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Comparing psychiatric care experiences shared online with validated questionnaires; do they include the same content?

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Abstract

Patient feedback is considered integral to patient safety and quality of care. However, limited research has compared the content of validated questionnaires with subjective patient experiences shared online. The aim of this study was to therefore identify and compare the content of psychiatric care experiences shared online with validated questionnaires. All research was conducted in co-production with a volunteer mental-health-patient-research-partner. We analysed all reviews published on the United Kingdom's leading health and social care feedback platform Care Opinion, between 2005-2017 that discussed adult psychiatric care and compared findings with two validated questionnaires (ACP360 and General Medical Council patient feedback questionnaire). Our research findings show that patients describe some different measures of psychiatric care quality online and use different terminology to those used in validated questionnaires. Psychiatric care was also rarely discussed in relation to an individual psychiatrist alone. Multiple interactions affect patient experience and perceived care quality. Further work is needed to incorporate patient perceptions and terminology of care quality into patient feedback questionnaires and surveys. This may best be achieved through co-design although exploration of this approach is required. The current focus of patient feedback in revalidation is of limited value as patients do not typically disaggregate the care provided by an individual clinician from the wider healthcare team, system or environment. Although focused on psychiatry, research findings have clear implications for those looking to facilitate quality improvement and professional development.

Keywords

Patient feedback, patient experience, quality improvement, psychiatry, patient safety, Care Opinion

Introduction

Patient experience, defined as the specific experience of individuals,¹ is considered integral to patient safety, quality improvement and clinical effectiveness.²⁻⁴ Following the increasing interest internationally in patient centred care,⁵ patient feedback, a method often used to explore individual experiences, is increasingly becoming a mandatory requirement in regulatory processes such as medical revalidation.⁶ However, questions have been raised about the acceptability, value and relevance of existing feedback questionnaires.⁷⁻⁸ Unanswered questions that remain fundamental to the development and evaluation of feedback tools include whether: (i) existing questionnaires ask the right questions in the right way, and (ii) whether their content covers care quality domains considered important from a patient perspective.⁹⁻¹¹

Revalidation is a regulatory process in the United Kingdom (UK) designed to ensure all doctors are both up to date and fit to practise.⁶ During the course of each

revalidation cycle (typically five years), doctors must collect six types of supporting information,¹² including patient feedback collected through 'validated' questionnaires from a pre-determined number of patient respondents to ensure a valid response.¹² However, despite their growing use internationally,⁹⁻¹³ healthcare review websites such as RateMDs and Care Opinion (UK) are not currently accepted by the General Medical Council (GMC) as a valid form of patient feedback. Only patient feedback that has been collected through a validated questionnaire is considered appropriate for revalidation purposes.¹²

However, a recent review led by Pearson questions the value and effectiveness of these validated questionnaires.¹⁴ For example, Sir Keith Pearson states that he remains "unconvinced that a set of questionnaires, often collected on a single day...provides sufficient quality and breadth of information to enable a doctor to reflect properly on their patient interactions."¹⁴ Similar challenges were also raised in an independent evaluation of revalidation where the research team concluded that while one of the most helpful types of supporting information in

informing reflective practice, patient feedback was also one of the most problematic types of information to obtain.⁷ Furthermore, underpinned by this emerging body of work, the Academy of Medical Royal Colleges acknowledges substantial “*difficulties with the distribution, collection, analysis and reporting*”¹⁵ of patient feedback, calling for opportunities provided by technology and “*web based platforms that already collect patient feedback*” to be harnessed.¹⁴
¹⁵

There is therefore increasing attention on the possibility of incorporating patient feedback shared online into regulatory processes. It is important to ensure the tools used to collect patient feedback are effective, as patient feedback has been shown to have an effect on clinical effectiveness, patient safety, health outcomes, treatment adherence, and resource expenditure.^{2 16} There are therefore strong policy and practical drivers to critically consider the tools currently used to collect patient feedback and any differences between them.

This research develops the existing understanding by comparing the content of healthcare experiences shared online, with the content used in two validated feedback questionnaires. Our study focuses on psychiatric care due to the acknowledged exclusion, or under-representation of mental health patients in patient feedback opportunities, research and reporting¹⁸ and reported difficulties faced by psychiatrists including concerns that “*patients with psychiatric or personality disorders could leave factually incorrect or malicious comments about them [practitioners] and harm their reputation*”;¹⁷ Patient feedback tools have also typically been designed from a professional perspective only, with limited attention paid to what constitutes quality psychiatric care from a patient perspective.¹⁹ Critical exploration of the belief that online feedback is only used by disgruntled patients is also severely limited.¹⁷

We ask the following three research questions: i) who do patients talk about when describing their psychiatric healthcare experiences online?; ii) what content do patients share online about their psychiatric healthcare experiences? And iii) how does this compare, if at all, to the content used in existing feedback questionnaires?

We compare the content shared on the UK’s leading health and social care review website, Care Opinion, with two validated questionnaires provided by the GMC and Royal College of Psychiatrists. It is hoped that by exploring, and comparing healthcare experiences shared online with existing questionnaire content, a more nuanced understanding of how patients describe, and attribute value to their healthcare experiences can be developed.

Methods

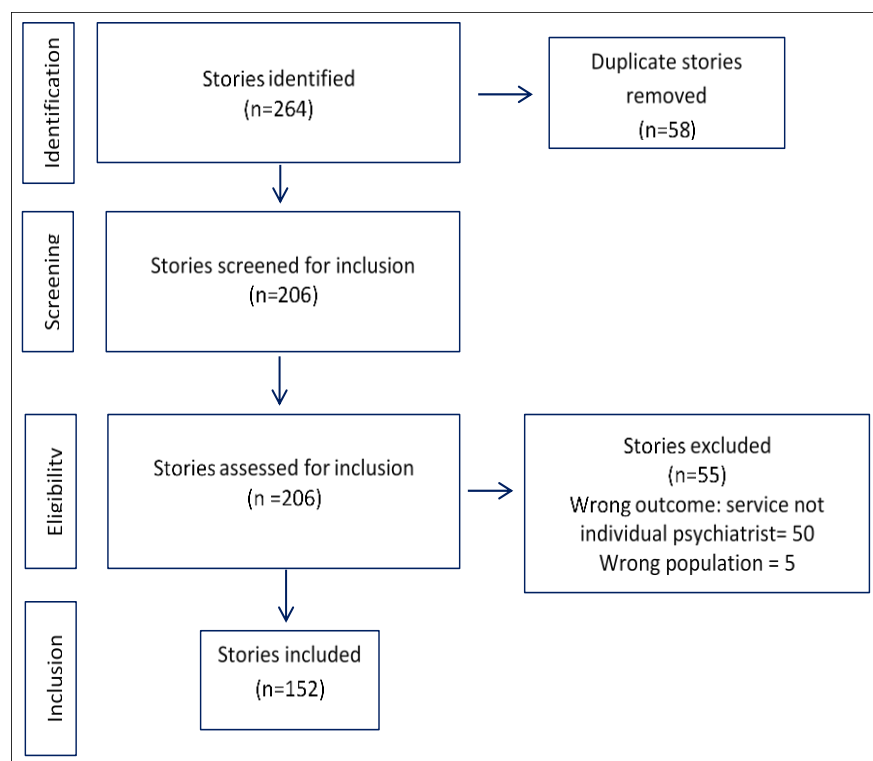
We used a qualitative observational design, designed in co-production with a volunteer mental health patient research partner with personal experience of psychiatric care. We aimed to i) identify who patients describe in psychiatric healthcare experiences; ii) what patients share online about their psychiatric healthcare experiences and iii) this compares with the content of two validated questionnaires currently used in medical revalidation. Similar to previous research,⁵ Care Opinion was selected as the database for this research as it is one of the largest non-profit health and social care review websites in England, publicly shares all moderated stories in near real time, and has facilities to support systematic searches for research purposes. The focus on a single website such as TripAdvisor, which Care Opinion shares some similar functions with, has been used in other published research studies.^{20 21} We do however acknowledge the limitations of looking at a single, yet extensive database. Agreed principles of patient and public involvement were followed to ensure meaningful involvement throughout the research process.²²

Search strategy

All mental health related stories published on the website Care Opinion, from its inception in 2005 to the 12th June 2017, were identified using the search terms: “mental health” OR “mental illness” OR “mentally ill” OR mental OR pnd OR psychiatric OR psychiatrist OR psychiatry OR depression OR depressed OR anorexia OR anxiety OR “eating disorder” OR psychosis OR psychotic OR PTSD OR “self-harm” OR bipolar. To ensure relevance, searches were restricted to those tagged by Care Opinion moderators as related to: adult mental illness, addiction services, clinical psychology, eating disorders, forensic psychiatry, old age psychiatry, liaison psychiatry, psychiatric intensive care, primary care mental health, refugee and asylum seeker health, crisis resolution, perinatal psychiatry or Psychotherapy. To maximise sensitivity and specificity search terms were designed using the PRESS initiative,²³ in collaboration with the CEO of Care Opinion and volunteer mental health patient research partner.

Inclusion and exclusion criteria

Stories that discussed psychiatric care delivered in part, or in full, by an individual psychiatrist were included. Stories that did not refer to an individual psychiatrist were excluded due to the pre-defined scope of our study. In addition to an individual psychiatrist, some stories may have also referred to other healthcare professionals, the environment or other healthcare services. However, each story must have included reference to an individual

Figure 1. Story inclusion and exclusion process

psychiatrist in order to be included. Stories about child psychiatric care or Alzheimer's/Dementia were excluded as quality of care is likely to differ in these contexts that go beyond the remit of this research. Examples of exclusion decisions made included being anxious about the removal of a tooth or hip operation that did not require psychiatric attention.

Data selection

Stories were selected for inclusion using a two-stage process. Firstly, one reviewer screened all identified stories using a piloted inclusion criteria form to ensure story inclusion/exclusion standardisation. To enhance reliability, 20% (n=32) of identified stories were also screened by the patient research partner. Secondly, following their initial screening, potentially eligible stories were reviewed again for full inclusion. Figure 1 shows the inclusion and exclusion decisions made.

Data extraction

A piloted data extraction form was used to extract information about story submission and publication date, author status, name of organisation involved, story content, and other healthcare professionals, services or environments referred to. Based on their content, stories were also categorised as positive, negative or mixed.

Data analysis

Stories were analysed using the Framework analysis method.²⁴ Firstly, the researcher and patient research partner familiarised themselves with the stories through repeated readings and discussions. Secondly, the researcher and patient research partner outlined themes identified inductively from the data leading to a comprehensive coding framework. During this process suggested themes were regularly revised or combined. New codes were created when encountered data did not fit existing codes. The framework was then used to individually analyse all included stories with the researcher and patient partner meeting regularly to discuss developments. Themes were charted using NVIVO²⁵ to facilitate retrieval enabling the team to analyse similarities and differences across the data set. To address the final research question, the coding framework was mapped, and compared against the themes and questions used in the existing questionnaires previously described.^{26 27}

Results

Summary of included story characteristics

Based on their content, included stories were categorised as: 33% positive (n=50/152), 16% mixed (n=25/152) or 51% negative (n=77/152). The majority of story authors self-identified as a patient (n=104/152) with service users (n=18/152), relatives (n=9/152), carers (n=9/152) staff

members posting on behalf of a patient (n=5/152), parents/guardians (n=3/152), friends (n=3/152) and a staff member (n=1/152) also represented.

Self-reported conditions, experiences or diagnoses discussed included: schizophrenia, schizoaffective disorder, dissociative identity disorder, multiple personality disorder, psychosis, bi-polar, Attention Deficit Hyperactivity Disorder, depression, post-natal depression, post-traumatic stress disorder, anxiety, self-harm, substance abuse and suicide attempts. On average, stories were 248 words in length (Range: 21-1818 words).

The results below are presented in order of the research questions asked: (i) who do patients discuss when sharing their psychiatric healthcare experience online? (ii) what do patients share about their psychiatric healthcare experiences online? (iii) how does this compare to the content used in existing feedback questionnaires?

Who do patients discuss when sharing their psychiatric healthcare experience online?

Patients rarely discussed psychiatric care in relation to the care provided by a single psychiatrist alone. A number of other healthcare individuals, services, systems or processes were also described. For example:

"I am using the psychiatry service but I keep having problems with my appointments being cancelled... Recently I got two letters on the same day, one to give me an appointment and one to cancel it." (Unique Identifier (UID) 254339)

"My psychiatrist is amazing and understanding. I have never had any issues with her at all. She listens and she supports you... sign posts you to the right person when required ... But the experience I had this week from the reception was very disappointing and quite stressing, because yes I have a mental health disease, but that does not mean I'm not a person... We are human, we are someone." (UID 294950)

"I have been seeing Dr from around 2001 and was thinking about how good a service is provided... he is always wise, kind, caring and compassionate and always shakes my hand when he comes into the waiting room to collect me for my appointment.... My only very small criticism/request is for a better choice of magazines in the waiting room. A good magazine can help to calm nerves whilst you are waiting." (UID 193188)

Forty-seven additional roles and/or services were identified [See Appendix 1. Supplementary material]. Some of these additional roles can be seen in the example below:

"I was originally transferred to my local Community Mental Health Team from CAMHS services in another area. Initially the support I received was excellent. I was completely involved in my care. I had a skilled and compassionate Social Worker, a great Psychiatrist and a brilliant Support Worker... I also no care co-ordinator (which was

promised to me when my last one left)... A new Psychiatrist eventually said I could have a CPN who was my co-ordinator for 2 months...I was getting CBT from the Psychologist there... The mental health helpline have been very rude to me on occasions... The same goes for the Crisis teams... on one occasion the Consultant told me... On discharge from the Community team I was told I could self-refer myself back if I ever needed help, when I tried to do this a few weeks ago this was refused. Even my GP said I could do this."(UID 57352)

What do patients share about their psychiatric care experiences online?

Patients described both positive and negative aspects of psychiatric care quality. Each is discussed in turn below.

Positive aspects of care quality

Patients described 49 positive aspects of psychiatric care at the individual practitioner level. Table 1 identifies those most frequently discussed. The words used by the story providers have been kept wherever possible to maintain authenticity.

Positive aspects of psychiatric care were often discussed in combination with one another. For example:

"I have received brilliant care from the psychiatrist, he really is fantastic, because he listens to me and he gives me options for my treatment, I feel that I'm really involved in my treatment and included in decisions." (Unique Identifier, UID 295923)

"I wish to highlight the care from my Consultant Psychiatrist. At no point have I felt out of the loop regarding my care. Her thorough, learned, consistent understanding, compassion, encouragement, gentle and honest method of practice has allowed me to go from strength to strength. I have always been part of any decisions made both as an inpatient and outpatient. I feel so cared for, understood and supported" (UID 311614)

"I cannot praise him enough for his warmth, empathy and support... I know the importance of treating someone with respect, dignity and care and this I truly received in abundance." (UID 150728)

More than one in four stories reviewed (n=45/152) wanted to thank those responsible for their psychiatric care. This was evident from both a patient and family/carer perspective:

"I was fortunate to be assigned to a wonderful Consultant Psychiatrist... she has given me the gift of 'mental-wellness'- and the confidence to go forward positively into the future. She herself is a gift to the Profession in which she practices and to all the patients who like myself have come under her care. I can never thank her enough." (UID 171477)

"This is simply a thank you to my consultant psychiatrist... as a person with Bipolar Disorder who has been sectioned under the mental health act several times I have a somewhat ambivalent

Table 1. Positive aspects of psychiatric care at the individual practitioner level

Positive psychiatrist behaviours	No. of stories
1. Listened to	14
2. Supportive	14
3. Caring	14
4. Understanding	12
5. Treats people with dignity and respect	11
6. Involves (Shared decision making, carer involvement)	10
7. Non-judgemental and accessible	9
8. Kind	9
9. Spends time with patients	7
10. Helpful	7
11. Discusses medication side effects and provides information	7

*75 possible stories (n=50 positive, n=25 mixed)

attitude to how society treats people like me in general. That notwithstanding my psychiatrist has a reputation amongst patients and carers alike for his wonderful attitude and approach to those under his care. He is an exemplary professional and I feel sure my journey would have been far harder without his support. Thank you....." (UID 33340)

"As a family, we'd like to register our profound thanks to all those who were connected in the care of my nephew." (UID 295558)

Negative aspects of care quality

In contrast, story providers also identified a number of negative behaviours considered detrimental to psychiatric care quality (Table 2).

A lack of shared decision making was one of the most frequently discussed negative behaviours. This was aligned with other care domains including a lack of carer involvement:

"I felt that decisions made about my treatment and care were completely out of my hands. I felt like the psychiatrist had made his mind up about what was going to happen before my family/friends/advocate & I entered the room and all we were given was the opportunity to ultimately agree." (UID 298009)

"There was a failure to understand the crisis when my daughter became a rushing door patient (1 day in hospital, 1 day out in a repeated sequence). The psychiatrist made all the decisions; I felt he paid no attention what so ever to my comments, hers or her friends. I feel there was a failure of duty of care." (UID 19885)

"They never even ask. The fact that you have been a carer for a person for more than 4 years carries no weight at all." (UID 21448)

Similar to the positive behaviours described above, negative behaviours were often described simultaneously. For example:

"We might be ill but we are not children, please respectfully talk to us as adults and be more open - give us the opportunity to understand what's what and let us make more informed choices when we are capable of making them." (UID 48673)

"The way the psychiatrist treated me was degrading. It took a lot for me to go there and tell him how I felt and it felt like he was being dismissive, he treated me like a child. I felt worse when I left and ended up going home and attempting suicide... they still treat us as lesser human beings." (UID 24139)

The pattern between negative psychiatric care experiences and reported outcomes such as those described above i.e. "ended up going home and attempting suicide" was discussed by a number of patients (n=25). Conversely, 29 stories described positive outcomes of recovery and "life-saving" care received by individual psychiatrists: *"I feel like you have given me another chance at life and that's wonderful!"* (UID 86975)

"The miserable depressed me has completely changed and I actually felt better than I ever had in my life! I hardly drink now - I had a period of abstinence that lasted about six years... I've even stopped smoking. I am working and expect that this will continue until retirement... I wonder where I would be now without them? Dead? On the streets? Who knows." (UID 27812)

"With the help and support I have received I now have work as a volunteer, a house and a life." (UID 206459)

"I'm more able to be the kind of mum that I want to be" (UID 365110)

Table 2. Negative aspects of quality psychiatric care at the individual practitioner level

Negative psychiatrist behaviours	No. of stories
1. Lack of shared decision making	17
2. Detrimental attitudes	17
3. Poor communication	14
4. Hears but doesn't listen	14
5. Power imbalance	14
6. Judgemental	11
7. Lack of carer involvement	11
8. Dismissive	11
9. Lack of respect	10
10. Lack of sensitivity	9
11. Lack of understanding	8

*102 possible stories (n=77 negative, n=25 mixed)

How does the content shared online compare with the content used in existing questionnaires?

Finally, some of the content of psychiatric care experiences shared online differed to those used in validated questionnaires (Tables 3 and 4).

The GMC questionnaire did not include the majority of quality psychiatric care domains identified from a patient perspective (n=2/11 domains from a patient perspective) (Table 4). The specialty specific Royal College of Psychiatrists ACP 360 tool included more care quality domains from a patient perspective (n=9/11), with several questions repeatedly addressing shared decision making and carer involvement.

However, the language and categorisation used to describe these aspects often differed. For example, being caring and understanding was repeatedly discussed as two separate yet connected behaviours online. In existing questionnaires, these were often amalgamated.

Discussion

This research contributes to our existing understanding by uniquely identifying who patients describe in their psychiatric healthcare experiences, what patients share about their psychiatric healthcare experiences online, and how this compares to the content used in existing questionnaires. In contrast to the policy driven focus of individual practitioner feedback, our findings suggest patients do not typically disaggregate the care provided by a single healthcare professional from the wider team, or healthcare services and processes. At times, patients also share and describe aspects of psychiatric care quality that differs to the content and terminology used in existing feedback tools. Although focused on psychiatry, our

research findings have four clear practical and theoretical implications for those looking to facilitate quality improvement, patient feedback and professional development.

Firstly, our research findings suggest that the current GMC revalidation requirement for patients to disaggregate the care provided by an individual practitioner from the wider healthcare team, service or environment is unhelpful. Interactions external to an individual psychiatrist appear to influence, both positively and negatively, the quality of an individual's experience. The current approach is therefore unfavorable and introduces possible bias,²⁸ with the risk of patients providing patient feedback scores that reflect external frustrations as opposed to the performance of the individual healthcare professional. However, this highlights several issues at the heart of patient feedback in a regulatory context. Firstly, there is an issue of feedback opportunity. The current requirement to collect patient feedback so infrequently (once every five years) sends the message, whether intentional or not, that patient feedback is unimportant. Secondly, the purpose of patient feedback in a regulatory context is also unclear. Why is it collected and collected in the way that it is? Do we collect patient feedback to encourage learning, reflection and development, or do we collect it to compare and contrast healthcare professionals against one another or a set standard? This issue needs to carefully be resolved. assessment? If it is the former, then less rigid forms of feedback collection i.e. healthcare experiences shared online, or tools that allow sufficient space for narrative or free text comments to be more beneficial. The personal, subjective and human nature of patient experience is not a barrier to use but its strength. Narrative comments have been shown to help contextualise and explain the patient

Table 3. Comparison of patients' subjective assessment of the quality of psychiatric care as shared online with two existing validated questionnaires.

Aspects of quality psychiatric care from a patient perspective	Royal College of Psychiatrist ACP 360 Questionnaire	General Medical Council Patient Questionnaire
Listened to	"Listens to what I say"	"Listening to you"
Supportive	"Offers me hope and optimism"	-
Caring	"Shows warmth and is genuine and understanding"	-
Understanding	"Shows warmth and is genuine and understanding"	-
Treated with dignity and respect	"Shows respect for me" "Values my opinions"	"
Involved (Shared decision making, carer involvement)	"Includes my opinions when making decisions with me" "Asks me about my points of view" "Takes into consideration the needs of my family and/or carers" "Asks the opinions of my family and/or carers where appropriate"	Involving you in decisions about your treatment" -
Non-judgemental and accessible	"Is friendly and easy to approach"	"Making you feel at ease"
Kind	-	-
Spends time with patients	-	-
Helpful	-	-
Discusses medication side effects and provides information	"Provides useful information about my care and treatment when I need it or ask for it" "Makes information easy for me to understand"	-

journey undertaken,²⁹ avoiding the restrictive approach of only asking, and therefore valuing prescriptive elements required for regulatory processes. Until the issue of its intended purpose is resolved,³⁰ the methods used to understand and explore patient feedback may be severely undermined.

The second implication of this research is that patients describe some different domains of psychiatric care quality that are not covered in existing questionnaires. Current methods may not therefore adequately reflect the patient experience, or aspects of care quality considered important from a patient perspective. This may reflect the acknowledged exclusion of patients and the public in the

design, administration and evaluation of patient feedback questionnaires,¹⁹ accentuating the importance of co-production. Research findings also highlight the potential benefits of including online feedback in regulatory or service improvement processes. For example, as described by Greaves et al., online forums could enable the patient voice to be heard with greater clarity and immediacy than ever before with the potential to transform relationships between care providers and recipients.³ In our research, some patients described a cyclical pattern between poor psychiatric care and detrimental health care outcomes. The early detection of such patterns could help enhance patient safety and clinical performance. Equally, patients also described a number of lifesaving outcomes as a result of

Table 4. Items not discussed in patient stories but listed in existing patient feedback tools

Royal College of Psychiatrists ACP 360 Questionnaire	General Medical Council Patient Questionnaire
“Speaks clearly so that I can understand”	“Being Polite”
“Keeps appointments and is on time”	“Assessing your medical condition”
“Remains calm under pressure”	“Providing or arranging treatment for you”
	“This doctor will keep information about me confidential”
	“This doctor is honest and trustworthy”
	“Doctors ability to provide care”
	“Completely happy to see this doctor again”

high quality care. The ability of online forums to detect care excellence that can then be celebrated and supported helping to boost staff morale should not be underestimated. The inclusion of online patient feedback in regulatory processes requires a necessary shift in our thinking and definitions of what constitutes as ‘valid’ patient feedback.

Thirdly, the language and categorisation of care domains used in patient feedback shared online differed to that used in existing questionnaires. While the specialty-specific ACP 360 questionnaire covered the majority of identified domains, the more generic GMC questionnaire failed to address half of the care domains identified as important from a patient perspective, highlighting the importance of tailoring feedback questionnaires to the population it seeks to serve.

Finally, our research goes some way to exploring the belief that online feedback platforms such as Care Opinion are a mere channel for disgruntled patients, particularly those with “psychiatric or personality disorders”.¹⁷ While negative experiences were encountered, our research also showed that one in four stories reviewed wanted to directly thank those involved in delivering their psychiatric care. This disrupts existing thinking and provides an alternative perspective to the protective discourse often used to deter acceptance and of feedback from the mental health community more generally.¹⁷

It is however important to consider the potential limitations of online feedback. Patients who share their experiences online are unlikely to be representative of the entire patient population.^{3 9 31} However, the same arguments could be made about the requirement to collect a pre-defined number of patient responses (often 20-30) for revalidation purposes, with evidence to suggest some healthcare practitioners select which patients can respond.⁷

Furthermore, when viewed in relation to the total number of stories available on Care Opinion at the time of analysis, stories about the care of an individual psychiatrist represented less than 1% of all available stories. This low representation may reflect the targeted focus of this research, i.e. care provided in part, or in full by an individual psychiatrist, or the moderation process used by Care Opinion where individual names are removed, but it may also be indicative of a wider cultural need to encourage, promote and accept the sharing of psychiatric care and mental health experiences more broadly. Previous research acknowledges the therapeutic benefits of providing patient feedback and significant associations between patient care ratings, clinical outcomes and care quality.^{9 32 33 34-36} Critical exploration of ways to increase the provision and accessibility of patient feedback in the context of psychiatry is therefore required.

Strengths and limitations

Strengths of this research include its application of a rigorous search process, generation of new knowledge that addresses identified limitations of existing research and its co-production with a volunteer mental health patient partner. However, its limitations must also be acknowledged. Although extensive in scope, this research used one data source. Exploration of other online feedback websites and international comparisons would be helpful to identify any cultural differences in aspects of psychiatric care quality and any difference between private and state funded healthcare. Patient and carer perceptions of quality psychiatric care were also amalgamated in this research. Future research should explore whether feedback websites are suitable in practice for patients, healthcare providers and regulators to help assess care quality provided from both individual professionals and healthcare services more broadly.⁹

Conclusion

Patients discuss a number of healthcare professionals and services in regards to their psychiatric care experience and describe some domains of psychiatric care quality that differ to those asked in existing questionnaires. Further work is needed to incorporate patient perceptions of care quality and their terminology in existing questionnaires. This may best be achieved through co-design. The current focus of patient feedback in revalidation is of limited value as patients do not typically disaggregate the care provided by an individual clinician from the wider healthcare team or environment. A patient's experience is not perceived as individualistic contributions, but rather a collective effort between clinical and non-clinical staff, services and environments. The sharing of healthcare experiences online could help create desirable and dynamic transparency to the benefit of both current and future patients.

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Appendix 1. Supplementary material identified roles in addition to psychiatrist, consultant psychiatrist, locum psychiatrist, duty psychiatrist and assistant psychiatrist

GP (n=37)
 Community psychiatric nurse (n=27)
 Community mental health team (n=19)
 Crisis team (n=16)
 Nurse (n=15)
 Psychologist (n=12)
 Secretary (n=10)
 Administrator (n=10)
 Social worker (n=7)
 Support worker (n=5)
 Occupational therapist (n=5)
 Clinical care co-ordinator (n=4)
 Care co-ordinator (n=4)
 Complaints manager (n=2)
 PALS (n=2)
 Psychiatric liaison team (n=2)
 Counsellor (n=2)
 Student (n=2)
 Paramedics (n=2)
 Mental health team (n=1)
 Community link worker (n=1)
 Social inclusion and wellbeing service (n=1)
 Peer support worker (n=1)
 Community nurse (n=1)
 Sister (n=1)
 District nurse (n=1)
 IAPT (n=1)
 Trainee (n=1)
 A&E staff (n=1)
 Police (n=1)
 111 (n=1)
 CRT (n=1)
 Neurologist (n=1)
 Mental health service management (n=1)
 House officer (n=1)
 Physiologist (n=1)
 Therapist (n=1)
 Housekeeper (n=1)
 Duty worker (n=1)
 EMHU psychologist (n=1)
 Referral team (n=1)
 Ward manager (n=1)
 Health visitor (n=1)
 Chaplain (n=1)
 Pharmacist (n=1)
 Service manager (n=1)
 Home treatment team (n=1)
