Obesity in primary care: 
a qualitative synthesis of patient and practitioner perspectives on roles and responsibilities

INTRODUCTION
Obesity is recognised globally as a top priority by health professionals, policy makers, economists, and the public. However, a clear way to address obesity in primary care is not yet in view. Primary care has increased its preventive services; a position supported by the British Medical Association (BMA). Clinical guidance on obesity is based on consensus of evidence from policy and healthcare practitioners, yet what is delivered in practice varies.

The recent epidemiological shift from acute to chronic illnesses marked the rise of the ‘lifestyle era’. Fatness is now framed as a social irresponsibility, from poor parenting to overburdening health services. The common response is to focus on individual responsibility and behaviour change. Conversely, the landmark Foresight report emphasises wider determinants of obesity (for example, psychosocial, infrastructural, and economic). Despite the report’s overwhelming evidence, policy and practice tend to ‘drift’ back to lifestyle approaches.

Qualitative literature exists on practitioner and patient perspectives on obesity services in primary care; however, a synthesis has not yet been carried out. This study aimed to synthesise patient and primary care practitioner perspectives of roles and responsibilities in how to address obesity in the UK.

METHOD
Literature review
The literature review followed Centre for Reviews and Dissemination guidance. PICO terms were used to conduct keyword searches: ‘primary care’ (Population); ‘obesity services’ (Intervention); ‘perspectives’ (Outcomes); and ‘qualitative’ (Study design). Databases (MEDLINE®, Social Sciences Citation Index®, CINAHL, and Health Management Information Consortium), key academic journals, and bibliographic references were searched.

English language studies published from 1997 to 2012 were included to examine recent perspectives. Only UK-based studies were examined to produce an in-depth understanding of the unique culture and health systems in the UK. Practitioners were those who deliver obesity services in primary care (healthcare and community settings). Patients were of any age. Ethnographic accounts included semi-structured or unstructured interviews and focus groups, and participant observations.

Surveys and structured interviews were excluded. The desired final sample was one that provided both breadth (geography, participant, and service) and depth (descriptions of context) of topic. Quality was assessed using the Critical Appraisal Skills Programme method.

Synthesis
Qualitative methods are able to enhance health

Abstract
Background
Obesity is a top-priority global health issue; however, a clear way to address obesity in primary care is not yet in view.

Aim
To conduct a meta-ethnography of patient and primary care practitioner perspectives of roles and responsibilities in how to address obesity in the UK, to inform evidence-based services that are acceptable to, and appropriate for, patients and practitioners.

Design and setting
Qualitative synthesis applying meta-ethnographic methods according to the Noblit and Hare monograph. Database searches in MEDLINE®, Social Sciences Citation Index®, CINAHL, and Health Management Information Consortium were limited to 1997–2012 to examine recent perspectives.

Method
Full articles of practitioner and/or patient perspectives on obesity services in primary care were reviewed, and included semi-structured or unstructured interviews and focus groups, and participant observations.

Results
Nine studies were synthesised with perspectives from patients (n = 105) and practitioners (n = 144). Practitioners believe that patients are responsible for obesity, and that primary care should not help, or is poorly equipped to do so. Patients ‘take responsibility’ by blaming themselves, but feel that practitioners should demonstrate more leadership. The empowerment of patients to access health services is reliant on the empowerment of practitioners to take an unambiguous position.

Conclusion
Primary care has the potential either to perpetuate or counter obesity-related stigma. There needs to be a firm decision as to what role primary care will take in the prevention and treatment of obesity. To remain ambiguous runs the risk of losing patients’ confidence and adding to a growing sense of futility.

Keywords
meta-ethnography; obesity management; patient perspectives; practitioner perspectives; primary care; qualitative synthesis.
How this fits in

Obesity is a global health issue that has proven a challenge to address in the primary care setting. Qualitative research on patient and practitioner perspectives on obesity-related primary care services has been conducted in the UK, but a synthesis of these perspectives has yet to be conducted. A lack of consensus about who is responsible for addressing obesity can lead to conflict in the clinical encounter. The model presented in this article describes a shared understanding of roles and responsibilities, and makes suggestions on how primary care can develop obesity services that are acceptable to and appropriate for patients and practitioners.

policy and practice through understanding people’s beliefs and practices.17–19 This meta-ethnography followed methods according to Noblit and Hare,20 summarised in Figure 1.

First, each article was read multiple times to gain familiarity with the subject. ‘First order constructs’ (that is, direct quotes) and study designs were used to contextualise each study. Second, themes were identified and refined as the articles were re-read. Third, the ‘second order constructs’ (that is, authors’ published interpretations of direct quotes) were grouped by theme to create an ‘integrating scheme’ (Table 1). Fourth, this ‘puzzle’20 was used to conduct a ‘reciprocal translation’, whereby the second order constructs were translated into each other (see the section on Narratives). This was done by applying principles of grounded theory, specifically the constant comparison method.21 Novel themes were allowed to emerge iteratively without a priori assumptions, until theoretically saturated.

Finally, a lines-of-argument synthesis was applied to derive a novel interpretation of the reciprocal translation.20 It is done by synthesising the lines of arguments identified from the second order constructs (Table 2) into an overarching line of argument (third order construct) that addresses the research question.

RESULTS

Literature review

Figure 2 describes the search process. The final sample of studies (n = 9) included perspectives from patients (n = 105) and practitioners (n = 144). One article included both patients and practitioners. Patient studies comprised obese adults receiving treatment (n = 2); parents of overweight children (n = 1); and overweight laypeople (n = 1). Practitioner studies comprised GPs only (n = 1); nurses [practice, district, and health visitors] only (n = 1); and a mix of practitioners [GPs, practice nurses, school nurses, community nurses, health visitors, dieticians, clinical psychologists] (n = 4). Studies were conducted in London (n = 1), south-west England (n = 2), Yorkshire (n = 3), north-east England (n = 1), Glasgow (n = 1), and UK wide (n = 1). All articles were assessed to be moderate to high quality.

Reciprocal translation synthesis

Table 1 presents the integrating scheme. Second order constructs were identified from the patient (n = 11) and practitioner (n = 11) studies. Five themes emerged: knowledge/education, medicalisation, uncertainty, communication, and blame/stigma.

The following section presents a narrative of the reciprocal translation syntheses, by patient and practitioner. Table 2 reports the second order lines of arguments, by theme.

Narrative of patient studies

Knowledge/education. Patients reflected the predominant health messages that they are responsible for obesity and need to
Table 1. Integrating scheme: second order constructs and emerged themes

<table>
<thead>
<tr>
<th>Responder</th>
<th>Second order construct</th>
<th>Theme</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient</td>
<td>Lifestyle advice alone is not enough(^{23,25})</td>
<td>Knowledge/education</td>
</tr>
<tr>
<td></td>
<td>Disillusioned with solutions to obesity(^{23,25})</td>
<td>Medicalisation</td>
</tr>
<tr>
<td></td>
<td>Practitioners convey obesity an individual responsibility(^{22,25})</td>
<td>Medicalisation</td>
</tr>
<tr>
<td></td>
<td>Lack of confidence in services(^{22-25})</td>
<td>Uncertainty</td>
</tr>
<tr>
<td></td>
<td>Frustrated by limited options available(^{22,25})</td>
<td>Uncertainty</td>
</tr>
<tr>
<td></td>
<td>Doubt resulting from practitioners’ ambivalence(^{22,24,25})</td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Patients want support(^{22,25})</td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Practitioners appear frustrated(^{22,25})</td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Self-blame(^{22,25})</td>
<td>Blame/stigma</td>
</tr>
<tr>
<td>Primary care practitioner</td>
<td>Practitioners limited by evidence base(^{26-29})</td>
<td>Knowledge/education</td>
</tr>
<tr>
<td></td>
<td>Practitioners do not have sufficient obesity-specific training(^{27,28})</td>
<td>Knowledge/education</td>
</tr>
<tr>
<td></td>
<td>Patients lack sufficient knowledge(^{26-29})</td>
<td>Knowledge/education</td>
</tr>
<tr>
<td></td>
<td>Obesity is a socioecological issue(^{23,26,28-30})</td>
<td>Medicalisation</td>
</tr>
<tr>
<td></td>
<td>Practitioners only responsible for medical issues(^{22,27,29,30})</td>
<td>Medicalisation</td>
</tr>
<tr>
<td></td>
<td>Doubt over patients’ abilities to change(^{22,23,25})</td>
<td>Uncertainty</td>
</tr>
<tr>
<td></td>
<td>Primary care may not be the appropriate place to address obesity(^{26-29})</td>
<td>Uncertainty</td>
</tr>
<tr>
<td></td>
<td>Sensitive topic threatens patient–practitioner relationship(^{26-28,30})</td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Obesity-related training is required(^{27,29-31})</td>
<td>Communication</td>
</tr>
<tr>
<td></td>
<td>Practitioners sometimes use stigmatising language(^{25,29-31})</td>
<td>Blame/stigma</td>
</tr>
<tr>
<td></td>
<td>Patients can be difficult to deal with(^{25,30-31})</td>
<td>Blame/stigma</td>
</tr>
</tbody>
</table>

Table 2. Summary of reciprocal translation synthesis

<table>
<thead>
<tr>
<th>Responder</th>
<th>Theme</th>
<th>Description</th>
<th>Second order lines of arguments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient</td>
<td>Knowledge/education</td>
<td>The provision of lifestyle education influences patients’ beliefs about roles</td>
<td>Obesity services delivered without sufficient support may limit the degree to which patients engage with health services</td>
</tr>
<tr>
<td></td>
<td>Medicalisation</td>
<td>Understanding of the causes of obesity relate to patients’ beliefs about roles</td>
<td>Patients maintain the view that obesity is an individual, medical issue, but their psychological and social experiences of obesity leads them to seek ‘personal’ help from primary care</td>
</tr>
<tr>
<td></td>
<td>Uncertainty</td>
<td>The doubt and confusion apparent in patient understanding of roles</td>
<td>Uncertainty of practitioners’ roles and available options confuses patient understanding of what the roles are to be, and may lead to a limited engagement with health services</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td>The patient–practitioner interface shapes patient perception of roles</td>
<td>Patients respond to the content and style of communication received from practitioners in determining what role they will take when interacting with services</td>
</tr>
<tr>
<td></td>
<td>Blame/stigma</td>
<td>The focus of responsibility on to patients influences patients’ perspectives of roles</td>
<td>Blame can cause practitioners to stigmatise patients, leading to negative effects on psychological health and wellbeing, and ultimately diminished engagement</td>
</tr>
<tr>
<td>Practitioner</td>
<td>Knowledge/education</td>
<td>Evidence for obesity interventions influences the roles practitioners take</td>
<td>Practitioners believe that obesity services should be delivered in primary care only if their effectiveness is supported by the evidence base, which currently is limited</td>
</tr>
<tr>
<td></td>
<td>Medicalisation</td>
<td>Beliefs about the causes of obesity, the conflict as to whether it is a medical or social issue, influence practitioners’ perspectives of roles</td>
<td>Practitioners believe that they should only take a strong role when obesity is considered a medical issue, and do not have a role to play in ‘personal’ issues</td>
</tr>
<tr>
<td></td>
<td>Uncertainty</td>
<td>Practitioners’ lack of confidence in the evidence and in patients influences their conceptions of roles</td>
<td>Uncertainty over responsibilities can lead practitioners to take a limited or inconsistent role in delivering obesity services</td>
</tr>
<tr>
<td></td>
<td>Communication</td>
<td>The patient–practitioner interface, in particular issues of uncertainty, shapes practitioners’ beliefs about roles</td>
<td>Practitioners can feel uncomfortable or unprepared talking about obesity, believing obesity to be a sensitive, personal issue, and as a result take a limited role in discussing it</td>
</tr>
<tr>
<td></td>
<td>Blame/stigma</td>
<td>The assignment of blame influences practitioners’ perspectives of roles</td>
<td>Practitioners who hold patients entirely responsible for obesity, without recognising other factors involved, are in danger of stigmatising patients</td>
</tr>
</tbody>
</table>
Figure 2. Search process and final sample.
HMIC = Health Management Information Consortium.

Barriers to weight loss were identified: lack of resources, and loss of 'motivation' and 'self-respect'. 'Failure' can negatively affect confidence and self-esteem. Psychological support and individualised advice was often not offered by practitioners, despite clinical recommendations. Patients found lifestyle advice alone 'problematic' because 'support for continued motivation' was seen as vital. Because patient experiences lay within 'complex' 'life stories', awareness-raising around the socioecological factors influencing obesity could help to promote positive change in patient behaviour.

**Medicalisation.** Patients tended to adhere to a biomedical approach, believing obesity is pathological and 'abnormal'. Parents of overweight children felt 'listened to' and 'taken seriously' if practitioners ran tests for comorbidities. Treatment options motivated patients, 'legitimised' concerns, and helped them to realise the seriousness of their situation. Obese patients were framed as having 'more hope than expectation' for success, and hoping for 'miracle cures' or 'magic bullets'. 'Stress, low mood and negative emotions' were identified as causes of weight gain, but not wider determinants of obesity. Emphasis on the socioecological model may lead to more constructive solutions.

**Uncertainty.** Some patients lacked confidence in care options, mainly because of observed ineffectiveness. Patients also doubted practitioners' ability to deal with obesity, citing a 'lack of competence' or concern over quality. Practitioners' 'ambivalence', 'uneasiness', and doubts about addressing obesity were perceptible by patients, leading to 'demoralisation' and 'delayed presentation'. 'Mixed feelings' over the effectiveness of medication and availability of support may reduce service use.

**Communication.** 'Successful' interventions with nurses were reported to be 'supportive, non-judgemental, relaxed and informal', stemming from 'interested, positive, and empathetic' practitioners. Some parents of overweight children felt 'dismissed', despite the sense of urgency to address obesity. Practitioners were perceived to be 'frustrated'. This 'inappropriate' care made patients feel 'resigned', and to stop seeking care. Patients felt 'disappointed' by practitioners for not being 'helpful' or 'understanding'. Practitioners need training to identify those 'at risk' and provide support.

**Blame/stigma.** Obese patients concentrated on their own 'personal failure', although there was ambivalence between feeling their lifestyles are to blame (for example, 'laziness'), and factors outside their control (for example, 'genetics'). A sense of 'blame' by practitioners led to a 'detrimental effect' on confidence and self-esteem, and a 'refusal to talk openly' about lifestyles. Fear of 'judgement' was a barrier to enacting lifestyle advice, in particular exercising in public. Practitioners who do not recognise the ecological factors that influence obesity appear to 'lack sympathy'.

**Narrative of practitioner studies**

**Knowledge/education.** Many practitioners were unsure of care options, or their effectiveness. This may be because some practitioners do not consult clinical guidance, or lack obesity-specific training. However, it is more likely due to the belief that the evidence is not strong enough. By having limited effective services to offer, practitioners felt 'powerless' and that obesity management was 'placed on' them 'without careful thought'. Practitioners identified patients' poor education and 'ignorance' as a barrier to effective change.
‘junk food’ and physical inactivity and obesity.28 Practitioners expected a ‘quick fix’ and became frustrated if patients did not change.23,24,27

Medicalisation. Most practitioners perceived obesity as a ‘social problem’, rather than a medical issue.26–30 Explanations for the causes of obesity included ‘family problems’27–30 (cooking skills and time pressures27,28), socioecological barriers (unsafe streets28 and availability of foods23,27,29,30), and ‘deeper social structures’23 (poverty,23,27,30 the media,23,27,28 and societal stigma24,29). Practitioners ‘straddled’ between biomedical and socioecological views of the cause of obesity, holding ‘faith’ in an individual-focused model of care but also acknowledging the need for systemic change.23 Because weight maintenance is complex and raises ‘social’ and ‘personal’ issues, it may be ‘relevant’ for primary care to only involve cases where comorbidities exist, especially for GPs.23,24,27,29,30 On the other hand, some nurses improved their effectiveness by discussing obesity in medical terms, for example, focusing on health rather than body size.30

Uncertainty. While accepting prevention as part of the practitioner’s role, it remained an ‘unpopular’ aspect of their work27 and it was not clear how to operationalise prevention.29 GPs took a ‘confused world view’, because despite the ‘lack of evidence’ to support obesity interventions, they nonetheless provided obesity services.23 The experience that obesity is ‘extremely challenging’, due to the limitations of primary care, led practitioners to take a ‘fatalistic’ approach, believing that ‘nothing works’.29 GPs were in a ‘state of conflict’ with a sense that patients expected GPs to ‘take ownership’ of patients’ problems, and a belief that patients are responsible for self-management.26 However, ambivalence can be seen as a ‘realistic stance’ for practitioners; nurses ‘juggled’ their expectation of behaviour change with a ‘non-judgemental approach’.30

Communication. The lack of sufficient evidence was seen as a ‘barrier to even raising the issue’.27 The desire to maintain a positive, ongoing relationship caused practitioners to avoid addressing the ‘sensitive topic’ of obesity,26–30 ‘offending’ patients,26,27 or weakening trust.29,30 Practitioners repeatedly cited poor training and communication, and felt they might be ‘professionally unprepared’.23 Practitioners’ ‘awkwardness’ about or ‘frustration’ over obesity negatively affected patient satisfaction with services,30 and may counter potentially ‘positive’ interactions, such as motivational interviewing.27 Better training in counselling techniques is required23,27,28,30, including ‘patient-centred’ and ‘non-judgemental’ approaches, with awareness of the psychological and social aspects of obesity.23,30 High levels of GP involvement may not be feasible but regular contact with other practitioners such as nurses is important to ‘instil confidence’ and take a ‘team approach’.27

Blame/stigma. This theme stood as a culmination of the previous themes of knowledge, medicalisation, uncertainty, and communication. Practitioners believe obese patients are ‘in denial’,26–30 get ‘offended’,27,30 ‘prickly’,27 ‘nasty’,28 or feel blamed28 and ‘hopeless’.28 and rather they should be ‘cooperative’28 and ‘enthusiastic’.27

Practitioners who maintain awareness of obesity-related stigma26,30 and their own ambivalence30 may help improve the patient–practitioner relationship. Empathic26,27,30 ‘patient-focused’27 and ‘non-judgemental’30 approaches are recommended. Emphasis should be on socioecological determinants of obesity to reduce patients’ ‘unhappiness’ and ‘negative feelings’, thus leading to more constructive solutions.23

Box 1 summarises the above discussion of the reciprocal translation in a two-by-two matrix. It is divided by.

Box 1. Matrix of the reciprocal translation synthesis summarising roles and responsibilities in lifestyle change assigned by patients and practitioners

<table>
<thead>
<tr>
<th>Responders’ beliefs</th>
<th>Actors’ roles and responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient</td>
<td>Practitioner</td>
</tr>
<tr>
<td>Responsible for a biomedical issue</td>
<td>Provide support for biomedical issues and psychological/‘personal’ issues</td>
</tr>
<tr>
<td>Ineffective in making change</td>
<td>Determine and communicate respective roles</td>
</tr>
<tr>
<td>Resigned and frustrated</td>
<td></td>
</tr>
<tr>
<td>Stigmatised</td>
<td></td>
</tr>
<tr>
<td>Change behaviours</td>
<td>Be involved only where evidence is strong</td>
</tr>
<tr>
<td>Self-motivate and have ‘willpower’</td>
<td>Responsible for medical problems; minimise ‘dealing with personal’ issues</td>
</tr>
<tr>
<td>Responsible for psychological/‘personal’ issues</td>
<td>Resigned and frustrated</td>
</tr>
</tbody>
</table>

Box 1 summarises the above discussion of the reciprocal translation in a two-by-two matrix. It is divided by:
Patient perspectives of their own roles.

Patient perspectives of practitioners’ roles.

Practitioner perspectives of patients’ roles.

Practitioner perspectives of their own roles.

**DISCUSSION**

**Summary**

This study synthesised patient and practitioner perspectives on how obesity should be addressed in primary care in the UK. It identified an intricate interplay between patients and practitioners, with the empowerment of patients to access health services reliant on the empowerment of practitioners to take an unambiguous position.

**Strengths and limitations**

The NHS’s assessment of meta-ethnography indicates the method has potential to effectively synthesise qualitative research and generate evidence, which the present study attempts to do. The sample comprised the desired diversity in criteria, and although small, the size enabled an examination of study context, an accepted strength of meta-ethnography. Thus, the model does not purport to be definitive and represent all practitioners, but is one based on the author’s subjective interpretations.

**Comparison with existing literature**

Where there is uncertainty of how to address obesity, practitioners can ‘lack authority’. Despite this, patients still look to practitioners for support, reflecting previous theoretical analyses of the public’s ambivalence between the power and limitations of modern medicine. Clinical guidance allows for professional-led practice in the primary care setting. Martin and Learmonth warn against a ‘gap between everyday organisational realities and the pronouncement of policymakers’, and advocate pluralistic leadership between policy, practice, and patients. However, in the case of obesity interventions in primary care, the aspirational ‘bottom-up’ approach may leave the profession vulnerable to ambiguity and ambivalence.

The internalisation of obesity-related blame and stigma can have detrimental effects on patients’ self-esteem and social networks, which can result in further weight gain. Conversely, evidence is growing for the positive potential of clinical ‘placebo effects’ on depression, anxiety, and pain, the mechanism for which is follow-up and continuity in care. Moerman and Jonas describe this as the ‘meaning response’, because, whereas placebo is inert, care is interpreted by patients with context-specific, cultural meanings. This phenomenon supports the recommended patient-centred models of care; however, practitioner performance is still measured by diagnosis, not individual context.
Finally, the socioecological model of obesity has potential to improve the effectiveness of primary care in addressing obesity, through an understanding of the day-to-day challenges of a potentially physically and psychologically debilitating condition. The biomedical model of obesity alone does not explain why people have poor diets or low activity levels. Indeed, empowerment must be framed within the context of individual lived experiences of inequalities, and subsequent roles in society, in order for it to adequately address issues of power.38

Implications for research and practice
Future work should focus on implementation of the theoretically-based model presented here, which could be tested and advanced through theoretical and empirical research. The model could be used to develop effective obesity-related curricula for students and continuing professional development. The study could be repeated on other health systems to share learning, and gain cross-cultural understandings of how responsibility for obesity is constructed.

The English government formerly adopted the ‘nudge model’,39 in the form of the Behavioural Insights Unit and the Responsibility Deal, into its most recent obesity policy, ‘to help people to make better choices ... rather than reducing choice’.12 The BMA criticised it as ‘inadequate ... likely to entrench existing inequalities’.4 This top-down approach risks disempowering people by exerting authority with one hand (that is telling people how ‘best’ to behave) and placing responsibility on individuals with the other (for example, not requiring a reduction in unhealthy options). Policy inroads have been made, with the ‘statement for action’ by health professionals to reduce obesity-related inequalities,40 and the Academy of Medical Royal Colleges’41 recommendation to train professionals in ‘sensitive recognition and appropriate referral’. Approaches to obesity that engage all actors including the public — such as knowledge exchange, which bridges research, policy, and practice42 — are needed to co-produce context-specific solutions to a complex health issue.

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Ethical approval
Ethical approval was not sought for this literature review and synthesis.

Provenance
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Competing interests
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