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Overweight and obese men’s experiences in a sport-based weight loss intervention for men

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ABSTRACT

In Western countries, such as Australia and the UK, a significantly greater proportion of men (relative to women) are overweight and obese, yet relatively few weight loss interventions have been developed that sufficiently target men. This lack of male-focused programming may be in part because ‘traditional’ weight loss programs are unappealing for what is considered a ‘hard-to-reach’ population. One program that appears to have such appeal for men is the MAN v FAT Football (MVFF) program, based out of the United Kingdom, which is designed for men with a body mass index of (or greater than) 27.5. MVFF encourages men’s participation in a community-based weight loss program that incentivizes weight loss through participation in a football league, and since 2016 MVFF has supported the weight loss efforts of several thousand men. Using MVFF as an exemplar, our aim was to derive insight into how men experience a male-only competitive, sport-based weight loss program. We recruited twenty-seven players (Mage = 41.13, SD = 9.93), and ten coaches (Mage = 31.8, SD = 11.55) from program locations throughout the United Kingdom. Using semi-structured interviews and thematic analysis, we identified several appraisal aspects of the program that players and coaches considered important, including the appeal of sport, competition on a level playing field, being part of a team, camaraderie, accountability, men sharing issues with other men, gender-sensitized environment, likeminded and similar men, and perceptions that traditional weight loss programs are tailored towards women. Player experiences (i.e., competence and enjoyment) and functional supports in the program (e.g., player handbook, weight loss coach) were reported to drive outcomes of effective weight loss and program retention. Interventions aiming to target men may be more successful working with rather than against formulations of identity such as masculinities, and this can be achieved by tailoring program content (e.g., messaging), settings (e.g., among men sharing similar characteristics such as body-type or goals), and mode of delivery (e.g., through organized sports, and leveraging competition to drive healthy behaviours).

1. Introduction

Globally, on average, women outlive men by five years, yet the causes of this disparity in life expectancy are not fully understood (Pinkhasov et al., 2010; Rochelle, Yeung, Bond, & Li, 2015). Although biological factors (Mehta & Josephs, 2011; Phillips, 2005) and patterns of illness contribute (Kaplan & Erickson, 2000), behavioural and social-contextual differences between sexes/genders also likely account for the disparity. Compelling evidence suggests men engage more frequently in health risk behaviour (e.g., alcohol consumption, substance abuse; Erol & Karpyak, 2015; Galdas, Cheater, & Marshall, 2005; Kuhn, 2015), are more likely to engage in multiple health risk behaviours (French, Rosenberg, & Knuiman, 2008; Kritsotakis, Psarrou, Vasilaki, Androulaki, & Philalithis, 2016), and utilize health services less than women (e.g., Galdas et al., 2005). Despite overweight and obesity being more prevalent in men, relative to women, in the United Kingdom, Australia, Canada, and the United States (Australian Bureau of Statistics, 2018; Ng et al., 2014), men are also less likely than women to attempt to

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lose weight, or be concerned about their (over)weight (Timperio, Cameron-Smith, Burns, & Crawford, 2000).

It is widely recognised that, for overweight and obese individuals, 5–10% weight loss can account for substantial health benefits (National Institute for Health and Clinical Excellence, 2006). It is perhaps not surprising though, given that overweight and obese men appear less concerned about their weight status and are less likely to attempt to lose weight (Timperio et al., 2000), that men in general are underrepresented in randomized controlled lifestyle weight loss trials (Pagoto et al., 2012). Pagoto et al. (2012) reported that in the trials they reviewed, only 27% of participants were male, and males were less likely to be targeted in weight loss trials – only 5% of trials targeted male-only samples, compared to 32% female-only samples. This under-representation of males is noteworthy because of the prevalence of obesity and vulnerability to obesity-related diseases in men (Lovejoy, Sainsbury, & Group, 2009; Smith et al., 2005; Sundquist, Winkleby, & Pudaric, 2001). Pagoto et al. (2012) suggest this under-representation may be due to (a) men being less motivated to lose weight than women, as women experience greater societal pressure than men to lose weight, (b) men may be less interested in seeking outside help for their weight, relative to women, or (c) men are not interested in the type of interventions put forth in lifestyle weight loss studies. Only 24% of studies that underrepresented men provided an explanation for sex-distribution, with the most common reasons being (1) focusing on female-specific disease (34%), (2) focusing on postmenopausal females (13%), (3) excluding men to enhance study power (13%), (4) focusing on ethnic minority women (10%), (5) recruitment methods failing to attract men (8%), and (6) previous research has excluded women (8%). In sum, despite their poorer overall health status relative to women (Pinkhasov et al., 2010), men are a ‘hard-to-reach’, underrepresented, and under-targeted population when it comes to designing, promoting, and recruiting for lifestyle weight loss programs in particular, and health promotion and illness prevention programs in general (Bottorff et al., 2015; Pagoto et al., 2012).

Relatively little evidence exists to provide robust guidelines for improving men’s uptake of health services in general (Robertson, Douglas, Ludbrook, Reid, & van Teijlingen, 2008), or within overweight and obese treatment (Young, Morgan, Plotnikoff, Callister, & Collins, 2012). There is, however, some evidence regarding the intervention components that may contribute to successful weight loss initiatives among men. George et al. (2012) provided a critical evaluation of physical activity-only versus physical activity-and-nutrition interventions targeting adult men. A number of effective intervention characteristics were identified in this review, including the provision of regular feedback, gender-specific tailored advice, access to self-monitoring tools or online components, social support, variety in activities provided, and a degree of friendly competition.

Bottorff et al. (2015) conducted a comprehensive review of physical activity programs involving men to expand on these findings, reinforcing the notion that tailored advice and personal contact positively contribute to the general effectiveness of men’s physical activity promotion interventions. Further, the mode of delivery of physical activity—specifically through group-based exercise or sporting environments—may motivate men and encourage them to engage in exercise on their own, outside of the group or sport setting. Bottorff and colleagues identified twenty programs that were offered exclusively to men, twelve of which adopted innovative approaches to promoting physical activity in men by developing the programs from the ground up as sex-specific and gender-sensitive. Four notable examples of such gender-sensitive programs drew on men’s interests and involvement in football, based in England, Scotland, and Australia. These programs, delivered through football clubs, involved participation in a 12-week “gender-sensitized” program focused on providing overweight and obese men weight loss, physical activity, and healthy eating advice. The success of these programs was attributed to men’s familiarity and comfort within the football club settings, and adopting an approach to weight loss and physical activity promotion that works with masculine ideals, rather than against them (Bottorff et al., 2015; Wyke et al., 2015). Given our relatively limited understanding of how to improve men’s involvement in health services and weight loss programs, it is important for researchers to generate new insight in this area. We sought to provide such insight in this study by understanding men’s experiences in an established and popular male-only weight loss intervention. In doing so, we used the focal program as an exemplar for the investigation of participant motives for, and experiences in, a gender-sensitized, male-only weight loss program.

1.1. The present study

The MAN v FAT Football (MVFF) program originated as a United Kingdom (UK)-based weight loss program that centers on involvement in a 14-week, small-sided football (i.e., soccer) league designed exclusively for men with a body mass index of 27.5+. Each week, men visit a facility to play a small-sided football match with teammates, the result of which is determined by players’ weight loss in the preceding week as well as their score on the pitch. Before each weekly match, players are weighed-in by their league’s weight loss coach. Players are rewarded with a weight loss ‘goal’ if they lose any amount of weight in the preceding week, and are rewarded with further off-field goals for reaching various other weight loss milestones throughout the season. The majority of players join the program as individuals and are placed into teams with people they did not know before joining the program. There are a number of program elements—outside of the structured physical activity—that are designed to support weight loss, including weekly brief consultations with a league weight loss coach, the use of player handbooks, and web-based and mobile communication forums. The MVFF program appears to satisfy several of the components that have been highlighted as potentially supporting the uptake and effectiveness of male health promotion (and weight loss) programs (Bottorff et al., 2015; George et al., 2012). Specifically, the program incorporates, among other things, sport-based physical activity, social support, contact with other men, gender-specific advice, access to self-monitoring tools, and an element of competition. The popularity of the program attests to this assertion; at December 2019, prior to the COVID-19 outbreak and the temporary cessation of the program, four thousand men were participating in sixty-three MVFF locations throughout the UK, and the cumulative amount of weight loss recorded in the program stood at over 230,000 lbs (or 104,000 kgs).

As noted previously, it is unclear whether men are simply ‘hard-to-reach’ (i.e., due to lack of motivation to lose weight, reflecting societal pressures that disproportionately affect women) or are poorly targeted in weight loss interventions in particular, and health promotion interventions more broadly. As Pagoto et al. (2012) suggest, qualitative research methods may be particularly helpful in generating insight into intervention features that men find attractive and effective. For instance, previous qualitative research by Lozano-Sufrategui, Pringle, Carless, & McKenna (2016) indicates that while the experience of weight stigma may undermine men’s senses of self-concept and masculine values, participation in men-only weight management programs provides a safe environment for men to repair this damaged self-concept. Similarly, qualitative insight into older men’s experiences of a men-only, football-led weight management program suggests that men value playing sports and physical activity in environments that offer ‘inclusive’ (i.e., collaborative and cooperative) competition and caring interpersonal relationships. This football-led program provided participants with an opportunity to ‘do’ things together, facilitating a strong bond between men, promoting a sense of an inclusive environment (Lozano-Sufrategui, Pringle, Carless, & McKenna, 2017). The aim of this study, then, was to derive insight into how men experienced MVFF as a competitive sport-based weight loss program. We explored player and coach perspectives on men’s motives for joining the program and their experiences in the program, with the hope that this insight...
could be used as a vehicle for understanding how to develop weight loss interventions that are attractive to, and effective for, men. In short, we wanted to understand: What was it about the MVFF program that worked (or didn’t work) for the men involved in the program?

2. Method

2.1. Philosophical perspective

An interpretivist paradigm was adopted in this study, underpinned by the concepts of ontological relativism (i.e., there are multiple realities) and a subjectivist epistemology (i.e., that interviewer and interviewee co-create understandings; Denzin & Lincoln, 2013). Within this paradigm, knowledge created during the process of research focused on understanding participant accounts of lived experiences is the result of a co-creation of reality. There are no objective criteria with which to verify that the mutual understanding created reflects an objective social reality; instead, this co-constructed understanding is situated socially, culturally, and historically. Throughout data analysis and manuscript preparation we were guided by the notion that “qualitative researchers realize the futility of attempting to achieve objectivity. They do seek, however, to be reflexive about their work and to show that the data they produced can be traced back to its origins” (Sparkes & Smith, 2013, p. 181). A reflexive approach to research involves “thoughtful, self-aware analysis of the intersubjective dynamics between researcher and researched … It demands acknowledgement of how researchers (co) construct their research findings” (Finlay & Gough, 2003, p. ix). With a reflexive approach in mind, this research was situated in a ‘Western’, English-speaking perspective, as the program was located in the United Kingdom, the country of birth of three members of the research team. All members of the research team have prior experience with involvement in team sports, and the three from the United Kingdom have personal experience, in particular, with Football (n = 2) and Rugby (n = 1) environments, and as such are familiar with the types of language and the culture in such environments. This no doubt shaped our initial interest in conducting this research and exploring this topic; we certainly imagined that, were we ever to find ourselves in a similar position (i.e., we were overweight or obese), we would find a competitive, sport-based program interventions that are attractive to, and effective for, men. In short, we wanted to understand: What was it about the MVFF program that worked (or didn’t work) for the men involved in the program?

2.2. Sampling procedure and participants

The Human Research Ethics Committee at the first author’s institution granted ethical approval for this study. Twenty-seven players (Mage = 41.13, SD = 9.93) and 10 coaches (Mage = 31.8, SD = 11.55) participated in the study. Three coaches had previous experience as players in the program, and two coaches were women. Three players were no longer involved in the program. The mean starting BMI for players and coaches who had participated in the program was 37.16 (SD = 5.77), mean end BMI 31.89 (SD = 6.35), with an average weight loss of 18.48 kg (SD = 12.39). Participants (MVFF players and weight loss coaches) were recruited through a combination of criterion-based, maximum-variation, and snowball sampling methods (Sparkes & Smith, 2013). Players were eligible to participate if they were adult males (aged 18 or over) and were a current or former participant in a MVFF league. Maximum-variation in the sample was sought by recruiting players from a variety of locations (n = 8) throughout the UK, and were primarily recruited using a flyer distributed through a messaging platform (i.e., league WhatsApp groups). Potential participants were invited to contact the lead author, and prior to all interviews, participants were provided with information about their rights and the purpose of the study. The first author also attended a number of league match nights, where players were approached in person and invited to participate in interviews. Snowball methods were used (i.e., through discussions with league coaches, and during interviews with players) to identify and contact information-rich cases (i.e., players who had experienced substantive weight loss, had been involved in the program for an extended period of time, or were vocal and likely to share their experiences in the program). Coaches were approached and invited to participate in interviews via a member of the organization itself (i.e., MVFF). Coach eligibility criteria were adult male or female, and a current or former coach in a MVFF league. All players and coaches provided their informed consent at the beginning of their interview.

2.3. Data collection

A semi-structured interview guide was developed with two faculty members (BJ and JD) who have prior experience conducting semi-structured interviews. Semi-structured interviews, as co-construction (process co-constructing finite knowledge). No a priori theoretical or analytical framework informed the development of the interview guide; instead, the final interview guide included open-ended questions developed to gain an understanding of participant motives for joining the program (e.g., “Can you give me a back story for why you joined the program?”) participant experiences within the program (e.g., “Can you tell me about your experiences participating in MAN v FAT Football?”), experiences of the various aspects of the program (e.g., “What was it about the program that worked, or didn’t work, for you?”), “How did you experience the aspect of competition in the program?”) and factors related to program retention and attrition (e.g., “What works/doesn’t work about this program compared to other weight loss programs?”). Semi-structured interviews provide researchers with the flexibility to pursue lines of inquiry that are of interest, while entering into the interview with a certain degree of structure. The majority of interviews were held over the phone (n = 30), with the remainder conducted in person at a setting the interviewee selected (e.g., cafes, local pubs; n = 7). All interviews (except two) were conducted with one participant and one interviewer (the first author). One face-to-face interview was conducted with two players, and in one phone interview, two co-authors (who contributed to the interview guide) were present. The data collection period was conducted during a research trip to the UK. At the time of data collection, the notion of data saturation guided the lead author’s approach to qualitative research. Data saturation refers to the point at which the information collected begins to repeat itself, and as such conducting additional interviews is relatively unlikely to yield novel information relevant to the research question (Sparkes & Smith,
It should be noted that the consistency between this approach and a reflexive thematic analytic approach has been questioned (Braun & Clarke, 2019; O’Reilly & Parker, 2013), and it is important to qualify that we use the term saturation in this study pragmatically. Our conception of saturation is not a ‘realist’ one; we do not make claims to ‘finalising’ the range of men’s experiences in the MVFF program. Being reflexive about saturation, it is possible that conducting more interviews, or conducting follow-up interviews with participants, would yield potentially novel findings; rather, we were guided by pragmatic concerns – data were conducted during a relatively brief (i.e., three week) window, and it became evident during data collection that interviews began repeating themselves.

2.4. Data analysis

Data analysis was led by the first author. All audio-recordings were transcribed verbatim by the first author, and an inductive, reflexive thematic analysis approach was adopted, following Braun, Clarke, and Weate (2016) guidelines. This approach included an initial stage of familiarization with the interview transcripts, listening to audio-recordings, and generating an initial code guide. Initial codes were created by identifying units of text that referred to the same or very similar semantic (i.e., a unit of text directly expressed an idea or experience, as opposed to attempting to describe themes in isolation) content. Following this initial familiarization, the entire dataset was then systematically coded by the lead author, and a tentative framework of themes were identified. Themes were developed by primarily identifying the semantic meaning of participant responses during interviews, although this was supplemented by exploring, in some cases, the latent meaning (i.e., coding for implicit ideas or meaning behind what was explicitly stated) of participant responses. This tentative thematic framework was then subsequently refined and re-ordered in a series of ‘critical friends’ (Sparks & Smith, 2013) meetings, wherein the lead author met with one, two, or three of the co-authors to discuss their critical interpretations of the initial findings. Themes were re-ordered, re-defined, re-categorized, re-structured, and represented, and in several cases abandoned, based on discussions around how themes fit with the aims of this research project, and the guiding research question: what was it about the program that worked (or didn’t work) for the men involved? The original framework consisted of many isolated themes, and the restructuring process allowed us to identify three distinct higher-order categories of themes presented in the results below. These higher-order themes were (1) appraisal aspects of the program, which refers to elements of the program that players and coaches appraised as driving positive (or negative) outcomes within the program, (2) perceived experiences within the program, referring to internal perceptions regarding experiences during the program, and (3) functional supports within the program, perceptions regarding specific functional aspects of the program that supported players’ weight loss efforts. The approach informed by the philosophical and epistemological assumptions above is evident (a) in the open-ended nature of the research questions, and (b) the process used in refining themes, namely the adoption of a ‘critical friends’ approach (Sparks & Smith, 2013), wherein all co-authors were invited to interrogate, question, and provide alternate interpretations of the codes and themes generated by the analysis completed by the first author. The process of writing the manuscript also served as part of the process of analysis, and this is captured in the attempt at presenting our findings in a ‘narrative’ fashion, as opposed to attempting to describe themes in isolation – what became evident in the process of data analysis and writing is the interconnection between various elements of the program.

3. Results

The aims of this study were to—using MVFF as an exemplar of a male-only weight loss program—derive an understanding of how men experience a competitive sport-based weight loss program. Interviews generated 245 pages of 12-point, single spaced text. Themes were grouped together in higher-order categories reflecting participants’ perceptions of appraisal aspects of the program, perceived experiences in the program, and functional supports of the program. Participants were provided with pseudonyms to protect anonymity. Each of the aforementioned higher-order categories are interrelated, and rather than attempting to create or magnify (artificial) distinctions between themes, it is our hope that readers will gain some sense of how they combine to form a complete ‘whole’. That being the case, the accounts below follow a narrative structure to illustrate the interconnections between themes. The frequency of meaning units are not reported, which is consistent with the philosophical assumptions underpinning this research (Sparks & Smith, 2013).

3.1. Appraisal aspects of the program

Players and coaches described aspects of the program as drivers of (a) recruitment, (b) program effectiveness, and (c) retention. These aspects included the appeal of sport, competition, and playing on a level playing field. Sport was closely linked to being part of a team, wherein a sense of camaraderie and accountability was fostered with likeminded and similar men. These concepts collectively created a space where men shared issues with other men—contrasted against a perception that traditional weight loss programs were tailored towards women—in a gender-sensitized environment.

3.1.1. Appeal of sport

Players and coaches described the importance of the appeal of sport, competition, and playing on a level playing field as crucial drivers of men’s recruitment, retention, and effectiveness in weight loss programs. For coach Talib (C3), a key attractor for enrolment for many players was sport:

I think it’s sport itself, I think that’s the key word I think, just sport. Because the only reason this is working in football here, is because these guys love football. But if you had a bunch of guys that love cricket, you could apply it. You could apply this to virtually any sport.

Players and coaches alike attributed the popularity of the program throughout the UK to football, “… because men love football in England, it’s just like, the perfect thing to lose weight to be honest.” (Coach Ryan, C4). For former player Conrad (P19), football is an activity in which men are often socialized, typically play with other men, and are more prone to think about:

I think because it’s football, it’s generally something that men think about more than other activities. It was something that you are kind of geared at, geared towards from when you were little. The whole thought process of football as a young boy, you’re playing football with boys. Most of the time. You hardly ever play football with girls. Something to attract men, for me would be quite good.

3.1.2. Competition

For Talib, structuring the program around football allowed players to address weight loss, but they “don’t have to face it in a really serious way. It’s a sporting environment and [players] know they’re there to lose weight and they know … the off-pitch results make a massive difference to the league tables, and the league table is everything.” Closely linked to the notion of participation in sport is the prospect of engaging in competition, and the multi-layered (i.e., on- and off-pitch) competition was appealing to men because ‘Men thrive on competition, so having the element of … [playing] against other teams in a football environment … for a man, it’s always going to be competitive …’. Talib continued, stating that “although the football is kind of the main attraction, it’s not the main focus, because you’re there to lose weight”.

T. Budden et al. Psychology of Sport & Exercise 50 (2020) 101750
The multiple layers of competition motivated enrolment in the program, affording players the flexibility to endorse one element over the other. Some players placed a primary emphasis on the football element of competition in the program, whereas others, such as Carl (P11), placed greater emphasis on the weight loss side, as “[the] weight loss part… I cottoned onto and focused on. I didn’t really have any football skills, so I knew that was a way that I could contribute to the team.” Carl compensated for a perceived lack of ability by contributing to the team score on the scales. Some tensions existed between the two approaches outlined above. Some players perceived that the emphasis on the football component could “go too far,” leading to negative experiences, as “some people… [forget] that it is a weight loss program and take the football side a bit too serious” (Charles, P18).

### 3.1.4. Part of a team

Some players placed a primary emphasis on the football element of competition in the program, whereas others, such as Carl (P11), placed greater emphasis on the weight loss side, as “[the] weight loss part… I cottoned onto and focused on. I didn’t really have any football skills, so I knew that was a way that I could contribute to the team.” Carl compensated for a perceived lack of ability by contributing to the team score on the scales. Some tensions existed between the two approaches outlined above. Some players perceived that the emphasis on the football component could “go too far,” leading to negative experiences, as “some people… [forget] that it is a weight loss program and take the football side a bit too serious” (Charles, P18).

**3.1.3. Level playing field**

For many players, prior re-entry into social football leagues had become (apparently) unattainable. Gradual weight gain and shifting priorities due to work or family, perceptions that players would be unable to keep up with “18, 19, 20 year-olds who are all in fantastic shape”, and perceptions that gyms or other traditional exercise settings would be “full of guys that have been going for years”, “built like Hercules and you’re out of breath just removing his weight… it’s really intimidating for some” (Patrick, P5). The program provided an attractive alternative for players who perceived barriers to entering such traditional spaces, as they were able to engage in competition on a level playing field, or as Cory (P16) put it, “I like playing football against guys like my weight or heavier… it’s good to play against your peer group because sometimes you’re with younger, faster guys and smaller guys… if you’re with guys your own size you realize you’re still a good player.” Posters and website advertisements for MVFF showed overweight or obese men playing football, supporting player perceptions of a level playing field, given “the fact that they… really able to participate” (Damian, P26). Players would not be “up against real sportsmen”, they would be “able to play with a load of fat blokes” (Rob, P21).

**3.1.4. Part of a team**

Being part of a team was an integral aspect of the program motivating enrolment, retention, and effectiveness in the program. Players “form really thick fast bonds with their teammates which I think inspires them to keep on going” (Coach Leah, C6). The team was reported to serve multiple functions in the program such as driving accountability, adherence, and interpersonal support as Derek (P25) explains:

> It’s the team, 100%. I went there knowing absolutely nobody, it was just me I thinking what am I doing, the first week when I got there, I wasn’t sure what’s going on, what was going to happen, weighed in, joined the team and straight way, everyone is there for some reason and everyone’s also there to play football. So you get a massive kick as a team and you don’t want to let that team down, but the first couple of weeks, you’re not too sure, but after that, you realise you’re letting 9 other blokes down, if you don’t lose weight, so that is the massive push that keeps you going, keeps you coming back.

For Dennis (C10), the team provides a valuable support network to players:

> Knowing that their team player is there to support them, knowing that there’s a team player to talk to and just having a group of male friends. For some of these guys that can be an issue especially if you’re married and you don’t get to socialise with your friends anymore.

### 3.1.5. Camaraderie

Although teams were randomized, strong bonds, or a sense of camaraderie, were reported to quickly develop. The “team ethic” and “support network” that developed in the program, meant that some teammates took a softer “arm around” the shoulder approach, whereas others were “straight talkers” (Coach and former Player Liam, C8). Camaraderie was often likened to ‘pub-talk’. Through the development of trust and a feeling of being in a ‘safe environment’, men were able to support each other, as Grant (P10) elaborated: “When you get a load of blokes down at the pub, they quite openly talk about stuff like this… once you get that camaraderie, that’s how it happens. You support each other, don’t you?” The camaraderie that developed between teammates was reported to support retention in the program, as Carl (P11) explained, “Everyone was quite social about it… it was something that I definitely enjoyed, I think it was the main part that kept me staying there.”

### 3.1.6. Accountability

The notion of camaraderie closely linked to a feeling of accountability to lose weight for one’s team. Losing weight can be a “lonely” process of abstaining from enjoyable activities. The program appeared to raise awareness about healthy behaviour; players were members of a team with a shared purpose as Paul (P14) stated, “if you put weight on, you’re letting the guys down… it’s psychologically probably, how much that affects you… you’re conscious of that team responsibility”. Feelings of accountability did not necessarily develop instantly. Coach and former player Brian (C9) elaborated, “some players will turn up and just literally want to be held accountable”, whereas for others, it appeared to take a process of getting to know players until the “smallest click”, based on “common ground and I think a friendship or a partnership that they’re more accountable to”. Grant (P11) noted that accountability to oneself was insufficient to drive weight loss behaviour, as “… I know if I stop MAN v FAT Football, the weight would go back on.” Feelings of accountability were not universally positive for all players. Accountability could be interpreted as external pressure to lose weight, leading to maladaptive, avoidant strategies, as “… that pressure sometimes can lead to people not turning up some weeks because they know they’ve gained weight and stuff” (Coach Ryan, C4).

### 3.1.7. Likeminded and similar men

Likeminded and similar men surrounding players supported notions of camaraderie, accountability, and being part of a team. Players were able to connect over common issues, as Grant (P11) indicated, “… you’re ultimately among other blokes who, even if they do not have those issues themselves, they can personally empathize with how it might happen because you are ultimate dealing with people that had had weight problems.” Two salient aspects of identity, gender and body-type, appeared to promote perceptions of similarity, as Rob (P21) intimated: “There was just fat blokes having a kick around. There is nothing else that you can get involved in that’s anywhere close to that.” One coach (Leah, C6) identified the process of self-identification as “fat”, and the direct, honest approach (or ‘language’) of the program as a positive: “everyone turns up and they are in accord so they already all self-identified as fat, like they already realize that they are fat. It is not like someone has sprung it on them like ‘Surprise! We think you’re fat!’” Matt (P2) described his feelings attending the initial registration session at the beginning of his first season as “quite refreshing” entering a room with a range of men of different sizes, reassuring him that there was nothing to be embarrassed about, as “some of the guys [were] significantly bigger than me… You feel less self-conscious as a result almost immediately. Everybody there is there for the same reason, there is nothing to be embarrassed about.” This created a supportive environment, where “people… do praise each other… That is important”. Matt expressed ambivalence over whether the same result could be achieved with a mixed-gender group: “I’m not saying you couldn’t do that in an environment of men and women, you could, but I think it would feel different. I would just mean they would feel more self-conscious.”
3.1.8. Men share issues with other men

The combination of camaraderie, gender-sensitization, and perceptions of like-mindedness and similarity between players in the program fostered an environment where men share issues with other men, including weight loss, body-image, or mental health. Coach Ben (C1) explained that MVFF created an environment where “blokes... see that they’ve got somewhere that is for them”:

I think because we are all men together, we’re always amazed by how much men talk about their mental wellness as well. In amongst other men, whereas if you’re just in the pub with somebody, you have the kind of conversations our guys have on the pitch or in the changing room, or on the WhatsApp. It’s not unusual for someone to put in their WhatsApp group, ‘Guys I’m having a really shit time this week, I just cannot get my head around this, this, or this or in my life’, and the amount of consolation, support, advice, whatever you want to call it, that the other guys come up with, and I think that is crucial to the way we work.

3.1.9. Traditional weight loss programs are tailored towards women

Players and coaches frequently highlighted the contrast between the approach men and women adopt to weight loss, lamenting that traditional weight loss programs are tailored towards women. Cory elaborated on his experience attending such a program, finding “success on and off, but I felt that it was mainly a group for women, and I think it was mainly recipes and it’s mainly mothers... I couldn’t relate much to them” whereas, in contrast, MVFF better suited his needs, as it was “more positive, more competitive, more dynamic, and more aggressive.”

Traditional weight loss programs are typically tailored, intentionally or not, towards the expectations and demands of women. This was described by the participants as due to the content of group meetings (e.g., discussing “fitting in bikinis”, “wedding dresses”, “slimming down”, or “eating salads”), demographics (i.e., majority women), and nature of meetings (i.e., sedentary).

3.1.10. Gender-sensitized environment

MVFF was described as allowing men to engage in weight loss in a stigma-free, gender-sensitized environment, instead of feeling “completely alienated”. Ben (C1) described the social environment in his leagues, run “very much on the fact that they are men”, and his “changing room was full of blokes’ banter.” Players would make jokes at each other expense, but “there’s no judgement about that at all”. For Lorne (C5), the program creates a comfortable yet fun environment for men:

For me, the spirit of MANvFAT is it’s a comfortable but fun environment for blokes to come along and speak freely about any health issues and speak freely about weight loss issues as well, without feeling stigmatised and everything like that as well, and it just offers men an opportunity where they can feel comfortable, where they might not feel comfortable in other commercial programs such as [commercial weight loss programs] which are much more designed for a female audience as opposed to a male audience.

Leah (C6) had a unique perspective working as a female coach in a male-dominated environment. She adopted a male online pseudonym for her correspondence with new players, to which she attributes the “attraction” and rapport developed with players when they initially express interest in joining the program:

I think although I’m a girl [laughter] it’s a very masculine environment [and] I think that does probably make the guys a bit more comfortable. I have a male name which I think sometimes can help a little bit before they come along because the attraction they’ve had with someone called [male pseudonym], so they do come in a little bit shocked that I’m a girl but like it’s not a problem that I am but I feel it works a lot better being a male only program.

For coach and former player Liam (C8), the environment in MVFF starkly contrasted with previous experiences in female-dominated weight loss programs, leading to him feeling more comfortable being weighed in front of a group of men, instead of a group of women:

Yeah it was good, I found it better than going into weighing rooms previously, and they’re dominated by ladies talking about things that you can’t necessarily relate to, talking about wedding dresses and baby weight that they’ve gained and things like that and you know it’s very relevant to them, but it’s just something where you feel a little bit excluded because you know you couldn’t relate to it directly. So to be with a group of guys, I think guys just feel a little bit more comfortable. For me I felt very self-conscious so in that kind of environment, so being surrounded by a group of guys I certainly felt more comfortable in the room. I didn’t shy away from standing on the scales as much as I would if maybe I was standing next to ladies all round me.

3.2. Perceived experiences in the program

Players and coaches provided accounts of two broad experiences within the program, competence and enjoyment.

3.2.1. Competence

Related to notions of competition, sport appeal, and level playing field, players described perceptions of competence regarding weight loss, football ability, and fitness improvements over the course of participation in the program. For Brian (C9), “the easiest part for me to sticking to [the program] is because I had success with it so quickly”. Amit (P1) found his early success surprising, in contrast with his previous failures at losing weight, which “is a big deal, because I’ve never had this sort of change in my life... this is certainly something that’s worked for me, so in that sense, very positive with achieving weight loss.” Carl (P11), who went from playing a few minutes to a whole game found that he “had a lot more fitness and was able to out-run people on the pitch... [which] was something that was good”.

Weight loss was described as leading to a change in body image. For Sam (P27), “… that makes a big difference... with clothes and things like that... the last time I was this weight was probably before I started university.” These changes were a source of enjoyment for Sam: “the reason why I’m doing it again is because I’ve really enjoyed it and we’ve got a great team and I want to be able to lose some more weight.”

3.2.2. Enjoyment

Players often attributed perceptions of enjoyment or fun to playing sport and engaging socially (i.e., in banter) with other players. For Lyle, (P3) the football was a “nice add on” to the weight loss aspect of the program, providing an additional reason to attend game nights every week, because making it “enjoyable gives you the reason to go”. Martin (P4) echoed this sentiment, comparing his experiences in gyms—wherein his motivation would gradually fade over time—with his “love of the game”, his love of “being out on that field... I actually look forward to going to MAN v FAT; I get excited about the football.” For Orson (P2), being able to enjoy the football in the program allowed players to integrate physical activity into their lifestyle, “… almost like a ritual... it has that sort of ritual element, which I find very powerful... I love the football.”

3.3. Functional supports in the program

Players and coaches described various functional elements in the program that supported player experiences and weight loss, including the player handbook, weight loss coach, captains, team WhatsApp groups, and the online forums.
3.3.1. Player handbook

The player handbook allowed players to monitor and draw awareness to salient weight loss behaviours such as physical activity and dietary intake, and served as a tool for the weight loss coach to provide feedback on player progress. As Orson (P2) elaborated: “I’ve religiously recorded all my meals. I’ve found that really helpful to be able to look back and review exactly what you ate that week, and where I went wrong, where I ate what I shouldn’t have and patterns emerging.” For Lyle (P3), feedback was “more about changing your lifestyle rather than criticizing it, and the understanding that it doesn’t happen overnight and you do have bad weeks.”

3.3.2. Weight loss coach

The player handbook was closely linked to the relationship between player and weight loss coach. For some coaches, the role was an active one; they were in a position of leadership within the league, and had a responsibility to “set the tone for the league. If you can be positive and outline what the league’s trying to achieve and what players are expected [to do] and what help you can give them … it’s really key to the success” (Coach Brian, C9). “The best coaches always keep the players focused for as long as possible.” Not every player is “reachable”, and not every player “wants to chat all the time.” Nonetheless, as long as the coach placed the primary focus on losing weight, then players were reported to benefit from the coaches’ leadership. The players also emphasized the importance of coaches promoting camaraderie and accountability. According to John (P23) “if you put on one [week], [coach]’d be like ‘What happened, what did you do wrong? If you’re going to have to explain yourself, it was another reason to lose that weight.”

3.3.3. Captains

Teams nominated captains, a liaison between coach and teams, with some captains taking the role seriously. As Ben (C1), a player-/captain-turned-coach, elaborated that as he lost weight, he began to think about “helping the other guys in my team”, which is “one of the massive things about MAN v FAT … that kind of camaraderie and collaboration amongst the players to help each other.” The captain was reported to be a source of motivation for some players, rallying the team around “the 5% and 10% weight loss” targets (Paul, P14).

3.3.4. Team WhatsApp groups

Players were encouraged to engage during the week in team WhatsApp groups. These groups contained all members of each team, accentuating camaraderie, accountability, and men sharing issues with other men. Whatsapp groups allowed for open communication because, “although it’s not private, it is in a way because it’s all people [players] know and people they can trust and then build friendships with and that is a go-to group for people that struggle” (Coach Brian, C9). A wide variety of issues were raised, and support provided for, in these chats, from “people losing weight” to “people going through divorce”. In light of perceptions that men rarely disclose personal issues, Brian highlighted that the added social connectivity provided by the league supported the development of an environment where men feel able to disclose personal issues, which is “not a very ‘Man thing’ to do, to reach out when a guy’s divorced … to have this group of guys that understand and are now ready to talk to you … just put them in a better state of mind.” The WhatsApp groups facilitated this disclosure, as Brian continued “… you’re more open and honest.” With the WhatsApp groups, there’s no criticism, and whatever you’ve been through, someone else has been through as well.” Further, the WhatsApp groups served to remind players of the outcome of the league, as Alex (P17) explained: “… when it gets to Friday night, which would normally be take away night … but then they would see 20 messages on their phones from their team members … They would almost go “I can’t eat take away when the rest of the team are doing so well”. So that really helped.”

3.3.5. Online forums

Finally, an optional resource players reported making use of were the online forums, primarily as a tool for finding information, and connection to a broader online community, as coach and previous player Liam (C8) explained: “The forum is really useful, it has guys from all walks of life, and it’s great to read their stories. It’s another way of supporting guys when they’re going through struggles to look at what other people are doing. Not just from the UK but from all over the world”.

4. Discussion

The purpose of this study was to use MVFF to provide insight into how men experience a sport-based, male-only weight loss program. By examining player and coach experiences in the program, our results shed light on the factors that may motivate men to engage in weight loss efforts and with their health more broadly. More specifically, the results provided insight into how salient issues such as identity, gender-sensitization, and male communication make MVFF an attractive alternative to ‘traditional’ weight loss programs. Players and coaches also highlighted how online spaces, self-monitoring strategies, and leadership roles (e.g., team captains, coaches) are intervention characteristics that can be opted-in-to, and accentuate other intervention characteristics. In the material that follows, and without wishing to ‘finalize’ the participants in this study (i.e., by claiming to have the ‘final word’ on their or others’ experiences in the program) we present what we consider to be the most salient overarching conclusions that can be drawn from these results.

4.1. Masculine capital

Our results indicate that the popularity of MVFF stems from the pragmatic, competitive approach toward weight loss. Dieting and weight loss are typically seen as feminized activities (Gough, Seymour-Smith, & Matthews, 2016), and for many men in the program, the prospect of joining traditional weight loss programs was unattractive, due to expectations or prior experiences that the conversations and settings (and demographics) would tend toward ‘feminine’ issues. Further, many players had previous experience playing football or other sports during their youth, and the appeal of sport and team membership were common factors attracting these men to join MVFF. Sport is a common socializing force in the lives of many men; preadolescent boys are often embedded in a sporting culture by the age of 8, and performance (i.e., in sport) is important in the display and maintenance of masculine identities (Tatangelo & Ricciardelli, 2013). For men who have, over the years, allowed a process of bodily inattention (Malik, Grogan, Cole, & Gough, 2019) to lead to gradual weight gain and fitness loss, re-entering into exercise environments can be daunting. Gyms are unappealing for many, and the prospect of joining social sport leagues can also be unattractive due to the perceived need to be fit to keep up. These two broad issues pose a problem for men seeking to lose weight.

These concerns around the feminine nature of weight loss and the daunting prospect of re-engaging in sport reflect the way men often appear to approach health; men appear to view their bodies as ‘machines’; discussions of health practice (Robertson, Sheikh, & Messerschmidt, 2005), and the link between men’s feelings of physical competence (i.e., being able to keep up), or fail to address how men often view their bodies (i.e., as functional tools) present a dilemma for men seeking to re-engage with healthful behaviours. MVFF, by allowing men to participate in sport on a level playing field, circumvents this problem. Men (and women) exist in social contexts that reflect certain norms regarding the expression of gender identity – in other words, how they ought and ought not to behave. Certain expressions of masculinity are more desirable or idealized over others (Connell, 1995; Connell & Messerschmidt, 2005), and the link
between masculinities and health practices appears complex. Traditional researchers in sport and health psychology, leveraging Connell’s (1995) model of hegemonic masculinity, for instance, proposed a negative relationship between subscription to masculine ideals and health (e.g., those who endorse such masculine ideals are more likely to engage in excessive alcohol consumption). This model may be too simplistic; however, recent research challenges a direct link between health and masculinity (De Visser & McDonnell, 2013). Non-masculine behaviours such as abstaining from drinking (De Visser et al., 2009), and a parallel exists in MVFF between a player holding up expectations (i.e., accountability) to teammates, and accruing ‘masculine capital.’ ‘Masculine capital’ (De Visser et al., 2009) refers to the notion that men trade capital earned by engaging in certain health-related masculine behaviours (i.e., demonstrating skill on the pitch, or scoring points by losing weight) to compensate for other non-masculine behaviours required to succeed in the program, that may undermine masculinity (e.g., abstaining from drinking, eating healthy, low-calorie foods). We suggest that the reason for the success of the program, with this particular population of men, is in its ability to circumvent the ‘masculinity’ problem certain men face when attempting to lose weight, through competition and sport on a level playing field. These results suggest that interventions aiming to target men may be more successful working with, rather than against, formulations of identity such as masculinities.

4.2. Group identification processes

Consistent with previous research (Beauchamp, 2019; Beauchamp & O’Rourke, in press), our results also indicate that group identification processes contribute to the success of the MVFF program. Namely, players described perceptions of homogeneity (i.e., body-type and gender), like-mindedness (i.e., purpose for joining, goals), social support (i.e., camaraderie, men sharing issues with other men), and homo-sociality (i.e., gender-sensitization) as appraisal aspects of the program that drove retention and effectiveness within the program. Evidence for the management of obesity among men suggests men may benefit from group-based weight loss programs (Robertson et al., 2014), and interventions that are men-only, explicitly target weight loss, and include the provision of feedback are significantly associated with effectiveness (Borek, Abraham, Greaves, & Tarrant, 2018). Indeed, men-only interventions have been shown, on average, to be twice as effective as women-only interventions (Robertson et al., 2014; Young et al., 2012). Group-based behaviour change interventions are cost-effective, can drive psychological and behaviour change in ways individual or self-delivered interventions cannot, through provision of social support, establishment of group norms and trust, and group identification processes (Borek & Abraham, 2018).

The importance of shared characteristics (e.g., body type or goals) for driving group identification processes have been previously acknowledged in a similar men-only, community-based weight loss management intervention (Lozano-Sufrategui, Pringle, McKenna, & Carless, 2019). According to Lozano-Sufrategui and colleagues, participants in this program described perceptions of being in a ‘shared safe place’, encompassed by feelings that everybody in the program was ‘in the same boat’. In our study, players experiencing settings with men of a similar body type and gender offset expectations of negative social comparison, on the basis of shared ground. One area of tension in the MVFF program is reconciling mindsets prioritizing football or weight loss. Teams that internalize weight loss goals appear to adopt clearer group roles and discuss weight loss more frequently. When these mindsets clash, as evident in accounts of excessive competition, this may undermine some players’ motivation to stay enrolled in the program.

4.3. Self-disclosure, humour, and camaraderie

Self-disclosure is risky, because it opens the self to external negative judgement, but may also be rewarding – group members may validate and affirm one’s issues or challenges by acknowledging their similar beliefs, problems, or experiences (Jourard, 1971). These are validating experiences—potentially for both the receiver and giver of social support (Liang, Krause, & Bennett, 2001)—and provide a basis for group identification, cohesiveness, and future social support, and are important for driving personal change (Abraham & Gardner, 2009). The gender-sensitized environment, sense of camaraderie with teammates, and perceptions of like-mindedness and similarity between players in the MVFF program were reported to create an environment where some, but not all, players felt comfortable disclosing personal issues with other men involved in the program.

The sense of a male or gender-sensitized environment in the program is clearly linked to a shared understanding that players were there for the same reasons, could engage in banter, share light-hearted jokes, and be competitive. Other qualitative research, for instance on the effects of surfing and the natural environment on combat veterans’ well-being (Caddick, Smith, & Phoenix, 2015), has shed light on the importance of ‘laddish’ and masculine forms of banter, and how these are linked to providing a comfortable context where men are able to engage in traditionally masculine behaviours and relationships. Such forms of communication may be constrained by the demands of regular, ‘civilian’ life – and finding a format through which to express these masculine identities, reinforced by military experience, appears crucial for helping veterans engage with surfing, and drawing benefits for their subjective well-being. Further, Oliffe and colleagues’ (2009) qualitative investigation of men’s health practices in the context of prostate survivor groups suggest that the benefits of humour include promoting inclusiveness, marking boundaries for providing and receiving mutual help, and allowing men to develop masculine group norms around their developing sense of sexuality. As noted by Borek and Abraham (2018), using humour within the restraints of established group norms may encourage engagement, contribution, manage disruptive behaviour, and ultimately create a positive group climate. Researchers would be well served to consider examining how players experience and use humour within weight loss contexts.

4.4. Online spaces, behaviour change theory, and leadership in health

Our results corroborate previous findings that suggest that online spaces, self-monitoring, and leadership roles accentuate positive weight loss outcomes. Online spaces such as the WhatsApp groups and online forums add a dimension of communication to the program, and accentuate (and reinforce) perceptions of camaraderie, accountability, social support, ‘male communication’, and banter. At the same time, people promoting health by using online spaces such as WhatsApp groups, ought to consider the accessibility of such digital means of health promotion. Certain groups (e.g., working class, people with disability; Smith & Wightman, 2019) may have relatively limited access to smart phones or other digital devices, particularly during times of austerity. Promoting health through such digital means has the potential of exasperating the digital divide.

Further, the use of self-monitoring in weight loss interventions has a strong theoretical foundation. Frequent self-monitoring has been shown to predict weight loss (Burke, Wang, & Sevick, 2011), and is one of the most effective intervention components for increasing physical activity and eating behaviour in healthy populations (Michie, Abraham, Whitington, McAteer, & Gupta, 2009). Finally, coaches and captains in MVFF can act as ‘ambassadors’ of healthy attitudes, taking a hands-on approach, emphasizing self-monitoring, providing social support, and setting team challenges. Alternatively, they can take a more hands-off approach, setting the direction and tone of the league to players. In future, researchers might investigate the characteristics of effective
leadership in such a male health environment, by observing in situ interactions and discourse exchanged between players, captains, and coaches.

4.5. Limitations

There are certain influences that we were not able to consider in this study, such as how socio-cultural, socio-economic, or cultural influences affected men’s experiences in the program. Future research could explore in depth how such influences (e.g., ethnicity, cultural background, and social class) impact overweight and obese men’s experiences in competitive, sport-based weight loss programs.

Further, a growing body of literature suggests that utilizing sport as a weight loss strategy may incur certain psychological detriments, such as undermining enjoyment or intrinsic motivation for, and adherence to, physical activity (e.g., Pickett & Cunningham, 2017). Tylla et al. (2014), for instance, question the use of weight-normative approaches (i.e., prescribing weight loss), favouring weight-neutral approaches. Placing an emphasis on weight loss may lead to weight cycling, and Tylla and colleagues draw a link between weight stigma associated with such weight-normative approaches and adverse health and well-being outcomes. Although many players cited the appeal of sport as a lure for joining the program, and one of the programs’ strengths, tensions arose around the emphasis on competition – particularly when players personally focus on one element of competition (e.g., weight loss) but feel that others place too much emphasis on the other (e.g., performance on the pitch). Future research ought to examine the perspectives in further depth, of players who have negative or disconfirming experiences in the program. How do they experience self-identifying as fat, or do they position themselves in opposition to fat (as the name of the program would suggest)? Do either of these processes of self-identification drive positive or negative outcomes for health and well-being, long-term adherence to physical activity, or weight loss? Future research should also examine how inclusive these kinds of competitive, sport-based programs are. This is not to suggest that they are not (or do not have the potential to be) inclusive; for instance, are men who relate to masculinity in non-traditional ways comfortable in, or attracted to this type of program? Do men experiencing various forms of disability find the program accessible?

A limitation that affected our potential sample reflects the BMI cutoff criterion for the program. The criterion for joining the MVFF program requires that participants have a BMI equal to, or greater than 27.5. This cut-off restricts entry into the program for men who qualify as overweight (i.e., BMI of 25+) but do not meet this (what might be considered arbitrary) criterion. This places limits on the conclusions we can reach in terms of the efficacy of the program for overweight men. It is notable that the average starting and end BMI of our recruited sample is markedly higher than the cut-off, suggesting our results speak more predominantly to a sample of obese (rather than overweight) men. Finally, researchers may in the future want to consider the naturalistic generalizability of this program. The ‘active ingredients’ of the program are relatively straightforward: leveraging competition to drive healthy behaviours by ‘rewarding’ weight loss. In terms of naturalistic generalizability, future research could explore instances where this mechanism has emerged ‘naturally’ in local exercise groups (e.g., group fitness classes), in other communities, or other countries.

4.6. Conclusion

In this study, we explored player and coach experiences in a case study exemplar of a male-only, sport-based weight loss program that is attractive to men, with the aim of deriving broader insights into intervention characteristics that may be appealing to this population. Interventions that aim to target this population may be more successful attracting and retaining this population by working with, rather than against, formulations of identity such as masculinities; this can be achieved by tailoring program content (e.g., messaging), settings (e.g., among men who share similar characteristics such as body type, goals, or intentions), mode of delivery (e.g., through organized sports, or activities that allow men to ‘indirectly’ address health while engaging in enjoyable activities), and leveraging competition to drive healthy behaviours. Future research could examine whether competition-based programs facilitate health behaviour change in other populations (e.g., women), or in other health behaviours in similar hard-to-reach populations.
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