Promoting physical health among people with enduring mental illness: a qualitative study of healthcare providers’ perspectives

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ABSTRACT

Background People with enduring mental illness (EMI) have higher morbidity and mortality from chronic diseases than the general population, and this results in a significantly reduced relative life expectancy—accounted for primarily by physical illness. This gap may be partly influenced by the reduced likelihood of access to and uptake of regular physical health screening.

Aim To establish Irish service providers’ perspectives regarding the care of the physical health of people with EMI in an effort to inform future service developments aimed at improving the physical health of people with EMI.

Design and setting Qualitative study of healthcare providers—general practitioners (GPs) and members of the community mental health teams—in Ireland.

Participants GPs and mental health service providers.

Methods Qualitative semi-structured interviews were conducted with 34 service providers. Thematic analysis was undertaken.

Results Participants considered that the physical health of people with EMI is not currently regularly addressed by the patient’s GP or the mental health team. Factors associated with this include patient compliance with attendance, time constraints in consultations to adequately support patient self-management, communication difficulties with the patient and between primary and secondary care, and lack of clarity as to whose responsibility it is to ensure physical health is monitored. In participants’ view, a barrier to improvement is the present funding approach.

Conclusion The evidence from this study has the potential to form the basis for innovation and change in service delivery for people with an EMI in Ireland and internationally, specifically in countries where it is not clear who has the overall responsibility to monitor the physical health of patients with EMI. This role requires time and regular contact, and both the organisation and the funding of the health system need to support it.

INTRODUCTION

Enduring mental illnesses (EMIs) account for 62.5% of disability-adjusted life years (DALYs) caused by mental and substance use disorders. People with EMI have a mortality rate two to three times higher than the general population. This translates into a reduced relative life expectancy of between 13 and 30 years. This gap in mortality has widened, including in countries with developed health systems such as Sweden, Finland and Denmark. It is estimated that 60% of this increase in mortality is caused by physical illness. Among people with EMI, there is a higher prevalence of diabetes mellitus, metabolic syndrome, cardiovascular disease, respiratory disease and infectious disease. Cancer morbidity rates are the same for people with EMI and the general population. However, there is evidence of increased cancer mortality rates for this group.

There are five primary reasons for the disparities in physical health outcomes between the general population and those
with EMI: side effects of some psychiatric medications, increased rates of chronic disease risk factors, different healthcare utilisation patterns, lack of integration between primary and secondary services, and inequitable provision of healthcare.\textsuperscript{2} 10–15 Provision of physical healthcare for people with EMI is unequal despite their greater need.\textsuperscript{10} 16–19

Rates of physical health monitoring in primary care are significantly lower for people with EMI despite consultation rates being much higher,\textsuperscript{20–23} suggesting that diagnostic overshadowing plays a significant role. While monitoring of physical health measures and annual check-ups are recommended,\textsuperscript{24} there is no agreement regarding who should be responsible for this and different approaches have been taken in different countries.\textsuperscript{24 25} Ireland does not have a stated policy on who should take overall responsibility for the physical health of patients with EMI, and there are no incentives for this or for health promotion in the population in general.

This paper reports Irish service providers’ perspectives on the care of the physical health of people with EMI in an effort to inform future service developments aimed at improving the physical health of people with EMI.

METHODS
Study design
The study consisted of semi-structured telephone interviews, conducted with 34 healthcare providers in four geolocations in Ireland. The focus of the study was on patients with EMI, which denotes patients with any of three conditions—schizophrenia, bipolar or (recurrent) depressive disorder.

Participants
Participants were recruited through an online advertisement placed on the Irish College of General Practitioners’ (ICGP) website and local healthcare staff notifications communicated via the local Health Services Executive offices, which included detailed information on the aim and structure of the project. The respondents were sampled purposively, considering their experiences in the involvement in care of patients with EMI. Purposive sampling aimed to capture a wide range of views and perspectives by ensuring a variation in healthcare providers (GPs and members of the community mental health (CMH) teams), geographical location of practices (Dublin, Cork, Galway and Limerick) and size of practices. Healthcare providers included GPs and members of the CMH teams. A total of 34 participants were interviewed; 20 GPs and 14 CMH team members. The CMH team cohort consisted of six psychiatrists, seven CMH nurses and one occupational therapist. All of the participants were provided with an additional information sheet and consent form prior to their participation in the study.

Data collection and analysis
Individual interviews were conducted to explore Irish service providers’ perspectives regarding the care of the physical health of people with EMI. An interview topic guide was developed and is included as an online supplemental file 1. A cyclical process was adopted giving the potential to adjust the topic guide during the data collection period; however, no changes were made to the initial topic guide. The topics covered included the physical health of patients with EMI, presentation and detection, support and management of patients with EMI, communication with patients with EMI and collaboration between service providers. Semi-structured telephone interviews are considered to be an effective method for qualitative data collection and are frequently applied in healthcare research.\textsuperscript{26 27} Interview via telephone is seen to be beneficial with regard to the complexity of accessing health professionals due to the time constraints faced by them.\textsuperscript{26–28} Although telephone interviews could have a number of limitations, including inability to observe body language and social cues, previous research has indicated that telephone interviews are an invaluable tool for wide geographical access,\textsuperscript{26 27} which was the case in the present study.

Semi-structured interviews were conducted by three researchers, all experienced in qualitative methods but not topic experts. Prior to each interview, the researchers briefly explained the aim of the study and structure of the interview process to each of the participants, and they also asked for permission for the interview to be audio-recorded. The interviews lasted approximately 30–45 min, after which they were transcribed verbatim and anonymised at transcription. Thematic analysis\textsuperscript{29} was employed in order to identify common themes. First, the transcripts were read and re-read in order to achieve data familiarisation, followed by line-by-line coding, where meaningful parts of texts were organised into codes. Two researchers were involved in reviewing the codes and assessing the commonalities and differences between the interviews. As a result of the comparative analysis between and within transcripts, two researchers labelled codes based on meaning and relationship between them into themes and subthemes, which were considered by the wider research team, and some amalgamation of themes occurred. This process contributed to increased reflexivity. Coding and thematic analysis were conducted manually without use of any computer software. The authors considered data saturation to have been reached and verified this through use of a cyclical process whereby analysis was undertaken throughout the data collection.

The Standards for Reporting Qualitative Research (SRQR) reporting guidelines were employed (the SRQR checklist is included as an online supplemental file 2).\textsuperscript{30}

Patient and public involvement
While there was public involvement from the outset and throughout the project through one member on the project steering group, there was no patient involvement...
in these interviews as this paper focuses on service providers’ perspectives.

RESULTS

The main themes (Table 1) that emerged from the analysis were as follows:

- Physical health issues of patients with EMI
- Management of physical health of patients with EMI
- Communication about physical health of patients with EMI

### Physical health issues of patients with EMI

Participating healthcare providers referred to patients living with EMI being at greater risk of being diagnosed with a range of chronic conditions and affected by lifestyle risk factors. Due to the nature of their diagnosis as well as prolonged periods on prescribed medication, patients with EMI were seen to develop a range of conditions: “physical health issues are very, very common; those such as obesity, hypertension, thyroid illness, cardiac and respiratory illness” (CMHT04).

Many of the risk factors encountered by patients with EMI were seen to be as a result of both the impact of their illness “people who have enduring mental illness are usually unemployed. Better food usually costs more than unhealthy food”. (GP02)

“... because of the area I’m working in is a very high deprivation index so there’s a lot of other factors as to why people have co-morbid physical health issues alongside their mental health problems...lifestyle, low education attainment, no real interest in self-care...” (CMHT03)

Despite patients’ life circumstances and vulnerability to physical health issues, the healthcare providers considered that recognition of physical health problems by patients with EMI worked on a case-by-case basis, based on the severity of their illness. Some patients with EMI were found to be similar to patients without a diagnosis of EMI in regard to their interest in their physical health.

“It depends on the degree or the severity of the illness on how much insight they have really. Some of them might manage quite well. There’s such a spectrum. A lot of them just behave like any other patient, they attend whenever they are worried about their blood pressure or they have a pain in their back or leg or tummy”. (GP09)

However, a number of GPs and mental health professionals considered that their EMI patients’ awareness of physical health was in the main very poor (GP14, GP19, GP20, CMHT07), stating that: “...so a lot of the time they wouldn’t be telling us that they are feeling unwell. They might be tired but attribute it to their mental illness” (CMHT07). Patients with a diagnosis of bipolar disorder were perceived to be more capable of engaging in relation to their physical well-being. Patients whose conditions were being effectively managed by medication and therapy, and who had good support structures in place, were regarded as aware of some physical health issues and were able to address them during visits.

“... the patients with bipolar are probably better at attending and being aware of their physical health as well. I suppose the schizophrenic patients who are maybe more severe or have less support I think are not so good about coming for anything physical”. (GP09)

### Management of physical health of patients with EMI

#### Annual check-up

Annual physical health check-ups for patients with EMI were perceived by GPs and CMH team members to be an ideal practice (GP17, GP18, CMHT03). In two of the four geographical areas included, participants informed us that a comprehensive annual physical health check, in line with the National Institute for Health and Care Excellence (NICE) guidelines, was in place for all of their attending patients with EMI.

“... we do annual health screening for all of our clients”. (CMHT03)

Nevertheless, healthcare providers considered that completing a comprehensive physical health check annually was not always possible due to severe resource and time constraints: “because of resource issues, it wouldn’t be feasible to do physical health checks on everyone” (CMHT04). Time constraints in appointments were the most frequent issue for GPs when attempting to educate and encourage patients to focus on and monitor their physical health. GPs addressed the need for longer consultations for patients with EMI: “I’d love to do an annual check and to have a dedicated half hour session every six months. But I don’t have the time, I’m trying to see 35 or 40 patients a day in 10 or 15
minute slots so to try with something as complex as somebody with EMI who also may have co-morbid illnesses and polypharmacy, is by far the biggest problem I have” (GP17).

As a result of the above constraints, the healthcare providers were conscious of monitoring as many of the criteria and parameters of a physical health check as possible during ad hoc appointments. These appointments commonly include blood, weight and blood pressure examinations (GP19, CMHT04), but there was reference by GPs to additional tests and interventions. “I would do blood tests at least once a year, check their blood pressure, weight, talk with them about smoking, and try to do an ECG every three years. We do our best to provide advice, and give them leaflets, and refer them to dietitians” (GP19).

Practice level

Both GPs and CMH team participants agreed that the physical health of patients with EMI should generally be managed where possible in the primary care setting. Exceptions are made for patients who require treatment in the secondary care setting. CMH team participants expressed that they played a role in supporting their patients to access physical health checks, tests and treatments by either advising them or supporting them in person to visit their GP.

“If we identify a problem, such as high cholesterol or a thyroid problem, we will often liaise directly with the GP by telephone or letter and ask the patient to go in to see their GP to see if they need medication… People really do need to see their GP”. (CMHT04)

GPs stated that they felt comfortable managing the physical health of patients with EMI. However, they reported difficulties in managing their patients due to challenges related to adherence to advice and treatment, difficulties in communicating effectively, poor appointment attendance and an awareness that patients with EMI are less likely to seek care related to their physical health than patients who do not experience mental health issues. A lack of adherence among patients, with regard to treatment and possible lifestyle changes, was seen as one of the biggest challenges: “Compliance [with medication] is a big issue. Even if it’s not that they are taking it all, it’s that they don’t take it regularly or as prescribed” (CMHT03). Lack of adherence was associated with a lack of motivation, which was highlighted as common among patients with EMI as a result of their illness. The employment of motivational techniques during consultations was suggested, “You need to adjust your expectations, and use motivational intervention techniques with them, and tell them how great they are doing” (GP20). GPs reported that the focus of visits by those with EMI often veered away from physical health advice, education and risks. Both GPs and patients were often focused more on the mental health issues the patients were experiencing, repeat prescriptions for medications prescribed and tackling acute physical health issues.

“…even the ones that have their mental health symptoms very much under control, they tend to focus on the mental health symptoms and not so much the physical health symptoms”. (GP02)

EMI patients’ presentation to their GP for treatment was also found to be a common issue: “…they [EMI patients] generally tend to be poor presenters” (GP02) or “not presenting and not being motivated to present at all” (GP11). Follow-up with patients who miss appointments in general practice or who have been called in to access treatment for results can be problematic. GPs explained that they work on the basis that if contacted, it is at the patient’s discretion whether they attend or not; although in some cases, the patient’s partner or carer may be contacted to promote attendance. It was also touched on that general practice does not have the resources in place to follow-up with every cancelled appointment. The consultant psychiatrist considered that the information they shared with the GP was taken seriously with regard to their patients, yet a patient’s lack of adherence in attending appointments means that they could ‘fall between the cracks’ if they have no support in place.

“If you’re concerned about somebody and they’re not going into see their GP and they aren’t actively engaged, there often isn’t an obvious pathway for what happens”. (CMHT04)

Communication about physical health of patients with EMI

With patients

Comprehension and implementation of the physical health advice offered during consultations was recognised by participants as problematic, mainly because of a lack of patient motivation to follow through with all appointments, time limitation during consultation and characteristics of their health condition. GPs believed that advice provided was mostly understood by their EMI patients but “getting into the structure of a routine is difficult. Motivation is also something that is a problem…” (GP02).

Making positive changes to the lifestyle of their patients was found to be challenging for the CMH team side as well, due to time restriction: “…it’s often difficult as a psychiatrist to devote times to these matters and follow through with people so it comes down to a reasonable conversation with people…” (CMHT04). Several GPs addressed that it may not be worth intervening due to complex lifestyle behaviours: “If you’re seeing someone who has a lot of instability in their life due to their mental health then if you find a balance in that then it’s hard to go digging at, picking on them to start watching what they eat and their smoking” (GP16).

Between healthcare providers

The importance of the development of good quality communication and a relationship between GPs and members of the CMH teams was evident throughout the interviews. In cases where both sides have experienced direct contact with one another and had the opportunity to develop their professional relationship over time, communication was perceived to be very effective.
“We have brilliant mental health nurses who we can contact very readily if we have concerns. It’s a difficult part of medicine but it actually runs very well in comparison to other chronic illness.” (GP11)

On the other hand, GPs and CMH team members addressed the issue of how they did not receive information from the other party directly, and that patients were used as messengers to deliver information. This was perceived to be extremely problematic due to issues the patient may have with retaining necessary information: “The information comes through the patient, usually verbally … or half the time the patient can’t remember what they were told to get done” (GP02). Overall, collaboration between GPs and CMH teams was often perceived to be non-systematic and less than optimal. Both GP and CMH team participants addressed that poor communication sometimes resulted in tests, such as blood tests, being duplicated by the GP only weeks after the consultant psychiatrist had performed them, or vice versa. This was a source of frustration for the participants.

Participants considered that integrated communication is a promising approach to dealing with patients with EMI. The suggestions to improve a sense of collaboration between GPs and CMH teams were based around communication pathways, including “… regular contact” (CMHT03), “Probably a secure email policy” (GP07), “use Healthmail” (GP13) and “more open communication” (CMHT03).

**DISCUSSION**

**Summary**

Service providers agreed that people with EMI had increased risk of physical health illnesses and that physical health measures should be monitored. While some patient level difficulties were identified, the key barriers noted were at a system level—difficulties communicating, diagnostic overshadowing and resources, particularly in terms of having sufficient time to follow-up on missed appointments and to support patient self-management. Communication difficulties between primary and secondary care were not limited to the care of patients with EMI but were seen as systemic within the Irish healthcare system.

**Strengths and limitations**

A key strength of this work is that it includes an in-depth assessment of a mix of health professionals’ perspectives on the topic. Further strengths are the use of the SRQR guidelines and the broad national representation among participants. A key limitation is that data from only one country are included, but the findings and conclusions may be relevant to others who also do not have a clear policy regarding who is clinically responsible for this area in practice. The thematic analysis approach may be a further limiting factor, reducing the depth of understanding which can be claimed.

**Comparison with existing literature**

Diagnostic overshadowing was identified by participants, and it is considered in the literature as being an important contributory factor in terms of access and care provision.31 This leads healthcare practitioners to focus less on the physical illnesses of people with EMI and more on their mental illness. Since 2004, England and Wales have incentivised their GPs to provide annual physical health checks to their patients with EMI,32 and in 2005, it was found that 80% of GPs in these two countries conducted annual physical health checks on patients with EMI.33 Annual physical health checks have been identified as good opportunities to carry out brief interventions on patients with EMI.34 A lack of integration of primary and secondary services is seen as one of the causes of the discrepancy in physical health outcomes between people with EMI and the general population.35 A mechanism to record physical health parameters and improved integration of carers was recommended by participants.

In England, NICE36 have advised that at any one time either the secondary or primary care services should have overall responsibility for the physical health of patients with bipolar disorder. For schizophrenia, it is recommended that psychiatric services monitor physical health for 12 months after diagnosis and then a shared care arrangement is set up.37 Primary healthcare professionals are advised to conduct annual physical health checks on this group.36 37 A key issue identified by participants was the need to identify which service providers have overall responsibility for monitoring the physical health of people with EMI. It has been propounded that one of the greatest risks to patient safety occurs when the patient passes across the boundaries of care, in part due to lack of clarity about where responsibility and accountability of care lies in such situations.38 39

**Implications for research/practice**

Patient safety is more at risk when patients cross boundaries of care,39 and so it is necessary that clinical accountability and responsibility are established. The evidence from this work could form the basis for innovation and change in practice and inform future service delivery in Ireland and elsewhere for people with an EMI, particularly in countries where it is not clear who has overall responsibility to monitor their physical health. This role requires time and regular contact, and both the organisation and the funding of the health system need to support it.

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**Acknowledgements** The authors wish to acknowledge the valuable contribution and time given by all participants.

**Contributors** CC was the principal investigator, co-conceived the project idea, obtained ethical approval, designed the topic guide, undertook data collection, conducted the analysis and drafted the paper. PF co-conceived the project idea, provided mental health contextual oversight, assisted with the topic guide development, assisted with interpretation of findings and edited the paper. MO undertook data collection, assisted with analysis and edited the paper. JL undertook data collection, assisted with analysis and edited the paper. IP undertook data collection, assisted with analysis and edited the paper. BG provided medical oversight, assisted with topic guide development, assisted with interpretation of findings and edited the paper. All authors have read and approved the final version of the paper.

**Funding** The project was funded by the Mental Health Division of the Health Services Executive.

Collins C, et al. BMJ Open 2021;11:e044855. doi:10.1136/bmjopen-2020-044855
Claire Collins http://bmjopen.bmj.com/ BMJ Open: first published as 10.1136/bmjopen-2020-044855 on 21 April 2021. Downloaded from http://bmjopen.bmj.com/ on September 17, 2023 by guest. Protected by copyright.

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