participants randomised to DTC entered the normal treatment process for patients entering DTC treatment in the Oxfordshire Complex Needs Service. This consists initially of attendance at a DTC preparatory group meeting weekly for 2 h per week, for up to a year. The DTC preparatory group incorporates the core elements of DTC practice described below in a brief format. After a minimum of 3 months' attendance at this group, participants are able to join the DTC via a democratic selection process in which current members and staff vote. Four DTCs hosted participants in the study, based around Oxfordshire. DTCs ranged in size from 14 to 18 members. Participants received DTC therapy for a maximum of 18 months. DTC treatment consisted of between 5 and 15 h per week of mixed structured and unstructured group therapy adhering to the following DTC principles.

- (a) Democratisation: shared decision-making around group matters, when necessary involving transparent voting procedures. Staff retain responsibility for maintaining safe and effective treatment. Members chair and record meetings, and make decisions that have substantive effects on the way the community runs. This has the effect of promoting responsible agency.¹⁷
- (b) Permissiveness: a wide range of behaviour is tolerated, as long as it does not harm another member or impede another member's treatment. Behaviour is understood and discussed rather than condemned or forbidden. The principle of responsibility without blame²⁵ is used to inform this process.
- (c) Reality confrontation: members and staff challenge one another around behaviour and attitudes, and feedback to one another about their impact. This is done in a compassionate rather than judgemental manner.
- (d) Communalism: there is an element of shared living in DTC. Staff and members eat together, undertake tasks together

and share leisure activities as far as is allowed by the programme. During such informal group activity staff and members practice authenticity with one another. Situations that arise in the shared life of the community (the milieu) are used by staff and members to inform the process in the formal groups, a process known as the 'living learning experience'. These four principles were noted by Rapoport in 1960 at Belmont Hospital.²⁶

- (e) A culture of enquiry.²⁷ All events in the DTC are available for consideration by the members and staff, and a questioning attitude is encouraged.
- (f) Milieu approach/a therapeutic environment.²⁸ In addition to informal interactions informing group process, the entirety of the community atmosphere and activity, including the involvement of members in administrative tasks, is held to be therapeutic.

The DTCs taking part in this study were members of the Association of Therapeutic Communities. The service is accredited by the Royal College of Psychiatrists Centre for Quality Improvement.¹⁶

Treatment as usual

Participants randomised to TAU were offered three sessions of joint crisis planning by the clinician who assessed them. This consisted of the collaborative construction of a crisis plan identifying triggers for deterioration in mental state, and practical steps that can be taken to get support or to maintain stability. Other elements of TAU varied depending on patient needs and local service organisation but included out-patient monitoring, consideration of psychotropic medication, and the option of referral to out-patient psychotherapy treatment and in-patient psychiatric treatment at times of crisis. These elements were delivered by local primary care services or community mental health teams.

Baseline and outcome measures

Eligibility was assessed by examining case notes for clinical diagnosis and completion of the SCID-II,²³ the Fast Alcohol Screening Test,²⁹ and Drug Abuse Screening Test.³⁰ For those who met inclusion criteria, data collection on baseline measures was completed prior to randomisation, using an examination of paper and electronic medical records to quantify use of in-patient psychiatric services (primary outcome) and contacts with emergency medical services in the previous 6 months, and patient interview using:

- (a) the 12-item General Health Questionnaire – a measure of general mental health;³¹
- (b) the Social Functioning Questionnaire – an eight-item validated measure of social functioning that is sensitive to change;³²
- (c) extent of any self-harm or aggressive behaviour towards others during the preceding 4 weeks using the Modified Overt Aggression Scale;³³
- (d) satisfaction with care using the eight-item Client Satisfaction Questionnaire;³⁴
- (e) frequency of suicidal acts and acts of self-harm collected via a self-report questionnaire developed specifically for the study;
- (f) utilisation data on visits to primary care and emergency departments were collected via a self-report questionnaire developed specifically for the study.

Follow-up interviews were conducted 12 and 24 months after randomisation using the measures (a) to (f) listed above combined with an examination of hospital records to obtain information on psychiatric admissions. Rater masking was maintained by specific instructions to participants and clinical teams not to disclose treatment details. Patient data were held securely and all personal identifiers removed, with randomisation details held separately and password protected. Patients completing follow-up interviews were offered a £25 honorarium in recognition of any inconvenience caused to them by participation in the study. Researchers were asked to state if they believed they had become aware of a participant's allocation status in order to monitor the extent to which rater masking was maintained.

Data analysis

The sample size estimate was based on our primary outcome. A previous observational study found that patients treated in DTCs have a mean number of 45 days (s.d.=71) of in-patient psychiatric treatment in the year prior to referral and 12 days (s.d.=22) in the year following referral.¹⁹ A sample of 76 patients (38 DTC and 38 TAU) would be required to have 80% power and 5% level of statistical significance to demonstrate a reduction in the mean number of in-patient days of this magnitude. As information on use of in-patient psychiatric services was to be extracted from hospital records we estimated that loss to follow-up would be low (10%) and therefore aimed to randomise 85 people into the trial. We conducted a complete-case analysis according to the treatment to which participants were randomised (intention-to-treat). We used descriptive statistics to examine baseline characteristics of study participants. For continuous variables we present the number of observations (n), with either the mean and standard deviation,

for normally distributed variables, or the median and interquartile range (IQR) for non-normally distributed variables. For categorical variables we used counts and percentages. We then calculated differences in outcomes between baseline and 12 and 24 months using appropriate univariate statistics. Finally, we examined differences in outcomes between those randomised to DTC and TAU adjusted for baseline level, age and gender using binary logistic regression for categorical variables and linear regression for normally distributed continuous variables.

Results

Study recruitment commenced in February 2009. Between February 2009 and November 2012, 121 people were assessed for participation in the study. Of these 70 (57.9%) were eligible and were randomised. Reasons for non-participation were: unwilling to provide consent ($n=34$, 27.0%); no personality disorder ($n=15$, 12.4%); and comorbid dependence on alcohol or drugs ($n=5$, 4.1%). One person was excluded because they had a primary diagnosis of psychosis (see flow diagram – Fig. 1). Age, gender and ethnicity of those who did and did not take part in the study are presented in Table 1. Of the 70 people who took part in the study, equal numbers ($n=35$) were allocated to each arm of the trial. Sociodemographic and clinical characteristics of participants by study group are presented in Table 2.

Flow of participants through the trial

The CONSORT diagram (Fig. 1) summarises the flow of participants through the trial. Routine data on attendance at emergency medical services and admission to hospital were obtained for all 70 participants. Data on secondary outcomes from interviews with participants were obtained from 45 (64.3%)

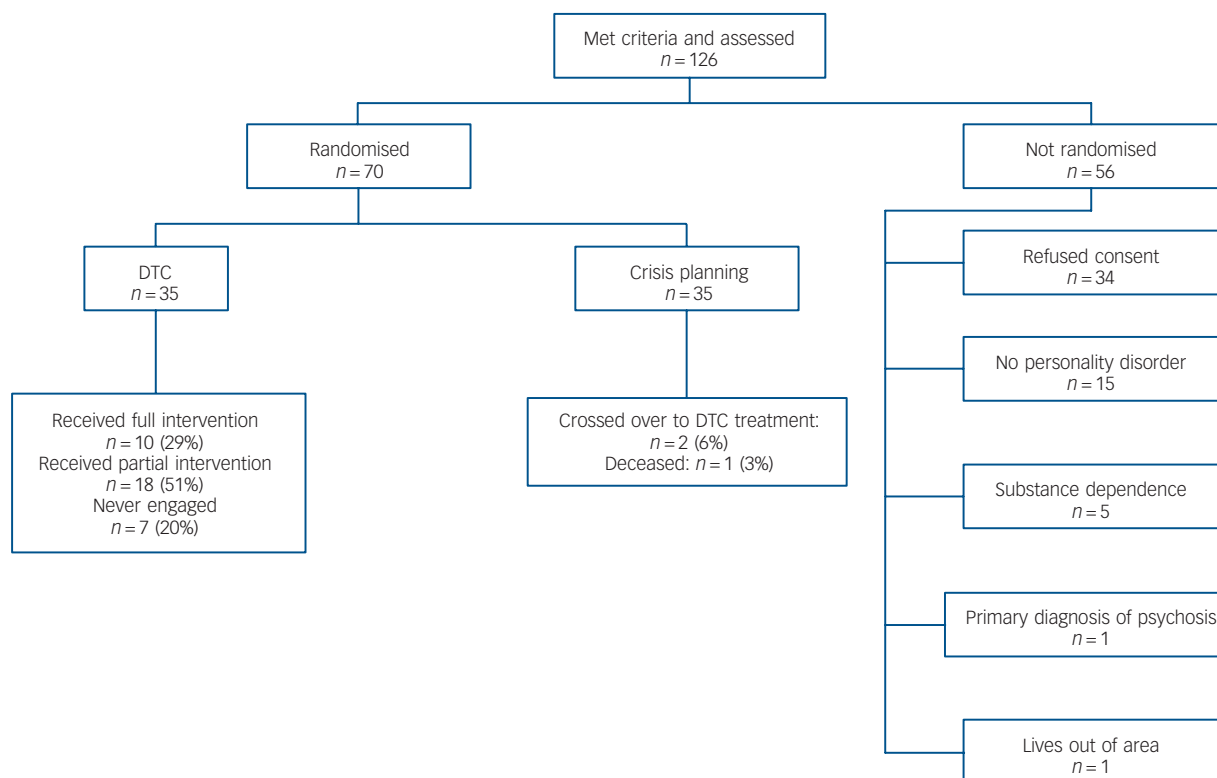


Fig. 1 Study flow chart at 2-year follow-up.

DTC, democratic therapeutic community.

Variable	Participants (n = 70)	Non-participants (n = 51)	Total (n = 121)
Gender, n (%)			
Women	55 (78.6)	33 (64.7)	88 (72.7)
Men	15 (21.4)	18 (35.3)	33 (27.3)
Age, mean (IQR)	34.03 (10.54)	31.37 (9.54)	32.91 (10.17)
Ethnicity, n (%)			
White British	69 (98.6)	45 (88.2)	114 (94.2)
White other	1 (1.4)	3 (5.9)	4 (3.3)
Black and minority ethnic	–	3 (5.9)	3 (2.5)

Variable	Control (n = 35)	Intervention (n = 35)	Total (n = 70)	Total, n
Gender, n (%)				70
Women	8 (22.9)	7 (20.0)	15 (21.4)	
Men	27 (77.1)	28 (80.0)	55 (78.6)	
Age, mean (s.d.)	33.4 (11.2)	34.6 (10.0)	34.0 (10.5)	70
Ethnicity, n (%)				70
White British	35 (100.0)	34 (97.1)	69 (98.6)	
White other	0 (0.0)	1 (2.9)	1 (1.4)	
Number of personality disorder diagnoses, median (IQR)	2 (1–3)	3 (2–4)	3 (2–4)	70
Type of personality disorder, n (%)				70
Avoidant	21 (60.0)	26 (74.3)	47 (67.1)	
Dependent	6 (17.1)	8 (22.9)	14 (20.0)	
Obsessive–compulsive	2 (5.7)	9 (25.7)	11 (15.7)	
Paranoid	9 (25.7)	16 (45.7)	25 (35.7)	
Schizotypal	0 (–)	1 (2.9)	1 (1.4)	
Schizoid	0 (–)	0 (–)	0 (–)	
Histrionic	5 (14.3)	2 (5.7)	7 (10.0)	
Narcissistic	7 (20.0)	5 (14.3)	12 (17.1)	
Borderline	32 (91.4)	33 (94.3)	65 (92.9)	
Antisocial	2 (5.7)	5 (14.3)	7 (10.0)	
Axis I diagnoses				70
Major depressive disorder	16 (45.7)	17 (48.6)	33 (47.1)	
Any affective disorder	18 (51.4)	19 (54.3)	37 (52.9)	
Any anxiety disorder	4 (11.4)	5 (14.3)	9 (12.9)	
Primary outcome: days of in-patient treatment, median (IQR)	0 (0–1)	0 (0–1)	0 (0–1)	70
Secondary outcomes				
Any in-patient admission, n (%)	9 (25.7)	9 (25.7)	18 (25.7)	70
Number of attendances at emergency departments, median (IQR)	1 (0–2)	1 (0–2)	1 (0–2)	70
Any attendance at emergency departments, n (%)	20 (57.1)	19 (54.3)	39 (55.7)	70
Number of general practice attendances, median (IQR)	15 (7.5–20)	10 (5–20)	12 (6–20)	65
Social Functioning, mean (s.d.)	17.4 (4.1)	17.2 (4.5)	17.3 (4.3)	66
General Health Questionnaire, mean (s.d.)	8.8 (3.6)	9.3 (3.2)	9.1 (3.4)	68
Total Modified Overt Aggression Scale score, median (IQR)	3 (0–5)	3 (1–5)	3 (1–5)	63
Acts of self-harm, any (%)	21 (65.6)	21 (67.7)	42 (66.7)	63
Number of acts, median (IQR)	2 (0–10)	3 (0–20)	2 (0–11)	63
Client satisfaction, mean (s.d.)	21.5 (5.9)	21.1 (5.9)	21.3 (5.9)	63

participants at 12 months and 38 (54.3%) at 24 months. Of the 32 (45.7%) participants who were not followed up at 2 years, 1 died, 5 formally withdrew from the study and the other 26 either could not be traced or did not take up repeated offers to be assessed through letters and phone calls. Two participants asked to cross over from the TAU arm of the study to the DTC arm, one of whom also formally withdrew.

Uptake of allocated treatments

In total, 35 participants were allocated to the DTC intervention, of whom 28 (80%) attended at least one preparatory DTC group. Of those who attended a preparatory group the mean attendance was 46 weeks (range 2 to 75) and 21 (60%) were still attending the programme at 12 months. Ten (29%) of those in the active arm of the trial also attended sessions on the DTC programme. Mean

length of attendance was 47 weeks and all were still attending the programme when 12-month follow-up data were collected.

Main and secondary outcomes

Primary and secondary outcomes at 12- and 24-month follow-up are presented in Tables 3 and 4, respectively. Although small numbers in both arms of the trial presented to emergency medical services and were admitted to hospital, none of these was judged to be a serious adverse reaction related to study treatment. In both arms of the trial the median number of in-patient days was nil. Researchers reported five occasions when they became aware of a participants' allocation status at 12-month follow-up, and three occasions at 24-month follow-up. Although fewer people in the active intervention arm had an admission to hospital 12 months after randomisation, the difference was not statistically significant (difference 11.4%, 95% CI –10.1 to 31.6%). DTC showed

Table 3 Analyses of outcome scores: summary statistics for baseline and 12-month data (N=45), analyses of changes from baseline within each treatment group and comparisons of changes from baseline between treatment groups^a

Measures	Treatment as usual			Democratic therapeutic community treatment		
	Summary Statistics		Difference ^{a,b} (P)	Summary Statistics		Difference ^{a,b} (P)
	Baseline	12 months		Baseline	12 months	
Number of days of in-patient treatment, median (IQR)	0 (0-1)	0 (0-1)	0 (0.77)	0 (0-1)	0 (0-1)	0 (0.22)
Any in-patient treatment, n (%)	9 (25.7)	13 (37.1)	11.4 (0.303)	9 (25.7)	9 (25.7)	0 (1.0)
Any emergency department attendance, n (%)	20 (57.1)	8 (66.7)	9.6 (0.562)	19 (54.3)	2 (18.2)	-36.1 (0.036)
Number of attendances at emergency departments, median (IQR)	1 (0-2)	0 (0-0.5)	-1.0 (0.30)	1 (0-2)	0 (0-1.5)	-1 (0.64)
Number of general practitioner attendances, median (IQR)	15 (7.5-20)	10 (3-15)	-5.0 (0.080)	10 (5-20)	7 (3.5-17.5)	-3 (0.83)
Social functioning, mean (s.d.)	17.36 (4.4)	14.41 (7.9)	-2.95 (0.044)	16.05 (4.7)	13.95 (5.01)	-2.10 (0.026)
General Health Questionnaire score, mean (s.d.)	8.74 (4.1)	5.78 (4.7)	-2.96 (0.022)	8.67 (3.65)	6.43 (4.12)	-2.24 (0.066)
Total Modified Overt Aggression Scale score, median, IQR	3.79 (3.9)	4.00 (3.8)	0.21 (0.751)	2.71 (3.05)	2.86 (2.85)	0.15 (0.83)
Acts of self-harm, any (%)	5 (20.8)	4 (16.7)	4.1 (0.680)	5 (23.8)	5 (23.8)	0 (-)
Client satisfaction, mean (s.d.)	20.90 (6.0)	22.19 (7.04)	1.29 (0.518)	20.57 (5.996)	23.38 (6.029)	2.81 (0.066)

a. Results in bold are significant.
 b. Mean/median or proportions.
 c. Adjusted for baseline level, age and gender.

Table 4 Analyses of outcome scores: summary statistics for baseline and 24-month data (N=38), analyses of changes from baseline within each treatment group and comparisons of changes from baseline between treatment groups^a

Measures	Treatment as usual			Democratic therapeutic community treatment		
	Summary Statistics		Difference ^a (P)	Summary Statistics		Difference ^a (P)
	Baseline	24 months		Baseline	24 months	
Number of days of in-patient treatment, median (IQR)	0 (0-0)	0 (0-0)	-	0 (0-1)	0 (-)	-
Any in-patient treatment, n (%)	2 (11.1)	0 (0)	-11.1 (0.144)	3 (15.0)	0 (0)	-15.0 (0.072)
Any emergency department attendance, n (%)	11 (61.1)	4 (22.2)	-38.9 (0.018)	10 (50.0)	8 (40.0)	28.9 (0.162)
Number of attendances at emergency departments, median (IQR)	1 (0-2.5)	0 (0-0.25)	-1.0 (0.070)	0.5 (0-2.5)	0 (0-1)	-0.5 (0.041)
Number of general practitioner attendances, median (IQR)	20 (10-21)	10 (5-20)	-10.0 (0.028)	10 (7.5-21)	5 (3-14)	-5.0 (0.209)
Social functioning, mean (s.d.)	16.94 (4.82)	15.13 (7.17)	-1.81 (0.229)	17.11 (4.94)	12.16 (5.38)	-4.95 (<0.001)
General Health Questionnaire score, mean (s.d.)	8.76 (4.00)	6.18 (4.53)	-2.59 (0.083)	9.15 (3.30)	3.40 (2.78)	-5.75 (<0.001)
Total Modified Overt Aggression Scale score, median, IQR	4.06 (3.40)	3.50 (3.62)	0.55 (0.525)	3.40 (2.78)	1.35 (1.69)	-2.05 (<0.01)
Acts of self-harm, any (%)	3 (16.7)	3 (16.7)	0 (1.00)	2 (10.0)	4 (20.0)	10.0 (0.79)
Client satisfaction, mean (s.d.)	23.27 (6.53)	21.07 (6.30)	-2.20 (0.351)	22.39 (5.24)	26.72 (7.00)	4.33 (0.03)

a. Results in bold are significant.
 b. Mean/median or proportions.
 c. Adjusted for baseline level, age and gender.

significant advantages over TAU in aggression and self-harm measured by the Modified Overt Aggression Scale, and satisfaction with treatment, measured by the Client Satisfaction Questionnaire. There were no significant differences in other outcomes between those randomised to DTC and TAU.

Although participants receiving DTC showed a significant improvement in social functioning (Social Function Questionnaire) and mental health (General Health Questionnaire), participants receiving TAU showed a non-significant improvement on these measures, and the difference between conditions was not statistically significant. Online Fig. DS2 illustrates these results from Tables 3 and 4 in graphical form.

Discussion

Although concerns have been raised about the feasibility of experimental studies of DTC treatment,^{35,36} we have shown that an RCT of DTC treatment is possible. Therapeutic communities evolve and change according to the wishes of their members. This and the fact that DTC is a milieu-based intervention make it difficult to devise an adherence instrument. We addressed the problem of ensuring adherence to the model through service accreditation.^{37,38} Accreditation ensures adherence to the core processes and values of DTC practice and involves a detailed examination of the technique and environment.³⁹ The trial failed to support the primary hypothesis, that the active treatment would reduce use of in-patient services more than TAU. Levels of use of in-patient psychiatric services were lower among all participants in the study compared with those reported in the previous observational study we used for the sample size calculation.¹⁹ It is possible that this reflects differences in severity of personality disorder among people in the previous study, which was based in an in-patient therapeutic community, and changes in the organisation and delivery of acute care in the UK during the intervening period. Greater emphasis is now placed upon providing intensive community support at times of crisis in an attempt to reduce use of in-patient services. As all participants in the study had low levels of in-patient mental health treatment we were unable to properly explore the impact of the intervention on this outcome. Caution needs to be exercised in interpreting differences in secondary outcomes in the study because of loss to follow-up. The results of the complete-case analysis suggest that DTC is superior to TAU in reducing self-harm, violence and aggression, and improving satisfaction with care.

Following randomisation, treatment received by study participants receiving DTC was identical to that received by patients receiving DTC treatment who were not taking part in the study. By ensuring that the treatment received by the study participants reflects precisely the treatment routinely available we aimed to increase the generalisability of the study findings. The service was oversubscribed during the study period, so there was a waiting time prior to joining the DTC preparatory group. For this reason, by the 24-month follow-up point, just under a third (29%) of participants received full DTC treatment, and 80% received DTC preparatory work. The preparatory groups run as brief DTCs, and include all the major elements of the DTC intervention. As a result of the emphasis on empowerment in DTC treatment, transparency and involvement of members is promoted. This raises concerns that a randomised trial, which although based on consent involves decision-making about access to treatment (in this case randomised allocation) that is administered by a professional, might damage the autonomy of the members of a DTC participating in the trial. We addressed this first by obtaining consent from the participating therapeutic

community, as well as individual participants, and second by measuring elements of group function in the therapeutic communities involved in the trial, and comparing it with the functioning of two DTCs in a neighbouring county. Autrique *et al*⁴⁰ compared the DTCs involved in the TaCIT trial with two DTCs not involved on the Community Oriented Environment Scale,⁴¹ and did not find any deleterious effects on therapeutic culture.

Strengths and limitations of the study

The study has a number of strengths. It is an effectiveness study of patients referred to a real-world personality disorder service subject to the normal difficulties and pressures involved in the routine delivery of mental healthcare, including delays in access to treatment. As in other specialist treatment services for people with personality disorder, most study participants had more than one personality disorder and most had comorbid Axis I mental disorders.^{13,42} There is a well characterised control group, who did not differ significantly from the intervention group. There were very few exclusion criteria, and the levels of comorbidity were high, which mirrors normal clinical practice.² Personality disorders diagnosis was made using a formal interview (the SCID-II). The DTC intervention is well established, widely available^{21,43} and well described.¹⁶ The study is of treatment of any DSM-IV personality disorder, and borderline, avoidant and paranoid personality disorder were all present in over a third of participants. However, the fact that over 90% had a DSM-IV borderline personality disorder may limit the applicability of the conclusions to patient groups with personality disorder without comorbid borderline personality disorders.

The small sample size limits the power of the study to detect effects of the intervention. The participants lost to follow-up at both 12- and 24-month follow-up is high. Although characteristics of those who were and were not followed up are similar, caution needs to be exercised when interpreting the results of the study. The study was unfunded, and all masked raters were volunteers, who moved on regularly; this is likely to be one of the reasons for the low rate of follow-up. Four out of five participants attended at least one DTC preparatory group, for an average of almost a year (46 weekly sessions). A total of 29% of participants had received full DTC treatment by the 24-month follow-up point, a level likely to have been influenced by waiting times both to start treatment in the DTC preparatory group, and the 3- to 12-month period spent in the preparatory group prior to treatment in the DTC proper. In total, 80% received a weekly DTC intervention (the preparatory group). These groups incorporate the essential elements of DTC, but at lower intensity.

In order to address the limitations of the study, a longer follow-up period is required. Personality disorders are long-term conditions, and trials with short follow-ups have been criticised.⁹ At 2 years, this trial demonstrates a benefit at longer follow-up than most.⁹ The authors are currently carrying out a 5-year follow-up study. A larger trial would address the possibility that this study was too small to detect all the potential effects, and future work should be multicentre to demonstrate the effectiveness of the intervention delivered by different teams. Although this study has found evidence of clinical effectiveness, future research should examine the costs and cost-effectiveness of this treatment approach.

Implications

DTCs place an emphasis on peer support and challenge, and Mahlke & Bock⁴⁴ found an effect for peer support in a range of mental disorders including personality disorders in a randomised

trial. The promotion of belongingness, which is likely to be a substantial feature of integrated treatments for personality disorder, has an independent effect on well-being and mental health,⁴⁵ and is prominent in DTC.¹⁷ Similarly, the promotion of responsible agency has beneficial effects on impulsivity, self-efficacy and the ability to make good choices.¹⁷

Other elements of DTC functioning are likely to have benefits that are less easy to quantify. The National Institute for Health and Care Excellence recommends that in borderline personality disorder 'Specialist personality disorder services should involve people with personality disorders and families or carers in planning service developments, and in developing information about services . . . people with personality disorders may also provide services, such as training for professionals, education for service users and families or carers, and facilitating peer support groups'.⁴⁶ Therapeutic communities base their practice on the assumption that patients will be fully involved not only in planning service developments, but also in planning the details of their own care, and encourages members to act in a mentoring capacity to other members. In the DTCs involved in this trial, members and ex-members are involved in recruiting and training professionals, facilitating groups, producing literature about the service and providing carer education. This is why the consent of the four therapeutic communities was sought for their participation in the trial, in addition to individual consent from the participants.

This trial is the first randomised study of DCT treatment for people with personality disorder. It provides preliminary data demonstrating beneficial effects compared with a control condition at 2-year follow-up. We have also demonstrated that it is possible to overcome the obstacles previously identified to carrying out an RCT of therapeutic community treatment. It is thus now possible to build on these results with a longer-term follow-up study to confirm the sustainability of these benefits, which is underway, and a larger multicentre trial of DTC treatment for personality disorder, which is now required to confirm these results.

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poems
by
doctors

Article 3

Frederick Hopkinson

She screams.
Seconds pass, she screams again.
Psst, psst, psst psst psstpspsst.
The cuff tightens around her arm.
Our grip on her tightens.
Stabbing. Holding her down, stabbing. Missing. Holding her down. Stabbing.
Blood. Bruises.
No answers.
She screams and screams and screams.
In protest? In pain?
Tap chest. Push tummy.
She screams and stares me in the eye.
She doesn't eat. She doesn't drink.
We won't let go.
She screams and screams.
Plaques? Tangles?
The cuff tightens.
An ambulance called. Looking for something. New surroundings.
Fluids: lines that tie her to the earth.
No answers.
Back to the ward, familiar surroundings?
Shouts. Screams. Falls. Bruises.
Stab.
The needle probes for answers.
Flesh, tendons, blood, bruises.
Finds nothing.
Flash.
Xrays penetrate, organs exposed.
Nothing found.
Shouts. Screams. Every few seconds screams
No rest.
Anger.
We search on.
Grip. Tap. Prod. Stab. Flash. Scream. Screams, screams
No rest.
Anger.
We search on.
Grip. Tap. Prod. Stab. Flash. Scream. Screams, screams

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