



**An exemplar of a GP commissioning and child and adolescent mental health service partnership: Cambridge 1419 young people's service**

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Running Head: AN EXEMPLAR OF GP COMMISSIONER AND CAMHS PARTNERSHIP

## **An exemplar of a GP commissioning and child and adolescent mental health service partnership: Cambridge 1419 young people's service**

### **Introduction**

The World Health Organisation has identified a worldwide absence of mental health policy for children and adolescents (World Health Organization, 2005). In the UK, the call for such a policy has been answered by Improving Access to Psychological Therapies (IAPT) for adults, and the subsequent development of Children and Young People's Improving Access to Psychological Therapies (CYP IAPT).

The IAPT program recommends that commissioners should be "promoting health and wellbeing through strong partnerships with professionals" (<http://www.iapt.nhs.uk/>). Most recently, the Department of Health paper, "Future in Mind: Promoting, protecting and improving our children and young people's mental health" (2015) recommends "collaborative commissioning approaches between CCGs, local authorities and other partners, enabling all areas to accelerate service transformation" (p. 16).

Within health more widely, there is an interest in collaborative commissioning. Ham (2008) draws on an analysis of international health commissioning to make a case for "relational contracting" and integrated systems that 'make' rather than 'buy' care". The concept of relational contracting versus transactional contracting was first introduced by the lawyer, Ian R. Macneil (1969). He argued that "exchange represents a species of human cooperation" (p.405). The distinguishing characteristics of relational contracting include the exchange relationship occurring over time and that because of the extension over time, parts of the exchange cannot be measured or precisely defined at the time of contracting. Thirdly, a complex cooperative relationship between contracting parties may expand over time to include others who support or rely on the exchange relationship (Speidel, 2000).

Recently, the attention to relational contracting has intensified with the introduction of integrated care offering opportunities to systematically investigate the real-time mechanisms

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2 involved in contracting of health care. Shaw et al. (2015) in their study of three  
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4 commissioning communities found that most of the work carried out by commissioning staff  
5  
6 involved collaborative activities. These included building consensus, addressing priorities,  
7  
8 and drawing on the views of stakeholders. The services with the greatest progress were  
9  
10 characterised by leadership which ensured that there was clear commitment to agreed  
11  
12 priorities and change was taken in incremental steps. Flexibility and reciprocity were seen as  
13  
14 critical for maintaining momentum for change. Likewise, Porter et al. (2013) found that  
15  
16 commissioning practice in the six communities they investigated was dominated by a  
17  
18 relational approach involving trust, common values, and networks. They suggest that the  
19  
20 relational aspects of contracting were an effective way to overcome the barriers of limited  
21  
22 provider competition, poor information on demand and resource, complex motivations and  
23  
24 uncertain transaction costs. There appears to be agreement that “contractual vehicles do not  
25  
26 replace the need to establish high-functioning local relationships” (Addicott, 2015).  
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32 To date, however, there has been no published literature that we are aware of in the  
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34 area of child and adolescent mental health exploring the mechanisms underlying  
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36 collaborative commissioning. The paper, “Guidance for Commissioners of Child and  
37  
38 Adolescent Mental Health: Practical mental health commissioning” (2013) advocates a  
39  
40 multi-agency approach to commissioning of child and adolescent mental health services  
41  
42 (CAMHS) and offers information on why CAHMS is important to commissioners, what a  
43  
44 good service would look like, and how to support the delivery of good mental health services.  
45  
46 However, if we are to develop relational commissioning in CAMHS, we will need detailed  
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48 examples of best practice in local contexts.  
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51 In this paper, we offer the “1419” pilot as a case study of collaboration between  
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53 commissioner and provider, between partner agencies, and within mental health teams. We  
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55 had from the outset a purpose shared by the commissioner, the entire provider team,  
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2 communication, shared decision making, co-location of staff, co-working by staff, and  
3 shared infrastructure. Many of these features are those identified in the integrated care  
4 research. In addition, we will argue that the small team size and iterative demand  
5 capacity planning were critical to the collaborative approach.  
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11 In 2010, CLC, the General Practitioner Mental Health Lead within the  
12 Cambridgeshire & Peterborough Primary Care Trust (the commissioning  
13 organisation), recognised the need for early intervention for young people with mental health  
14 difficulties in our community (Jones, 2013; McGorry, 2013; Wang, 2005). She set out to  
15 design a pilot service with Cambridge and Peterborough Foundation Trust, and supported by  
16 the commissioning team of the Primary Care Trust.  
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25 This team was the first of its kind in Cambridgeshire, designed by a unified  
26 professional community to target young people as their mental health needs were emerging  
27 without a wait for treatment. We were responsive to the needs of teenagers who could see  
28 our clinicians in school, in public spaces, or in our clinic. We provided evidence based  
29 treatments and used routine outcome measures to ensure these treatments were working. The  
30 process of developing the service was iterative in that we kept going back to referrers and  
31 young people to ask what was needed. Our clinical team believed in and took direct  
32 responsibility for the goals of the service. Young people told us that they appreciated our  
33 availability, use of routine outcome measures, and communication style. Professionals  
34 recognised our availability, flexibility, communication style, and treatment approach (see  
35 Table 1).  
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49 The pilot service ran for two years. It was hoped that funding would be picked up  
50 through already existing statutory services. Unfortunately, this did not happen due to funding  
51 limits, although the staff members involved in the pilot continue to influence service culture.  
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## Methods

We have used a participant observer qualitative research design to describe our commissioning and service design. The development of our service was recorded as it occurred by AH and CLC. In order to build on existing literature and to frame the process which we report here, we chose to use a model of implementation developed by Aarons et al. (2011). This model enables a description of the “extension in time” aspect of relational contracting, identifying four factors that have a strong influence on the success of evidence based practice in publically funded services for children and families -- exploration, adoption, implementation and sustainment. We describe our own experience under these four headings.

We have also analysed our treatment outcomes using a quantitative design and found significant improvement in service user mental health and daily function. These results will be reported elsewhere.

## Results

### Establishing “1419” on the basis of a conceptual model

**Exploration.** Aarons et al. (2011, p. 6) defined the exploration stage as “awareness of either an issue that needs attention or of an improved approach to an organisational challenge”. Although GP referrals typically accounted for 41.5% of all referrals to our child and adolescent mental health service, the likelihood of a GP referral being rejected had been three times that of other referral sources (Hinrichs et al., 2012). In view of this, we sought to provide a service which would be easy to access.

CLC began by looking for a colleague in mental health services with whom these goals could be shared. AH had worked with managers and the Primary Care Trust to develop early intervention mental health services, and was aware of the need to employ evidence based therapies to young people with emerging mental health difficulties. CLC and AH set

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2  
3 out to establish a service for young people offering evidence based treatments and using  
4  
5 routine outcome measures (Table 2) in keeping with the national Improving Access to  
6  
7 Psychological Therapies Program. The synergy between a commissioner and a provider  
8  
9 sharing a common vision was the first critical step and the foundation upon which all further  
10  
11 developments were based.  
12

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14 **Adoption.** Cambridge and Peterborough had an Adult IAPT service and  
15  
16 information about the rationale for CYP IAPT was emerging (Layard and Dunn, 2009). We  
17  
18 were working in a health environment where there was already relevant information which  
19  
20 had not yet been exploited in our services. CLC and AH shared the intent of using this  
21  
22 information to help us meet the needs of our community choosing treatments and outcome  
23  
24 measures from IAPT and CYP IAPT and maintaining a focus on participation of service  
25  
26 users.  
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30 We understood that on-going demand/capacity planning had not been possible with  
31  
32 bloc commissioning. CLC had experienced this as a commissioner and as a GP unable to get  
33  
34 quick access to mental health services for her patients. As a provider, AH had experienced  
35  
36 the pressures in Tier 3 CAMHS of increasing demand for a service with static resource. This  
37  
38 bi-focal perspective enabled us to hold onto the common goal of accessible mental health  
39  
40 care. The provider perspective meant we could construct an evidence-based package of care  
41  
42 including the right treatments provided by the right professional over the right period of time.  
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44 The commissioner perspective meant that from the outset, we could identify outcome  
45  
46 measures that would demonstrate value for money and could roll-out the service in a cost  
47  
48 efficient manner. Funding would not permit us to serve the entire City of Cambridge while at  
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50 the same time providing immediate care without a wait. We decided to target 14 to 19 year  
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52 olds, hence the title of our pilot, “1419”. We adopted a “needs led” approach using  
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54 epidemiological data and service demand data (Harrington et al., 1998; Rutter and Stevenson,  
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2  
3 2008). Uncertain of demand, we agreed a phased start up, beginning with three general  
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5 practices and building to nine.  
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7 We built relationships into our service design to soften the “edges” of our service  
8  
9 with existing child and adolescent mental health services, referrers, partner organisations, and  
10  
11 adult mental health.  
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14 The interface with existing mental health services was bridged by employing a Child  
15  
16 and Adolescent Psychiatrist based in specialist targeted mental health team (Tier 3 CAMHS)  
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18 who was able to co-work cases where needs required this. This person along with AH was  
19  
20 key to articulating the rationale of our service to the specialist mental health team and  
21  
22 conversely, informing us of the needs of that service so that we could respond accordingly.  
23  
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25 Our relationship with referring GPs was strengthened by providing referral criteria  
26  
27 in a clear and easy to use form (Table 3) and repeatedly visiting referring general  
28  
29 practitioners to discuss and agree service goals and operating procedures. As a consequence,  
30  
31 in two years we rejected only three referrals out of one hundred forty two.  
32  
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34 Working relationships with local partner agencies were enhanced through a 1419  
35  
36 Project Board including colleagues in local government and the voluntary sector. The Project  
37  
38 Board met every four weeks from the early planning stages and its members were included in  
39  
40 all strategic decisions including mechanisms for roll-out, review of outcome measures and  
41  
42 service changes based on outcome measures. This board became the CYP IAPT Steering  
43  
44 Board in 2011 preparing the Cambridgeshire bid for to become a CYP IAPT Partnership in  
45  
46 the first year of the DH initiative and continues to meet to oversee the sustained  
47  
48 implementation of CYP IAPT principles throughout the county.  
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51  
52 Gaps between our service and the voluntary sector were also bridged by including in  
53  
54 our team a counsellor from a highly attended local voluntary organisation. She facilitated  
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2  
3 transfer of young people to a counselling service if indicated and had experience of working  
4  
5 in a “walk-in clinic”.

6  
7 The relationship with Adult Mental Health services was enhanced by co-location in  
8  
9 Adult IAPT offices in the city centre, easily accessible to young people. We co-worked cases  
10  
11 where there was parental mental health difficulty or where a young person could be better  
12  
13 served by Adult IAPT, thus providing holistic care without the seams between services that  
14  
15 reduce accessibility. Use of the Adult IAPT database also gave us the opportunity gain cost  
16  
17 efficiencies.

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20  
21 **Implementation.** Using the “innovation-values fit” model we organised our service  
22  
23 structures in line with our mission (Klein & Sorra, 1996).

24  
25 We knew that the majority of our patients would be presenting with low mood and  
26  
27 anxiety requiring cognitive-behavioural therapy. We recruited three full-time staff: (i) a  
28  
29 senior clinical psychologist with additional CBT accreditation providing a strong clinical lead  
30  
31 (ii) a family therapist, considering evidence from other IAPT sites which piloted, with good  
32  
33 results, a systemic therapy service for anxiety and depression (Kuhn, 2011) (iii) a psychology  
34  
35 assistant with previous research experience who could help manage the database and provide  
36  
37 guided self-help and computerised cognitive behavioural therapy programs for patients.

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39  
40 Aarons et al. (2011) describe the “receptive context” as providing “openness to  
41  
42 change, minimising competing demands characterised by support for creative innovation and  
43  
44 new ideas, tolerance of differences, personal commitment and psychological safety”. Our  
45  
46 team was small and developed a cohesive identity through meeting regularly, agreeing  
47  
48 common goals, and adapting as needed in response to the needs of our patients and referrers.

49  
50 The operating procedures of our team were designed to support the goals of the  
51  
52 service (see Table 4).  
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2  
3 **Sustainability.** After funding for “1419” pilot was put in place we merged with an  
4  
5 Early Intervention Consultation Service (EILS) which already existed for children and young  
6  
7 people with moderate mental health needs. The age range was brought in line with this  
8  
9 service, lowering it to seventeen rather than nineteen. This meant we could no longer serve  
10  
11 the critical period of transition from child to adult services, as we originally planned.  
12  
13 However, we were able to maintain other crucial aspects of the program including daily  
14  
15 referral intake, assessment and treatment within two weeks, routine outcome measures and  
16  
17 evidence-based practice.  
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20  
21 Unfortunately, our clinicians were soon asked to pick up emergency and high need  
22  
23 cases in other areas, leading to “competing task demands” and an increase in waiting times as  
24  
25 demand/capacity calculations no longer applied. In 2013, we were obliged to cease all direct  
26  
27 patient care with young people who had mild to moderate mental health needs as our team  
28  
29 were fully absorbed into child and adolescent mental health services for those with moderate  
30  
31 to severe needs.  
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33

34 Organisational philosophy, critical mass, social network support, and staff retention  
35  
36 and replacement are critical to sustaining innovation (Aarons et al., 2011). All of these went  
37  
38 into decline once the funding and innovative early intervention practice of the “1419” ceased.  
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### 43 **Costs**

44  
45 The two year duration of the 1419 service, from 2010 until 2012, cost £223,270  
46  
47 including staff pay, non-pay costs such as travel, equipment and stationary. The service saw  
48  
49 139 patients in this time providing an effective service at £2,637 per patient treated including  
50  
51 64.2% overhead costs as estimated by the Personal Social Services Research Unit (Curtis,  
52  
53 2011). In comparison, the average cost per case for generic single disciplinary CAMHS  
54  
55 teams has been estimated at £4,409 and for multi-disciplinary CAMHS £4,823. (Curtis,  
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2  
3 2011). We have demonstrated improvements in the mental health of the young people we  
4  
5 have helped at below average cost of service.  
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### 8 **Ethical Review**

9  
10 The protocol was reviewed by the Research and Development Department,  
11  
12 Cambridge and Peterborough Mental Health Trust and considered it to comprise service  
13  
14 evaluation. Thus, according to the Health Research Authority guidelines relating to research  
15  
16 involving previously collected, non-identifiable information, the evaluation presented here  
17  
18 was excluded from REC review.  
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### 22 **Discussion**

23  
24 The “1419” was the product of a confluence of factors permitting the emergence of a  
25  
26 new, effective and efficient mental health service for young people. These factors are shown  
27  
28 in Figure 1. The dynamics and structures we have described here enabled clear shared goals  
29  
30 between service user, service purchaser, service provider, and service partners. Importantly,  
31  
32 the goals and design of the service were not static and were subject to ongoing development  
33  
34 using routine outcome measures and conversations between referrers, commissioners, service  
35  
36 users and within the team about what was and wasn’t working. Glasby et al. (2011) describe  
37  
38 three levels of partnership working – the individual, the organisational, and the structural.  
39  
40 We moved forward towards our shared goals across all of these levels. Health economies are  
41  
42 defined by resource limitations. Our experience has been that when policy is imposed  
43  
44 without these process mechanisms in place, limited resources are further eroded by  
45  
46 misunderstanding leading to a service design which does not serve the needs of the  
47  
48 community.  
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53  
54 Modernisation of children’s mental health services requires close collaboration of  
55  
56 providers and commissioners because *how* we “make” mental health care is as important as  
57  
58 *what* we make. Programs that monitor implementation obtain effect sizes up to three times  
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2 those of programs that do not (Durlack & DuPre, 2008) with the context of “empirically-  
3 supported treatments” for young people independently contributing to treatment outcomes  
4  
5 (Weisz, 2014). In the UK, the focus of mental health commissioning has been on  
6  
7 procurement and contracting. To allow whole system change such as that envisioned by  
8  
9 IAPT and CYP IAPT, we need more trained and supported commissioners who are able to  
10  
11 understand “the deeper . . . dynamics to purchasing and contracting relationships” and who  
12  
13 can engage with “patients, family carers, community groups and providers of all sectors  
14  
15 throughout the [commissioning] cycle” (Miller and Rees, 2014).  
16  
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20 We propose the way forward includes:

- 21 1. Consideration of “relational commissioning” with purchasers, providers and  
22 service users designing services together. Perhaps, operationalising and  
23 quantifying the extent of collaboration (Hawe et al., 2004; Rousseau et al.,  
24 2012).  
25  
26
- 27 2. Case-level collaboration spanning the divides between services and partner  
28 agencies.  
29  
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- 31 3. Smaller child and adolescent mental health teams eliminating competing task  
32 demands, permitting speed of action, providing psychological safety for staff,  
33 promoting shared goals and innovation.  
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- 36 4. Rigorous demand/capacity planning to inform funding.  
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45 In conclusion, our experience demonstrates the importance of local relational  
46 context in implementation in agreement with the literature on integrated care (Addicott R  
47 2015; Lafortune, 2013; Porter et al. 2013; Shaw et al. 2015). The risk of not developing  
48 this approach to commissioning of services is what Williamson has coined “intractable  
49 transactions” (Williamson, unpublished, quoted in Ham, 2008).  
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### 2 3 **Limitations and Future Research**

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5 Our methods are limited by the lack of a prospective independent systematic  
6  
7 evaluation of our implementation process and by the time limitations of the service. We  
8  
9 have chosen the participant observer qualitative research design which can increase the  
10  
11 validity of a study enabling a deep understanding of the phenomena being studied  
12  
13 (DeWalt and DeWalt, 2002) but can also challenge the objectivity of the analysis. We used  
14  
15 an existing theoretical model from implementation science to mitigate a purely subjective  
16  
17 interpretation of our qualitative data. Future research of child and adolescent mental health  
18  
19 services should employ independent case study design such as that used by Shaw et al (2015).  
20  
21 Dickinson et al (2013) point out that much of the joint commissioning literature is “faith-  
22  
23 based” with little evidence of improved outcomes. We have analysed all of our treatment  
24  
25 outcomes using a quantitative design and found significant improvement in service user  
26  
27 mental health and daily function. These findings will be presented in future publications. We  
28  
29 are, however, unable to draw a causal relationship between our service design and the  
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31 outcomes presented having not included a comparator or control service and having not  
32  
33 controlled for life events during the young people’s treatment which may have effected  
34  
35 outcomes.  
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40  
41 Indeed, the effect of individual elements in relational contracting on treatment  
42  
43 outcomes in child and adolescent mental health services has yet to be investigated. Some of  
44  
45 these elements have been identified in discussions of barriers to “relational contracting” and  
46  
47 include commissioner’ lacking technical and managerial skills, information asymmetries  
48  
49 between buyer and seller, the separation of commissioners and providers, low levels of  
50  
51 administrative support for commissioners, insufficient understanding of different agencies,  
52  
53 lack of shared definitions and common language (Ham, 2008; Miller and Ahmad, 2000).  
54  
55 Future research in the area of commissioning child and adolescent mental health services will  
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2  
3 need to control for these elements comparing different services and operationalising broad

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5 outcome variables including, for example, treatment outcomes, cost efficiencies across the

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7 relevant health economies, and experience of service across all stakeholders.  
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For Peer Review

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Figure 1. Conditions required for 1419.

**Table 1.***Qualitative Service Feedback*

	<b>Young People</b>	<b>Professionals</b>
<b>Positives</b>	Quick Friendly Clear Questionnaires/letters to see progression Convenient location Seen quickly Not trying to be cool Does what it says, 'young people's service'	Quick Flexible Communicate with us Not sent to different services Holistic Flexible Venue
<b>Negatives</b>	Use word 'mental health' Advertise more	On-line services not provided Simpler referral form Continue service Extend to younger age group

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Table 2.

## 1419 Outcome Measures

Variable Measured	Measures and Properties
Symptoms	<p data-bbox="630 378 1279 499"><b>Mood and Feelings Questionnaire (MFQ short) 13 item form.</b> Measures depressive symptoms. Designed for use as screening tools in adolescents. Widely used in treatment studies to demonstrate change. Range 26. Cut-off 7/8</p> <p data-bbox="630 533 1292 684"><b>Generalised Anxiety Disorder 7(GAD7).</b> Measure of anxiety symptoms. Designed for adult IAPT. Can be low for patients with severe anxiety, hence the use of the phobia scale. Range 0-21. Cut-off 7/8 for anxiety 'caseness' in adult IAPT</p> <p data-bbox="630 718 1263 781"><b>Phobia3.</b> Measures phobic avoidance. Designed for adult IAPT. Range 0-24.</p>
Behaviour and Functioning	<p data-bbox="630 789 1295 1037"><b>Children's Global Assessment Scale (CGAS).</b> Semi-ordinal scale scored from 1-100, single score for functioning in all domains. High score represents better functioning. Cut-points include: 40/41: severe vs moderate disorder (severe generally rated as total non-function in at least one domain, eg not at school as too ill); 60/61: cut-off for entry into some CAMHS services.</p> <p data-bbox="630 1071 1276 1255"><b>1419IAPT Function Questionnaire.</b> Six item function questionnaire developed by the 1419IAPT steering group. First four items taken from the SDQ. The validity and psychometrics of summing items from this questionnaire are unproven. In such cases, using individual items scores is likely to be more valid than summing items.</p> <p data-bbox="630 1289 1292 1663"><b>Strengths and Difficulties Questionnaire (SDQ).</b> Designed as a screening tool. Less information (sensitivity to change) in patients with more severe illness. Young person version given. Five subscales, each with range 0-10. Four have higher scores representing more symptoms (emotional problems, conduct problems, hyperactivity and peer problems). These are added to give the total problems scale (range 0-40). One sub-scale has higher scores representing better abilities (prosocial). Cut-offs as a population screen, rather than being designed for clinical samples; they represent approximately 10% of the population and are not age/gender normed.</p>

**Table 3.***“1419 IAPT” Referral Criteria*

Inclusion Criteria	Exclusion Criteria
<p>Mild to moderate depression</p> <p>Mild to moderate Anxiety, i.e. specific phobia, social anxiety, generalised anxiety, separation anxiety, panic attacks</p> <p>Post Traumatic Stress Disorder (PTSD)</p> <p>Obsessive Compulsive Disorder (OCD)</p> <p>Deliberate self harm</p> <p>Mild eating disorders</p>	<p>Severe mental health difficulties, where the following presentation indicates:</p> <p>An on-call, outreach or crisis service may be needed due to the severity of symptoms, risk and severe effect upon activities of daily living (refer to CAMH)</p> <p>A long episode of care over a prolonged period of time is needed, due to factors such as co-morbidity and a history of complex problems that have not responded to previous community treatments (refer to CAMH)</p> <p>Significant eating disorder (refer to CAMH or Phoenix Centre)</p> <p>Psychosis (refer to CAMH)</p> <p>Drug/ alcohol use (refer to CASUS)</p> <p><b>Or</b></p> <p>Where the client is unable to access psychological therapies, due to e.g.:</p> <ul style="list-style-type: none"> <li>Developmental factors</li> <li>Medication</li> <li>Ongoing trauma</li> </ul>

**Table 4.***Operating Procedures Supporting Service Goals*

<b>Service Goals</b>	<b>Operating Procedures</b>
Easy to access and collaborative	Self-referral No wait list Choice of venues Contemporary forms of communication Clear service criteria Constant collaboration with referrers and service users in treatment planning and service design
Evidence based	National Institute of Clinical Excellence (NICE) compliant Stepped-care interventions within service and across tiers and sectors Routine outcome measures reviewed in supervision

For Peer Review

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