

Tabriz University of Medical Sciences Faculty of Management and Medical Informatics

Evidence-Based Journal club

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A qualitative study of primary care clinicians' views of treating childhood obesity

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BMC Family Practice



Contact

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Abstract

Background: The prevalence of childhood obesity is rising and the UK Government have stated a commitment to addressing obesity in general. One method has been to include indicators relating to obesity within the GP pay-for-performance Quality and Outcomes Framework (QOF) contract. This study aimed to explore general practitioners' and practice nurses' views in relation to their role in treating childhood obesity.

Methods: We interviewed eighteen practitioners (twelve GPs and six nurses) who worked in general practices contracting with Rotherham Primary Care Trust. Interviews were face to face and semi structured. The transcribed data were analysed using framework analysis.

Results: GPs and practice nurses felt that their role was to raise the issue of a child's weight, but that ultimately obesity was a social and family problem. Time constraint, lack of training and lack of resources were identified as important barriers to addressing childhood obesity. There was concern that the clinician-patient relationship could be adversely affected by discussing what was often seen as a sensitive topic. GPs and practice nurses felt ill-equipped to tackle childhood obesity given the lack of evidence for effective interventions, and were sceptical that providing diet and exercise advice would have any impact upon a child's weight.

Conclusion: GPs and practice nurses felt that their role in obesity management was centred upon raising the issue of a child's weight, and providing basic diet and exercise advice. Clinicians may find it difficult to make a significant impact on childhood obesity while the evidence base for effective management remains poor. Until the lack of effective interventions is addressed, implementing additional targets (for example through the QOF) may not be effective.

PICo for qualitative studies

PICo

Р	I	Со
Population	Interest	Context
What are the characteristics of the patient or population?	The phenomena of Interest relates to a defined event, activity, experience or process	Context is the setting or distinct characteristics. Note: Context not
What is the condition or disease you are interested in?		comparator



Background:

- Obesity is a complex public health issue representing a major threat to children's health
- •The UK Government has responded by setting targets that aim to "halt the year on year rise in obesity among children aged under 11 by 2010
- As part of this broader strategy obesity was included in the general practice Quality and Outcomes Framework (QOF) contract for 2006–7.





Quality and Outcomes Framework :

•is the **annual reward and incentive programme** detailing GP practice achievement results.

•It rewards practices for the provision of quality care and helps standardise improvement in the delivery of primary medical services.

•It is a voluntary process for all surgeries in England and was introduced as part of the GP contract in 2004.

• The indicators for the QOF change annually, with new measures and indicators been retired





Background:

•Clearly there is the potential for other obesity related indicators to be included in future QOF contracts, and it is possible that these may relate to health outcomes, rather than processes.

•This is difficult territory: linking GP practice income to health outcomes that depend on the choices that patients make is controversial



X

Background:

•GPs may also resist further targets related to childhood obesity given that the evidence base in this area is so poor.

•A Cochrane systematic review of interventions for treating childhood obesity included 18 studies of various different treatments, but found little firm evidence of effectiveness for any of them.

•Not surprisingly guidance for the prevention and treatment of obesity published by the UK's National Institutefor Health and Clinical Excellence (NICE) strongly states the urgent need to develop this evidence





Clinicians views of managing adult obesity:

•General practitioners' (GPs') views concerning their role in the management of adult obesity have been explored in a number of studies from a range of countries.

• One UK study concluded that general practitioners believed that obesity was not within their professional domain, even though patients wanted their doctor to take responsibility for their weight problems.





Clinicians views of managing adult obesity:

- another from the UK ,have reported that GPs do feel they have a role in the management of obesity, either as counselling patients on health risks or giving advice on weight management
- Regardless of whether GPs feel they have a role in the management of obesity, they are generally pessimistic about the likely impact of any advice that they give.
 - A lack of evidence based interventions,
 - a lack of training (particularly nutrition training),
 - poor motivation on the part of the patient and
 poor family support have been cited as important reasons for failure





Clinicians views of managing adult obesity:

•It is not surprising then that many GPs find managing obesity unrewarding or frustrating.

•In contrast, research with practice nurses has found that they generally felt confident in giving weight loss and nutritional advice.

• However, they were not optimistic that patients would follow this advice, or that weight loss would result





Clinicians views of managing childhood obesity:

•Managing childhood obesity has the potential to be more complex than managing adult obesity because the clinician is interacting not only with the child, but the wider family as well.

• Parents may not recognise or accept that their child has a weight problem ,and GPs feel that even by raising the issue a breakdown in the doctor patient relationship may result.





Objectives:

•In this study we aimed to explore the views of GPs and practice nurses concerning childhood obesity in one district in the north of the UK







1. Was there a clear statement of the aims

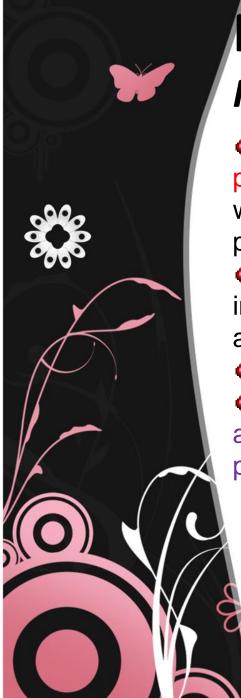
of the research?

HINT: Consider

- What was the goal of the research?
- Why it was thought important?
- Its relevance







Method: Participants



In May 2006 the practice managers from the 39 general practices who contract with Rotherham Primary Care Trust were asked to invite their GPs and practice nurses to participate in this study.

•Eighteen participants from 11 practices responded to the invitation, of which 12 were GPs (11 male and 1 female) and six (all female) were practice nurses.

The majority of the participants were aged 40–49 years
GPs and nurses were drawn varied in terms of their size, and the socioeconomic status of the registered patient population.



Method: Data collection and analysis

•Data collection was by semi-structured interview following the interview schedule used by Epstein and Ogden, adapted to relate to childhood rather than adult obesity

Think about the last time you had a consultation with a parent/child who expressed concerns over their child's weight... or
Think about the last time you were in a consultation with a child and you expressed concerns about their weight...





Method:

Data collection and analysis

Can you tell me about the consultation?
How did you feel about managing this patient?
What advice or information did you provide for the patient/their parent?
What did you think the patient/their guardian expected from you?
Did you feel that the consultation was successful?
Do you think primary care has a role in dealing with childhood





Method:

Data collection and analysis

•What management do you think primary care should employ in tackling obesity in children?

•How would/do you feel about managing children with obesity routinely?

•As a GP/practice nurse, whom would you contact for support and advice in relation to obesity?

•How do you feel about the following:

- Counselling in primary care?
- Behavioural adjustment techniques?
- •Education in obesity management for GPs and practice nurses?
- •Extending the primary care team to include nutritionists and/or dieticians?
- Secondary and tertiary care in relation to obesity management?





Method:

Data collection and analysis

•Each interview, carried out face to face by researcher OW, lasted approximately 30 minutes.

• All interviews were recorded and transcribed verbatim.

•The transcribed data were analysed using the Framework method

•A random sample of nine transcripts were similarly nalysed by RA and the results were discussed.





Method: *Ethics*

•Our analysis of the views of primary care staff took place as part of a wider Rotherham PCT obesity service evaluation.

•As a service evaluation it did not require formal NHS ethical approval.

• This was confirmed by the chair of the South Yorkshire NHS Ethics Committee and the chair of the Rotherham Primary Care Trust Research Governance committee.







Screening Questions:

2. Is a qualitative methodology appropriate?

Yes Can't tell No

HINT: Consider

- If the research seeks to interpret or illuminate the actions and/or subjective experiences of research participants
- Is qualitative research the right methodology for addressing the research goal?







3. Was the research design appropriate to address the aims of the research?

HINT: Consider

 If the researcher has justified the research design (e.g. have they discussed how they decided which method to use)?









4. Was the recruitment strategy appropriate to the Yes aims of the research?

HINT:Consider

- If the researcher has explained how the participants were selected
- If they explained why the participants they selected were the most appropriate to provide access to the type of knowledge sought by the study
- If there are any discussions around recruitment (e.g. why some people chose not to take part)



Can't tell

HINT: O	Consider		
•	If the setting for data collection was justified		
•	If it is clear how data were collected (e.g. focus group, semi-structured interview etc.)		
•	If the researcher has justified the methods chosen		
•	If the researcher has made the methods explicit (e.g.		
	for interview method, is there an indication of how interviews were conducted, or did they use a topic guide)?		
•	If methods were modified during the study. If so, has the researcher explained how and why?		
•	If the form of data is clear (e.g. tape recordings, video material, notes etc)		
•	If the researcher has discussed saturation of data		

۵- آیا داده ها به شکلی جمع آوری شده اند که بتوان به موضوعات اساسی تحقیق دست یافت؟ 🔹 نمره:

توجه:	نوشتن توضيح
■ آیا محل جمع آوری داده ها توضیح داده شده است؟	
■ آیا روش جمع آوری داده ها به روشنی مشخص شده است(بحث گروهی متمرکز؛ مصاحبه ساختاریافته و) ؟	
■ آیا محقق توجیهی درباره روش های انتخابی دارد؟	خير
■ آیا محقق روش های جمع آوری داده ها را به روشنی توضیح داده است؟ (روش مصاحبه؛ آیا نشانه ای از چگونگی اداره وهدایت مصاحبه وجود دارد؟ آیا از راهنمای عناوین موضوعات استفاده کردند؟)	خیر- در مورد نحوه جستجو و موارد بررسی اسنا توضیحان کافی ارائه نشده است
■ آیا روش های استفاده شده درطول مطالعه تغییر یافته یا اصلاح شده اند؟ اگر بله، آیا محقق توضیح داده چگونه و چرا؟	موردی ندارد
■ آیا شکل و چگونگی جمع آوری داده ها روشن شده است (ضبط صوت؛ تصویر ویدونی؛ یاداشت برداری و …)؟	بله- ضبط صوت
■ آیا محقق در مورد اشباع داده ها توضیح داده است؟	خير



6. Has the relationship between researcher and participants been adequately considered?

HINT: Consider

- If the researcher critically examined their own role, potential bias and influence during
 - (a) Formulation of the research questions
 - (b) Data collection, including sample recruitment and choice of location
- How the researcher responded to events during the study and whether they considered the implications of any changes in the research design

بازخورد (ارتباط با شرکت کنندگان/ تشخیص سوگیری محقق)

۶- آیا ارتباط بین محقق وشرکت کنندگان به اندازه کافی مورد توجه قرار گرفته است؟ نمره:

نوشتن توضيح

توجه:

- آیا محقق به طور جدی نقش خود و احتمال سوگیری و تاثیر گذاری در موارد زیر را بررسی کرده است؟
 - تنظيم وتدوين سوالات تحقيق

Can't tell No

جمع أورى داده ها؛ نمونه گيرى وانتخاب محل تحقيق

محقق چگونه به اتفاقات در طی مطالعه پاسخ داده؟ و آیا نتایج حاصل از این تغییرات در طراحی مطالعه را توضیح قرار داده است؟





7. Have ethical issues been taken into consideration?

HINT: Consider

- If there are sufficient details of how the research was explained to participants for the reader to assess whether ethical standards were maintained
- If the researcher has discussed issues raised by the study (e.g. issues around informed consent or confidentiality or how they have handled the effects of the study on the participants during and after the study)
- If approval has been sought from the ethics committee

مسائل اخلاقی

نمرہ: ٣____

۷- آیا مسائل اخلاقی مورد توجه قرار گرفته؟

توجه

Can't tell

نوشتن توضيح

آیا توضیحاتی کافی درباره چگونگی تشریح مطالعه و اهداف آن به شرکت کنندگان وجود دارد؟ بطوریکه خواننده مقاله ارزیابی درستی ازرعایت استانداردهای اخلاقی داشته باشد.

آیا محقق مسائل ومشکلات ناشی از مطالعه را توضیح داده است (مثال: درباره رضایت آگاهانه؛ اعتماد؛ چگونگی مواجهه با اثرات مطالعه روی شرکت کنندگان در حین مطالعه)؟

> ■ آیا محقق از کمیته اخلاق رضایت یا موافقت گرفته (احراز موافقت از کمیته اخلاق)؟



		-		
8. Was the data analysis su	fficiently rigo	rous?	Yes	Can't te
HINT: Consider				
 If there is an in-depth descrip: If thematic analysis is used. If categories/themes were deriv Whether the researcher explawre selected from the origin the analysis process If sufficient data are presente To what extent contradictory Whether the researcher critic potential bias and influence dof data for presentation 	so, is it clear how th yed from the data? ains how the data pr al sample to demon d to support the find data are taken into ally examined their	resented Istrate dings account own role,		
	ہ ھا	تحليل داده		
نمره:	ىت؟	ام لازم برخورداران	ها از استحکام و قو	۸- آیا تحلیل داده
نن توضيح	نوث		توجه	
		، ها وجود	ه فرایند تحلیل داده	آيا توضيح جامع دربار، د؟
		ت؟ اگر چنين	ی صورت گرفته اس	آیا تحلیل درون مایه ا
		رون مایه ه <mark>ا</mark> از	چگونه دسته ها و د,	سد آیا روشن است که .
				ن استخراج شده اند؟
		روشن ساخته	دادن فرايند تحقيق	آیا محقق برای نشان ه
		ونه اصلى	<i>ی</i> شده چگونه از نمو	یت که داده های گزارش
				نخاب شده اند؟
		نی یافته ها	برای تایید وپشتیبان	آی <mark>ا</mark> اطلاعات داده شده
				فی هستند؟
		ه است؟	ای متضاد اشاره شد	تا چه حدی به داده ه
		ری وتاثیر	ن نقش خود؛ سوگیر	آیا محقق به طور جدع
		های ارائه شده	.ه ها وانتخاب داده	.یری در طی تحلیل داد
				ارزیابی کرده است؟
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Informatics



•A number of themes emerged from the data.

• In summary, clinicians felt that families or other agencies, rather than the GP, were responsible for solving this difficult and often sensitive problem.

• Interventions were framed in terms of providing dietary and exercise advice

• Lack of time was cited as a reason for sometimes avoiding engagement with the issue





•The responsibility for managing childhood obesity:

GPs and practice nurses felt that their role was confined to raising the issue of a child's weight with his or her parents and managing any associated medical problems
family may hold the key to solving the problem, they may be unwilling or unable to take on this responsibility.





• The difficulty of the task:

Childhood obesity was sometimes felt to be a problem that was just too difficult to tackle, and that clinicians could not cope with the scale of the problem.
this may explain the unwillingness that clinicians felt towards accepting responsibility for it

•GPs framed their interventions in terms of providing diet and exercise advice for the child and their family, but there was a feeling of pessimism that the advice would have little impact upon the child's weight.

•It was felt that there was just too big a gulf between a healthy diet and what the children actually ate





The sensitive nature of the subject

•Some reasons for the sensitivity of the subject were given. The link between feeding and nurturing was made by one GP:

((They seem to like fat babies still, think they are healthy. They don't seem to have any notion that it's reasonable to restrict baby's food, keep their weight under control... they usually are quite prickly about it and the reason is they are usually all fat'))

•The anxiety that bringing attention to a child's weight could cause psychological problems was also voiced

Clinicians were concerned that they may jeopardise their relationship with the family if they mentioned the problem of a

child's weight



Y

Results:

The problem of lack of time and pressure of work

•GPs identified another important barrier to discussing a child's weight during a consultation as being a limitation of time and resources.

- You only have ten minutes, you just can't do it' (GP.2)
- •'I don't wish to do it [discuss a child's weight] if I'm busy, cos I know it takes a long time' (GP.11)

•'I don't think we should be going out looking for the work. I think that it's more a public health matter, we just don't have the resources to go looking for more work' (GP.6)



Discussion:

Summary of main findings

•GPs and practice nurses we sampled view childhood obesity as primarily a social or family problem and that the clinician's role is to raise the issue, rather than to manage the problem themselves.

•The <u>management of childhood obesity was felt to be difficult</u>, primarily due to the sensitive nature of the subject, and the lack of effective interventions.

•There was a general pessimism that dietary advice would be unsuccessful given the gulf between a healthy diet and what many children ate.



Y

Discussion:

Strengths and limitations of the study

•One of the strengths of Framework analysis is its flexibility in allowing ideas to be reformulated as the analytical process progresses.

•because it is so "open" it is possible that the researcher's own views, conflicts and prejudices influenced the themes that were subsequently identified from the transcripts

• An attempt was made to minimise this by involving in the analysis a second researcher with a different professional background (RA is a non-medical public health specialist whereas OW is a fourth year medical student).



V

Discussion:

Strengths and limitations of the study

•Although our results are broadly in keeping with results of similar studies, we can not assume that they are representative of practice nurses and GPs in general. Because our cohort of participants was chosen using opportunistic sampling from only one primary care trust area it may only reflect the views of local clinicians with an interest in obesity research.

•However, even though this study was of a small scale, it has provided valuable information for the primary care trust and will inform future decision making regarding obesity services.





Discussion: Comparison with existing literature

The results of this study appear to be consistent with those found in the majority of the existing literature.
There are parallels between the findings of this study and those that relate to adult obesity.





Implications for clinical practice and future research

The Department of Health has recently published a care pathway for the assessment and management of overweight and obese adults, young people and children in primary care [26].
Within this suite of documents guidance is specifically provided to help clinicians in raising the issue of weight with both adults and children, which our study identified as an important barrier to obesity management.





Implications for clinical practice and future research

•However, the real question is "what works in the treatment of childhood obesity?

• "Clearly there is an urgent need to strengthen the evidence base in this area, and our exploration of the views of GPs and practice nurses in Rotherham suggests that this lack of evidence is an one of the barriers to even raising the issue in the first place.





Implications for clinical practice and future research

•However, if evidence suggests that primary care staff should engage in, for example, more behaviour change or motivational counselling, there is likely to be a significant requirement for increased resources, training and clinician time.

•With the forecast rise in childhood obesity, and the Government's stated commitment to address the problem, it is likely that considerable pressure will be placed on GPs and practice nurses to intervene in this arena.

•The Quality and Outcomes Framework may be one such lever, •but given that GPs see childhood obesity as primarily a social or family problem there may be resistance to including more obesity related measures (particularly those related to outcomes) in the contract.





Implications for clinical practice and future research

•Further research with a larger sample size would be of benefit, and

•a specific study to determine if the Department of Health's care pathway has assisted primary care clinicians in raising the issue of childhood obesity would be welcome.

• An analysis of the views of clinicians on the role of targets and incentives in this difficult area would also be of considerable interest.





Conclusion:

•The GPs and practice nurses in our sample felt that their role in obesity management was centred upon raising the issue of a child's weight, but that the responsibility of solving the problem lay primarily with the family.

•Clinicians may find it difficult to make a significant impact on childhood obesity given the sensitivity of the issue, and while the evidence base for effective management remains poor.

•Implementing additional targets, for example through the QOF, without addressing these fundamental problems may be counterproductive.



Detailed question:

9. Is there a clear statement of findin	gs? Yes Can't tell
HINT: Consider	
 If the findings are explicit If there is adequate discussion of the eviden and against the researchers arguments If the researcher has discussed the credibilit findings (e.g. triangulation, respondent valid more than one analyst) If the findings are discussed in relation to the 	ty of their dation,
	یافته ها و بحث
نمره :	۹- آیا بیان روشنی از یافته ها وجود دارد؟
نوشتن توضيح	توجه
	ا آيا يافته ها واضح وروشن هستند؟
	∎ آیا بحث های کافی در مورد شواهد موافق یا مخالف ستدلالهای محققان وجود دارد؟
	∎ أيا محقق برروى اعتماد (قابليت اعتماد) يافته ها بحث كرد است (مثال: تلفيق (Triangulation)، بازبينى شركت
	ئنندگان (Participant validation)، به کاربردن بیش از یک
	ست کی (andripant vandation)، به کربردی بیس از یک حلیلگر)؟ ∎ آیا یافته ها در راستای سوالات اصلی تحقیق بررسی

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Detailed question:

10. How valuable is the research?

نوشتن توضيح

HINT: Consider

- If the researcher discusses the contribution the study makes to existing knowledge or understanding e.g. do they consider the findings in relation to current practice or policy?, or relevant research-based literature?
- If they identify new areas where research is necessary
- If the researchers have discussed whether or how the findings can be transferred to other populations or considered other ways the research may be used

ارزش تحقيق			
	نم ه :	. تحقيق انحام بافته تا چه اندازه با ارزش است؟	- 1

توجه آیا بحث های محقق درباره مطالعات گوناگون باعث ایجاد آگاهی و درک مفاهیم شده است(مثال: آیا آنها یافته ها را در ارتباط با سیاست ها و فعالیت های جاری و یا در ارتباط با متون مبتنی بر تحقیق وشواهد بررسی می کنند)؟

> آیا محققین زمینه های جدیدی را که نیازمند تحقیقات می باشند مشخص کرده اند؟

آیا محققین تعمیم پذیری نتایج به جوامع دیگر رابحث کرده و یا راهکارهای دیگری برای استفاده از نتایج تحقیق بیان نموده اند؟

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Questions?