Embedding patient and public involvement in dementia research: Reflections from experiences during the ‘Journeying through Dementia’ randomised controlled trial

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Abstract

Background
The involvement of people with a diagnosis of dementia in patient and public involvement and engagement (PPIE) in research is an emerging field in the delivery of studies. Researchers need to be enabled to understand and use the learning derived from various projects so that this growing body of knowledge can be applied in future research.

Objective
Our objectives were to embed PPIE throughout a randomised controlled trial of a psychosocial intervention called Journeying through Dementia. In this paper we identify and discuss the approaches to involvement that worked well and those where improvements or changes were indicated.

Design
The Guidance for Reporting Involvement of Patients and the Public Short Form (GRIPP2-SF) is used to describe and critically appraise the approaches taken and the impact of PPIE involvement upon study processes, the study team and those people with dementia and carers who acted as advisors as well as those who were consumers of the research.

Results
The involvement of people with a diagnosis of dementia and carers as study advisors improved the accessibility and relevance of the research for people living with dementia. It also highlighted issues that researchers may have otherwise overlooked. Successful engagement of people with dementia and carers in the study was associated with staff skills and scaffolding as well as participants’ memory and cognitive capacity. However, embedding robust and meaningful involvement processes required significant time and resources.

Discussion
We propose that certain research processes need to be adapted to be accessible for people living with cognitive impairment. Recruitment of PPIE advisors needs to reflect population diversity; thereby contributing towards greater parity of voice between people with lived experience of dementia and researchers, increase the impact of PPIE in research and improve the experience for those who volunteer to be PPIE advisors.

Key words: patient and public involvement and engagement, dementia, research
Background

Funders, such as the National Institute for Health Research (NIHR) emphasise the value of patient and public involvement and engagement (PPIE) in the development, delivery and dissemination of research and demand that all studies evidence this. Moreover, it is increasingly necessary to fully describe PPIE in published research outputs using reporting tools such as the GRIPP2. Integrity, quality, impact and relevance are just some of the benefits identified through involving those with lived experience. PPIE is therefore considered integral to good research design. Guidance now exists on best practice to facilitate PPIE in the design and conduct of research including for people living with dementia.

However, it has been noted that undertaking meaningful PPIE can be challenging for both researchers and volunteers, for example those with lived experience may question researcher preferences or decisions. The power imbalance that can exist within healthcare and research contexts can result in service users being rendered unable to influence research design, implementation and outcome. Therefore approaches to public involvement need to be relevant, accessible and support meaningful engagement. When working with people living with dementia this may involve managing individual expectations of cognitive capacity, including those of the researcher, whilst also empowering and valuing the voice of lived experience. Alzheimer Europe’s position on PPIE is one of inclusivity, and encouraging engagement such as identifying research priorities, interpretation of research findings and dissemination. Identifying and applying methods of PPIE that are acceptable and understandable to people living with dementia, both those living with a diagnosis of dementia and their family carers, is therefore vital to improve the depth, delivery and utility of dementia research.

Journeying through Dementia (JtD) is a psychosocial intervention designed for those diagnosed with mild dementia. It aims to equip individuals with the knowledge, skills and understanding to be able to self-manage and maintain independence and meaningful participation, thereby improving mastery, wellbeing and life satisfaction. PPIE was embedded throughout the entire JtD research programme from inception and design of the intervention, through to feasibility testing and the definitive randomised controlled trial (RCT) involving 480 people with a diagnosis of dementia and 350 supporters. This paper describes our experience of PPIE in the JtD randomised controlled trial. Through reporting our experiences, we aim to highlight when and how PPIE strengthened our research and also the challenges we encountered whilst endeavouring to deliver meaningful approaches towards PPIE.
Methods

The GRIPP2 short form (SF) format for reporting involvement of patients and the public is used to report and critically reflect upon the PPIE processes and outcomes.

Establishing and facilitating PPIE in the trial

Our approach to PPIE, was informed by NIHR INVOLVE guidelines, the Dementia Engagement and Empowerment (DEEP) project, the work of the Scottish Dementia Working Group, and the experiences of study team members. Our aims were to:

- Create opportunities for meaningful involvement of people living with dementia and family carers in the design and delivery of the study and in the dissemination of results.
- Increase the relevance and accessibility of the research to people living with dementia and other members of the public.
- Create relevant, accessible and useful outputs from the study for people affected by dementia.

To support the aims of PPIE engagement in the trial the research team agreed and upheld a number of ‘guiding principles’ to inform the planning and execution of involvement activities, see Box 1.

Box 1: Guiding principles for PPIE involvement in the JtD trial

- All PPIE advisors compensated for their time in line with NIHR INVOLVE guidance.
- A ‘you said, we did’ approach regarding how advice was used and taken forward.
- Use of best practice accessibility guidance e.g. avoidance of jargon, acronyms and academic language.
- Meeting venues selected in consultation with PPIE to ensure accessibility e.g. layout, transport, low noise levels. Provision of wayfinding advice to venues e.g. maps and instructions. Taxis provided if required while at the same time being mindful of offering support rather than becoming paternalistic.
- Inclusion of regular breaks during meetings as well as time and space to engage and respond to materials or discussion topics.
- Venue preparation to ensure a dementia friendly layout, provide additional signage and ‘meet and greet’ to help direct people.
- Use of aid memoirs in all encounters with PPIE advisors e.g. flipcharts posted up in meeting rooms to remind members of the aims of the study and of the specific meeting, provision of verbal or written updates on study progress.
- For all PPIE meetings content limited to one item per meeting e.g. input to documentation, dissemination activity.
- For Trial Steering Committee meetings, papers sent in hard copy well ahead of the meeting with highlighted sections for specific consideration.
For any study it is essential that appropriate funding is allocated to PPIE activity for reimbursement or payment of time as well as for associated costs such as travel or equipment. At the outset a budget was identified for PPIE for the JtD trial although this needed to be increased over time as additional activities were identified.

Applying an appropriate level of expertise towards PPIE engagement is also known to be essential. A researcher, with previous experience of facilitating engagement of people living with dementia in research, was responsible for identifying PPIE activities and co-ordinating involvement.

All PPIE activities, records of discussions, the advice given to researchers and how it was subsequently used was recorded on a PPIE activity log. This approach allowed us to continually review the impact of advice of PPIE upon the overall trial and provide transparency and accountability.

**PPIE in trial oversight and operationalisation**

The involvement of people living with dementia was rooted strategically and operationally in JtD trial governance and processes. It was embedded in trial oversight through PPIE membership of our Study Advisory Group and of the independent Trial Steering Committee (TSC) as well as being included as a standing agenda item for the Trial Management Group (TMG). As it is important to provide a bridge between PPIE and researchers, a cycle of identifying activities, discussion, reporting and taking action was established between the TSC and TMG oversight committees and PPIE advisors as illustrated in figure one, see figure 1.

![PPIE cycle of discussion, implementation, and feedback](image-url)
Recruitment of volunteers for membership of the TSC proved challenging. One person living with dementia, who was already active in research and known to the Trial Steering Committee members through existing research networks, was approached to join the Committee ahead of the inaugural meeting and remained a member throughout the four-year trial, attending every meeting. Although the initial intention had been to involve two PPI members to provide cover and co-support, and spread the workload, we failed to identify a second PPI member. This may have been due to the four year time commitment, or perceptions of the necessary confidence and skills for this more formal role.

We decided to recruit a PPIE advisory group to provide advice and guidance to the TMG throughout, thereby ensuring that our approach remained relevant and accessible to people living with dementia from recruitment to dissemination. Recruitment to the PPIE study advisory group was through the existing University of Bradford ‘Experts by Experience’ cohort of people with a diagnosis of dementia and carers who volunteer to be involved in research and education. We recruited individuals who were new to the cohort as well as long-standing members who may have had previous involvement in research. Consequently, some PPIE members had a deeper understanding of research than others. Initially the PPIE lead, and a second member of the research team conducted individual consultations with potential volunteers to explain the trial and what their involvement in the advisory group would entail. They emphasised to each potential volunteer that they could engage in as much or as little as they chose and that involvement in just one event would be valuable. Although interest in joining the group was high, with 10 applicants for the first meeting in July 2017, attendance was initially poor (three people) due to a clash with another meeting held by a local dementia support group. However, the advisory group continued to meet between July 2017 and October 2019 and numbers increased to 12. Several people with dementia attended with a spouse or another family member but others attended alone. Some changes in membership took place due to a change in commitments, through illness, and progression of dementia. The group were predominantly white and therefore did not reflect diversity and the experience of dementia by other ethnicities or social groups.
Supporting PPIE involvement

Trial Steering Committee

The role of any TSC is to provide study supervision, monitor conduct and progress and ensure that the safety and well-being of study participants are upheld. The TSC for the JtD trial met twice yearly and involved members from clinical, academic and PPIE backgrounds.

To ensure that our PPIE member was fully informed a significant amount of time was taken by the TSC Chair and/or Trial Manager prior to each meeting to talk through any associated paperwork or preparatory materials. During meetings, the PPIE member sat adjacent to the Chair to facilitate communications. The responsibilities of the Chair were to ensure that the PPIE member understood all discussions throughout, including limiting the use of acronyms and overly technical language by all members and providing time for the PPIE member to consider and respond to an agenda item or question. With these adjustments in place the PPIE member was able to provide unique insights from the perspective of someone living with dementia and made significant contributions in key areas and documented her experiences of being involved in the trial as an adviser in her blog ‘Which me am I today?’ [link]. The following quotes illustrate their contribution and participation in the TSC.

“Many of the [meeting] papers were way beyond me but [name] had put a friendly post-it on each one telling me what each paper was about – wonderful idea. Definitely worth a brownie point.” TSC PPIE member

“I raised the question of the reality of relying on our [participants with dementia] answers in follow-ups. And that raised a whole issue of current practices. I said that even if it shows how the current practices need to be revisited, that’s a good outcome. I said revisits 8 months after an event and asking us to recollect is a tad adventurous. We don’t like to feel embarrassed at not remembering so may make things up so we don’t look stupid….or we simply give an answer that comes to mind today.” TSC PPIE member

Advisory group

The operational management of the trial was overseen by the Trial Management Group (TMG) who agreed that embedding high quality PPIE into protocol development and trial processes throughout was a priority. The PPIE lead for the trial (CM) and coordinator of the PPIE advisory group was a member of the TMG and PPIE was a standing-item on every TMG agenda.

Activities where the TMG requested specific input from PPIE advisors included:
1. the design of participant newsletters which were originally designed in newspaper column
   format but were changed to a cross page format which our advisory group reported as being
easier for people living with dementia to read.

2. the content of a study proforma completed by facilitators and sent to study participants,
   summarising the group or individual sessions as part of the intervention. With consultation
   identified that the content needed to be personalised by adding the participants name and
   that the overall language used should be simplified using less research terminology.

3. the content, deliverability and impact of burden of our qualitative interview schedule.
   Advisor feedback proposed that the language and wording should be more concrete for
   study participants to engage with and that to scaffold recall during the interview researchers
   should use prompts about what had taken place during intervention sessions. Consequently,
   the researchers asked shorter more direct questions for clarity and understanding; and
   referred to activities the participant took part in to prompt recall.

To ensure that the PPIE advisory group felt supported and integrated into the study team we
employed several methods. Firstly, we used our guiding principles to support set-up and
engagement of the group, see Box 1. One to one discussion was offered and taken up by some
individuals instead of participation in a group or to aid their decision to join the group. When an
advisory group had been assembled, we asked members about their preferences for involvement
including how they would like to be communicated with throughout the study, the length and
duration of meetings and meeting venues. All members did subsequently take part in the group but
some people with dementia needed support from their carer to achieve this. In addition, brief verbal
and written reminders were provided at every advisory group meeting to reiterate the purpose of
the study and what taking part entailed. A welcoming and informal structure was maintained to
encourage active participation. At the start and end of each meeting time was scheduled for
refreshments, creating opportunities for PPIE advisors to enjoy a group atmosphere, and share more
personal experiences and coping strategies whilst at the same time advising the study. Members
expressed that participating had made them feel useful and saw their contribution as helping other
people living with dementia, one carer said:

“[Person with dementia] and I enjoyed the meeting….to discuss
Journeying through Dementia. We both like to feel that we can contribute in some small way
to make life as easy as possible for people with dementia”. Family carer 2
To promote inclusivity, support group dynamics and maintain active interest in the study all members were invited to be involved in every activity. On most occasions all members attended, reflecting the overall interest the study generated and the possible benefits people were deriving from taking part. For larger groups however, it was challenging to ensure that the voices of all members were heard. PPIE advisors with a diagnosis of dementia could need additional time to process discussions and respond accordingly. This could lead to another person (often their carer), speaking before them or on their behalf. We therefore used techniques such as turn-taking and signalling using purpose made cards or simply a ‘hands-up’ gesture to try and avoid this.

Dementia friendly, accessible venues in familiar city centre locations were identified by the group in preference to university campus settings which were deemed too busy and confusing. Use of community venues proved positive and some advisory group members reported that they had engaged in an activity in or near such venues following meetings such as shopping or going for lunch. Whether this was simply opportunistic or attending the advisory group resulted in greater confidence to do more activity is unclear.

Trial delivery and data collection

Our PPIE group advisors’ and TSC PPIE member’s views and ideas on participant retention during the lifetime of the study were invaluable. For the trial we were collecting outcome data for up to 12 months after recruitment from all participants whether they had attended the intervention or been randomised to treatment as usual. Recommendations that were actioned included:

- emphasising the value of contributions from all participants whether they received the intervention or not in the participant newsletter.
- booking follow-up researcher visits in advance as part of their first visit with a participant. This would mean that all follow-up visits would be in the diary and a confirmation would just be needed nearer the time of the follow-up.
- sending a reminder card (rather than letter or sheet) before attending follow-up appointments. PPIE members proposed that a card would be brighter and more visually appealing to participants thereby reducing the anxiety that a formal letter may provoke.
- including a photo of, and a personal message from, the researcher doing the follow-up.
- communicating with carers about the importance of the person with dementia’s participation in the study.
**Data analysis**

Advisory group members used their personal experiences of living with dementia to assist the researchers to understand and interpret our qualitative data. Their contributions informed the final analysis of interview data as described in Sprange et al (2021). Advisory group members were approached to participate in two half day validation workshops to discuss and reflect upon researcher interpretations of anonymised data from qualitative interviews conducted with participants and their carers. We had to obtain consent from each participant at the outset and identified appropriate researcher resource to do this in a relaxed manner. However, late arrivals to the workshop questioned how this is best achieved.

Selected quotations from the interview data representative of the themes identified in the framework were presented as raw data, i.e. without coding or categorisation. These were presented for discussion one at a time alongside some descriptive and contextual detail to aid understanding. For example, the voice being heard i.e. participant or carer and what the person was talking about i.e. an element of the intervention or the facilitators etc. Consideration was given to how to present each quote to the group in a dementia friendly format to aid understanding. This included use of large font size, colour of paper, amount of text per quotation and printing one copy per person. By using ongoing validation observation techniques such as listening and reflecting to gauge understanding and interest in the activity during the workshops the researchers were able to support participation.

The levels of impairment experienced by participants were varied which made pitching the task correctly and maintaining the engagement of everyone a challenge for researchers. During our first workshop the level of direction provided by researchers was therefore relatively high. As this was a novel approach to PPIE in dementia research there was some concern expressed by the researchers of not wanting to overwhelm the group. Therefore, different approaches were needed to engage and support those with more severe memory issues e.g. giving adequate time for the group to read and re-read quotation as well as presenting quotation in both written and verbal formats (facilitator read aloud the quotation). The facilitator also started with an open-ended question such as “what do you think this person is saying/feeling?”, but this may have been followed up with a more structured question to aid contribution for example focussing on an interesting word or phrase in the quotation to initiate discussion. For those more cognitively able and carers who took part there was enthusiasm and great interest in the research and being part of the interpretation of findings. Those
less cognitively able appeared to enjoy the social occasion but it was less clear whether they had
been able to engage with all the materials.

Whether to provide participant training for this activity was debated amongst the research team.
Some considered that training would be helpful to guide and support engagement in the activity19,
whereas others felt that memory and retention of training prior to the activity may be challenging
and therefore could cause frustration or distress. We chose not to undertake a separate training
session prior to the workshops but instead we took time at the start of each session (after consent
was taken) to summarise the study and the activity. We included a practice example which we
worked through together in which the researcher could prompt the group on items we were looking
for feedback such as language used or tone of the quotation. In addition we also provided visual aids
in the form of flip charts bullet pointing the key facts of the trial to scaffold memory6.

To support engagement we provided props such as ‘I want to speak please’ cards6 as a
communication aid to indicate when a person wanted to speak. However, we found in our
experience that these cards were not used. Potential reasons were that firstly, the group were not
used to using these props and therefore it was no habit to do so, and secondly this was a very close
knit and well-established group where carers as well as the more cognitively able members already
felt comfortable speaking with each other and enabling each other to participate. This was less
evident for those members with more severe dementia.

Dissemination activity
Advisory group members were consulted on the format and content of both hard copy and online
versions of a lay summary of study results. These documents were intended for a wide readership
including people living with dementia who had taken part in the trial, members of the public and
health and social care professionals. PPIE feedback led to the inclusion of information about
organisations that can support people living with dementia and information about how the results
might be used to inform healthcare and future research. The group also helped us design and
produce a satisfaction questionnaire to obtain feedback regarding the presentation and
comprehensibility of the summary findings. This was considered important if are findings were to be
accessible and relevant to people living with dementia and those who care for them as well as for
the lay public, clinicians and academics.
Our final trial dissemination event for all comers was held in a central public venue with invitees including researchers who had been associated with the study, people living with dementia, members of the public and health and social care professionals. Advisory group members suggested the need for a speaker protocol to encourage presenters to make their session accessible for people living with dementia including means by which those attending might interact with speakers. As a consequence, all speakers were provided with a protocol and large cards were made available at the venue that stated “I don’t understand”, “I want to ask a question” and “Please speak more slowly” which delegates did use.

PPIE advisors also recommended that study team members wore brightly coloured sashes that identified them as ‘helpers’ and suggested they should be situated at the main public transport hubs where people attending the event might arrive and at the venue entrance. A member of the advisory group, a former carer also volunteered to co-host the event reception desk with a member of the study team. At a previous meeting, advisory group members had been invited to speak about their experiences of being involved in research, but none accepted. Two advisory group members with a diagnosis of dementia were involved in making a video to demonstrate the intervention as part of a study dissemination film (https://www.bradford.ac.uk/dementia/research/journeying-through-dementia/) which was viewed at the event.

**Discussion**

We achieved involvement in all stages of this large randomised controlled trial at a time when this level of engagement of people with a dementia diagnosis was not established practice. Importantly the voice of people living with dementia and their carers was heard first-hand and acted upon, which is acknowledged as being essential⁴. However, we also found that meaningful involvement could be challenging at times and our aspirations could not always be met, particularly given that PPIE described here was for a trial with necessary study processes.

During both PPIE recruitment and involvement activities we found that the informed consent process could easily disempower people, including those with the capacity to consent. The process was time consuming and burdensome for some people with a diagnosis of dementia who found it confusing to have to agree to numerous statements. It is important that people living with dementia feel empowered to make decisions for themselves when consenting²⁴. We therefore suggest that using a simplified consent form, co-produced with people living with dementia, would minimise unnecessary participant burden whilst complying with research governance requirements. At the
outset of this trial, researchers aspired to create and test methods of video consent for potential trials participants, but it was quickly realised that this could not be achieved within the resource constraints of the study.

Having reliable methods in place to encourage and capture the impact of involvement activities was greatly facilitated by having a designated PPIE lead and researchers within the study team who were both knowledgeable and supportive of PPIE. Our experiences underscore the need for researchers to have expertise in working with people living with dementia or that the requisite training and support is provided so that they always take a sensitive and considered approach, enabling involvement in an informed and nuanced manner. The more we undertake research involving people living with dementia as PPIE advisors or co-researchers the more we learn to pave the way for models of successful participation in research.

PPIE advisory group members were recruited from existing PPIE cohorts and networks. Whilst this approach perhaps led to a more relaxed exchange of ideas between researchers and PPIE advisors, it created limitations in terms of diversity. Almost all our PPIE advisors were White British. Also, some members were living with more advanced stages of dementia which did not reflect the population of study participants. As the membership of the PPIE advisory group evolved, people living in earlier stages of dementia, including some who lived alone joined the group. How to ensure the involvement of the range of people who represent any one group remains a challenge and in common with overall recruitment to dementia studies, achieving diversity is difficult. We recommend that to reflect the study population, early liaison, during the design phase of research, with representatives from relevant community organisations might gain support, both for participant recruitment and for recruitment of PPIE representatives. This may in turn increase interest in research from underrepresented groups.

It may require time for participants living with dementia to feel participation in research is meaningful. Feeling useful and being able to help others is important to people living with dementia but it is important to consider what might be other motivations and needs of people acting as PPIE advisors to research. We found that members who had recently received their diagnosis sought personal support and specific advice from the group and from researchers regarding their recent diagnosis and what this meant for their future. Those supporting PPIE therefore need to understand the boundaries between research, clinical advice and personal support and be prepared to respond by signposting individuals to appropriate services.
members can feel the need to protect people living with dementia, which can lead to a form of
gatekeeping, taking decisions on behalf of the person with dementia\textsuperscript{11}. During this study we found
that some carers spoke on behalf of their spouse on occasion. Researchers were aware of the need
to listen to the voice of the person with dementia\textsuperscript{13} and study team members explored ways of
achieving this for example ‘turn taking’ and using smaller discussion groups. It has also been
observed that offering guidance to carers on how to enable the people they support to be involved
in PPIE activities may be beneficial and make the carer feel valued\textsuperscript{13}.

Involvement in the TSC for this study did not meet agreed best practice\textsuperscript{22} in that only one person
with a diagnosis of dementia was recruited to the committee. The arrangement was considered to
work well due to the skills and previous experience of the PPIE representative but having two
members to take account of absence and meet needs for peer support is recommended. Being a TSC
PPIE member creates different demands for the PPIE advisory group member due to the time lag
between meetings and the necessary independence of the TSC which aids objectivity but also
creates distance from the study. This can affect ability of all PPIE members to retain knowledge and
understanding of the trial, but particularly if the person is living with memory issues. Therefore,
approaches to scaffold memory and recall are helpful and should be provided as we identified during
this study.

In accord with best practice\textsuperscript{28-30}, providing opportunities to share experiences and coping strategies
whilst at the same time advising on the study proved important. Additionally, we found that hosting
advisory group meetings in a community setting could provide social opportunities that might not
have occurred otherwise. Most of our PPIE advisors were, or had recently been, involved in other
research studies which perhaps created an understanding of research, and familiarity with other
PPIE advisors, that was helpful to enable them to participate.

Our experiences have confirmed that PPIE approaches and processes need to be established early on
to have greatest effect upon the design and implementation of a study. The time taken to establish
the advisory group meant that some decisions which would have benefited from PPIE input were
initially taken in the absence of consultation, e.g. the format and presentation of newsletters sent to
study participants which was subsequently changed following recommendations from the advisory
group.
Questions remain about how to achieve maximum involvement in research outputs such as presentations and publications. The optimum time to engage people living with cognitive impairment in recording their experiences and input needs careful consideration. However, when working with people living with cognitive impairment (as some of our PPIE advisors were) the convention of writing most outputs at the end of a study can limit the participation of PPIE advisors as it relies on recall. Indeed, in the preparation of this paper for publication we left writing up towards the end of the trial and the PPIE advisor approached to contribute felt they could not recall their involvement sufficiently to directly contribute, thus creating disparity between the voice of the researchers and the voice of people living with dementia. We therefore propose assisting PPIE advisors to record their experiences at the time might result in authentic publication.

Involving people living with dementia in the analysis of data can improve the quality of research, and if done well can be a satisfying experience for PPIE advisors. The importance of providing PPIE members with appropriate training and support for this and for other aspects of the role is indisputable but questions remain about how this can be achieved to best effect when involving people living with dementia. More specifically; for people with a diagnosis of dementia when does PPIE involvement become too much of a challenge and who decides; and secondly how can needs for training and support be most effectively met.

Conclusion

We posit that we could improve engagement of people living with dementia in research through increasing diversity and adjusting research processes to be more accessible. This in turn would create parity of voice between people with lived experience and researchers and increase the impact of meaningful PPIE in research whilst improving the experience for PPIE advisors. Many aspects of our approach to involving people living with dementia were effective in that members of the advisory group reported their involvement as enjoyable, sociable and satisfying. Regular review of the purpose and approach to PPIE on any study is necessary and can improve the experience for PPIE members.

Declarations

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Author contributions
CM led PPIE recruitment and co-ordination supported by GM, JW, CC and JBD. LB provided advice and guidance on PPIE involvement in qualitative analysis. WM was the TSC PPIE Member. KS and JBD lead the qualitative analysis workshops. GM, KS and JBD developed the manuscript. All authors reviewed and approved the final manuscript.

Ethical approval and consent to participate
Ethical approval was obtained in July 2016 (ref no. 16/YH/0238) from the United Kingdom National Health Service Research Ethics. United Kingdom Health Research Authority approval was given (IRAS reference 199383) in August 2016.
We obtained written informed consent for the participants who took part in the qualitative analysis workshops via a Consent Form. This information is held as part of the archived record of the trial. Only anonymised nonidentifiable data are used in this report as per written consent.

**Availability of data and material**

The datasets generated and analysed for this study will be available upon request from the corresponding author.

**Competing interests**

Clare Craig is the author of the Journeying through Dementia manual. All other authors declare no competing interests.
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