ORIGINAL ARTICLE

Using financial incentives to support service engagement of adults experiencing homelessness and mental illness: A qualitative analysis of key stakeholder perspectives

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Abstract

Introduction: Homelessness and mental illness are associated with poor service engagement, health and health service use outcomes. Existing literature suggests that financial incentives may effectively support service engagement of this population, but studies investigating key stakeholder perspectives are lacking. This study aimed to elicit, using qualitative methods, nuanced service user and provider experiences by using financial incentives to support service engagement among adults experiencing homelessness and mental illness.

Methods: This qualitative study is part of a larger mixed-methods pragmatic trial of financial incentives (Coordinated Access to Care for the Homeless—Financial Incentives [CATCH-FI]) within a community-based brief case management programme (CATCH) in Toronto, Ontario. Twenty-two CATCH-FI participants were purposefully recruited to participate in in-depth, semi-structured interviews; five CATCH service providers participated in a focus group and seven key informants in individual interviews. Data collection occurred between April 2019 and December 2020. All interviews and the focus group were audio-recorded and transcribed. Topic guides prompted participant perspectives on and experiences of using financial incentives to support engagement, health and well-being. Grounded theory and inductive thematic analysis guided coding and interpretation of transcripts. Triangulation and member-checking enhanced the analytical rigour and validity of findings.

Results: CATCH service providers, key informants and subgroup of CATCH-FI participants perceived financial incentives to directly facilitate service engagement.
1 | INTRODUCTION

Adults experiencing homelessness and mental illness face significantly worse health and health outcomes compared to the general population, including increased prevalence and severity of chronic health conditions, comorbid alcohol and substance use disorders, neurocognitive impairment and premature mortality.1–3 Engaging this population in health services is challenging due to transiency in housing, complex health needs, financial barriers, limited availability of tailored and appropriate services and stigma and discrimination.4–8

In addition, the literature on interventions to improve service engagement among adults experiencing homelessness and mental illness is limited. As low levels of engagement are associated with a range of poor outcomes, including greater illness severity, lower quality of life and higher rates of acute care use,6,9,10 implementing strategies to improve service engagement of this population remains a priority across healthcare and social service settings.

A review of existing literature suggests that person-centred care and a strong therapeutic alliance within a recovery-oriented framework are helpful in supporting service engagement in people experiencing mental illness.6 Studies also indicate that providing instrumental supports and services that attend to immediate needs, such as financial, housing and employment assistance, in addition to direct mental healthcare, are important for this population.11,12

Financial incentives (FIs) in particular have been used successfully to influence health decisions in a variety of populations and healthcare settings.13–16 It has been suggested that FIs may be particularly effective in facilitating service engagement of underserved populations in shorter-term interventions.17–19 For people experiencing homelessness and/or mental illness, existing literature suggests that FIs have been successfully implemented to improve attendance in psychotherapy services,20,21 and to increase rates of medication adherence,22 abstinence from substances,23,24 and smoking cessation.25,26

In healthcare, behavioural economics suggests that one way in which FIs may effectively influence individuals’ health decision-making is by appealing to our general tendency, as humans, to focus on the present and immediate gratification versus future-oriented pay-outs.17,27,28 Motivation theories, including self-determination theory,29 also align with this notion and further suggest that incentive-based interventions may be relatively more effective among extrinsically motivated individuals.30 While the literature has long-identified intrinsic motivation as central to sustained health behaviours,29,31–33 little is known regarding the extent to which and how the experience and impact of FIs might differ within and across populations and settings.

Despite growing evidence of effectiveness, there is limited research on the acceptability of FIs, or a nuanced understanding of stakeholder perspectives on the impact of FIs on health service engagement in underserved populations. Moreover, significant ethical concerns have been raised, particularly regarding perceived coercion and its potential impact on autonomous decision-making, and the potential for unintended harms; service providers, researchers and planners have raised concerns that money might enable increased substance use, for example.34–38 Given debated appropriateness of FIs to promote service engagement, more evidence is needed to better understand key stakeholder perspectives related to impact, utility and ethicality, specifically including perceived impact on autonomy and unintended consequences, which together with evidence of effectiveness, can help inform acceptable implementation in practice.

This study aimed to elicit, using qualitative methods, nuanced service user and provider experiences with financial incentives to
support service engagement among adults experiencing homelessness and mental illness posthospital discharge in Toronto, Canada.

2  |  MATERIALS AND METHODS

2.1  |  Intervention description

This study describes the qualitative component of a larger mixed-methods pragmatic randomized controlled trial (RCT), Coordinated Access to Care for the Homeless—Financial Incentives (CATCH-FI), described in-depth elsewhere. This RCT aimed to evaluate the impact of FI on service engagement among adults experiencing homelessness and mental illness posthospital discharge in Toronto, Canada. The CATCH-FI study enrolled and randomly assigned participants of a brief case management programme, Coordinated Access to Care for the Homeless (CATCH), to either: (i) an intervention arm, in which participants received a $20 FI for each week they contacted their CATCH case manager or another CATCH service provider (up to $80 per month) over a 6 months follow-up period or until they were discharged from the programme according to their care plan; or (ii) a control arm, in which participants received usual CATCH care without an FI to support engagement with the programme.

The CATCH programme itself has also been extensively described and evaluated. In short, CATCH is a multidisciplinary brief case management intervention that bridges multiple organisations and sectors to provide comprehensive, short-term support to individuals experiencing homelessness and mental illness and transitioning from hospital to community services. The programme, informed by the critical time intervention model, is associated with significant positive changes in physical and mental health, health service use and quality of life.

2.2  |  Study participants and recruitment

CATCH-FI participants in this qualitative study were recruited from the broader RCT sample (N = 176) and met both programme and RCT eligibility criteria. Programme eligibility included: (i) current homelessness or precarious housing; (ii) service provider-determined unmet health needs; (iii) service user-determined unmet support needs; and (iv) aged 18 years or older. Exclusion criteria included aggression or illness severity requiring higher intensity supports. For CATCH clients to enrol in the RCT, additional eligibility included: (i) new programme referral; (ii) recently admitted or readmitted to hospital services; and (iii) completed programme intake. Thirty-four participants were recruited for this qualitative study, a sample size sufficient for achieving thematic saturation within each stakeholder group. Twenty-two CATCH-FI participants were purposefully selected based on the number of contacts with the CATCH team, sociodemographic representativeness, group assignment and study staff’s assessment of participants’ ability to provide in-depth reflections on their experiences. Eligibility criteria and recruitment efforts were adapted throughout to improve the representativeness of the study sample; for example, efforts were made to include participants with low levels of engagement and minority groups. This recruitment approach has been used by the research team in previous studies among people experiencing homelessness and mental illness and within this particular programme. In addition to CATCH-FI participants, 12 CATCH service providers and key informants were purposefully recruited based on their role in the CATCH programme or the local healthcare system.

At baseline, most CATCH-FI participants (n = 22) had at least 10 contacts with their CATCH service providers (n = 13; 59%). CATCH-FI participants were predominantly male (n = 15; 68%), Caucasian (n = 15; 68%) and middle-aged, with 75% aged 35–64 years. CATCH-FI participants varied in level of education but the majority had completed high school (n = 16; 73%). Compared to the overall RCT sample, this qualitative sample was comparable in age but included proportionally more female (32% vs. 25%), Caucasian (68% vs. 56%) and high-school educated (73% vs. 64%) participants.

CATCH service providers and key informants ranged in age, gender, experience and healthcare role. Focus group participants (n = 5) were CATCH programme staff in frontline (case management, nursing) and managerial roles. Key informants (n = 7) were healthcare providers in senior clinical and/or administrative leadership roles at leading local mental health and social service institutions that are partnered with the CATCH programme and serve the broader homeless population in community settings.

2.3  |  Data collection

In-depth, semi-structured qualitative interviews averaging 40 min in length (range: 15–111 min) were conducted with CATCH-FI participants between April 2019 and December 2020. Key informant interviews averaging 26 min in length (range: 15–51 min) took place between August 2020 and October 2020, while a focus group with CATCH service providers was held in August 2020, lasting 94 min. All interviews including the focus group were audio-recorded and transcribed verbatim. CATCH-FI participants received an honorarium of $30 and public transportation fare for completing a qualitative interview and focus group participants received a $10 gift card.

The individual interviews and focus group specifically aimed to explore stakeholder perspectives and experiences related to the impact of FI on service engagement and health and well-being. Topic guides included open questions and specific prompts related to overall perceived facilitators of and barriers to engagement and factors influencing healthcare decisions, as well as specific questions and prompts related to the perceived impact of FIs on service engagement, health and well-being. More specifically, CATCH-FI participants enrolled in the intervention arm were asked whether FI impacted their decision to contact their case manager or their overall health and well-being and how. Those enrolled in the usual care arm were asked whether they believed FI would have, hypothetically, impacted their engagement, health and well-being. Topic guides were
iteratively developed and refined by the study team to capture rich and diverse perspectives.

The research team is led by a primary investigator (PI) with extensive experience conducting qualitative research among people experiencing homelessness and mental illness; and the study is sponsored by the MAP Centre for Urban Health Solutions at Unity Health Toronto, who similarly have a history of successfully engaging this population locally. Together, this team has successfully conducted several previous studies with the study population. Data collection was conducted by trained and experienced interviewers who were known to participants by virtue of having conducted prior quantitative interviews as part of the broader RCT. Rigorous interviewer training, ongoing transcript review by the study PI and study staff and investigator triangulation were also employed to strengthen the quality, rigour and trustworthiness of results. Lastly, a member-checking process was conducted in which results were reviewed, refined and confirmed with CATCH service providers in August 2021.

2.4 | IRB statement

This study was approved by the Research Ethics Boards at St. Michael’s Hospital, Unity Health Toronto (REB#18-196; approved 1 November 2018) and the Centre for Addiction and Mental Health (REB#156/2018; approved 19 December 2018) in Toronto, Canada. All participants provided either written or verbal informed consent to participate; access to an interpreter was available to facilitate understanding and a capacity-to-consent questionnaire was available for use by study staff as needed.

2.5 | Data analysis

Grounded theory and inductive thematic analysis guided the interpretation of transcripts. This approach allowed for analysis of both themes informed by existing literature, such as behavioural economics and self-determination theory, as well as themes that emerged independently, from the data itself. Coding was completed by three rigorously trained researchers, using an established methodology. Two separate codebooks and databases were developed for CATCH-FI participants and for CATCH service providers and key informants, respectively. To develop the CATCH-FI participant codebook, three researchers independently coded six transcripts and collectively reviewed results to identify a set of key codes. Once consensus was achieved, a codebook was developed and iteratively updated, guiding the coding of these remaining transcripts. Similarly, to develop the CATCH service provider and key informant codebook, two researchers independently coded the focus group transcript and three researchers independently coded two key informant interviews to identify a set of key codes from which to build the codebook. In instances where consensus on ultimate code application was not reached after an initial meeting between researchers, the PI was consulted and the consensus was achieved in a subsequent meeting. Inter-rater reliability was assessed using Cohen’s k statistic, for which scores were substantial for both service user data (k = 0.79) and service provider data (k = 0.77); percent agreement on all codes was 99%. All interviews coded for the purpose of the codebook development were later recoded using the developed codebook. As coding progressed, codes were grouped into higher-order themes. The PI and study staff met regularly to iteratively review and refine the coding framework and emerging themes. Data saturation was achieved in which no new codes or themes emerged from later interviews.

QRS International NVivo 9 qualitative analysis software was used to support data management, coding and analysis.

3 | RESULTS

In investigating the perceived impact of FI on service engagement, health and well-being, three primary themes emerged from participant narratives:

Cash is king: The first theme describes how FI directly facilitated engagement in a subgroup of CATCH-FI participants.

Not in it for the money: The second theme describes how, for the majority of CATCH-FI participants, FI was believed to be relatively less important for service engagement compared to other factors, such as an individual’s intrinsic motivation and the quality of care offered.

Money talks: Finally, the third theme speaks to the universal agreement among study participants across stakeholder groups that FI directly support health and wellbeing by enabling access to basic needs and enjoyment of simple pleasures.

‘Cash is king’: Financial incentives are a carrot and some are hungry

Over one-quarter of CATCH-FI participants described that FI had or would have a direct impact on their decision to engage in care. A minority of participants FI enroled in the intervention arm described instances of engaging with their case managers with the primary intention of obtaining the incentive: ‘I thought I should make sure that I stay in touch... I knew that I would get an e-transfer, so it worked’ (P4337). Often, these participants described FI as an effective externally motivating reinforcement of their overall efforts to engage in an ongoing manner: ‘the finances helped keep me going and doing it, so I guess it would be the consistency of [engaging] that was impacted’ (P4081). As one CATCH-FI participant enroled in the usual care arm who was asked about the hypothetical influence of FI summarized, ‘it gives motivation... something to gain that would motivate people to show up more often than not’ (P4071). Those who decided to engage because of the FI went on to describe an improved overall care experience as a result:

I found that the incentive kept me in touch with someone that was helping me. It made me feel better
because I knew someone was there. It’s like, if the $20 thing wasn’t there, I wouldn’t have made that phone call, I know I would’ve felt more distanced from [case manager] and the program and like life itself... But I found the frequent contact kept my head more positive. (P4010)

The majority of CATCH service providers and key informants similarly believed that FI did or would likely directly influence service engagement (n = 7/12). This was primarily due to the perceived universal utility of a financial gain and specific lack of financial capital among the study population. As one individual described,

I think clients who are on the street... they have very few rewards and perks in their life, and so it makes sense to me to figure out what is it that they need and want. And one of the things that everybody needs and wants is...some level of finances... so it makes sense to me that we consider this as an option. (SP2)

‘Not in it for the money': The relative value of financial incentives

The majority of CATCH-FI participants indicated that FI was not or would not be directly associated with their decision to engage with the intervention (n = 16/22). These participants described feeling appreciative of the incentives, highlighting that an FI was useful but nonessential; they frequently referred to the incentives as a ‘bonus’ or ‘reward’. As one participant summarized, receiving an FI ‘didn’t influence’ their decision to engage ‘because I would have done it regardless. But when I found out there was one, I was very happy’ (P4061).

CATCH-FI participants described two relatively more meaningful facilitators of service engagement: (i) intrinsic motivation, at the service user level; and (ii) quality of care, at the service provider level.

Intrinsic motivation matters more: Many CATCH-FI participants in the intervention arm highlighted the importance of intrinsic motivation in their decision to follow up with their case managers and remain engaged in their care plan. These participants explained that their motivations were internal and primarily focused on improving their immediate circumstances of homelessness and poor health—get [ing] out of the shelter system, find myself an apartment, try to get back to work, get off [financial assistance]’ (P4025)—in addition to the overarching desire for personal improvement. As one individual described, their decision to engage ‘wasn’t for the money. It was for the better of me’ (P4106). Others echoed that FI was relatively less meaningful compared to this internal drive: [Financial incentives] are not like the pinnacle of why I’m doing it. I’m trying to better myself... to get out of this... I don’t want to be stuck’ (P4068). For this subgroup of CATCH-FI participants, intrinsic motivation was paramount in their decision to engage: the ‘desire to get better, to get out of where I am. That is core’ (P4092). CATCH-FI participants enroled in the usual care arm echoed this perspective, with one individual suggesting ‘any person who wants help is probably going to seek the help whether there’s a financial incentive or not’ (P4126).

Quality of care is a stronger hook: For other CATCH-FI participants in the intervention arm, it was the quality of care provided by the programme as a whole and by individual staff members that primarily influenced their decision to engage in care. As one individual described the programme, ‘this is a lifesaver... my life was saved... that’s why I would have done it regardless’ (P4061). This subgroup suggested they were particularly engaged by CATCH service providers who actively listened and addressed their needs. One participant explained how they ‘already enjoyed meeting with [case manager] and having someone I could talk to... who actually understood and didn’t try to cut me off... someone who actually looked at me’ (P4004); and another expanded, ‘mainly I went to see him because he provided results and helped me with my healthcare... because of him, I would have gone to see him anyway. Every week, regardless’ (P4023). CATCH-FI participants enroled in the usual care arm similarly echoed their counterparts’ perspective in articulating that an FI ‘would be nice, but that wouldn’t have been more of an incentive – I mean, at least not for me because I was getting so much out of the program’ (P4057).

In contrast to the majority of CATCH-FI participants speaking to relatively more important facilitators of engagement, only one frontline service provider or key informant similarly noted that FI might be a less impactful motivator:

The financial incentive I think is very important for certain kinds of clients who that is their focus, but I think a lot of people are just really hungry for that engagement in someone that's looking out for them and they trust. (FG3)

This group of stakeholders did, however, articulate a scenario in which FI could be used to support initial engagement while service providers work toward building trust through the sustained high quality of care. For example, CATCH service providers and key informants described how the prospect of an FI can support initial engagement by ‘tip[ping] the balance’ (SP5) and ‘provid[ing] a moment in time to help with building that connection’ (SP3) to ‘get them through the door for the first part. Then the second part would be following through with what they've identified they want help with’ (SP3).

‘Money talks': The utility of financial incentives in supporting health and well-being

Participants across stakeholder groups agreed that FI directly supports health and well-being; all 22 CATCH-FI participants described examples of how receiving FI did or would have improved their health status with five of 12 CATCH-FI service providers and key informants providing similar perspectives. Overall, study participants described two primary mechanisms by which FI was used to support their health and well-being: the fulfillment of basic needs and simple pleasures.
Addressing basic needs: Study participants, including over two-thirds of CATCH-FI participants, described how FI afford more opportunities to meet basic needs that directly support health and well-being, such as satisfying hunger, taking prescribed medications and reducing stress. As one CATCH-FI participant in the intervention arm described, ‘It had a mental health impact, yes. And yeah physical health “cause I was able to eat... I was going like entire days without food’” (P4010). Other CATCH-FI participants enrolled in the intervention arm described using the FI they received for food, medications, supplies, public transportation fare and to pay bills: basic needs that ‘reduce stress because I’m able to get the little things I need... that money allowed me to pay my cell phone bill and it left me a small amount to get the groceries I needed for the week’ (P4249). The experience was impactful for CATCH-FI participants, suggesting that the intervention ‘really helps financially when you’re on a very low fixed income... I use that money to be able to help me survive’ (P4061). CATCH-FI participants assigned to the usual care arm similarly described that receiving FI would be useful in directly enabling individuals to meet basic needs that are essential to health and well-being:

I do think [financial incentives] are really, really... useful because there comes a point when you’re too broke to do anything. Like it’s all well and good that you’ve made all these appointments and you have all these dreams but when it really comes down to the nitty gritty, if you don’t have money, you can’t afford to do it. You can’t afford to go see your doctor because you can’t afford bus fare. You can’t afford to get a job because you can’t afford interview clothes. (P4031)

CATCH service providers and key informants similarly highlighted the perceived utility of FI in meeting basic needs to support health and well-being: ‘I think that realistically, incentives do support people being able to maintain their wellness and engage in care’ (HP5). For example, CATCH service providers described how incentives in this study were used practically by CATCH-FI participants ‘to get from one appointment to the next and to accomplish some of these very important tasks that they need to do: to get their ID, or meet up with a doctor... get their medication’ (FG5). Overall, this stakeholder group generally agreed that the use of FI can positively support the health and well-being of this population insofar as ‘anything that may be able to help people stabilize those basic needs is critical to supporting their ability to engage in slightly less pressing health and social care’ (HP6).

Allowing for simple pleasures: Similar to meeting basic needs, FI allowed CATCH-FI participants to experience simple pleasures, small gains or rewards that directly improved their mental health and well-being by relieving stress or giving them an enjoyable experience to anticipate. CATCH-FI participants enrolled in the intervention arm described the positive emotions experienced after spending their incentives on small items, such as coffee, restaurant food and cigarettes; one individual reported purchasing illegal drugs with the incentive. Overall, participants in this study consistently described perceived positive impacts on mental health and well-being as a direct result of receiving an FI. For example, one individual described their experience as follows:

It makes you feel better when you have money to spend on yourself... With the financial incentive, I found it gave me something to look forward to. It’s like, ‘Yeah, I can have McDonald’s and give myself a little treat... It helped better my life. It helped pull me ahead, basically.’ (P4010)

CATCH-FI participants in the usual care arm similarly perceived that a financial incentive would improve their mental health and well-being, suggesting that ‘if you don’t feel so destitute and broke all the time, it’s gonna lift up your spirits, for sure’ (P4057). While many CATCH-FI participants spoke of the importance of simple pleasures and their impact on well-being, CATCH service providers and key informants did not describe this potential utility of FI for the study population.

4 | DISCUSSION

This qualitative study explored stakeholder perspectives on the use of FIs to support service engagement and improve health and well-being among adults experiencing homelessness and mental illness in a large urban centre in Canada. Consistent with prior research, our findings suggest that FI may successfully facilitate service engagement for some service users. A subset of service users in this study described the prospect of immediate financial gain as an externally motivating factor that encouraged continued contact with service providers. These findings are consistent with behavioural health economics principles, which suggest extrinsically motivated individuals and those particularly biased toward present and immediate rewards may be especially likely to respond to FI.17,27,28

Our findings are unique, however, in identifying that the majority of service users perceived FI to be less impactful than other key facilitators of service engagement. In particular, service users highlighted the relatively greater value of intrinsic motivation, which renders FI extraneous. This finding aligns with self-determination theory29,30 and previous literature, suggesting intrinsic motivation is a key ingredient in initiating and especially sustaining health behaviours.31–33,57,58

Our study findings also speak to the importance of quality of care, which emerged as another key facilitator of service engagement across all stakeholder groups. Many service users in this study described how perceived quality of programming and quality of relationships with case managers independently motivated their decision to engage above and beyond the influence of FI. This finding reiterates the central role of high-quality, client-centred and relationship-based models of care in sustaining engagement in this population. And while our findings indicate quality in and of itself motivates engagement, literature also suggests high-quality services can support engagement by facilitating intrinsic motivation.31,57,59
Within the context of incentive-based interventions, further research elucidating the relationship between quality of care and motivation in service engagement is warranted.

Taken together, particularly among the subset of service users who might want or need an extrinsic motivator to support initial engagement, our findings suggest that FI may offer an effective opportunity to initially engage or ‘hook’ some service users; and that a complementary focus on the quality of care by service providers may further help sustain engagement. The need to enhance sustainability is consistent with findings from a recent qualitative study in which FI were associated with initial motivation to engage in low-barrier human immunodeficiency virus care but were less effective in facilitating sustained engagement14; and reviews of existing quantitative evidence indicate FI is particularly effective for singular behaviours21 and short-term engagement and behaviour change.18

Beyond the direct influence on service engagement, participant narratives consistently described clear, positive impacts of FI on health and well-being. Primarily, participants described that FI enabled them to afford basic needs (e.g., food, transportation fare, bill payments) and to enjoy simple pleasures (e.g., coffee, entertainment) that were in turn perceived to directly support their physical and mental health and overall sense of well-being. That only one service user reported using their FI to purchase illegal drugs is consistent with previous research62,63 and noteworthy, considering that a key criticism of this engagement strategy is the potential to exacerbate substance use.18,34 As suggested by service providers in this study, it is possible that helping service users fulfill basic survival and immediate needs may additionally support service engagement. Given the limited literature on this topic, further research into the mechanisms by which FI may directly and indirectly support engagement is needed.

A final notable finding in this study is the divergence in stakeholder perspectives. Overall, service providers consistently expressed the view that FI would likely support service engagement of adults experiencing homelessness and mental health needs. This perspective reflected the assumption that the perceived utility of FI, specifically among this population who lack basic health, social and financial capital, was or would be high and sufficiently motivating to independently drive service engagement. This stakeholder perspective stands in significant contrast to the majority perspective among service user participants, two-thirds of whom articulated that FI alone were not or would not be a significant influence on their decision to engage in care. This divergence suggests stakeholders may differentially perceive utility and ascribe value to FI. Further research and a better understanding of service user perspectives on the extent to which, how and why FI are useful will be essential to designing and implementing acceptable client-centred and context-specific interventions to promote engagement.

5  |  STRENGTHS AND LIMITATIONS

This study is part of a larger mixed-methods RCT and our findings are strengthened by a methodologically rigorous design. Our resulting rich, multistakeholder narrative data add high-quality evidence to an underdeveloped literature base and significantly improve our understanding of the perceived impact of using FI to support engagement, health and well-being in an underserved population. Our findings from a large urban centre are context-specific and reflect the experiences and potential biases of study participants. Nonetheless, our findings may be helpful to other programmes or jurisdictions considering alternative strategies to improve engagement among people experiencing homelessness and mental illness and other underserved populations.

Study limitations include the cross-sectional design and the narrow demographics of the qualitative sample, which was primarily male, Caucasian and at least high school-educated. Differences between this qualitative sample and the overall trial sample may reflect, in part, the purposive sampling strategy. The study team made several attempts to ensure a representative sample, including through the expansion of eligibility criteria, but recruitment remained challenging by reasons such as poor health status, nonresponse to invitations to participate and refusal to participate. Although sample characteristics were generally representative of the larger trial population, participants with different sociodemographic, health status and service engagement profiles may perceive and experience FI differently.

5.1  |  Future research

Given the paucity of research in this area, and the need for interventions to improve service engagement of underserved and disadvantaged populations, further research is warranted to compare and contrast various engagement strategies using rigorous methods and large study samples. In particular, additional research should investigate how FI may be timed and dosed to enhance other facilitators of service engagement, such as intrinsic motivation and quality of care. Further, in addition to high-quality evidence on effectiveness, more research is needed on the ethicality, acceptability and feasibility of this approach within and across diverse subpopulations and service settings. Ethical concerns, including perceived coercion and unintended consequences, remain key barriers that have resulted in underrepresentation in research and practice of a promising intervention.

5.2  |  Conclusions

Key stakeholders described that FIs may improve service engagement among some adults experiencing homelessness and mental illness. Stakeholders also described that FIs positively impact health and well-being, easing financial stress and enabling deeper attention to individual health needs. Findings from this study add to an underdeveloped literature base on stakeholder perspectives and experiences of using FIs to improve engagement, health and well-being of homeless adults with mental health needs.
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CONFLICT OF INTERESTS

The authors declare that there are no conflict of interests.

AUTHOR CONTRIBUTIONS

All authors contributed significantly to this manuscript. Nadine Reid led the interpretation of results and drafted the manuscript. Rebecca Brown and Cheryl Pedersen participated in study coordination, data collection and analysis and editing of the manuscript. Nicole Kozloff and Alexandra Sosnowski contributed meaningful edits to the manuscript. Vicky Stergiopoulos is the primary investigator who overall conceived of and supervised this study and drafting of the manuscript.

DATA AVAILABILITY STATEMENT

Data are available through the corresponding author upon request in accordance with Unity Health Institutional policies.

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