Attitudes toward veganism in eating disorder professionals
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Aims and method  Veganism has increased in popularity in the past decade and, despite being a characteristic protected by law, is often viewed negatively by the general population. Little is known about the attitudes of healthcare professionals despite the potential influence on practice and eating disorder patient care. This is one of the first studies to investigate attitudes toward veganism within specialist eating disorder, general mental health and other professionals.

Results  A one-way ANOVA indicated all professionals held positive views toward veganism. General mental health professionals held statistically more positive veganism attitudes than specialist eating disorder and other professionals.

Clinical implications  As one of the first studies to suggest eating disorder professionals are not biased against veganism, it has important clinical practice implications, particularly when exploring motivations for adopting a vegan diet (health, weight loss, environmental or animal welfare concerns) in patients with eating disorders. Implications for further research are provided.

Keywords  Eating disorders; veganism; stigma and discrimination; in-patient treatment; ethics.

Eating disorders are serious psychiatric conditions characterised by abnormal eating patterns, either through strict or a lack of control of eating, and are driven by the overevaluation of weight and shape concerns.1 Research identifies several eating disorder development risk factors, including, but not limited to, genetics,3,4 environmental,3 female adolescence,4 biopsychosocial influences5 and urbanisation.6

Veganism is a philosophy seeking to exclude using animals and animal products in all aspects of life, not just diet.7 It is estimated that around 1% of the UK population follow a vegan diet,8 reflecting a fourfold increase from 2014 to 2019. In the Western world, the demographics of veganism are predominantly young,9 female,10,11 and living in urban areas.10,11 Importantly, veganism is protected by law as a non-religious philosophical belief.12

Veganism does not cause eating disorders, but there are similarities between known eating disorder risk factors and the prevalence data for veganism. Research suggests the general population are biased against veganism,13,14 but it remains unknown if specialist eating disorder (SED) professionals share these views. SED clinicians may be concerned about the potentially restrictive nature of vegan diets, and therefore may potentially be biased against veganism. Given the legal protection that veganism carries, when exploring the veganism of a patient with an eating disorder, clinicians must act with professionalism, respect, curiosity and a lack of personal bias. This is the first paper to investigate the attitudes of SED, general mental health (GMH) and other professionals toward veganism.

Method
Design
This self-reported questionnaire study included the following independent variables: profession (SED, GMH and other professionals), age (18–29, 30–41, 42–54 and 55–67 years) and gender (male, female and other). The dependent variable was attitude toward veganism.

Pilot study
A pilot study involving three participants from SED, GMH and other professional groups indicated no adjustments to study measures.

Measures
Participants completed the General Eating Habits Questionnaire,15 scored on a 1 (vegan) to 7 (omnivore) Likert scale, and the 20-question Attitudes Towards Veganism Survey (ATvegan),10 scored on a 1 (negative attitudes) to 7 (positive attitudes) Likert scale, on Qualtrics (version for Windows; www.qualtrics.com). Cronbach’s alpha (α = 0.86) indicated a good level of internal reliability.11
An alpha level of 0.05 was used for all statistical tests.

Results
Data was analysed using SPSS version 26 for Windows.

Discussion
This study is one of the first to investigate veganism attitudes within SED, GMH and other professional groups. The aim was to identify whether the potential bias toward veganism found within the general population is prevalent within SED professionals. Findings suggested all three professional groups held positive veganism attitudes, with GMH professionals holding significantly more positive attitudes than SED and other professionals. Despite age and gender influencing veganism attitudes in the general population, no statistically significant age or gender differences were found within these professional groups.

Research has highlighted a level of bias against veganism within Western populations, leading to it being viewed as a minority group similar to ethnicity or sexual orientation. Not only are vegans often depicted as going against the status quo of normal dietary culture, but these attitudes are influenced by gender and age, with more prominent negative attitudes often found in older, male generations. As well as
investigating whether these biases exist within SED professional populations, it was hypothesised that SED professionals would have a more negative view on veganism than other professionals. This is because SED professionals are aware of how dietary restrictions can negatively affect an individual’s physical health and mental health. These general attitudes could be reflected in SED professionals’ own veganism attitudes, and SED professionals should be aware of any such biases, as they could affect clinical practice and patient treatment. In 2019, a joint consensus statement from the Royal College of Psychiatrists, the British Dietetic Association and ‘BEAT’, the national eating disorder charity, was released regarding eating to a vegan diet,23 SED clinicians may therefore be suspicious of the apparent coincidence of such a dietary change during the onset of the eating disorder.

Implications for practice

Findings from this research suggest that SED professionals do not have more negative views on veganism compared with GMH and other professionals. Instead, all groups held positive attitudes toward veganism, with GMH professionals statistically holding the most positive views. This finding may be partly mediated by participant demographics, as GMH professional participants tended to be younger women compared with SED and other professionals. Knowing that SED professionals did not have a negative attitude toward veganism is important because when exploring a patient’s veganism, the patient may feel vulnerable having a clinician challenge behaviour that may or may not be associated with their eating disorder. SED professionals can use this research to reassure patients that it is their eating disorder that is being questioned and not their veganism. Taking this dynamic further, it is important for these professionals to be aware of their ‘social GRACES’.24 This acronym was developed for clinicians to be aware of the many areas in life where we may have conscious or unconscious bias in clinical work. Using this acronym, there is more than one topic within each ‘letter’ and the full acronym is ‘GGRRAAACCEEESSS’, encompassing gender, geography, race, religion, age, ability, appearance, class, culture, ethnicity, education, employment, sexuality, sexual orientation and spirituality.24 Clinicians have both an ethical and legal responsibility to their patients not to bring any bias into the treatments they offer, if they themselves have different dietary choices from their patients.18,24,25 so there could be a D added to the ‘social GRACES’ – that of diet and dietary choice.

This research also has a much broader impact as it also reflects that SED professionals are practicing within relevant legal frameworks. As veganism is a protected characteristic within the law, these findings are important.12,26 If the main hypothesis of this study had been supported, it would have raised concerns that these professionals’ opinions were significantly different. Going forward, our findings highlight the need for all SED clinicians to have an awareness of the nuanced issues veganism can bring for a patient with an eating disorder, as well as an awareness of the legal protection this characteristic holds. Navigating this difficult dynamic may be helped by this research, as it is one of the first studies to consider these issues.

These findings can be generalised to the wider UK SED profession, and will inform daily clinical practice, particularly as veganism is becoming more popular nationally.27 The good response rate and high completion rates suggest that veganism is a topic of interest for professionals. Further international research could help generalise these findings in the wider Western world and globally.

Limitations

Bias was minimised by using reversed questions, valid instruments and measures, but future research in this area should recognise possibilities for bias. Because of the self-reported nature of this research, participants may have shown demand characteristics (participants changing reported behaviours in line with their interpretation of the study) that may have influenced the findings, particularly given the potential implications for SED and GMH professionals. Consequently, participants may have provided what they perceived as the professionally correct answers,27,28 or ‘socially desirable’ responses, rather than declaring any strong personal views to the contrary.29
Future research and conclusions
Exploring the sensitive dynamic of veganism and eating disorders would benefit from further research. This includes investigating the extent that vegan clinicians feel that veganism can be used to facilitate dietary restriction in patients with eating disorders. Research targeting vegan SED professionals will provide an unbiased understanding of how veganism may be used to facilitate dietary restriction in patients with eating disorders. Although ethnically sensitive, future research could focus on the extent that patients who have recovered from an eating disorder feel that veganism can be used to facilitate dietary restriction in eating disorders. Including SED professionals and patients who have recovered from an eating disorder from a range of demographics, including age, gender and ethnicity, would allow a more culturally diverse interpretation of this topic area.

The current research study was targeted at clinicians who work either in adult, child or adolescent mental health services. These clinicians may have different attitudes toward veganism when they are working with a child or an adult, and future research should consider potential differences here. For example, a 12-year-old girl who is presenting with a restrictive eating disorder and asking to become vegan for animal welfare reasons may evoke concerns from clinicians regarding the authenticity of this dietary change, especially when the nutritional adequacy of the vegan diet can be hard to achieve in this age group because of the nutritional demands of growth and puberty. In contrast, an adult patient following a vegan diet because of a family history of heart disease may seem less concerning to SED professionals, and this research did not differentiate between the different motivations a patient may have.

Therefore, future research should differentiate within the SED group by their area of speciality – children and young people or adult. Theoretically, an age-informed professional consensus could be developed, potentially demonstrating greater concern for younger patients or those who are following an increasing pattern of dietary restrictions leading to veganism.

In conclusion, veganism is an increasing and legally protected characteristic, but the general population hold negative attitudes toward veganism. Research identifies important similarities between vegan demographics and those at risk of developing an eating disorder. As a patient’s veganism may be challenged as part of their eating disorder treatment, it is important to identify if SED professionals hold the same biases, as this could have important implications for patient care and practice. This is the first study to highlight that SED professionals do not appear to be biased; in contrast, they hold positive views toward veganism, as do GMH and other professionals. Not only does this research suggest that SED professionals are practicing within the law, but it also indicates that they are aware of their social GRACES, and perhaps a ‘D’ for ‘diet’ could be added to this acronym. Further in-depth and more diverse research into professional’s attitudes toward veganism is encouraged.

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Data availability
The data that support the findings of this study are available from the corresponding author, S.J.F., upon reasonable request.

Author contributions
The project team included both authors. S.J.F. was the project investigator, and K.M.H. was the research supervisor.

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Declaration of interest
None.

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