1		
2	Older adults' and service	ce providers' experiences of a settings-based health promotion
3		initiative in English football
4		
5	Patricia C. Jackman ^a , Aoife	Lane ^b , Jacquelyn Allen-Collinson ^a , Hannah Henderson ^a
6	^a School of Sport and Exerci-	se Science, University of Lincoln, Lincoln, UK
7	^b Department of Sport and I	Health Sciences, Technological University of the Shannon, Athlone
8	Ireland.	
9		
10	Corresponding author: Patr	icia Jackman, Email: pjackman@lincoln.ac.uk, School of Sport and
11	Exercise Science, University	of Lincoln, Lincoln, UK
12		
13	ORCID	
14	Patricia C. Jackman	0000-0002-5756-4494
15	Aoife Lane	0000-0001-9991-554X
16	Jacquelyn Allen-Collinson	0000-0003-2146-8000
17	Hannah Henderson	0000-0002-2742-4909
18		
19	The authors have no conflict	of interest to declare.
20		

21 Abstract

The study was undertaken to explore the experiences of older adults and service providers in a settings-based health promotion initiative in a football club. We conducted semi-structured interviews with 10 older adults attending an 'Extra Time Hub' and two staff delivering the initiative. Our reflexive thematic analysis generated six themes. Findings revealed the brand of the sports club attracted some to join the Extra Time Hub, but through partnerships with local agencies, the initiative was also successful in widening participation beyond older adults with an interest in football. Participants perceived that the Extra Time Hub was beneficial for their mental health, helped them develop social connections, and promoted positive physical activity experiences. Moreover, the variety of pleasures derived from participation were also discussed. Our findings also illustrate the central role of staff in older adults' experiences of this form of health promotion. Overall, our findings contribute to understandings of settings-based health promotion activities in sports clubs, and also demonstrates the potential for sports clubs to widen engagement with the local community through health promotion for older adults.

Keywords: physical activity; sports club; community; ageing.

Older adults' and service providers' experiences of a settings-based health promotion initiative in English football

Methods

Older adults (n = 10) and service providers (n = 2) in a health promotion initiative in football



Interview to explore participants' experiences of taking part in or delivering the initiative



Jackman, P. C., Lane, A., Allen-Collinson, J., & Henderson, H. (2023). Older adults' and service providers' experiences of a settings-based health promotion initiative in English football. *Health Promotion International*.

Findings

• The **brand of the football club** was a hook to join for some, but not for all





- Perceived improvements in mental health
- Physical activities promoted **enjoyment** and basic psychological needs



• Supportive staff were key to the experiences of older adults



38

39 Introduction

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

Promoting health and wellbeing as people age has been highlighted as a global priority (World Health Assembly, 2020). One approach to promote health and wellbeing in older adulthood is frequent physical activity (National Institute on Aging, 2022). Being physically active in later life reduces the risk of cardiovascular disease (Soares-Miranda et al., 2017), osteoporosis (McMillan et al., 2017), cognitive impairment (Zhu et al., 2017), and mental ill-health (Cunningham et al., 2020). Furthermore, physical activity in older adulthood can promote pleasure and a sense of wellbeing (Allen-Collinson et al., 2011; Phoenix et al., 2014; Williams et al., 2018) and facilitate social interactions (Franke et al., 2017). To improve the wellbeing and independence of older adults, service providers, practitioners, and commissioners have been advised to establish initiatives to help older adults build or sustain social participation and engage in tailored, community-based physical activity (National Institute for Health and Care Excellence, 2016; Wolter et al., 2021). In this article, we report on a qualitative research project that explored older adults' and service providers' perspectives on a community-based, physical activity health promotion initiative delivered within a sports club; a setting increasingly being used to promote physical activity and health across the lifespan.

Settings-based approach to health promotion

Settings are places where people live, learn, work and play, and where their health may be impacted by environmental, social, organisational and personal factors. Engaging people with health promotion in settings and making these contexts more supportive of health is one of the original and lasting principles of health promotion, as defined in the Ottawa Charter (World Health Organisation [WHO], 1986). Subsequently, cities, schools and workplaces have become established contexts for implementing a settings-based approach to health promotion, typically

adopting individually-oriented interventions rather than targeting change to the broader setting itself (Kokko and Baybutt, 2022; Newman et al., 2015). This individually-oriented approach reflects a 'passive', 'active' or 'vehicle' model, where the setting offers access to participants for various health promotion initiatives, while also striving to provide some internal education and policy change around specific health topics. In contrast, an 'organic' or 'comprehensive' approach involves alignment of the core business of the setting with health and, as a result, seeks changes to the setting culture and structure (Whitelaw et al., 2001). Here, settings are systems with actions underpinned by a socio-ecological approach to health (Dooris, 2004) that should extend beyond the system itself to consider broader collaborations, relationships and interconnectedness (Rutter et al., 2019).

In the early, 2000s, the sports club was recognised as a setting where the whole system of the club and external actors could impact positively on the physical, mental and social health of members (Van Hoye et al., 2022). A health-promoting sports club (HPSC) model has since been established and refined to support implementation of HPSC activities. These may be targeted to address cultural (e.g., club policy), environmental (e.g., facilities, expertise), social (e.g., attitudes to sport and health promotion) and economic (e.g., time and money) determinants of health in the club, and delivered across all levels, from club policy to coach-player interactions (Kokko et al., 2014; Johnson et al., 2019; Van Hoye et al., 2020). There have been many subsequent efforts to understand, describe and deliver health promotion in sports clubs in Europe and worldwide (Kokko et al., 2016). In turn, Geidne and Van Hoye (2021) differentiated between types of health promotion activity in sports clubs, suggesting that these can range from communicating the health benefits of participation in sport through to using sports settings to deliver health promotion activities aimed at specific groups. Such health promotion initiatives are accessible and feasible

for most sports clubs, while some can evolve to a HPSC, which involves the sport club system embracing health promotion in all of its activity. This is more complex and challenging to deliver, requiring commitment and investment by national sporting organisations (Lane et al., 2021). Van Hoye et al. (2021) proposed that indicators of a HPSC include the promotion of health beyond physical activity or a singular topic, engagement with internal and external partners, and establishing a long-term commitment to health promotion. Recent reviews of health promotion interventions in sports clubs (McFayden et al., 2018; Geidne et al., 2019) have indicated that this activity is continuously growing. Despite this, evidence of the health impacts for any type of health promotion activity in sports clubs is lacking, largely due to poor research design and evaluation, alongside few examples of HPSCs.

Health promotion in football clubs

Football¹ is one of the most popular sports in the world and, therefore, it is unsurprising that a football setting was found to be the most used sport context for health promotion (Geidne et al., 2019). Programmes have focused on healthy stadium environments (Drygas et al., 2013; Van Hoye et al., 2022), coach and youth player health education (Fuller et al., 2017), player welfare (Sadisgursky et al., 2017), and community health initiatives using professional soccer clubs as a setting for programme delivery (Lozano et al., 2019; Pringle et al., 2021; Robertson et al., 2013; Wyke et al., 2019). A number of these community-based programmes, including the Football Fans in Training (FFIT), EuroFIT and Premier League Health (PLH) initiatives, are gender-sensitised programmes targeted at men, which include physical activity sessions and health education. Evaluations have shown a significant impact on weight loss, physical activity, diet and self-esteem (Wyke et al., 2019) and, importantly, emphasised the potential of sport, in this case football, in

¹ In this article, we use the term 'football' to refer to the sport of soccer, as is customary in the UK.

recruiting and maintaining participation of men in a health promotion initiative (Robertson et al., 2013; Geidne and Van Hoye, 2021).

A recent review of health promotion initiatives across European professional football clubs noted that most activity was oriented toward younger people (Roynesdal et al., 2021). This group offers a strategic return for clubs in terms of partnership and investment, thus positioning HPSC activity as corporate social responsibility (CSR) work for clubs (Lozano et al., 2019; Pringle et al., 2021; Roynesdal et al., 2021). Approximately one-third of European professional football clubs examined offered physical activity or healthy-eating programmes for adults (Roynesdal et al., 2021), but there was a relative paucity of evidence concerning initiatives for older adults. Sport participation, in an age-appropriate form that includes social interaction, is attractive for older adults (Jenkin et al., 2021) and sports-club membership has been found beneficial for this group (Watts et al., 2017). Several UK football-club based programmes, targeted specifically at older adults, have reported good recruitment and engagement, and positive impacts on social and psychological health, albeit with little notable impact on physical health outcomes (Bingham et al., 2014; Lozano-Sufrategui et al., 2017; Pringle et al., 2014; Parnell et al., 2015). In synthesising findings across this literature, offering a variety of activities, an emphasis on social interaction and inclusivity, and experienced practitioners were fundamental to older adults' engagement in programmes. Despite some progress in this area, additional research and practice linking and evaluating older adults' experiences in health promotion initiatives within sports-club initiatives is recommended (Wolter et al., 2021).

The current study

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

The aim of the current study was to explore the experiences of participants and service providers in the Extra Time Hub (ETH), an initiative delivered via football clubs and designed to promote

physical activity, health, and social connections among older adults. The English Football League Trust is the community arm of the English Football League and is responsible for advising, representing, supporting, and resourcing the club community organisations (CCOs) within each of the 72 clubs in the English Football Leagues, to create stronger, healthier, and more active communities (English Football League Trust, 2023). A growing body of literature has focused on health promotion initiatives in football clubs (Pringle et al., 2021; Roynesdal et al., 2021), yet scant attention has been directed towards the experiences of older adults within these contexts. Consequently, we sought to contribute original insights to literature on health promotion initiatives in sports clubs, and the broader literature on physical activities and active ageing. Our findings can also inform the design, delivery, evaluation, and promotion of analogous future initiatives.

140 Methods

Intervention context

Supported originally by funding from Sport England and the English Football League Trust, 11 ETHs were launched by CCOs linked to football clubs across England in 2019. The ETHs are weekly social gatherings at football clubs (e.g., stadia) that seek to bring people who are retired, semi-retired, or approaching retirement together to socialise and be active, with intended outcomes of the programme including improvements in participants' physical and mental health, life satisfaction, and sense of belonging within their neighbourhood and community. The football club germane to the study, located in the Midlands region of England, had a professional men's team that competed in one of the lower tiers of the English Football League, and an amateur women's team that competed in a national league run on a regional basis. The CCO's premises were based at the football club's stadium, but it delivered activities in a wide range of locations, including within the club grounds (e.g., within the stadium, adjacent football pitch) and in community venues

across the city and region. Activities for the ETH at the CCO have been delivered on a weekly basis since 2019 in a football club's: city-centre stadium and adjacent football pitch; at several community venues across the city; and via online Zoom calls, which were necessary during periods when movement restrictions were in place during the COVID-19 pandemic. The mission of the CCO is to improve the physical, mental, and social wellbeing of individuals and the local community through work in several key areas, including sport and physical activity, health and mental wellbeing, and inclusion and community cohesion.

The main ETH session took place on Wednesday mornings for two hours. During this session, which cost £3 to attend, hub members could engage in different activities, including quizzes, bingo, and physical activities (e.g., bowling, table tennis). Light refreshments were also provided, giving attendees a chance to socialise before, during, and after sessions. Additionally, several other activities linked to the ETH were available throughout the week, both within the football stadium grounds (e.g., seated exercise sessions, walking football) and at community venues (e.g., local parks, new age kurling) within a 15-minute drive of the stadium. Some activities were free (e.g., wellbeing walks at local parks), whilst for others, a £2 fee was paid for facility hire. All sessions were delivered and facilitated by employees of the football club's CCO. Older adults (over 55s) were recruited via club communication channels (e.g., website, match programmes, social media, contact with season-ticket holders), local media adverts, partner health services (i.e., via social prescribing) or charitable organisations for older adults, and by word of mouth.

Research design

This study was underpinned philosophically by ontological relativism and a subjective epistemology, where data represent a co-construction of knowledge between researcher(s) and

participants (Tamminen and Poucher, 2020). A semi-structured interview approach was employed, as we sought to generate rich, detailed accounts from older adults and service providers at the ETH. Aligned with our epistemological position, we recognised the importance of being reflexive about our own positions and how these shaped the construction of knowledge. All research team members had extensive qualitative research experience, including in community-based health promotion activities and/or sports clubs. In reflecting critically on our situatedness, we fully acknowledge limitations in our lived experience of participants' lifeworlds, as most of the researchers were younger than participants, all identified as female, and were physically active.

Procedures

Ethical approval for the study was provided by the first author's institution's research ethics committee. Individuals were eligible to take part in the study if they were (1) a participant in the ETH at the football club focused upon in the study, or (2) a staff member delivering activities at the same ETH. In October 2021 – February 2022, the CCO shared the study information via email with over 150 eligible individuals who had taken part in ETH activities, with the same information shared with both staff involved in delivering the programme in May 2022. No incentive was offered for participation. In total, 10 primarily White-British (90%), older adults (female n = 6, male n = 4), who had been attending the ETH for 3-24 months, were recruited. Two staff members (female n = 1, male n = 1) took part, one of whom had been involved in delivering the programme since it commenced in 2019, and the other since 2020. Most participants attended the ETH stadium session on Wednesday mornings (n = 7), with the other three participants attending activities specific to older adults linked to the hub (i.e. wellbeing walks and walking football). Five self-identified as supporters of the football club (n = 3) and/or other football clubs (n = 2). Interviews were conducted face-to-face with the ETH participants (ETHP) from October, 2021-April, 2022

(M length = 56 minutes) and online via Microsoft Teams with staff in June - July, 2022 (M length = 32 minutes). During this time, all activities were being delivered in person, although some ETHPs attended activities delivered virtually during the COVID-19 pandemic. To aid contextualisation and familiarisation and enrich the data, the first author attended the ETH on some Wednesday mornings. Most ETHP interviews (n = 9) were conducted by the first author, with the remaining ETHP and both staff members interviewed by the third author. The semi-structured interviews explored key areas via curiosity-driven questions (Smith and Sparkes, 2016) that generated information about: how ETHPs became involved in the ETH; their perspective on the ETH as an initiative; and the meaning of taking part in the activity for them. In the case of staff members, interview discussions focused on: the role staff played; their experiences of delivering the ETH; and challenges they faced working on the programme. Before the interviews concluded, participants were offered an opportunity to add further information. All interviews were audio-recorded and transcribed verbatim by the research team.

Data analysis

Our analysis drew on principles for reflexive thematic analysis (Braun and Clarke, 2019, 2021), involving recursive shifts between stages. The first author led analysis of the ETHPs' transcripts, with the third author leading analysis of the staff members' transcripts. After enhancing familiarity with the dataset through reading and re-reading the transcripts, we identified meaningful segments of text and labelled these as codes. For example, the segment, 'As soon as I go in there today, we will feel as though we are all friends', was coded as 'forged new friendships through the ETH'. After developing initial codes, these were reviewed and codes considered to hold shared meaning were grouped into more substantive, overarching candidate themes. For instance, the codes, 'forged friendships' and 'a chance to have a conversation', were combined within the theme

'Friendships, conversation, and keeping me connected'. Throughout our analysis, we engaged with extant literature to deepen our interpretations. The first and fourth author worked together as 'critical friends' (Smith and McGannon, 2018), combining our respective analyses, challenging each other's interpretations, and (where relevant) offering alternative interpretations, drawing on our different disciplinary backgrounds. Subsequently, the first author re-engaged with the analysis, dataset, and also literature that could aid interpretations, together with critical dialogue with the second author. At the conclusion of this process, we wrote up our six themes, using participant quotes to highlight their 'voices', and literature to demonstrate our interpretative analysis.

Findings and Discussion

'The power of the badge?' An allure for some, but not for all

Similar to past research with older adults in football-based health promotion activities (e.g., Parnell et al., 2015; Pringle et al., 2014), the connection with a football club provided a 'hook' for some ETHPs. Six ETHPs (female n = 3, male n = 3) were football supporters, with five being past or current supporters of the club. ETHP 1 initially became aware of the ETH through an online fan forum, explaining that the connection with the football club was a salient reason for joining:

I didn't really know what it was, but anything that was with the club in the [club social area] and associated with the football club, to me, it is always going to be a bonus anyway.

As I started to learn a bit about this and a bit about that, I thought 'great'.

Likewise, from a staff perspective, the club 'brand' was considered important for promotion and viewed as the 'driver' at the outset. Although the allure of the football club was important for some, a football allegiance was not necessarily a hook for others. Similar to previous HPSC research in Ireland (Lane et al., 2021), the ETH successfully recruited non-sports club members, in turn providing an enhanced reach into the community ETHP. Accordingly, the affiliation with

health, supported by partnerships with relevant agencies and a credible club governance model, appeared to open the gates of the football club to other older adults in the community. ETHP 7 had previously been a supporter of the football club, but only became aware of the ETH through social prescribing. When asked about how she joined the ETH, she responded:

I think it was the local social services. They sent me details about the hub, when I think I'd spoken to them about my partner's needs and my needs and what was going on at home.

So, they sent me an email about this, and I thought it would be worth a try.

Similarly, another participant reported joining through social prescribing, while the remaining three non-football club supporters joined the ETH due to partner organisation connections (e.g., Age UK, army veterans club). Although these participants had limited interest in football, none stated that this limited their ability to feel included, with social inclusion aided by the lack of emphasis placed on football during activities, both by staff and other attendees. Furthermore, some felt that physically locating activities outside the football stadium widened the potential catchment area:

With the [football club community trust] coming into being, it has shown the public and those who want to take it up, it isn't just a football club. It does take in the community. I think that as far as going on the walks and that, they do get quite a few people who do the walks in their own areas, which shows that the football club actually covers a bigger area than just this stadium. (ETHP 6)

Despite these positive reports, it was felt that many might be unaware of the ETH and that the football club connection could lead some to assume a football interest was requisite to feel welcome: 'I am sure there are still people who might see [the crest], and then if it is [community arm of football club] with [crest], then they can't go because they have no affiliation to the club'

(ETHP 1). Overall, these findings demonstrate that the association with a football club helped to reach individuals with an interest in football, and that partnerships with local partner agencies facilitated engagement with a wider range of older adults, thus broadening the reach of the health promotion initiatives in the sports club within the community.

'I don't want anything competitive at my age, you are there to enjoy it'

One objective of the ETH is to increase the quantity of physical activity in previously 'inactive' and 'active' older adults, yet none of the ETHPs stated that increasing physical activity was a core motivation for joining. Although our study did not seek quantified physical activity data, most participants were already active to some degree prior to commencing the ETH and tended to report limited impact on the *quantity* of physical activity they undertook. In contrast to the lack of perceived impact on quantity, however, participants clearly identified the impact on the *quality* of their physical activity experiences. At the core of such quality lay hedonic aspects of physical activity, with enjoyment, fun and relaxation reported by many. Enjoyment of physical activity is associated with longer-term engagement (Allen-Collinson et al., 2011; Williams et al., 2008), and experiences of fun and enjoyment were widely discussed by participants. Most also commented positively on the unpressurised, non-competitive atmosphere involved:

It is very relaxed. You can play table-tennis, I am not any good at it, but you can just take part in things without feeling you have to be an expert. It is not competitive. It is just done purely for fun, which I think is important, I think. (ETHP 7)

Why is that important? (Interviewer)

I don't want anything that is going to be competitive, not at my age. You are just there to enjoy it. It is just about enjoyment. (ETHP 7)

The importance of non-competitive physical activity resonates with other research on physicalactivity programmes (e.g., Allen-Collinson et al., 2011). The psychological benefits of novelty (Gonzalez-Cutre et al., 2016) and perceived variety (Dimmock et al., 2013) were discussed by ETHPs, and considered helpful for promoting fun and enjoyment, a point further reaffirmed by staff. Another salient element in promoting enjoyment was the importance of engaging in physical activity socially, a theme we expand on below. For instance, ETHP 1 pointed out that, 'going for walks with four people or six people, like I have been on two already this week, I find this more enjoyable than going on my own or just me and the dog'. Alongside this, participants commented on the enjoyment of being able to choose the type, intensity, and duration of (physical) activities, being able to move in a way that suited their competence. Using self-determination theory (Deci and Ryan, 2000) as an interpretative lens, the physical activities offered, and the experiences of participants in these activities, appeared to enable the ETHPs appeared supportive of the basic psychological needs of competency, autonomy, and relatedness. Whilst these findings offer limited evidence to suggest perceived changes in physical activity, participants commented positively on various qualitative aspects that enriched their experiences of being physically active (see later sections).

Friendships, conversation, and social connectivity

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

Aligning with the English Football League Trust's (2022) aspirations, this theme portrays the social benefits of the ETH reported by all participants. Social isolation and loneliness are risk factors for poor health (Coyle and Dygan, 2012) and concerns about social isolation and loneliness have grown since the COVID-19 pandemic (Wu, 2020). Similar to other community-based health promotion initiatives for older adults (e.g. Simes et al., 2023), the ETH enabled participants to meet people, engage in conversation, and build new friendship networks. Some, especially those

who lived alone or often spent lengthy periods of time at home during their week, reported that connecting with other people at the ETH was important for addressing social isolation:

It does make me feel better, you know if you are stuck at home and down today, just to get out and talk to somebody is good. There are days when apart from talking to my partner, who hasn't got much conversation, I don't talk to anybody else. And I think we all need that. We all need social interaction. (ETHP 7)

Alongside addressing social isolation, participants commented on how the ETH reduced loneliness. As ETHP 5 stated: 'It stops me from feeling lonely, and if I could encourage other people to come here and not feel lonely and be part of it, then that is great'. Likewise, staff also recognised that the ETH was about building connections and friendships rather than the activity *per se*. Meeting new people had also provided ETHPs with social support, broadened their outlook on life, and developed new understanding of their community. Moreover, socially connecting with people made some more willing to converse and partake in social activities:

I think it has made me a better person. I can see that if I don't do a lot, I can fall back into my shell a little bit, so it has definitely influenced me, because when you get there, people there probably think I talk a lot more than I do, because if I didn't go out or just saw one person, I would be a lot quieter. (ETHP 1)

Consistent with the 'social cure' thread within research on social determinants of health (Haslam et al., 2018), our findings demonstrate the benefits of the ETH for older adults' social relationships, social interactions, and social support. More so, the social interactions at the ETH were also perceived as helpful for improving the mental health of participants, as we now elaborate.

'You definitely feel a lot better in your mental health'

The ETH had become an important way to protect and promote mental health, through the enaction of cognitive and social skills, helping participants cope with life events, and enabling performance of their social roles. For some, participation helped to protect against mental ill-health: 'I have a bit of PTSD [post-traumatic stress disorder], which this [ETH] helps me immensely with, because I don't have to sit and think about it' (ETHP 2). Linked to the previous theme, a salient pattern concerned the perceived mental health-enhancing impact of social interactions:

If I didn't come, I'll be sat at home. I'll be looking at the wall and you've got things going through your head all the time, saying 'no, no, not yet'. [When] You come here, there's none of that because first thing you do is [say] 'Morning. Morning everybody', and then as soon as someone sits next to you, you start talking and everything's gone. There's nothing, you know, I mean there's no depression there then, it's all gone because someone spoke to you...Hopefully they keep it going, because if they don't, all I'll do is, I'll sit at home again, do nothing. I've been miserable and I don't want to do that anymore. (ETHP 4)

As portrayed here, the ETH had become an important part of this participant's life and the thoughts of not being able to attend evoked worry. Likewise, ETHP 7 discussed feeling better after attending the ETH, explained how it helped her to cope, and outlined that because of these perceived benefits, the ETH had become a social priority in her week:

I feel better when I get home. I feel more able to cope, if you like. Yeah, it does you good. I look forward to coming. I try now to definitely keep Wednesday mornings free so that I can come here. So I say 'I can't do that on Wednesday because I come here'.

Alongside the mental health-enhancing benefits of social activity, several participants also discussed the perceived benefits of engaging in various cognitively-stimulating tasks (e.g., quizzes, sudoku). More broadly, some felt that taking part in the ETH had boosted their confidence in social situations and their self-worth. ETHP 8, for example, had returned to walking football, 20 years after retiring:

It gives me a feeling that I have still got something to give [pause], because when you are retired, unless you find other interests, you can be cast upon the heap and feel that you have not got any worth anymore, but this is something I want to do for *me*. It gives me a buzz, it gives me a feeling that I am doing some good.

Taken together, our findings clearly demonstrate that the ETH was perceived to have a positive impact on mental health.

The importance of pleasure

Recent critiques of physical activity health promotion have emphasised the need to shift away from dominant biomedical perspectives and an almost exclusive focus on health outcomes of physical activity (e.g., Pullen and Malcolm, 2018; Tulle, 2017; Williams et al., 2018), to more critically informed and diverse understandings of the meanings surrounding physical activity (e.g., Phoenix and Tulle, 2017). Consistent with such critiques, this theme demonstrates how the ETH was much more than an activity pertinent to quantifiable health-related outcomes. Although our study extends beyond solely physical activities, we draw here – at least in part – on Phoenix and Orr's (2014) typology, to interpret the pleasures of engagement in the ETH. Many participants commented on the pleasure of habitual action (see also Phoenix and Orr, 2014), such that the ETH gave a sense of structure, direction, and purpose to participants' everyday lives, something some felt they had lost since retiring:

Most people do need to do a little bit more physical and probably mental-type activities. So, if they can come somewhere like this and they can do a bit of walking football, a bit of walking cricket, a bit of health walks and all those kind of things, it's giving them something to look forward to. (ETHP 1)

As portrayed in the above extract, participants also reported feelings of anticipatory pleasure; thinking about the ETH elicited pleasant emotions. This was portrayed by ETHP 5, who drew attention to the pleasures of knowing that the ETH would be part of her day:

'When I think "what day is today?" [I think] "oh yeah [the Hub]" [smiling and excited] and you get your trainers on [pointing towards shoes] and your gear [points to jacket], and I am ready. Excitement. It's something to look forward to'.

For those who engaged in the wellbeing walks, the pleasures of sensory engagement in green spaces were also discussed. ETHP 10, for example, described a walk she had just completed: 'Today, we've been round here we have been looking at different birds and saying, "can you see so and so?" We discussed various flowers like there's some white violets down there'. These pleasures of sensory embodiment resonate with other research findings on physical-activity programmes (e.g., Allen-Collinson et al., 2011). As the group leaders and co-walkers drew attention to various aspects of the environment around them, this enriched the visual and auditory pleasures of walking, which helped to promote immersive pleasures (Phoenix and Orr, 2014). Although ETHP 3 found pleasure in the social interaction of the ETH walks, she also spoke about how conversation-free periods on the walk enabled sensory engagement with the wider 'soundscape' (Schafer, 1994) and the situated pleasures of the surrounding environment: 'I love it when we go for a walk because we don't have to talk. We could just walk, [and] listen to the birds as we are walking along'. In contrast, underscoring the importance of social interactions, the social

pleasures of the ETH were regularly discussed. For some, the ETH enacted the pleasures of giving and eliciting happiness and joy in others. When asked, 'Why is taking part in the ETH been worthwhile for you?', ETHP 2 said:

It has given me the satisfaction of being able to sit down and talk to people. I bring the dog in and all of these, I keep saying 'older people', they are all the same as me, and they say, 'can I give the dog [rubs fore finger and thumb to indicate food]?', [and I say] 'Yeah go on', and I can see the joy in their face to give my dog a bit of biscuit. If that is causing them five minutes of happiness, then so be it, we will bring the dog again. That's why I want to take part.

Here, ETHP 2 draws attention to the reciprocal pleasures derived from making others happy, further highlighting the role of the ETH as a health promotion initiative that can engender and promote pleasure among older adults.

Going above and beyond: the pivotal role of staff

Like many community-based, health promotion programmes in football (e.g., Bingham et al., 2014; Curran et al., 2014; Lozano-Sufrategui et al., 2017), staff were reported to play a pivotal role. The friendly and welcoming demeanour of staff was noted, with several participants commending how support from staff transcended the ETH programme. As ETHP 9 noted, 'If you have a problem outside the hub, each and every one of them would give you support if you needed it'. Paralleling past research (Lozano-Sufrategui et al., 2017), creating an atmosphere that fostered a sense of community and interpersonal bonds between participants was considered important for staff and ETHPs. For some, the care and support from the ETH staff had improved their state of mind:

They always have a smile on their face. They always have time for you. You can talk to them about your own problems, so without any doubt, you definitely feel a lot better in your mental health than if you hadn't come out. (ETHP 4)

referral, where knowledgeable, reassuring, and supportive instructors were considered invaluable (e.g., Moore et al., 2013). The importance of such qualities was noted by staff during the COVID-19 pandemic, when lockdown restrictions necessitated adaptation to services. During this period, befriending calls, shopping for people, and online meet-ups were organised for ETH members and season-ticket holders. Reaching out to the ETH members engendered realisation for the ETH staff:

The role of supportive staff resonates with other health promotion programmes, such as exercise

It really made us realise the need of people very locally to us, when we're finding all these people who were so lonely and they wanted someone to talk to every week and we realised actually, you know, there's people that had no one, no family, no friends in [place]. They couldn't even go and do their shopping, we realised kind of more what our role could be. (Staff 1)

The support that staff provided during the lockdown periods was appreciated by ETHPs who engaged with the club at this time. Connecting with ETH members during lockdown provided a vital support network to many, with the ETH subsequently increasing its membership by 300% upon returning to face-to-face activities. Staff spoke about then being focused on how they could develop the existing service and build a sustainable ETH.

Concluding Thoughts

The study explored the experiences of participants and service providers of a settings-based health promotion initiative for older adults, delivered by the community arm of an English League Football club. Our research demonstrates how the brand of a sports club, and in this case a football

club, can help attract older adults to partake in health-related activities. Furthermore, the ETH in the current study was also successful in widening participation, to include older adults with no allegiance to football, through effective referral mechanisms and promotion of the ETH with local partner agencies. Consequently, this emphasises the importance of dialogue between health services and sports clubs promoting health initiatives to ensure that awareness is raised about the activities on offer. Additionally, it demonstrates the potential for sports clubs to widen engagement with the local community through an affiliation with health promotion (Lane et al., 2021) for, in this case, older adults.

Consistent with previous studies, we show that the sports club can be a valuable setting to promote health, with our research adding fresh insights to the small but growing corpus of evidence specifically on health-promoting initiatives for older adults in football clubs. Accordingly, our study demonstrates the potential for perceived improvements in mental health, quality of physical activity experiences, and social connectedness through engagement in the ETH. Whilst sport-related groups for older adults can have social and health benefits, our findings reinforce the importance of the role played by experienced staff in enabling this (Wolter et al., 2021). Although the long-term English Football League Trust model was intended to create a self-sustaining programme (i.e., members could be responsible for programme delivery on a voluntary basis), given the clear importance of staff for the experiences of the ETHPs, further consideration as to how a self-sustaining programme could be implemented (effectively) is warranted.

Theoretically, our study also makes a contribution to understandings of pleasure in older adulthood (Allen-Collinson et al., 2011; Phoenix and Orr, 2014; Tulle, 2017) and highlights the potential to diversify understandings of physical activity within health promotion initiatives in sports clubs. Drawing on elements of Phoenix and Orr's (2014) typology, we illustrated how

ETHPs sourced pleasure from sensory experiences, habitual action, and immersion through activities in the ETH. It should also be noted that the pleasures described by the ETHPs were not limited solely to physical activity, thus demonstrating a form of conceptual generalisability (Smith, 2018) with respect to Phoenix and Orr's (2014) typology of pleasures. Currently, the physical activity guidelines for older adults (Department of Health and Social Care, 2019) continue to emphasise the health benefits of physical activity, while sport-for-health promotional messaging tends to focus only on the health outcomes derived from participating in such activities (McFayden et al., 2018; Geidne et al., 2019). Based on our findings, and, specifically, the centrality of pleasures to the experiences of older adults, future efforts to promote physical activity and healthpromoting activities in sports clubs to this particular population could draw on co-production methods (Smith et al., 2022) to identify the messaging most suited to engaging older adults with health promotion initiatives within sports clubs. For instance, the possibilities of co-production to amplify pleasures are highlighted in recent research with disabled people, where unanimous support for emphasising the potential enjoyment of physical activity was obtained (Smith and Wightman, 2021). Therefore, attempts to promote physical activity in older adults through health promotion initiatives in sports clubs should embrace hedonic perspectives rather than rely on biomedical perspectives, ensuring that the pleasures of physical activity are emphasised.

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

Overall, our findings contribute to understandings of settings-based health promotion activities in sports clubs, particularly in relation to older adults in football clubs. Nevertheless, we acknowledge that the study focused on understanding the perspectives of a small number of older adults and staff involved in the ETH at one English League Football club. Thus, although our findings might hold the potential for naturalistic generalisability (i.e. through resonating with wider populations; Smith, 2018), further research is warranted to understand the experiences of

individuals in health promotion initiatives delivered for older adults in other sports and physical activities, countries, and cultures. Findings of the current study demonstrate that sports clubs that have staff members to organise and deliver activities, as well as links with partner agencies, have the potential to contribute positively to the lives of older adults through health promotion initiatives delivered within their club. Nevertheless, other sporting organisations have embraced networks of volunteers, specifically activating relevant skillsets, to support the delivery of health promotion in sports clubs, often with the support of health and sport agencies (Lane et al., 2021). The application of this volunteer-driven model to health promotion initiatives for older adults delivered in voluntary, grassroots sport clubs warrants further examination, as this could have far-reaching benefits for communities. Ultimately, with the increasing life expectancy of much of the global population, expanding the evidence base on settings-based health promotion initiatives for older adults within sports clubs more widely will better equip clubs to capitalise on the potential to utilise this setting as a vehicle to promote both pleasure and health-related outcomes.

506 References507 Allen-Collin508 eval

509

510

512

513

514

515

516

517

521

523

524

525

527

528

Allen-Collinson, J., Curry, N., Leledaki, A., Clark, M., 2011. Mentro Allan/Venture Out

evaluation: Lived experiences of physical activity in outdoor environments. Final report

to Sport Wales. Cardiff: Sport Wales/Chwaraeon Cymru.

https://doi.org/10.13140/RG.2.1.4160.3689

Bingham, D. D., Parnell, D., Curran, K., Jones, R., and Richardson, D. (2014). Fit Fans:

perspectives of a practitioner and understanding participant health needs within a health

promotion programme for older men delivered within an English Premier League

Football Club. Soccer and Society, 15(6), 883–901.

https://doi.org/10.1080/14660970.2014.920624

Braun, V., and Clarke, V. (2019). Reflecting on reflexive thematic analysis. *Qualitative*

Research in Sport, Exercise and Health, 11(4), 589–597.

518 https://doi.org/10.1080/2159676x.2019.1628806

Braun, V., and Clarke, V. (2021). *Thematic analysis: A practical guide*. SAGE.

520 Coyle, C. E., and Dugan, E. (2012). Social isolation, loneliness and health among older adults.

Journal of Aging and Health, 24(8), 1346–1363.

522 https://doi.org/10.1177/0898264312460275

Cunningham, C., O' Sullivan, R., Caserotti, P., and Tully, M. A. (2020). Consequences of

physical inactivity in older adults: A systematic review of reviews and meta-analyses.

Scandinavian Journal of Medicine and Science in Sports, 30(5), 816–827.

526 https://doi.org/10.1111/sms.13616

Curran, K., Bingham, D. D., Richardson, D., and Parnell, D. (2014). Ethnographic engagement

from within a Football in the Community programme at an English Premier League

529	football club. Soccer and Society, 15(6), 934–950.
530	https://doi.org/10.1080/14660970.2014.920627
531	Deci, E. L., and Ryan, R. M. (2000). The "What" and "Why" of goal pursuits: Human needs and
532	the self-determination of behavior. Psychological Inquiry, 11(4), 227–268.
533	Department of Health and Social Care (2019). "Physical Activity Guidelines: UK Chief Medical
534	Officers' Report". https://www.gov.uk/government/publications/physical-activity-
535	guidelines-uk-chief-medical-officers-report
536	Dimmock, J., Jackson, B., Podlog, L., and Magaraggia, C. (2012). The effect of variety
537	expectations on interest, enjoyment, and locus of causality in exercise. Motivation and
538	Emotion, 37(1), 146–153. https://doi.org/10.1007/s11031-012-9294-5
539	Dooris, M. (2004). Joining up settings for health: a valuable investment for strategic
540	partnerships? Critical Public Health, 14(1), 49-61.
541	https://doi.org/10.1080/09581590310001647506
542	Drygas, W., Ruszkowska, J., Philpott, M., BjOrkstrOm, O., Parker, M., Ireland, R., Roncarolo,
543	F., and Tenconi, M. (2011). Good practices and health policy analysis in European sports
544	stadia: results from the "Healthy Stadia" project. Health Promotion International, 28(2),
545	157–165. https://doi.org/10.1093/heapro/dar088
546	English Football League Trust (2022). Extra Time Hubs. https://www.efltrust.com/extratime/
547	Franke, T., Sims-Gould, J., Nettlefold, L., Ottoni, C., and McKay, H. A. (2021). "It makes me
548	feel not so alone": features of the Choose to Move physical activity intervention that
549	reduce loneliness in older adults. BMC Public Health, 21, 1-15.
550	https://doi.org/10.1186/s12889-021-10363-1

551	Moore, G. F., Raisanen, L., Moore, L., Din, N. U., and Murphy, S. (2013). Mixed-method
552	process evaluation of the Welsh National Exercise Referral Scheme. Health
553	Education, 113(6), 476-501. https://doi.org/10.1108/he-08-2012-0046
554	Fuller, C. W., Ørntoft, C., Larsen, M. N., Elbe, AM., Ottesen, L., Junge, A., Dvorak, J., and
555	Krustrup, P. (2016). "FIFA 11 for Health" for Europe. 1: effect on health knowledge and
556	well-being of 10- to 12-year-old Danish school children. British Journal of Sports
557	Medicine, 51(20), 1483–1488. https://doi.org/10.1136/bjsports-2016-096123
558	Geidne, S., Kokko, S., Lane, A., Ooms, L., Vuillemin, A., Seghers, J., Koski, P., Kudlacek, M.,
559	Johnson, S., and Van Hoye, A. (2019). Health promotion interventions in sports clubs:
560	Can we talk about a setting-based approach? A systematic mapping review. Health
561	Education and Behavior, 46(4), 592-601. https://doi.org/10.1177/1090198119831749
562	González-Cutre, D., Sicilia, Á., Sierra, A. C., Ferriz, R., and Hagger, M. S. (2016).
563	Understanding the need for novelty from the perspective of self-determination
564	theory. Personality and Individual Differences, 102, 159–169.
565	https://doi.org/10.1016/j.paid.2016.06.036
566	Haslam, S. A., McMahon, C., Cruwys, T., Haslam, C., Jetten, J., and Steffens, N. K. (2018).
567	Social cure, what social cure? The propensity to underestimate the importance of social
568	factors for health. Social Science & Medicine, 198, 14-21.
569	https://doi.org/10.1016/j.socscimed.2017.12.020
570	Jenkin, C. R., Eime, R. M., van Uffelen, J. G. Z., and Westerbeek, H. (2021). How to re-engage
571	older adults in community sport? Reasons for drop-out and re-engagement. Leisure
572	Studies, 1-13. https://doi.org/10.1080/02614367.2021.1888310

573	Johnson, S., Vuillemin, A., Geidne, S., Kokko, S., Epstein, J., and Van Hoye, A. (2019).
574	Measuring health promotion in sports club settings: A modified delphi study. Health
575	Education and Behavior, 47(1), 78–90. https://doi.org/10.1177/1090198119889098
576	Kokko, S. and Baybutt, M. (2022). Handbook of settings-based health promotion. Springer.
577	Kokko, S., Donaldson, A., Geidne, S., Seghers, J., Scheerder, J., Meganck, J., Lane, A., Kelly,
578	B., Casey, M., Eime, R., Villberg, J., and Kannas, L. (2016). Piecing the puzzle together:
579	case studies of international research in health-promoting sports clubs. Global Health
580	Promotion, 23(1_suppl), 75-84. https://doi.org/10.1177/1757975915601615
581	Kokko, S., Green, L. W., and Kannas, L. (2013). A review of settings-based health promotion
582	with applications to sports clubs. Health Promotion International, 29(3), 494-509.
583	https://doi.org/10.1093/heapro/dat046
584	Lane, A., Murphy, N., Regan, C. and Callaghan, D. (2021). Health promoting sports club in
585	practice: controlled evaluation of the GAA Healthy Club Project. International Journal
586	of Environmental Research and Public Health, 8, 4786.
587	https://doi.org/10.3390/ijerph18094786
588	Lozano-Sufrategui, L., Pringle, A., Carless, D., and McKenna, J. (2016). "It brings the lads
589	together": a critical exploration of older men's experiences of a weight management
590	programme delivered through a Healthy Stadia project. Sport in Society,, 20(2), 303-315
591	https://doi.org/10.1080/17430437.2016.1173912
592	Lozano-Sufrategui, L., Pringle, A., Zwolinsky, S., and Drew, K. J. (2019). Professional football
593	clubs' involvement in health promotion in Spain: an audit of current practices. Health
594	Promotion International, 35(5), 994-1004. https://doi.org/10.1093/heapro/daz097

McFadyen, T., Chai, L. K., Wyse, R., Kingsland, M., Yoong, S. L., Clinton-McHarg, T., 595 Bauman, A., Wiggers, J., Rissel, C., Williams, C. M., and Wolfenden, L. (2018). 596 Strategies to improve the implementation of policies, practices or programmes in sporting 597 organisations targeting poor diet, physical inactivity, obesity, risky alcohol use or tobacco 598 use: a systematic review. BMJ Open, 8(9), e019151. https://doi.org/10.1136/bmjopen-599 600 2017-019151 McMillan, L., Zengin, A., Ebeling, P., and Scott, D. (2017). Prescribing physical activity for the 601 602 prevention and treatment of osteoporosis in older adults. *Healthcare*, 5(4), 85. https://doi.org/10.3390/healthcare5040085 603 National Institute on Aging (NIA) (2022). Exercise and Physical Activity. 604 https://www.nia.nih.gov/health/exercise-physical-activity 605 Parnell, D., Pringle, A., McKenna, J., Zwolinsky, S., Rutherford, Z., Hargreaves, J., Trotter, L., 606 607 Rigby, M., and Richardson, D. (2015). Reaching older people with PA delivered in 608 football clubs: the reach, adoption and implementation characteristics of the Extra Time Programme. BMC Public Health, 15(1). https://doi.org/10.1186/s12889-015-1560-5 609 Phoenix, C., and Orr, N. (2014). Pleasure: A forgotten dimension of physical activity in older 610 611 age. Social Science and Medicine, 115, 94-102. https://doi.org/10.1016/j.socscimed.2014.06.013 612 613 Phoenix, C., and Tulle, E. (2017). Physical activity and ageing. In J. Piggin, L. Mansfield, and 614 M. Weed (Eds.), Routledge Handbook of Physical Activity Policy and Practice (pp. 264-615 273). Routledge. 616 Pringle, A. R., Zwolinsky, S., and Lozano-Sufrategui, L. (2021). Investigating the delivery of 617 health improvement interventions through professional football club community trusts-

618	strengths and challenges. Public Health in Practice, 2, 100104.
619	https://doi.org/10.1016/j.puhip.2021.100104
620	Pringle, A., Parnell, D., Zwolinsky, S., Hargreaves, J., and McKenna, J. (2014). Effect of a
621	health-improvement pilot programme for older adults delivered by a professional football
622	club: the Burton Albion case study. Soccer and Society, 15(6), 902-918.
623	https://doi.org/10.1080/14660970.2014.920625
624	Pullen, E., and Malcolm, D. (2017). Assessing the side effects of the "exercise pill": the paradox
625	of physical activity health promotion. Qualitative Research in Sport, Exercise and
626	Health, 10(4), 493–504. https://doi.org/10.1080/2159676x.2017.1388833
627	Robertson, S., Zwolinsky, S., Pringle, A., McKenna, J., Daly-Smith, A., and White, A. (2013).
628	"It is fun, fitness and football really": a process evaluation of a football-based health
629	intervention for men. Qualitative Research in Sport, Exercise and Health, 5(3), 419-439.
630	https://doi.org/10.1080/2159676x.2013.831372
631	Røynesdal, Ø. B., van Nassau, F., Chng, N. R., Pereira, H., Andersen, E., Bunn, C., Jelsma, J. G.
632	M., Nijhuis-van der Sanden, M. W. G., Roberts, G. C., Sørensen, M., van de Glind, I.,
633	van Actherberg, T., and Gray, C. M. (2021). Exploring the provision and motives behind
634	the adoption of health-promotion programmes in professional football clubs across four
635	European countries. PLOS ONE, 16(11), e0259458.
636	https://doi.org/10.1371/journal.pone.0259458
637	Rutter, H., Cavill, N., Bauman, A., and Bull, F. (2018). Systems approaches to global and
638	national physical activity plans. Bulletin of the World Health Organization, 97(2), 162-
639	165. https://doi.org/10.2471/blt.18.220533

640	Sadigursky, D., Braid, J. A., De Lira, D. N. L., Machado, B. A. B., Carneiro, R. J. F., and
641	Colavolpe, P. O. (2017). The FIFA 11+ Injury Prevention Program for Soccer players: a
642	Systematic Review. BMC Sports Science, Medicine and Rehabilitation, 9(1).
643	https://doi.org/10.1186/s13102-017-0083-z
644	Schafer, R. M. (1994). The soundscape: Our sonic environment and the tuning of the world.
645	Destiny Books.
646	Smith, B. (2017). Generalizability in qualitative research: misunderstandings, opportunities and
647	recommendations for the sport and exercise sciences. Qualitative Research in Sport,
648	Exercise and Health, 10(1), 137–149. https://doi.org/10.1080/2159676x.2017.1393221
649	Smith, B., and McGannon, K. R. (2018). Developing rigor in qualitative research: problems and
650	opportunities within sport and exercise psychology. International Review of Sport and
651	Exercise Psychology, 11(1), 101–121. https://doi.org/10.1080/1750984x.2017.1317357
652	Smith, B., and Sparkes, A. C. (2016). Interviews: Qualitative interviewing in the sport and
653	exercise sciences." In B. Smith and A. C. Sparkes (Eds.), Routledge Handbook of
654	Qualitative Research in Sport and Exercise (pp. 125-145). Routledge.
655	Smith, B., and Wightman, L. (2019). Promoting physical activity to disabled people: messengers
656	messages, guidelines and communication formats. Disability and Rehabilitation, 1-5.
657	https://doi.org/10.1080/09638288.2019.1679896
658	Smith, B., Williams, O., Bone, L., and Collective, the M. S. W. C. (2022). Co-production: A
659	resource to guide co-producing research in the sport, exercise, and health
660	sciences. Qualitative Research in Sport, Exercise and Health. Advance online
661	publication. https://doi.org/10.1080/2159676x.2022.2052946

Soares-Miranda, L., Siscovick, D. S., Psaty, B. M., Longstreth, W. T., and Mozaffarian, D. 662 (2016). Physical activity and risk of coronary heart disease and stroke in older 663 adults. Circulation, 133(2), 147–155. https://doi.org/10.1161/circulationaha.115.018323 664 Symes, L., Hadgraft, N., Marsh, P., Nuttman, S., and Kingsley, J. (2023). 'Surrounding yourself 665 with beauty': exploring the health promotion potential of a rural garden appreciation 666 667 group. *Health Promotion International*, 38(2), 1-10. https://doi.org/10.1093/heapro/daad010 668 669 Tamminen, K. A., and Z. A. Poucher (2020). Research philosophies. In D. Hackfort and R. J. 670 Schinke, The Routledge International Encyclopedia of Sport and Exercise Psychology, 671 (pp. 535-549). Routledge. Tulle, E. (2017). Becoming a hillwalker: incorporating history in understandings of physical 672 activity. Qualitative Research in Sport, Exercise and Health, 9(2), 170–182. 673 https://doi.org/10.1080/2159676x.2016.1270993 674 675 Van Hoye, A, Geidne, S., Seghers, J., Lane, A., Donaldson, A., Philpott, M. and Kokko, S. (2022). Health promotion in sports settings. In S. Kokko and M. Baybutt (Eds.), 676 Handbook of Settings Based Health Promotion (pp. 189-204). Springer. 677 678 Van Hoye, A., Johnson, S., Geidne, S., Donaldson, A., Rostan, F., Lemonnier, F., and Vuillemin, A. (2021). The health promoting sports club model: An intervention planning framework. 679 680 Health Promotion International, 36(3), 811-823. https://doi.org/10.1093/heapro/daaa093. 681 Watts, P., Webb, E., and Netuveli, G. (2017). The role of sports clubs in helping older people to 682 stay active and prevent frailty: A longitudinal mediation analysis. International Journal 683 of Behavioral Nutrition and Physical Activity, 14(1). https://doi.org/10.1186/s12966-017-684 0552-5

Whitelaw, S., Baxendale, A., Bryce, C., Machardy, L., Young, I., and Witney, E. (2001). 685 'Settings' based health promotion: a review. Health Promotion International, 16(4), 339-686 353. https://doi.org/10.1093/heapro/16.4.339. 687 Williams, D. M., Dunsiger, S., Ciccolo, J. T., Lewis, B. A., Albrecht, A. E., and Marcus, B. H. 688 (2008). Acute affective response to a moderate-intensity exercise stimulus predicts 689 690 physical activity participation 6 and 12 months later. Psychology of Sport and Exercise, 9(3), 231-245. https://doi.org/10.1016/j.psychsport.2007.04.002 691 692 Williams, R.K., Allen-Collinson, J., Evans, A.B., and Briggs, J. (2018). 'We may be falling apart 693 but we still keep going': Retired servicemen's experiences of their ageing bodies, *Qualitative Research in Sport, Exercise and Health, 10(2), 190-205.* 694 https://doi.org/10.1080/2159676X.2017.1366357. 695 Wolter, V., Dohle, M., and Sobo, L. (2021). Physical activities for older adults: Are local co-696 operations of sports clubs and care partners an option to increase access? German 697 698 Journal of Exercise and Sport Research, 51, 468-473. https://doi.org/10.1007/s12662-021-00761-3 699 700 World Health Assembly (2020). Decade of healthy ageing: The global strategy and action plan 701 on ageing and health, 2016–2020: Towards a world in which everyone can live a long and healthy life: Report by the director-702 703 general. https://apps.who.int/iris/handle/10665/355618 704 World Health Organization (1986). The Ottawa Charter. World Health Organization. Wu, S., Ning, H. T., Xiao, S. M., Hu, M. Y., Wu, X. Y., Deng, H. W., and Feng, H. (2020). 705

Effects of vibration therapy on muscle mass, muscle strength and physical function in

706

707	older adults with sarcopenia: A systematic review and meta-analysis. European Review of
708	Aging and Physical Activity, 17, 1-12. https://doi.org/10.1186/s11556-020-00247-5
709	Wyke, S., Hunt, K., Gray, C., Fenwick, E., Bunn, C., Donnan, P., Rauchhaus, P., Mutrie, N.,
710	Anderson, A., Boyer, N., Brady, A., Grieve, E., White., A., Ferrell, C., Hindle, E. and
711	Treweek, S. P. (2015). Football fans in training (FFIT): a randomised controlled trial of a
712	gender-sensitised weight loss and healthy living programme for men. Public Health
713	Research, 3(2), 1-129. https://doi.org/10.3310/phr03020
714	Zhu, W., V. G. Wadley, V. J. Howard, B. Hutto, S. N. Blair, and S. P. Hooker (2017).
715	Objectively measured physical activity and cognitive function in older adults. Medicine
716	and Science in Sports and Exercise, 49(1), 47-53.
717	https://doi.org/10.1249/MSS.000000000001079
718	