The impact of patient and public involvement in the SlowMo study: reflections on peer innovation

Article  (Accepted Version)


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The impact of patient and public involvement in the SlowMo study: Reflections on peer innovation

Abstract

*Background* The SlowMo study demonstrated the effects of SlowMo, an 8-session digitally-supported reasoning intervention, on paranoia, in a large-scale randomised controlled trial with 362 participants with schizophrenia-spectrum psychosis.

*Aim* The current evaluation aimed to investigate the impact of Patient and Public Involvement (PPI) in the SlowMo study.

*Method* PPI members were 6 women and 3 men from Sussex, Oxford and London with experience of using mental health services for psychosis. They received training and met at least 3-monthly throughout the project.

The impact of PPI was captured quantitatively and qualitatively through: (i) a PPI log of recommendations and implementation; (ii) written subjective experiences of PPI members; (iii) meeting minutes and (iv) outputs produced.

*Results* The PPI log revealed 107 recommendations arising from PPI meetings, of which 87 (81%) were implemented. Implementation was greater for recruitment, data collection and organisation-related actions than for dissemination and emergent innovations. Qualitative feedback revealed impacts on study recruitment, data collection, PPI participants’ confidence, knowledge, career aspirations, and society more widely. Outputs produced included a film about psychosis which aired on BBC primetime television, novel webpages and journal articles. Barriers to PPI impact included geography, travel, funding, co-ordination and wellbeing.

*Discussion* A future challenge for PPI impact will be the extent to which Peer Innovation, (innovative PPI-led ideas), can be supported within research study delivery.

*Patient and Public Contribution* in SlowMo comprised consultation and collaboration in (i) design (ii) recruitment, (iii) qualitative interviews and analysis of service users’ experiences of SlowMo therapy and (iii) dissemination.

*Key words* – Patient and Public Involvement (PPI); Impact; Paranoia; Cognitive behavioural therapy; Digital Health; Mobile applications.
Background

Patient and Public Involvement (PPI) in research is increasingly important in the NHS, as it is proposed to enhance the value, credibility, effectiveness and ethical conduct of the research, and ensure that the research process and outcomes are patient-centred. However, it is notoriously challenging to demonstrate the added value or impact of PPI in research, and few studies report this impact. The current evaluation reports the impact of Patient and Public Involvement (PPI) in the SlowMo study.

The SlowMo study - The SlowMo study investigated the effects of SlowMo, an 8-session digitally-supported cognitive-behavioural reasoning intervention, on paranoia, and mechanisms of change, over 24 weeks, in a large-scale randomised controlled trial with 362 participants with schizophrenia-spectrum psychosis and distressing, persistent paranoia across 3 UK sites (London, Sussex and Oxford). The intervention builds awareness of unhelpful ‘fast thinking’ and supports people to ‘Slow down for a Moment’ to find ways of feeling safer. Sessions are assisted by the SlowMo ‘webapp’, delivered via touchscreen laptop, with interactive features including animated vignettes and personalised thought ‘bubbles’, and a mobile phone app which provides access to SlowMo strategies in daily life. The overall pattern of results clearly indicated that SlowMo was beneficial for paranoia, with 10/11 paranoia measures at 12 weeks and 8/11 at 24 weeks demonstrating significant small-moderate effects. Sustained moderate effects were found on all observer-rated measures of persecutory delusions, and important improvements were also reported on self-esteem, worry, wellbeing and quality of life.

Definitions of PPI in research - The NIHR INVOLVE guidance (2020) on patient and public involvement (PPI) defines PPI as ‘research being carried out ‘with’ or ‘by’ members of the public rather than ‘to’, ‘about’ or ‘for’ them’. Consultation is defined as one off or regular advice which may or may not be acted upon, whereas collaboration involves service users and researchers working in partnership with clearly agreed roles.

Theoretical rationale and influences — The theoretical rationale behind PPI in the SlowMo study was the expectation of epistemic improvements in the rigour, relevance and reach (3 Rs) of the research. Indeed, there is growing evidence for the impact of PPI on the processes and outcomes of mental health research, through the increased reach of recruitment, relevance of dissemination that involves service users, and enhanced rigour, openness and honesty of responses when service user participants are interviewed by their peers. The roles for PPI in the SlowMo study were thus focussed on support for recruitment, qualitative interview design and data collection, and dissemination strategies. This identification of clear roles also served to minimise the risk of tokenism.
Running Head: Patient and Public Involvement in SlowMo

in the PPI contribution, wherein the absence of specific PPI aims leads to a self-fulfilling prophecy of failure to demonstrate value and impact.\textsuperscript{10}

Consistent with the epistemic framework for PPI, the study incorporated a consideration of these 3 R’s on the impact of PPI, and the PPI outcomes are reported in this paper, with reference to the GRIIPP-2 reporting checklist for PPI in research.\textsuperscript{11} The approach was influenced by the previous experiences of the PPI lead in collaborating with experts by experience, peer researchers and consultants,\textsuperscript{12-14} and by the research team’s interaction with service users in the development of the intervention and subsequent grant application, as outlined elsewhere\textsuperscript{15-16}

**Conceptual models and influences** - Ives et al.\textsuperscript{17} differentiate between PPI which is ‘Consultation’ which is by invitation, top-down, pragmatic and process oriented, focused on rigour, relevance and reach; and ‘Partnership-Alliance’, or ‘Collaboration’ which is bottom-up, rights-based and process oriented, representing community values, joint decision making and the encouragement to offer new ideas. Consultation in the SlowMo study built on the ‘Critical Friend’ model: where a critical friend is a trusted person who asks provocative questions, provides data to be examined through another lens, and offers a critique of a person’s work as a friend. The friend is an advocate for the success of that work.\textsuperscript{18} The consultant role is thus objective and outside of the immediate research team.\textsuperscript{17} However, the SlowMo PPI approach also incorporated a ‘Collaborative’ model of peer researcher, wherein peer research is ‘research that is steered and conducted by people with lived experience of the issue being studied.’\textsuperscript{19} The peer researcher role included co-design of methodology, data collection and analysis of the SlowMo study qualitative research, and in this respect held some overlap with Ives et al’s Partnership-Alliance\textsuperscript{17}.

**PPI in the grant application phase** -Prior to the current project, an extensive research programme incorporating both feasibility and an interactive human centred design approach was undertaken as outlined in Hardy et al.\textsuperscript{15-16} Revisions were made to the name and design of the intervention, advice on pacing and personalizing the intervention led to an extension from 6 to 8 sessions, language was made more accessible and the content was individualized.

PPI input for the current project commenced with the grant application. The PPI consultants influenced the choice of primary outcome measure, which assessed distress and paranoia. They also advised that the intervention should address wellbeing, functioning and distress, such that these were incorporated into the outcome measures, alongside a secondary outcome measure of self-esteem. All the PPI consultants felt strongly that there was a need to improve treatments and access to treatments for distressing paranoia.
Lay vs expert PPI - One challenge in the identification of suitable PPI members lay in the well-documented tension between the recruitment of lay service users, versus professionalised ‘expert’ PPI members, as a result of the incorporation of both lay consultant and peer researcher roles. Ives et al. propose a paradox. Lay PPI consultants may struggle to contribute meaningfully in peer researcher roles, involving research leadership, data collection or analysis, due to their lack of appropriate training. Yet, the provision of training required for collaborative peer research roles, produces ‘expert’ service users with a track record of PPI, who may then no longer hold their original critical friend perspective but instead share the language and perspective of the researcher. Staley argues that there are different levels of involvement requiring different levels of expertise, and appropriately matched training. Consultation in relation to recruitment of trial participants for example, may be more valuable from lay service users, whilst qualitative data collection requires training and the development of expertise. In the SlowMo study, this tension was addressed through the recruitment of service users with a range of prior PPI expertise, and by delivering training in 6-monthly intervals focussed on different roles, which progressed from consultant to peer researcher as the project progressed.

Aims of PPI in the SlowMo study - The aims of PPI in the SlowMo study were that the PPI team would be involved in 3 specific aspects of work: 1. Assisting study recruitment, by presenting the research to teams and participants and giving their perspective on the study, and helping with the development of materials such as leaflets; 2. Designing and conducting qualitative interviews on participants’ experiences of receiving SlowMo therapy; and 3. Assisting in the future dissemination of findings.

Funding was secured to provide for 8 hours of consultation per month on average throughout the duration of the project. To assist in meeting these aims the PPI team received regular training and supervision, met as a group regionally and also project-wide and were invited to study management meetings.

The aim of the current evaluation was to investigate the impact of PPI in the SlowMo study.

Method

Identification of PPI members - PPI members for the SlowMo PPI teams were identified through a combination of (i) recruitment from pre-existing PPI research and consultation groups, and (ii) identification of people who had themselves taken part in the previous or current SlowMo research and (iii) direct expressions of interest, in response to publicity. The PPI teams comprised 9 people: 2 women and 1 man in Sussex, 2 women in Oxford and 2 women and 2 men in London. They were aged between 30-56, one woman and 2 men (all from London) were from a BAME background, whilst all others were white British. All members had previous experiences of using mental health services for
a psychosis spectrum condition. Principles of ethics were maintained including anonymity and confidentiality and first names have been used with permission.

**Methods through which PPI members were involved** - Involvement commenced with a whole PPI team introduction and training session, co-facilitated by the study PPI lead (KG) and local site leads. This was followed by a second training 6 months later. Thereafter, regional teams met approximately every 1-3 months, with group discussion and activity facilitated by the respective site lead, and also by a designated Expert by Experience PPI lead at the Sussex site. The PPI team together made a plan to meet as a whole study group once or twice per year. Finally, PPI members were invited to key study meetings including the study launch, study steering meetings, and the results meeting (see Figure 1).

**PPI induction and training** - SlowMo PPI participants each received either an introductory session to the SlowMo therapy to demonstrate how the SlowMo intervention worked, or received a full course of SlowMo therapy, prior to commencing the PPI role.

A whole group introductory training programme was designed by the PPI lead (KG), based on previous training programmes that were co-produced with service user involvement leads. The training focused on (i) an introduction to PPI and the ‘critical friend’ model, (ii) discussing, disclosing and using experiences (iii) an introduction to research methods, PPI and peer research in the SlowMo study and (iv) supervision and safe-guarding. Subsequent whole group training was more consultative and PPI-led, and included (i) site updates, (ii) specific project work, (iii) role play practice and feedback in preparation for qualitative interview data collection, and (iv) the development of personalised role boundaries, disclosure, keeping well and supervision plans. As recommended by Friesen et al., the PPI training prioritised the development of service users’ capacities. Additional training and practice also occurred in regional small-group settings, facilitated by the site leads. As the study progressed these training and consultation sessions were also attended by the research assistants, who worked closely with the PPI members on site specific activities and interview data collection.

**Planned PPI at different stages of the study** - The core tasks for the PPI team, outlined at the start of the study were to support (i) recruitment activity, (ii) conduct qualitative interviews with service users regarding their experiences of SlowMo therapy and (iii) dissemination activity. The Sussex PPI lead (SR) contributed to the design of the evaluation, advising on the creation of the PPI log, sharing the GRIPP-2 reporting tool, and supporting the decision to report the PPI evaluation. Early PPI activity comprised consultation regarding recruitment materials and activities, and content of the qualitative interview topic guide. Subsequent input took a more formal collaborative PPI model and involved PPI members acting as peer researchers to collect interview data, analyse sections of transcribed data, and co-produce resulting themes from the qualitative sub-study with the research team, as well as co-
producing the Plain English results summary, and providing written project summaries for use in lay journals and future publications.

Measurement of the Impact of PPI - The Impact of PPI on the project was captured in a number of ways. First, a PPI log in the form of an excel spreadsheet was created in consultation with the PPI team. This log enabled the PPI team to create (i) a written record of recommendations that arose from site and whole team meetings, (ii) the study team response to these recommendations, (iii) whether recommendations were implemented, and (iv) the PPI team perspective on the outcome. Recommendations were proposed by PPI members during PPI meetings and recorded in the log by the PPI lead or Research Assistant. This log provided the opportunity for a quantitative record of recommendations made, and the percentage of these that were adopted. Second, at various stages throughout the project, both early in relation to consultation and later during the qualitative sub-study, the PPI team provided written feedback on their qualitative subjective experiences of involvement. Third, PPI members attended study meetings and their impact was documented in meeting minutes. Finally, there were tangible impacts in the form of observable outputs produced by and as a result of the PPI group. Factors that enabled or hindered PPI comprised reflections over the course of the evaluation from the PPI leads.

Results

Measurement of PPI impact - The PPI team made substantial contributions to the SlowMo study across all phases of the study, as captured through the measurement of PPI impact. First, the PPI log (see Table 1) revealed a total of 107 actions or recommendations arising out of the PPI meetings of which 87 (81%) were acted on. A number of actions were proposed that emerged out of the PPI discussions that were not part of, or went beyond that which was initially expected from the PPI team. These actions are included in the actions recommended and acted on in the table, but examples are also listed in the footnote to Table 1, and in the section on wider impacts below.

Second, qualitative feedback from the PPI team revealed impacts both for the study, the PPI participants themselves, and the NHS more widely, the details of which are summarised in Figure 2.

Third, minutes from study management meetings indicated that direct attendance and input of PPI members to these meetings occurred annually despite an initial plan for at least 6-monthly attendance. In addition, one PPI member attended the launch meeting in 2018, 2 PPI members attended a study management meeting in 2018 and 3 members attended a study management meeting in 2019 that had a specific PPI focus and presentation.
Finally, there were numerous tangible products from the PPI input, the impact of which are outlined below, such as the PPI team conducting service user interviews, producing additional recruitment leaflets, providing interviews for the local press, leading to the BBC film and coverage which significantly enhanced the research impact.

**The Impact of PPI**

(i) **On the research**

The positive impacts of PPI on the research study included the production of new recruitment leaflets and attendance at community team meetings to promote recruitment, the collection and analysis of interview data to explore service user’s experience of SlowMo therapy, and the co-production of the Plain English summary. The leaflet was produced by the team as additional patient-facing information to aid recruitment. It was also used by the PPI team as promotional material, at team presentations, recovery college meetings and other such groups where service users were in attendance. For the qualitative interview study, the PPI team co-produced the focus group topic guide, and together conducted 22 qualitative interviews, all of which were led by either 2 PPI members, or a PPI member supported by a research assistant. The data were analysed in 2 phases. In the first phase, the Sussex PPI team analysed a transcript collaboratively to produce a coding framework and held a series of meetings to reach consensus on initial themes. In the second phase, feedback was obtained through consultation with the London and Oxford PPI teams, and a further set of meetings led to a consensus on the final themes. In terms of study management, the PPI team co-produced regular summaries of PPI input to the steering committee and funding body. Dissemination outputs to date have included the co-produced Plain English summary, as well as a paper on the qualitative sub-study of service user experiences of SlowMo therapy. The PPI paper itself was written by the lead author, in collaboration with PPI members who reviewed and revised the content, and provided the PPI narratives.

The major benefits of the PPI on the trial were that the target recruitment was achieved with support from the PPI team, the qualitative sub-study was co-produced and provided rich data concerning service users experiences of SlowMo therapy, and the Plain English summary of the results was co-produced: PPI members were provided with key method and results sections and were encouraged to write a lay summary in their own words. This was then drafted, shared and final feedback obtained before completion to produce the Plain English Summary. A further impact of the PPI input lay in the emergent outcomes which will be described under wider community impact.

(ii) **On the individual PPI members**

There was a consistent core PPI group of 5 members throughout the whole 3-year study. PPI members worked well together and became more confident in their roles over time. Subjective qualitative
feedback (see Figure 2) revealed that PPI members felt that PPI was well organised. Even though it was daunting and challenging, and involved a lot of travel, overcoming the hurdle of team presentations, and was difficult to think on the spot, PPI members felt well-informed, well-trained and encouraged, and were given time to understand and contribute, such that everyone’s ideas were heard. PPI members reported impacts on their confidence, career aspirations, knowledge, insight and skills to support themselves in their roles. They felt the work was varied, rewarding and empowering. There were no problems identified even though difficult topics were discussed and the PPI input was valued, including by service user participants who appreciated being interviewed by service users who understood them. They felt there was mutual benefit in helping to improve how ideas were executed, and in providing authentic first-hand experience from someone the therapy is aimed at. However, not all PPI members provided subjective feedback, and this was provided by PPI members who were more actively engaged.

(iii) Wider impacts

Importantly, in addition to the expected activities and resulting impacts, there were a variety of linked and ‘emergent’ activities and impacts. At a regional level, one of the PPI members produced an open letter reflecting his positive experiences of PPI membership, and the importance of both PPI and research, alongside front-line NHS work. This letter was used by the regional NHS PPI lead to promote and encourage more service users to take up PPI roles.

The PPI team developed the concept of the ‘SlowMo People’ website/page (See http://slowmotherapy.co.uk/slowmopeople/). Based on the Humans of New York website, it aimed to tell individual stories of how fast thinking can trip you up, and how slowing down for a moment can be helpful. Drawing on both service user and researcher stories, the aim was to normalise the fast thinking style whilst also presenting real-life personal experiences of the impact of slowing down.

Finally, the Sussex PPI lead, team and therapist worked with one PPI member, the NHS communications team and a local newspaper to produce an article about the experience of paranoia and voice hearing, and the positive impact of receiving the SlowMo intervention. This was picked up nationally, resulting in a short film that was aired on prime-time television on the BBC One show in April 2018 (see http://slowmotherapy.co.uk/news-2/). The BBC One show has an audience of 5 million people. Feedback via twitter suggested that the film had a major community value in providing a normalising portrayal, and hopeful outcome for psychosis and voice hearing, both for the general public and for people across the country who are suffering with these experiences. The short film was also subsequently shown to people at the start of the therapy.
Factors that enabled or hindered the process or impact

Enablers to PPI included leadership expertise, localised groups, prioritised meetings, membership stability, individual support plans and genuine willingness of the research team to engage with the PPI process. Challenges included geography, travel, funding, regional PPI co-ordination and wellbeing of the PPI team.

(i) Contextual factors that enabled or hindered the process or impact

The PPI plan was led by the lead author, who has significant experience in co-leading PPI work from the Sussex site which itself has a good PPI track record. The study ran across three sites, and an early decision was made to hold a small PPI group at each site, in order to contribute meaningfully to local recruitment challenges, and enable interview data collection. PPI was also specifically prioritised for collaborative discussion at a small number of study management meetings that were well-planned and co-ordinated in advance to enable PPI attendance.

However, PPI should ideally be led or co-led by peer researchers, and support was subsequently enlisted from Sussex Partnership PPI leads to facilitate delivery. PPI co-ordination was led from one site (Sussex), and not all three sites had equal capacity to co-ordinate local PPI groups, given different staffing and other challenges. In addition, several PPI members struggled with travel. As a result, PPI meetings at one site were less frequent, and preparation and conduct of qualitative interviews was more challenging, with fewer interviews conducted. The study management meetings were in the central site (London) which involved significant time and travel, and again created challenges for some PPI members in attending meetings. There were also variations in PPI members confidence and capacity to use technology to join meetings remotely. As a result, PPI team members input to study management meetings was limited, although it was represented as a standing agenda item at each meeting with written reports from the PPI team or verbal reports provided by the lead author.

(ii) Process factors that enabled or hindered impact

The study team welcomed PPI involvement in the study and responded creatively and flexibly to ideas and challenges as they arose. The PPI team remained relatively stable with 5 PPI members contributing for the entire project. Flexible individual support plans were put in place to enable meaningful contributions from all members despite fluctuations in wellbeing. An agreement was reached to fund costed service user consultants’ time beyond the end of funding for specific dissemination activities.

However, funding was comparatively limited for PPI co-ordination and input at this multi-site level. This may have affected the robustness of data collection for the PPI log, although redistribution of funds across sites based on activity level ameliorated other impacts. There was a potential challenge with respect to the aim for meaningful PPI input to dissemination, as these activities occurred beyond
the funding window. These included the drafting of the Plain English summary, other dissemination materials, the qualitative project publication, website updates and presentation at the stakeholder event. There was variation in attendance at the whole site PPI training and consultation sessions, related to factors such as mental well-being. Finally, there were understandable fluctuations in life circumstances, health and wellbeing of PPI members in all sites, which impacted on participation in meetings and other PPI activities. Three PPI members stopped attending PPI meetings before the end of the study: one after a period of illness; one due to workload on other projects; and a third was not contactable by their original phone number towards the end of the study. A fourth PPI member sadly passed away. Naturally this had a significant impact on the team and was discussed both individually within the local site and as a wider team in the subsequent all-site meeting.

Discussion

How PPI influenced the whole study - The main impacts of PPI within and beyond the SlowMo trial were within the qualitative sub-study and the emergent innovations that were part of the wider community impacts. The qualitative sub-study was a planned part of the research project, which aimed to investigate participants’ experiences of the SlowMo intervention, and associated blended digital approach, including use of the in-session webapp and mobile phone app. This was a strength of the planned PPI input as the sub-study was fully collaborative from the development of the topic guide, to the PPI in collection of all interviews across all 3 sites, to the whole PPI group involvement in the thematic analysis and final summary of results. This sub-study is reported in detail in a separate paper. The contribution of PPI to recruitment of participants in one site was highly impactful and completely opened up responses to the study from some teams where referrals went from zero across two different trials to recruitment of 15-20 people from the same team. PPI was also central to recruitment of excellent research staff, with a PPI member taking an active role on the interview panel. The most significant emergent innovations included the BBC One Show broadcast and SlowMo people webpages, which although consistent with planned dissemination activity, were highly innovative and creative, and went well beyond the initial expectations of producing patient leaflets, lay summaries, presentations, co-produced peer-reviewed journal articles and papers in service user journals.

Limitations of the PPI contribution in the SlowMo study - Overall, the PPI contribution to the SlowMo study was well supported, with clear impacts on the research and wider society, and positive experiences for individual PPI members who felt valued, supported, empowered, rewarded and understood, and that their contributions mattered. PPI members also described personal growth in knowledge, skills and confidence. The PPI in the SlowMo study met 5 of the 6 UK standards for PPI (2020) in being inclusive, working together, supporting learning, employing plain-language communication and evaluating impact. The only standard not explicitly met related to involvement in
research governance, which was less relevant to the specific project. However, whilst many aspects of PPI in the SlowMo study went exceptionally well there were several challenges. The funding requested for PPI was lower than INVOLVE recommendations; there was initially no service user PPI co-lead; and there were challenges to managing PPI across geographies, and sites. In future, it would be valuable to include PPI at managerial levels, and evaluate the impact on recruitment, retention and stigma reduction. Whilst some peer-led suggestions and innovations were adopted, others were only partially taken forward or were not supported due to lack of capacity within the PPI and research teams, or the need to deliver specific a priori trial objectives.

The evaluation of PPI impact in the SlowMo study - There are many advocates of the need to evaluate the impact of PPI in research. Yet, a common criticism of PPI is that it is difficult to demonstrate its unique contribution and added value to a research project. Some studies have evaluated PPI systematically using questionnaires, semi-structured and qualitative interviews repeated longitudinally. However, this approach may in and of itself be couched in empirical research methodology. Indeed, Friesen et al. have argued that involvement is more than might be captured by the singular epistemic focus on research impact.

In the SlowMo study, we planned to evaluate the impact both quantitively in terms of the proportion of PPI recommendations that were adopted of those that were recorded in the log, and qualitatively in terms of subjective feedback and study group document review. The log was relatively well maintained, but due to resourcing issues and challenges of updating across multiple sites it is possible that some more minor entries were omitted. It is also acknowledged that the proportion of recommendations that were adopted is a blunt measure of impact, being dependent on the number and nature of recommendations made and the ease with which they could be achieved. Some recommendations had greater potential impact and value than others, and a future log might consider also the nature and relative weight of recommendations adopted, and the reasons for them not being enacted. Subjective qualitative experiences were limited to PPI members who were more engaged, thus being open to the criticism levied by Petit-Zeman and Locock that perhaps diverse voices were not being heard. The PPI team collaborated on and were heavily involved in, the qualitative sub-study of service user experiences of the SlowMo intervention. This study produced new knowledge in the form of a richer understanding of service user experiences of the trial, the intervention content, the blended therapy approach, service user recommendations to improve the technological experience, and the contribution to outcomes. However, it could be argued that the plan for this sub-study was developed by the research team, and that while the co-production was really strong, the added value of the PPI collaboration could not be fully disentangled.
Perhaps, the clearest and most tangible impacts were not those that emerged from the narrow epistemic focus on enhanced research quality, but those that arose as unique outcomes with added value from the PPI, such as the BBC One Show film and the SlowMo people webpage. There is often limited scope for these emergent community-based impacts within a funded research study, and several other such innovations such as the use of thunderclaps, twibbons and a public facebook page which were also proposed by the PPI team were not taken forward. Whilst a variety of factors affected these decisions, funded research studies may necessarily be forced to limit unanticipated innovation.

**Theoretical-Conceptual developments in the definition of PPI roles** - Traditional PPI roles utilized in SlowMo, included the critical friend model of consultation and the peer researcher model of collaboration. These roles impacted on the design, ethics, and delivery of the research, as well as on participants, researchers, PPI members, organizations and the wider community. However, as highlighted by Friese, PPI should focus not only on the impact of PPI on research knowledge, but on the way in which power and decision-making is shared in the knowledge making process.

We propose that an important and novel role for PPI in research is that of emergent ‘Peer Innovator’. Experience within the SlowMo study and other studies, has identified that an added value of PPI in research is the unexpected, emergent outcomes that arise when a group of enthusiastic service users come together within a collaborative framework linked to a specific study. There is significant potential for impact arising from the freedom and desire to extend this impact to aid service users, and communities beyond the specific pre-designated constraints of the research study. In the current study, there were numerous emergent ideas and outcomes, including the newspaper article and BBC One Show coverage, and the SlowMo people website. By taking these ideas forward, the SlowMo PPI collaboration enabled power sharing in the knowledge making process as recommended by Friese et al. to produce a response to community level ignorance and stigma: the BBC One Show being aired on prime-time UK TV to over 5 million viewers. These ideas have the potential for widespread impact but not all can be supported within a specific research study and budget. A challenge for future PPI in research will be how to ensure cost-effective study delivery whilst providing space and support for Peer Innovation where it emerges. Our PPI team emphasized the opportunities with this role which was seen as ‘fantastic and interesting! The growth of something new and exciting. Getting more PPI to help with input for future products and projects sounds like it would positively impact the mental health sector and service users from all backgrounds/communities

**Future recommendations** - Future projects would benefit from a requirement for a comprehensive PPI plan, alongside the detailed project plan, at the grant application stage, costed with reference to INVOLVE guidance. We propose that a proportion of PPI plan be permitted to be allocated to support emergent peer innovation to allow for the development of important creative products and impacts,
that arise from this PPI collaboration. The enhanced community impact and higher national profile for PPI roles arising from peer innovation might encourage more service users to take up this role. This would in turn create a larger and more diverse pool of peer researchers from which PPI leads would emerge. PPI members should include a representative balance of gender, ethnicities and engagement experience. To harness creativity and ensure diversity of representation will require increased flexibility of opportunities for engagement and proactive outreach.

References


Table 1: Log of Involvement recommendations and outcomes.

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Site</th>
<th>Sussex</th>
<th>Oxford</th>
<th>London</th>
<th>Total (% acted on)</th>
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</thead>
<tbody>
<tr>
<td>Recommendation regarding recruitment</td>
<td></td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>16 (81%)*</td>
</tr>
<tr>
<td>Acted on</td>
<td></td>
<td>7</td>
<td>2</td>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>Recommendations regarding interviews</td>
<td></td>
<td>9</td>
<td>4</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>Acted on</td>
<td></td>
<td>9</td>
<td>3</td>
<td>4</td>
<td>16 (94%)*</td>
</tr>
<tr>
<td>Recommendations for dissemination</td>
<td></td>
<td>13</td>
<td>0</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>Acted on</td>
<td></td>
<td>8</td>
<td>0</td>
<td>2 (2 uncertain)</td>
<td>10 (59%)*</td>
</tr>
<tr>
<td>Emergent Novel Recommendations</td>
<td></td>
<td>12</td>
<td>3</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>Acted on</td>
<td></td>
<td>9</td>
<td>0 (1 uncertain)</td>
<td>0</td>
<td>9 (60%)*</td>
</tr>
<tr>
<td>Organisational Recommendations</td>
<td></td>
<td>37</td>
<td>2</td>
<td>3</td>
<td>42</td>
</tr>
<tr>
<td>Acted on</td>
<td></td>
<td>35</td>
<td>1 (1 uncertain)</td>
<td>3</td>
<td>39 (93%)*</td>
</tr>
</tbody>
</table>

1 Dissemination included social media dissemination, PPI reports and testimonials to team meetings, conference presentations, book chapters, contributions to the website and Plain English summary

2 Emergent novel recommendations included SlowMo people webpage; service user interview, video and BBC One Show film; Letter regarding the importance of PPI; Publication on PPI impact in SlowMo.

* Recommendations not acted on included – a) in Recruitment - recruitment via NSUN (National Survivor User Network); presentations to peer support groups; use of SlowMo hashtags on twitter for wider recruitment. b) Interviews - interviews conducted also in TAU arm. c) Dissemination – use of Twibbons; thunderclaps on twitter; a SlowMo facebook site; a mission statement on the SlowMo website page; a twitter session by PPI team; an evaluation of the long term effects on social media of the BBC One Show; written research assistant feedback about their own experience of working with PPI team. d) Emergent recommendations – to monitor outcomes for people who had completed a related study; training of additional therapist so SlowMo could continue in a site when the trial stopped (although this is part of the next implementation phase); the establishment of peer support such as a SlowMo recovery college after the end of therapy; professional photos and stories from the public for the SlowMo people website; and a function whereby members of the public could submit their stories to the SlowMo people website. e) organisational – PPI members to join central study meetings remotely via skype.