

Review

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Body image as a global mental health concern

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Abstract

Body image concerns related to weight or other dimensions of appearance are now prevalent on a global scale. This paper reviews the theoretical frameworks that account for the global similarities and regional differences in rates and presentation of body image concerns, as well as reviewing the extant data. Given the harmful consequences of body image concerns in terms of mental and physical health, their global burden is high. Interventions to mitigate these concerns at the individual and systemic level are warranted.

Impact statement

Body image concerns include preoccupation and dissatisfaction with the body's appearance including its shape and weight as well as other characteristics. Body image concerns are present across the globe due to strong pressures to pursue appearance ideals. Although these concerns may vary with cultural context, their prevalence and association with poor mental and physical health are global. Given these high rates and the negative effects of body image concerns, it is important to increase our efforts to prevent and decrease them across the globe.

Introduction

Body image is a multidimensional construct encompassing the thoughts, feelings, and behaviors of an individual related to their own appearance (Cash, 2004). Body image is often conceptualized as including both an evaluative aspect (satisfaction or concern with appearance) and an evaluation of the centrality of body image to an individual's identity (Jarry et al., 2019). Historically, much of the empirical research has focused on body image from a deficit lens, in particular as a risk factor for poor mental health and psychopathology including eating disorders and other mental health concerns. In addition, this work has been helpful in highlighting body image concerns as a mental health concern in its own right. Nevertheless, more recently increasing attention has been focused on body image through a positive psychology lens (Tylka and Wood-Barcalow, 2015) and the ways in which positive body image can be related to well-being. As part of this focus on positive body image, more attention has been paid to nonappearance dimensions of body image such as functionality and embodiment (Piran, 2019; Alleva and Tylka, 2021).

Much of the early literature in the area of body image, up until the new millennium, stemmed from English-speaking high-income countries. In recent years, this literature has been expanded to include work from a range of countries and geographic regions. The aim of this review is to offer a critical synthesis of the literature that exists on body image at a global level. First, prevailing theoretical frameworks that have guided this work will be reviewed. Second, the existing data regarding body image at a global level will be summarized. Finally, implications and future directions will be offered.

Theoretical overview

Several theories have been developed to usefully guide investigations into body image. These frameworks place important emphasis on the role of elements at different levels, ranging from theories focusing on macro-level elements such as social discourse and institution, and those centered on the role of individual-level factors. Here, dominant theories are presented in order of narrowing lens, from the macro- to individual level.

Body capital

The acceleration of highly visual culture, facilitated by digital technologies in recent years, has exacerbated the extent to which the body's appearance is a central source of capital for individuals worldwide (Bourdieu, 2018). Body capital consists of two distinct dimensions: (1) the amount of body capital held by an individual and (2) the extent to which individuals are encouraged to invest in their body as a source of capital. Both of these dimensions are related to the matrices of power and privilege that underpin the majority of contemporary societies in which certain bodies hold more social power than others. Thus, a body that is read as holding certain identities and that is closer to social beauty standards will hold more body capital. Conversely, individuals whose identities afford them lower power and privilege, such as Black and Indigenous People of Color, and those who live in larger bodies, are more strongly encouraged to invest in their appearance as a source of capital. This perspective is relevant when considering who within a certain group is thus more likely to experience their body as related to their experiences of oppression, while concurrently experiencing it as a modifiable source of potential capital (Edmonds, 2007; Hunter, 2011).

Sociocultural theories

Sociocultural theories highlight how messages from broad social discourses, relayed by proximal sociocultural agents (such as the media or the interpersonal environment), influence individuals' beliefs regarding appearance and thereby their body image. Thus, for example, social discourses regarding the moral value of pursuing an appearance that conforms to external standards, including in terms of weight, and that encourages individuals to discipline and self-monitor their bodies have been useful (Thompson *et al.*, 1999; Fitzsimmons-Craft, 2011). In addition, these theories have made important contributions in highlighting the increasing demands placed on individuals in terms of appearance standards, the unrealistic nature of beauty ideals, as well as their progressive globalization (Widdows, 2018). While it is true that appearance ideals vary across cultures, as well as social identities including gender and sexual orientation, it is also the case that a globalized ideal that is slender, toned yet curvy for women and muscular and lean for men, and golden in skin tone is emerging (Widdows, 2018). These theories also highlight how these socially constructed appearance standards serve political and economic goals as their inherent unattainability generates large financial profits as individuals strive to pursue them, while their perpetuation of oppressive social hierarchies contributes to maintaining the existing systems of power and privilege (Hesse-Biber *et al.*, 2006; Rodgers, 2022 as cited in Aimé, 2022). Empirical work grounded in these theories has been useful in identifying mechanisms through which sociocultural discourses and appearance ideals are internalized by individuals, and the role of appearance comparison in the development and maintenance of body image concerns (Shroff and Thompson, 2006; Rodgers *et al.*, 2011; Schaefer *et al.*, 2019).

Related to the idea of body capital, Westernization, urbanization, and rapid economic growth have been posited to be linked to increased body image concerns through intensifying media and advertising pressures, as well as competition for resources and social mobility (Becker, 2004; McLaren and Kuh, 2004; Gorrell *et al.*, 2019). From this perspective, countries that are most affluent, as well as those that are undergoing the most rapid cultural and economic transitions, are likely to be those where the highest rates of body image concerns are found.

Critical feminist theories

Critical feminist theories have been useful in identifying how gendered processes that serve economic and political goals of gender majorities, including the objectification of women and gender minorities, are related to body image (Peterson *et al.*, 2008; Roberts *et al.*, 2018). These theories emphasize how the gendered nature of body ideals and the social value attributed to appearance serve to further protect existing gender hierarchies. Thus, for example, socializing women to be invested in achieving an unrealistically slender and highly groomed appearance diverts energies and resources away from other (political and social) activities and continues to perpetuate systems in which women's social worth is indexed to their appearance (Widdows, 2018; Piran, 2019). In addition, these theories have highlighted how the objectification of women in society, in particular through media images, leads to women internalizing the need to self-monitor one's body, in the form of self-surveillance and self-objectification, and how these factors are also associated with poor body image (Fitzsimmons-Craft, 2011).

Minority stress theories

A third important group of theories has highlighted how individuals who hold minoritized identities may experience and fear appearance-based discrimination (Brewster *et al.*, 2017; Veldhuis *et al.*, 2017; Brewster *et al.*, 2019). These experiences and the associated anxiety lead to negative affect, a recognized risk factor for body image concerns, as well as heightened preoccupation with appearance. In addition, individuals may engage in efforts to avoid discrimination and the associated anxiety by attempting to modify their appearance through behaviors that may be harmful in the long term, as well as avoiding situations in ways that may be impairing over time.

A comprehensive integrative model of minority stress and sociocultural theory was useful to better understand how minority stressors (heterosexist discrimination, sexual orientation concealment, and internalized homophobia) were related to sociocultural influences (sociocultural pressures, thin ideal, and muscular-ideal internalization) and body image concerns and related body change behaviors (Convertino *et al.*, 2021).

Empirical evidence across countries

High-income English-speaking countries

The large majority of the available research has stemmed from high-income English-speaking countries such as the USA, Canada, the UK, and Australia (Holmqvist and Frisén, 2010). In such cultural contexts, strong adherence to unrealistically slender and muscular ideals is overall found, with little variation across high socioeconomic status sites (Swami *et al.*, 2010). In such contexts, body image concerns are highly prevalent and tend to be greatest among individuals with minoritized identities including women, sexual and gender minorities, individuals living in larger bodies, and those from minoritized racial and ethnic backgrounds (Frederick *et al.*, 2022). Appearance ideals that are gendered, heteronormative, ableist, ageist, and Eurocentric contribute to centering concerns around weight, muscularity, youth, fairness, and related characteristics across groups.

Research has suggested that levels of body image concerns in high-income English-speaking countries, particularly in the USA,

are among the highest globally, with the exception of pockets of very affluent and Westernized areas, such as within Asia (Holmqvist and Frisén, 2010). It is also within such contexts that research focusing on positive body image has received the greatest attention (Halliwell, 2015), as well as research aiming to refine explanatory models of body image concerns that account for interindividual variations (Pachankis et al., 2020).

In the USA and in other English-speaking high-income countries, negative body image has been associated with eating disorders (Drummond, 2002; McLean and Paxton, 2019), as well as depression and postpartum depression (Brausch and Gutierrez, 2009; Silveira et al., 2015), and poor psychosocial functioning (Davison and McCabe, 2006). Effective interventions to decrease body image concerns have been developed, in particular those that increase understandings of the socially constructed nature of appearance ideals and decrease adherence to them (Marchand et al., 2011; Lewis-Smith et al., 2019). Notably, sometimes these interventions address eating disorders as the main outcome and body image as a risk factor (Marchand et al., 2011). However, these interventions need to be embedded more systematically into existing networks and systems, and efforts to decrease universal risk need to be increased (Bell et al., 2016).

European countries

Studies in European non-English-speaking countries have overall evidenced findings that are similar to those in high-income English-speaking countries, although overall rates of body image concerns tend to be lower than in the USA (Frederick et al., 2007; Holmqvist and Frisén, 2010). Within Europe, variations exist in terms of body image, for example, individuals from Belgium and Portugal have reported lower rates of body size satisfaction as compared to Norway and Denmark (Kvaalem et al., 2020).

Latin countries such as Portugal and Spain tend to place more emphasis on appearance, which is accompanied by higher rates of cosmetic surgery and body image concerns (Stefanile et al., 2015). Consistent with the theories described previously, high rates of appearance investment and anxiety in Cyprus, as compared to other European countries, were interpreted as being related to the lower economic power of the area and recent rapid urbanization and change (Koutsantoni et al., 2020).

Among European samples, body image has been found to be associated with mental health concerns including internalizing symptoms (Ramos et al., 2019), eating disorder symptoms (Rodgers et al., 2011), and poor psychological functioning (Corry et al., 2009; Træen et al., 2016). Given the preliminary evidence for the burden of body image concerns in Europe, continuing to develop efforts toward prevention is critical (Barbosa, 2021).

Latin America

Body image disturbances and physical appearance concerns are prevalent in most Latin American countries (McArthur et al., 2005; Silva et al., 2011; Forbes et al., 2012; Amaral and Ferreira, 2017; Swami et al., 2020; Bolívar-Suárez et al., 2021; León-Paucar et al., 2021). Research points to several sociocultural factors related to body image concerns in Latin American samples, such as pressure to achieve socially prescribed body ideals and the internalization of appearance ideals (Austin and Smith, 2008; Mellor et al., 2008; Forbes et al., 2012; de Carvalho et al., 2017; de Carvalho and Ferreira, 2020), unique pressures to meet unrealistic standards of beauty (Forbes et al., 2012; Gruber et al., 2022), thin-ideal awareness

(Moreno-Domínguez et al., 2019), negative appearance-related messages from family members (Rivero et al., 2022), acculturative stress (Quiñones et al., 2022), and acculturation (Marquez and Benitez, 2021).

It is noteworthy that poor mental health has been associated with body image concerns in Latin American countries, including low self-esteem (Amaral and Ferreira, 2017; Bolívar-Suárez et al., 2021), depressive symptoms (Amaral and Ferreira, 2017; Delgado-Floody et al., 2021; León-Paucar et al., 2021), poor psychological well-being (Amaral and Ferreira, 2017; Lemes et al., 2018; Matias et al., 2020), mental health concerns (Pinheiro et al., 2007; Silva et al., 2011), and eating disorder symptoms (Compte et al., 2015; Amaral and Ferreira, 2017; de Carvalho et al., 2017; de Carvalho and Ferreira, 2020). Although effective interventions to decrease body image concerns have been developed for Latin Americans (Castillo et al., 2019; Almeida et al., 2021; Rutzstein et al., 2021; Resende et al., 2022), there is still a critical need to position body image as a priority in public mental health policies, and again several of these programs address body image as a risk factor within eating disorder prevention. This may be particularly challenging in Latin America countries, given difficulties faced in their operationalization, financing, and adaptation to sociocultural realities (Leiva-Peña et al., 2021).

Asia and South-East Asia

Beauty ideals in Asia and South-East Asia have been described as centering around being small-bodied as well as a particular emphasis on facial features (Mellor et al., 2013) and skin tone (Prusaczyk and Choma, 2018). Asia is a very diverse area in terms of affluence and cultural groups, and unsurprisingly, these differences have been found to be associated with variations in body image concerns. Thus, for example, in highly Westernized and affluent parts of Asia, levels of body image concerns are among the highest in the world (e.g. Shih and Kubo, 2005; Jung et al., 2009).

As in other cultures, support has been found for the role of media influence in body image across Asian countries including in Singapore (Chang et al., 2019), Taiwan (Chang et al., 2013), Korea (You and Shin, 2020), Hong Kong and China (Rochelle and Hu, 2017), and Japan (Ando et al., 2021), as well as the role of the internalization of appearance ideals (Omori et al., 2017; Hsu et al., 2021). In addition, work has been accumulating from a positive body image perspective, suggesting that these constructs are relevant to these groups (Swami and Jaafar, 2012; Todd and Swami, 2020).

As documented in other cultural contexts, in Asian countries body image concerns have been associated with eating disorder symptoms (Yamamiya et al., 2008; Chisuwa and O'Dea, 2010; Kaewpradub et al., 2017), depression (Prusaczyk and Choma, 2018), and poorer quality of life (Santhira Shagar et al., 2021). In very recent years, prevention efforts have been extended to affluent and developing areas of Asia (Craddock et al., 2021; Danthinne et al., 2022; Garbett et al., 2022); however, more work is needed.

The Middle East

Body image concerns are present in the Middle East; however, much of the existing work has focused on women, with rare exceptions (Melki et al., 2015; Saghir and Hyland, 2017). A study among women from Bahrain, Egypt, Jordan, Oman, and Syria revealed that in each country 32–39% of women reported being dissatisfied with their body weight, and 17–22% reported a

preference for the body shape of Western models (Musaiger, 2015). In another study among women from southwestern Saudi Arabia, 77% indicated a discrepancy between their actual, perceived, and ideal weights (Khalaf *et al.*, 2015).

Similar to findings in other settings, urbanization has been associated with a preference for thinness (Jackson *et al.*, 2003), and research has pointed to the role of sociocultural factors in body image concerns, including the role of media (Tayyem *et al.*, 2016; Saghier and Hyland, 2017) and the internalization of appearance ideals (Melki *et al.*, 2015; Zainal *et al.*, 2020). Perhaps in this geographic area more than others, the role of cultural and religious values and behaviors has been explored, with findings suggesting that the relationships are complex and require further disentangling (Al-Mutawa *et al.*, 2019; Sidi *et al.*, 2020).

Again, as in other contexts, body image concerns have been associated with eating disorder symptoms in students from Iran (Naeimi *et al.*, 2016) and with depression among students in Turkey (Tayfur and Evrensel, 2020). These findings suggest that here too, body image may be accompanied by significant mental health burden, and that tailoring and extending prevention efforts to these settings would be important.

Africa

While specific appearance ideals and body image concerns vary across contexts throughout Sub-Saharan Africa, traditional standards of beauty for women often reflect a preference for a larger body size and a fuller, curvier shape (Furnham and Baguma, 1994; Tovée *et al.*, 2006; Naigaga *et al.*, 2018). These traditional standards of attractiveness and beauty continue to exert influence on body image ideals today, with women and men at higher weights endorsing greater appearance satisfaction than those at lower weights (Otakpor and Ehimigbai, 2016; Tuoyire *et al.*, 2018).

Consistent with this, cross-cultural work has supported that body image satisfaction, including as related to weight and muscularity, is higher among groups from African countries as compared to similarly aged groups from countries such as China, Indonesia, and Ecuador (Blum *et al.*, 2021), and the UK (Thornborrow *et al.*, 2020).

However, globalization has brought increasing pressures to achieve Eurocentric beauty ideals and a greater desire for smaller hips, larger buttocks, straight hair, lighter skin tones, and slimmer noses among African women (Balogun-Mwangi *et al.*, *under review*; Eddy *et al.*, 2007; Kaziga *et al.*, 2021). Consistent with theories regarding the role of accelerating modernity, among women in South Africa, Cameroon, and Uganda, higher levels of desire for thinness and preference for smaller bodies have developed (Dapi *et al.*, 2007; Pioreschi *et al.*, 2017; Kaziga *et al.*, 2021), as well as a preference for Eurocentric beauty ideals among women from Nigeria versus Kenya (Balogun-Mwangi *et al.*, *under review*). Thus, appearance ideals may be changing in African countries and pressures to pursue mainstream globalized appearances may be increasing.

As predicted by sociocultural theories, these pressures, including pressures from social media, which represents a principal source of globalized appearance pressures, have been found to be associated with body size dissatisfaction (Michels and Amenyah, 2017), desire for a thinner body (Terhoeven *et al.*, 2020), and poorer overall body image (Kaziga *et al.*, 2021) in Ghana, Burkina Faso, and Uganda, respectively. Although multiple factors may be at play, increased exposure to Western (but not Zimbabwean) media was found to account for poorer body image among Zimbabwean

women (Swami *et al.*, 2012). The literature pertaining to body image among men in Africa is more scarce. Nevertheless, emerging research has suggested that while dissatisfaction with muscularity may be present in men, rates are lower than in other cultural contexts such as the USA (Frederick *et al.*, 2007).

Consistent with findings from around the globe, in Africa greater body image concerns have been associated with poorer mental health outcomes, including eating disorders (Pioreschi *et al.*, 2017; Terhoeven *et al.*, 2020), depression and anxiety (Corona *et al.*, 2019), lower quality of life (Ejike, 2015), and general psychiatric morbidity (Otakpor and Ehimigbai, 2016). Again, efforts to prevent this burden would be important.

Global commonalities

Although differences exist, the literature has also highlighted commonalities across countries at the global level in terms of appearance ideals (Lipinski and Pope, 2002; Swami *et al.*, 2010), the nature of body image concerns, and potential risk factors in the development of these concerns. Support has been found for media exposure, and particularly Westernized media exposure, as a correlate of poorer body image among adults across 26 countries in 10 world regions (Swami *et al.*, 2010; Schaefer *et al.*, 2019). Similarly, among adolescents from 24 countries across Europe, Canada, and the USA, the role of parental influence in body image has been supported (Al Sabbah *et al.*, 2009). These findings provide strong support for continuing to ground work in sociocultural models that account for these pathways.

In addition, the literature has supported the fact that immigration from a lower income and less Westernized area to a higher income, urban, and Westernized area is frequently accompanied by increased body image concerns (Toselli *et al.*, 2016). This increase may be related to greater exposure to Western media, as well as increased minority stress, and a loss of capital that may lead to body capital becoming more salient.

Importantly, the consistent findings regarding the association between body image and multiple indicators of poor mental health including eating disorders, mood disorders, and general impaired functioning highlight the critical nature of body image concerns. Coordinated efforts should be made to address this global issue.

Theoretical and practical implications

Theoretical implications

Predominant theories that have been useful for conceptualizing body image concerns include those that highlight the importance of sociocultural identities, particularly from an intersectional and minority stress standpoint. The majority of the work that has been conducted outside of high-income Western countries has focused on sociocultural elements including pressures toward thinness and internalization of media ideals (e.g. Moreno-Domínguez *et al.*, 2019; Zainal *et al.*, 2020; Hsu *et al.*, 2021). This represents an important gap, as theories that can account for the ways in which appearance is tied to power and privilege are likely particularly useful ones in such contexts. Future work at the global level should seek to explore these facets to a greater extent. It is notable, however, that the work grounded in sociocultural theories suggested that these frameworks and their related constructs are still applicable outside of affluent Western contexts. Together, these findings suggest that additional attention should be focused on extending theories to be culturally informed and sensitive to cultural

variations as well as integrating important elements of minority and intersectionality theory.

Practice implications

From a practice perspective, findings highlight three important elements. First, the prevalence of body image concerns worldwide is high. Second, these concerns are robustly linked to mental health concerns. Third, prevention efforts are limited by their failure to be embedded in existing structures (e.g. school curriculum, etc.) and by the fact that some of the programs that have received the greatest research attention target body image in the context of eating disorder prevention. Together, these three elements point to an urgent need to elevate the seriousness of appearance concerns at a global level and to continue efforts to develop universal and targeted interventions with a broad reach that can be easily disseminated, for example through embedding them in existing services for youth or by leveraging the reach of digital technologies. These efforts should build on additional work extending theoretical frameworks that can identify cross-cultural core intervention targets (such as internalization of appearance ideals) as well as culturally specific ones.

Future directions

Although initially constricted to high-income English-speaking countries, the empirical literature focused on body image has started to extend to a global level, making important contributions to our knowledge of the global burden of body image concerns. Despite these contributions, several areas of future research emerge.

Extending to more diverse groups

Replicating the ways in which the body image literature developed within the field, the majority of the extant literature from areas such as Africa or the Middle East has to date largely focused on women and thinness-related concerns. Moving forward, it will be important to extend this work to more diverse groups in terms of gender, sexual orientation, age, and ability. Moreover, while important work has been conducted on the role of urbanization, it will be important to better understand how low socioeconomic status may place individuals at greatest risk for body image concerns and unhealthy behaviors in urban settings. Finally, using an intersectional lens will enrich the literature and provide a more fine-grained understanding of the way vulnerability to these concerns is distributed through the population (Burke et al., 2020).

Expanding to more culturally relevant understandings of body image

As described above, a large amount of the existing literature has centered on body weight and shape, with a predominant focus on thinness and to some extent on muscularity. Evidence for the importance of other aspects of appearance in body image exists, however (Lowy et al., 2021). Future research should seek to better characterize the aspects of appearance that may be particularly central to body image in different groups so as to conduct culturally sensitive research.

In addition, greater focus on positive elements of body image will help to shift conceptualizations toward a strengths-based model and to increase understanding of the unique strengths

certain cultural groups may have in terms of positive body image. In particular, exploring settings in which appearance is less salient may be helpful for understanding how to decenter appearance in affluent and highly Westernized contexts.

Preventing and decreasing body image concerns

Finally, given the global rates and commonalities of body image concerns, greater efforts should be made to prevent and decrease these concerns. Although scalable interventions have started to emerge across the globe (Marchand et al., 2011; Craddock et al., 2021; Garbett et al., 2022), this work is still in its infancy. In addition to developing such programs, working with stakeholders and policymakers is crucial to decreasing universal risk for body image concerns effectively at a global level, with Western media emerging as a particularly important target (Bell et al., 2016).

Conclusions

The findings from this review highlight how body image concerns constitute a burden at the global level, with higher levels of risk among already vulnerable groups. The oppressive nature of appearance ideals, combined with their function to maintain social hierarchies and generate profit, contributes to explaining this increased risk. The variations in risk observed at the global level, which map onto levels of economic development and international power, are to some extent replicated within countries (such as within the USA where minoritized groups experience greater concerns) and geographic areas (e.g. in Europe, where lower income countries report higher levels of body image concerns). However, countries in which Westernized appearance ideals are still only gaining ground, and where the social emphasis on appearance is lower, may still be protected from body image concerns to some extent (Frederick et al., 2007).

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References

- Aimé A, Dion J and Maïano C (2022) *L'image Corporelle Sous Toutes Ses Formes*. PUQ, Québec, Canada.
- Al Sabbah H, Vereecken CA, Elgar FJ, Nansel T, Aasvee K, Abdeen Z, Ojala K, Ahluwalia N and Maes L (2009) Body weight dissatisfaction and communication with parents among adolescents in 24 countries: International cross-sectional survey. *BMC Public Health* 9, 52.
- Alleva JM and Tylka TL (2021) Body functionality: A review of the literature. *Body Image* 36, 149–171.
- Almeida M, Brown TA, Campos PF, Amaral ACS and de Carvalho PHB (2021) Dissonance-based eating disorder prevention delivered in-person after an online training: A randomized controlled trial for Brazilian men with body dissatisfaction. *International Journal of Eating Disorders* 54, 293–304.
- Al-Mutawa N, Schuilenberg SJ, Justine R and Taher SK (2019) Modesty, objectification, and disordered eating patterns: A comparative study between veiled and unveiled Muslim women residing in Kuwait. *Medical Principles and Practice* 28, 41–47.

- Amaral ACS and Ferreira MEC** (2017) Body dissatisfaction and associated factors among Brazilian adolescents: A longitudinal study. *Body Image* **22**, 32–38.
- Ando K, Giorgianni FE, Danthinne ES and Rodgers RF** (2021) Beauty ideals, social media, and body positivity: A qualitative investigation of influences on body image among young women in Japan. *Body Image* **38**, 358–369.
- Austin JL and Smith JE** (2008) Thin ideal internalization in Mexican girls: A test of the sociocultural model of eating disorders. *International Journal of Eating Disorders* **41**, 448–457.
- Balogun-Mwangi O, Robinson-Wood TL, DeTore NR, Edwards George JB, Rodgers RF and Sanchez W** (under review). Body image and Black African women: A comparative study of Kenya and Nigeria.
- Barbosa BD** (2021) Impact of a school-based body image intervention in Portuguese adolescents: The confident me programme. Accessed 25 Jan 2022. Available at <http://repositorio-aberto.up.pt>.
- Becker AE** (2004) Television, disordered eating, and young women in Fiji: Negotiating body image and identity during rapid social change. *Culture, Medicine and Psychiatry* **28**, 533–559.
- Bell MJ, Rodgers RF and Paxton SJ** (2016) Towards successful evidence-based universal eating disorders prevention: The importance of zooming out. *Eating Behaviors* **25**, 89–92.
- Blum RW, Li M, Choiriyah I, Barnette Q, Michielson K and Mmari K** (2021) Body satisfaction in early adolescence: A multisite comparison. *Journal of Adolescent Health* **69**, S39–S46.
- Bolívar-Suárez Y, Gómez JAM, Yanez-Peñúñuri LY, Anaconda CAR and Gómez AMG** (2021) Self-esteem, body image, and dating violence in Colombian adolescents and young adults. *Journal of Interpersonal Violence* **37**, NP11628–NP11651.
- Bourdieu P** (2018). The forms of capital. In *The Sociology of Economic Life*. Routledge, Westport, CT. pp. 78–92.
- Brausch AM and Gutierrez PM** (2009) The role of body image and disordered eating as risk factors for depression and suicidal ideation in adolescents. *Suicide and Life-Threatening Behavior* **39**, 58–71.
- Brewster ME, Sandil R, DeBlaere C, Breslow A and Eklund A** (2017) “Do you even lift, bro?” objectification, minority stress, and body image concerns for sexual minority men. *Psychology of Men & Masculinity* **18**, 87–98.
- Brewster ME, Velez BL, Breslow AS and Geiger EF** (2019) Unpacking body image concerns and disordered eating for transgender women: The roles of sexual objectification and minority stress. *Journal of Counseling Psychology* **66**, 131–142.
- Burke NL, Schaefer LM, Hazzard VM and Rodgers RF** (2020) Where identities converge: The importance of intersectionality in eating disorders research. *International Journal of Eating Disorders* **53**, 1605–1609.
- Cash TF** (2004) Body image: Past, present, and future. *Body Image* **1**, 1–5.
- Castillo I, Solano S and Sepúlveda AR** (2019) A controlled study of an integrated prevention program for improving disordered eating and body image among Mexican university students: A 3-month follow-up. *European Eating Disorders Review* **27**, 541–556.
- Chang FC, Lee CM, Chen PH, Chiu CH, Pan YC and Huang TF** (2013) Association of thin-ideal media exposure, body dissatisfaction and disordered eating behaviors among adolescents in Taiwan. *Eating Behaviors* **14**, 382–385.
- Chang L, Li P, Loh RSM and Chua THH** (2019) A study of Singapore adolescent girls’ selfie practices, peer appearance comparisons, and body esteem on Instagram. *Body Image* **29**, 90–99.
- Chisuwa N and O’Dea JA** (2010) Body image and eating disorders amongst Japanese adolescents. A review of the literature. *Appetite* **54**, 5–15.
- Compte EJ, Sepúlveda AR and Torrente F** (2015) A two-stage epidemiological study of eating disorders and muscle dysmorphia in male university students in Buenos Aires. *International Journal of Eating Disorders* **48**, 1092–1101.
- Convertino AD, Helm JL, Pennesi J-L, Gonzales M and Blashill AJ** (2021) Integrating minority stress theory and the tripartite influence model: A model of eating disordered behavior in sexual minority young adults. *Appetite* **163**, 105204.
- Corona R, Hood KB and Haffejee F** (2019) The relationship between body image perceptions and condom use outcomes in a sample of south African emerging adults. *Prevention Science* **20**, 147–156.
- Corry N, Pruzinsky T and Rumsey N** (2009) Quality of life and psychosocial adjustment to burn injury: Social functioning, body image, and health policy perspectives. *International Review of Psychiatry* **21**, 539–548.
- Craddock N, Garbett KM, Haywood S, Nasution K, White P, Saraswati L, Rizkiah C, Medise B and Diedrichs PC** (2021) ‘Dove confident me Indonesia: Single session’: Study protocol for a randomised controlled trial to evaluate a school-based body image intervention among Indonesian adolescents. *BMC Public Health* **21**, 2101.
- Danthinne ES, Giorgianni FE, Ando K and Rodgers RF** (2022) Real beauty: Effects of a body-positive video on body image and capacity to mitigate exposure to social media images. *British Journal of Health Psychology* **27**, 320–337.
- Dapi LN, Omoloko C, Janlert U, Dahlgren L and Håglin L** (2007) I eat to be happy, to be strong, and to live. Perceptions of rural and urban adolescents in Cameroon, Africa. *Journal of Nutrition Education and Behavior* **39**, 320–326.
- Davison TE and McCabe MP** (2006) Adolescent body image and psychosocial functioning. *Journal of Social Psychology* **146**, 15–30.
- de Carvalho PHB, Alvarenga MS and Ferreira MEC** (2017) An etiological model of disordered eating behaviors among Brazilian women. *Appetite* **116**, 164–172.
- de Carvalho PHB and Ferreira MEC** (2020) Disordered eating and body change behaviours: Support for the tripartite influence model among Brazilian male university students. *Ciência & Saúde Coletiva* **25**, 4485–4495.
- Delgado-Floody P, Guzmán-Guzmán IP, Caamaño-Navarrete F, Jerez-Mayorga D, Zulic-Agramunt C and Cofré-Lizama A** (2021) Depression is associated with lower levels of physical activity, body image dissatisfaction, and obesity in Chilean preadolescents. *Psychology, Health & Medicine* **26**, 518–531.
- Diedrichs PC, Atkinson MJ, Steer RJ, Garbett KM, Rumsey N and Halliwell E** (2015) Effectiveness of a brief school-based body image intervention ‘dove confident me: Single Session’ when delivered by teachers and researchers: Results from a cluster randomised controlled trial. *Behaviour Research and Therapy* **74**, 94–104.
- Drummond MJ** (2002) Men, body image, and eating disorders. *International Journal of Men’s Health* **1**, 89–103.
- Eddy KT, Hennessey M and Thompson-Brenner H** (2007) Eating pathology in east African women: The role of media exposure and globalization. *The Journal of Nervous and Mental Disease* **195**(3), 196–202.
- Edmonds A** (2007) ‘The poor have the right to be beautiful’: Cosmetic surgery in neoliberal Brazil. *Journal of the Royal Anthropological Institute* **13**, 363–381.
- Ejike CE** (2015) Body shape dissatisfaction is a ‘normative discontent’ in a young-adult Nigerian population: A study of prevalence and effects on health-related quality of life. *Journal of Epidemiology and Global Health* **5**, S19–S26.
- Fitzsimmons-Craft EE** (2011) Social psychological theories of disordered eating in college women: Review and integration. *Clinical Psychology Review* **31**, 1224–1237.
- Forbes GB, Jung J, Vaamonde JD, Omar A, Paris L and Formiga NS** (2012) Body dissatisfaction and disordered eating in three cultures: Argentina, Brazil, and the US. *Sex Roles* **66**, 677–694.
- Frederick DA, Buchanan GM, Sadehgi-Azar L, Peplau LA, Haselton MG, Berezovskaya A and Lipinski RE** (2007) Desiring the muscular ideal: Men’s body satisfaction in the United States, Ukraine, and Ghana. *Psychology of Men & Masculinity* **8**, 103–117.
- Frederick DA, Crerand CE, Brown TA, Perez M, Best CR, Cook-Cottone CP, Compte EJ, Convertino L, Gordon AR, Malcarne VL, Nagata JM, Parent MC, Pennesi J, Pila E, Rodgers RF, Schaefer LM, Thompson JK, Tylka TL and Murray SB** (2022) Demographic predictors of body image satisfaction: The US body project I. *Body Image* **41**, 17–31.
- Furnham A and Baguma P** (1994) Cross-cultural differences in the evaluation of male and female body shapes. *International Journal of Eating Disorders* **15**, 81–89.
- Garbett KM, Craddock N, Haywood S, Nasution K, White P, Saraswati LA, Medise BE, Diedrichs PC and Williamson H** (2022) A novel, scalable social media-based intervention (“Warna-Warni Waktu”) to reduce body dissatisfaction among young Indonesian women: Protocol for a parallel randomized controlled trial. *JMIR Research Protocols* **11**, e33596.
- Gorrell S, Trainor C and Le Grange D** (2019) The impact of urbanization on risk for eating disorders. *Current Opinion in Psychiatry* **32**, 242.
- Gruber E, Kalkbrenner MT and Hitter TL** (2022) A complex conceptualization of beauty in Latinx women: A mixed methods study. *Body Image* **41**, 432–442.

- Halliwell E (2015) Future directions for positive body image research. *Body Image* **14**, 177–189.
- Hesse-Biber S, Leavy P, Quinn CE and Zoino J (2006) The mass marketing of disordered eating and eating disorders: The social psychology of women, thinness and culture. *Women's Studies* **29**, 208–224.
- Holmqvist K and Frisén A (2010) Body dissatisfaction across cultures: Findings and research problems. *European Eating Disorders Review* **18**, 133–146.
- Hsu JL, Hung RT and Antoine M (2021) Investigating the linkages between BMI, body image, and SATAQ among young Asian females. *International Journal of Environmental Research and Public Health* **18**, 7460.
- Hunter ML (2011) Buying racial capital: Skin-bleaching and cosmetic surgery in a globalized world. *The Journal of Pan African Studies* **4**, 142–164.
- Jackson RT, Rashed M and Saad-Eldin R (2003) Rural urban differences in weight, body image, and dieting behavior among adolescent Egyptian school-girls. *International Journal of Food Sciences and Nutrition* **54**, 1–11.
- Jarry JL, Dignard NA and O'Driscoll LM (2019) Appearance investment: The construct that changed the field of body image. *Body Image* **31**, 221–244.
- Jung J, Forbes GB and Lee Y-J (2009) Body dissatisfaction and disordered eating among early adolescents from Korea and the US. *Sex Roles* **61**, 42–54.
- Kaewpradub N, Kiatrungrit K, Hongsanguansri S and Pavasuthipaisit C (2017) Association among internet usage, body image and eating behaviors of secondary school students. *Shanghai Archives of Psychiatry* **29**, 208.
- Kaziga R, Muchunguzi C, Achen D and Kools S (2021) Beauty is skin deep: the self-perception of adolescents and young women in construction of body image within the Ankole society. *International Journal of Environmental Research and Public Health* **18**, 7840.
- Khalaf A, Westergren A, Berggren V, Ekblom Ö and Al-Hazzaa HM (2015) Perceived and ideal body image in young women in South Western Saudi Arabia. *Journal of Obesity* **2015**, 697163.
- Koutsantoni M, Kkeli N and Argyrides M (2020) The comparison of Cyprus to six other European countries on body image satisfaction, appearance investment and weight and appearance-related anxiety. *The European Journal of Counselling Psychology* **8**, 32–42.
- Kvale IL, Graham CA, Hald GM, Carvalheira AA, Jansen E and Štulhofer A (2020) The role of body image in sexual satisfaction among partnered older adults: A population-based study in four European countries. *European Journal of Ageing* **17**(2), 163–173.
- Leiva-Peña V, Rubí-González P and Vicente-Parada B (2021) Social determinants of mental health: Public policies based on the biopsychosocial model in Latin American countries. Determinantes sociais da saúde mental: políticas públicas a partir do Modelo biopsicossocial em países latino-americanos. *Pan American Journal of Public Health* **45**, e158.
- Lemes DCM, Câmara SG, Alves GG and Aerts D (2018) Body image satisfaction and subjective wellbeing among ninth-grade students attending state schools in Canoas, Brazil. *Ciencia & Saude Coletiva* **23**, 4289–4298.
- León-Paucar SD, Calderón-Olivos BC, Calizaya-Milla YE and Santilla J (2021) Depression, dietary intake, and body image during coronavirus disease 2019 quarantine in Peru: An online cross-sectional study. *SAGE Open Medicine* **9**, 20503121211051914.
- Lewis-Smith H, Diedrichs PC and Halliwell E (2019) Cognitive-behavioral roots of body image therapy and prevention. *Body Image* **31**, 309–320.
- Lipinski JP and Pope HG (2002) Body ideals in young Samoan men: A comparison with men in North America and Europe. *International Journal of Men's Health* **1**, 163.
- Lowy AS, Rodgers RF, Franko DL, Pluhar E and Webb JB (2021) Body image and internalization of appearance ideals in black women: An update and call for culturally-sensitive research. *Body Image* **39**, 313–327.
- Marchand E, Stice E, Rohde P and Becker CB (2011) Moving from efficacy to effectiveness trials in prevention research. *Behaviour Research and Therapy* **49**, 32–41.
- Marquez B and Benitez T (2021) Individual and family factors in disordered eating patterns of Mexican-American women. *American Journal of Health Behavior* **45**, 1050–1058.
- Matias TS, Silva KS, Duca GFD, Bertuol C, Lopes MVV and Nahas MV (2020) Attitudes towards body weight dissatisfaction associated with adolescents' perceived health and sleep (PeNSE 2015). *Ciência & Saúde Coletiva* **25**, 1483–1490.
- McArthur LH, Holbert D and Pena M (2005) An exploration of the attitudinal and perceptual dimensions of body image among male and female adolescents from six Latin American cities. *Adolescence* **40**, 801–816.
- McElhone S, Kearney JM, Giachetti I, Zunft HJ and Martínez JA (1999) Body image perception in relation to recent weight changes and strategies for weight loss in a nationally representative sample in the European Union. *Public Health Nutrition* **2**, 143–151.
- McLaren L and Kuh D (2004) Women's body dissatisfaction, social class, and social mobility. *Social Science & Medicine* **58**, 1575–1584.
- McLean SA and Paxton SJ (2019) Body image in the context of eating disorders. *Psychiatric Clinics* **42**, 145–156.
- Melki JP, Hitti EA, Oghia MJ and Mufarrij AA (2015) Media exposure, mediated social comparison to idealized images of muscularity, and anabolic steroid use. *Health Communication* **30**, 473–484.
- Mellor D, McCabe M, Ricciardelli L and Merino ME (2008) Body dissatisfaction and body change behaviors in Chile: The role of sociocultural factors. *Body Image* **5**, 205–215.
- Mellor D, Waterhouse M, Bt Mamat NH, Xu X, Cochrane J, McCabe M and Ricciardelli L (2013) Which body features are associated with female adolescents' body dissatisfaction? A cross-cultural study in Australia, China and Malaysia. *Body Image* **10**, 54–61.
- Michels N and Amenah SD (2017) Body size ideals and dissatisfaction in Ghanaian adolescents: Role of media, lifestyle and well-being. *Public Health* **146**, 65–74.
- Moreno-Domínguez S, Rutzstein G, Geist TA, Pomichter EE and Cepeda-Benito A (2019) Body mass index and nationality (argentine vs. Spanish) moderate the relationship between internalization of the thin ideal and body dissatisfaction: A conditional mediation model. *Frontiers in Psychology* **10**, 582.
- Musaiger A (2015) Body weight concern among female university students in five Arab countries—a preliminary cross-cultural study. *Annals of Agricultural and Environmental Medicine* **22**, 349–352.
- Naeimi AF, Haghghighian HK, Gargari BP, Alizadeh M and Rouzitalab T (2016) Eating disorders risk and its relation to self-esteem and body image in Iranian university students of medical sciences. *Eating and Weight Disorders* **21**, 597–605.
- Naigaga DA, Jahanlu D, Claudius HM, Gjerlaug AK, Barikmo I and Henjum S (2018) Body size perceptions and preferences favor overweight in adult Saharawi refugees. *Nutrition Journal* **17**, 17.
- Omori M, Yamazaki Y, Aizawa N and de Zoysa P (2017) Thin-ideal internalization and body dissatisfaction in Sri Lankan adolescents. *Journal of Health Psychology* **22**, 1830–1840.
- Otakpor AN and Ehimigbai M (2016) Body image perception and mental health of in-school adolescents in Benin City, Nigeria. *The Nigerian Postgraduate Medical Journal* **23**, 71–78.
- Pachankis JE, Clark KA, Burton CL, Hughto JMW, Bränström R and Keene DE (2020) Sex, status, competition, and exclusion: Intra-minority stress from within the gay community and gay and bisexual men's mental health. *Journal of Personality and Social Psychology* **119**, 713.
- Peterson RD, Grippo KP and Tantleff-Dunn S (2008) Empowerment and powerlessness: A closer look at the relationship between feminism, body image and eating disturbance. *Sex Roles* **58**(9), 639–648.
- Pinheiro KAT, Horta BL, Pinheiro RT, Horta LL, Terres NG and Silva RA (2007) Common mental disorders in adolescents: A population based cross-sectional study. *Brazilian Journal of Psychiatry* **29**, 241–245.
- Piran N (2019) *Handbook of Positive Body Image and Embodiment: Constructs, Protective Factors, and Interventions*. New York: Oxford University Press.
- Prioreschi A, Wrottesley SV, Cohen E, Reddy A, Said-Mohamed R, Twine R, Tollman SM, Kahn K, Dunger DB and Norris SA (2017) Examining the relationships between body image, eating attitudes, BMI, and physical activity in rural and urban south African young adult females using structural equation modeling. *PLoS One* **12**, e0187508.
- Prusaczyk E and Choma BL (2018) Skin tone surveillance, depression, and life satisfaction in Indian women: Colour-blind racial ideology as a moderator. *Body Image* **27**, 179–186.
- Quiñones IC, Herbozo S and Haedt-Matt AA (2022) Body dissatisfaction among ethnic subgroups of Latin women: An examination of acculturative stress and ethnic identity. *Body Image* **41**, 272–283.

- Ramos P, Moreno-Maldonado C, Moreno C and Rivera F (2019) The role of body image in internalizing mental health problems in Spanish adolescents: An analysis according to sex, age, and socioeconomic status. *Frontiers in Psychology* **10**, 1952.
- Resende TRO, Almeida M, dos Santos Alvarenga M, Brown TA and de Carvalho PHB (2022) Dissonance-based eating disorder prevention improves intuitive eating: A randomized controlled trial for Brazilian women with body dissatisfaction. *Eating and Weight Disorders-Studies on Anorexia, Bulimia and Obesity* **27**, 1099–1112.
- Rivero A, Killoren SE, Kline G and Campione-Barr N (2022) Negative messages from parents and sisters and Latina college students' body image shame. *Body Image* **42**, 98–109.
- Roberts TA, Calogero RM and Gervais SJ (2018) Objectification theory: Continuing contributions to feminist psychology. In Travis CB, White JW, Rutherford A, Williams WS, Cook SL and Wyche KF (eds.), *APA Handbook of the Psychology of Women: History, Theory, and Battlegrounds*, American Psychological Association, Washington, D.C. pp. 249–271.
- Rochelle TL and Hu W (2017) Media influence on drive for thinness, body satisfaction, and eating attitudes among young women in Hong Kong and China. *Psychology, Health & Medicine* **22**, 310–318.
- Rodgers RF, Chabrol H and Paxton SJ (2011) An exploration of the tripartite influence model of body dissatisfaction and disordered eating among Australian and French college women. *Body Image* **8**, 208–215.
- Rutzstein G, Murawski B, Leonardelli E, Scappatura ML, Elizathe L, Custodio J, ... Keegan E (2021) Prevention of eating disorders: Impact on female adolescents from Argentina with and without dieting behavior. *Mental Health & Prevention* **22**, 200202.
- Saghir S and Hyland L (2017) The effects of immigration and media influence on body image among Pakistani men. *American Journal of Men's Health* **11**, 930–940.
- Santhira Shagar P, Donovan CL, Boddy J, Tapp C and Harris N (2021) Does culture moderate the relationship between body dissatisfaction and quality of life? A comparative study of Australian and Malaysian emerging adults. *Health Psychology Open* **8**, 205510292111018378.
- Schaefer LM, Burke NL, Anderson LM, Thompson JK, Heinberg LJ, Bardone-Cone AM, MKH N, Frederick DA, Anderson DA, Schaumberg K, Nerini A, Stefanile C, Dittmar H, Klump KL, Vercellone AC and Paxton SJ (2019) Comparing internalization of appearance ideals and appearance-related pressures among women from the United States, Italy, England, and Australia. *Eating and Weight Disorders* **24**, 947–951.
- Shih MY and Kubo C (2005) Body shape preference and body satisfaction of Taiwanese and Japanese female college students. *Psychiatry Research* **133**, 263–271.
- Shroff H and Thompson JK (2006) The tripartite influence model of body image and eating disturbance: A replication with adolescent girls. *Body Image* **3**, 17–23.
- Sidi Y, Geller S, Abu Sinni A, Levy S and Handelzalts JE (2020) Body image among Muslim women in Israel: Exploring religion and sociocultural pressures. *Women & Health* **60**, 1095–1108.
- Silva DAS, Nahas MV, de Sousa TF, Del Duca GF and Peres KG (2011) Prevalence and associated factors with body image dissatisfaction among adults in southern Brazil: A population-based study. *Body Image* **8**, 427–431.
- Silveira ML, Ertel KA, Dole N and Chasan-Taber L (2015) The role of body image in prenatal and postpartum depression: A critical review of the literature. *Archives of Women's Mental Health* **18**, 409–421.
- Stefanile C, Matera C, Nerini A and Pasciuccio L (2015) Predittori Dell'interesse per La Chirurgia Estetica. Influenze Socioculturali E Insoddisfazione Corporea. *Psicologia Della Salute* **1**, 108–130.
- Swami V, Frederick DA, Aavik T, Alcalay L, Allik J, Anderson D, Andrianto S, Arora A, Brännström Å and Cunningham J (2010) The attractive female body weight and female body dissatisfaction in 26 countries across 10 world regions: Results of the international body project I. *Personality and Social Psychology Bulletin* **36**, 309–325.
- Swami V and Jaafar JL (2012) Factor structure of the body appreciation scale among Indonesian women and men: Further evidence of a two-factor solution in a non-Western population. *Body Image* **9**, 539–542.
- Swami V, Mada R and Tovée MJ (2012) Weight discrepancy and body appreciation of Zimbabwean women in Zimbabwe and Britain. *Body Image* **9**, 559–562.
- Swami V, Tran US, Barron D, Afhami R, Aimé A, Almenara CA, Dal NA, Amaral ACS, et al. (2020) The breast size satisfaction survey (BSS): Breast size dissatisfaction and its antecedents and outcomes in women from 40 nations. *Body Image* **32**, 199–217.
- Tayfur SN and Evrensel A (2020) Investigation of the relationships between eating attitudes, body image and depression among Turkish university students. *Rivista di Psichiatria* **55**, 90–97.
- Tayyem RF, Bawadi HA, AbuMweis SS, Allehdan S, Agraib L, Ghazzawi HA, Al-Mannai MA and Musaiger AO (2016) Association between mass media and body weight concern among Jordanian adolescents' residents of Amman: The role of gender and obesity. *Environmental Health and Preventive Medicine* **21**, 430–438.
- Terhoeven V, Nikendei C, Bärnighausen T, Bountogo M, Friederich HC, Ouermi L, Sié A and Harling G (2020) Eating disorders, body image and media exposure among adolescent girls in rural Burkina Faso. *Tropical Medicine & International Health* **25**, 132–141.
- Thompson JK, Heinberg LJ, Altabe M and Tantleff-Dunn S (1999) *Exacting Beauty: Theory, Assessment, and Treatment of Body Image Disturbance*. Washington, DC: American Psychological Association.
- Thornborrow T, Onwuegbusi T, Mohamed S, Boothroyd LG and Tovée MJ (2020) Muscles and the media: A natural experiment across cultures in men's body image. *Frontiers in Psychology* **11**, 495.
- Todd J and Swami V (2020) Assessing the measurement invariance of two positive body image instruments in adults from Malaysia and the United Kingdom. *Body Image* **34**, 112–116.
- Toselli S, Rinaldo N and Gualdi-Russo E (2016) Body image perception of African immigrants in Europe. *Globalization and Health* **12**, 48.
- Tovée MJ, Swami V, Furnham A and Mangalparsad R (2006) Changing perceptions of attractiveness as observers are exposed to a different culture. *Evolution and Human Behavior* **27**, 443–456.
- Traen B, Markovic A and Kvaem IL (2016) Sexual satisfaction and body image: A cross-sectional study among Norwegian young adults. *Sexual and Relationship Therapy* **31**, 123–137.
- Tuoyire DA, Kumi-Kyereme A, Doku DT and Amo-Adjei J (2018) Perceived ideal body size of Ghanaian women: "not too skinny, but not too fat. *Women & Health* **8**, 583–597.
- Tylka TL and Wood-Barcalow NL (2015) What is and what is not positive body image? Conceptual foundations and construct definition. *Body Image* **14**, 118–129.
- Veldhuis J, Te Poel F, Pepping R, Konijn EA and Spekman ML (2017) Skinny is prettier and Normal: I want to be Normal"—Perceived body image of non-Western ethnic minority children in the Netherlands. *Body Image* **20**, 74–86.
- Widdows H (2018) *Perfect me: Beauty as an Ethical Ideal*. Princeton, NJ: Princeton University Press.
- Yamamiya Y, Shroff H and Thompson JK (2008) The tripartite influence model of body image and eating disturbance: A replication with a Japanese sample. *International Journal of Eating Disorders* **41**, 88–91.
- You S and Shin K (2020) Sociocultural influences, drive for thinness, drive for muscularity, and body dissatisfaction among Korean undergraduates. *International Journal of Environmental Research and Public Health* **17**, 5260.
- Zainal L, Stevens SD, Harriger JA and Herbozo S (2020) Internalization of the thin-ideal and eating pathology in Kuwaiti adult women. *Frontiers in Psychology* **11**, 559711.