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Session 55: Interpretive synthesis

Thematic synthesis

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Thematic Synthesis*

- Line by line coding
- Comparing & grouping codes
- Descriptive themes
- Analytical themes

*See: Thomas J, Harden A (in press) Methods for the thematic synthesis of qualitative research in systematic reviews. *BMC Medical Research Methodology*

An example of thematic analysis for synthesis

Children and healthy eating: a systematic review of barriers and facilitators*

*Thomas J, Sutcliffe K, Harden A, Oakley A, Oliver S, Rees R, Brunton G, Kavanagh J (2003a) Children and Healthy Eating: A systematic review of barriers and facilitators. London: EPPI-Centre, Social Science Research Unit, Institute of Education, University of London (The full report of this review is available at the EPPI-Centre website http://eppi.ioe.ac.uk/EPPIWeb/home.aspx)

Review questions

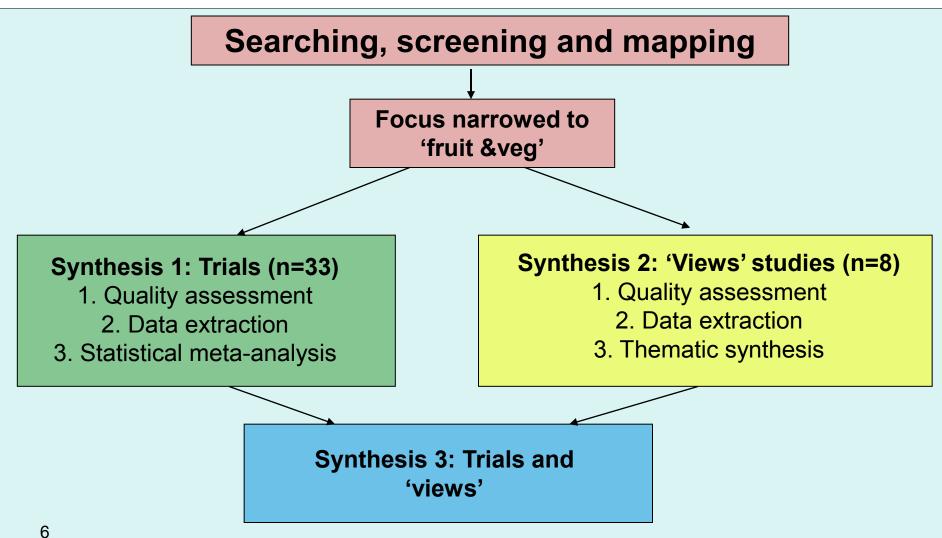
What is known about the barriers to, and facilitators of, healthy eating amongst children?

Do interventions promote healthy eating amongst children?

What are children's perspectives on healthy eating?

What are the implications of the above for intervention development?

REVIEW PROCESS



Thematic synthesis

Stage 1 and 2: Coding text and developing descriptive themes

Stage 3: Generating analytical themes

Stage 1 and stage 2

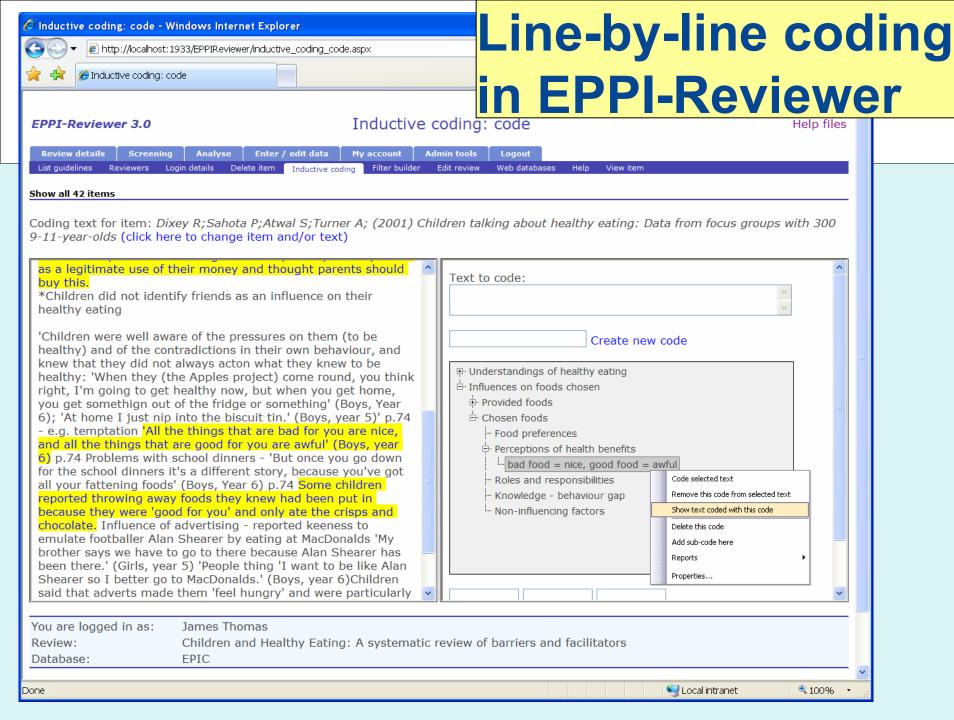
Data were author descriptions of study findings

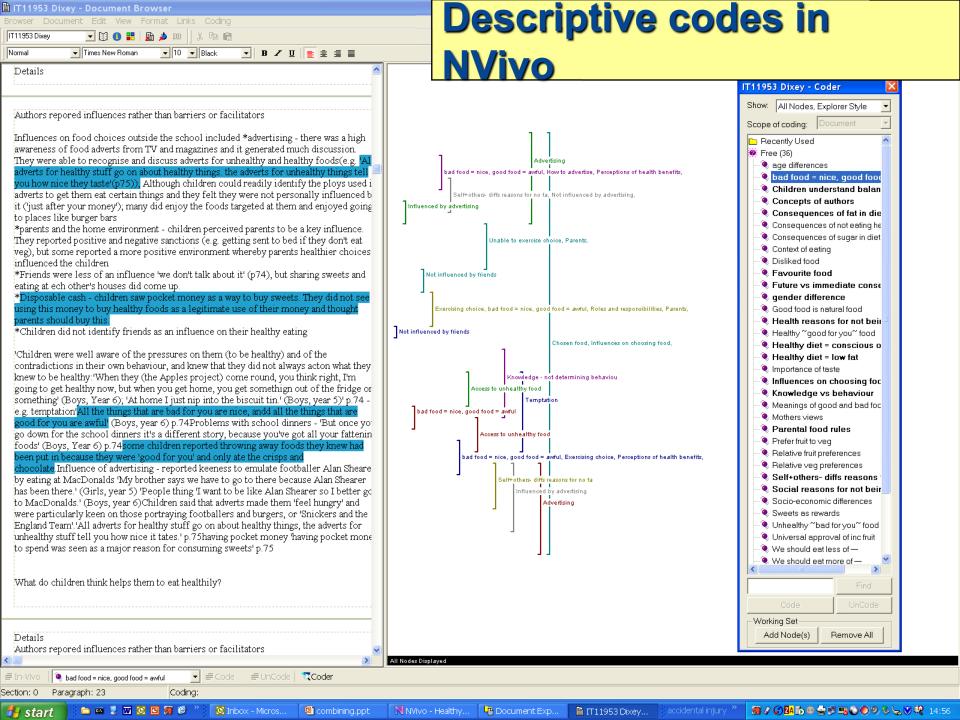
Line-by-line coding applied to data

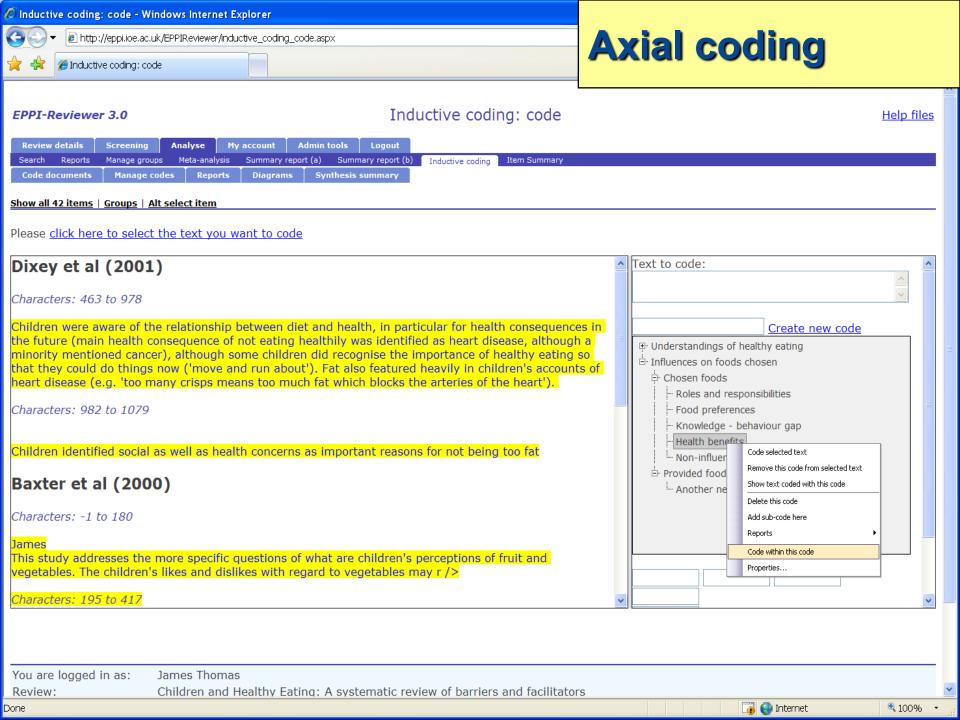
 36 initial descriptive codes (e.g. bad foods = nice; good foods = awful)

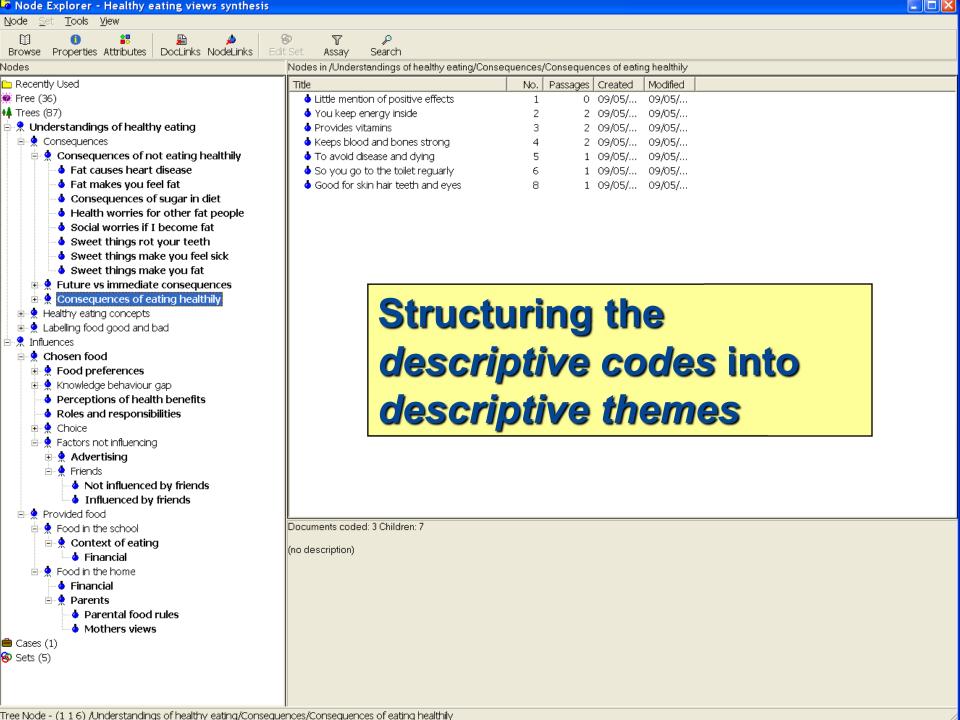
Looked for similarities and differences among descriptive codes in order to group them

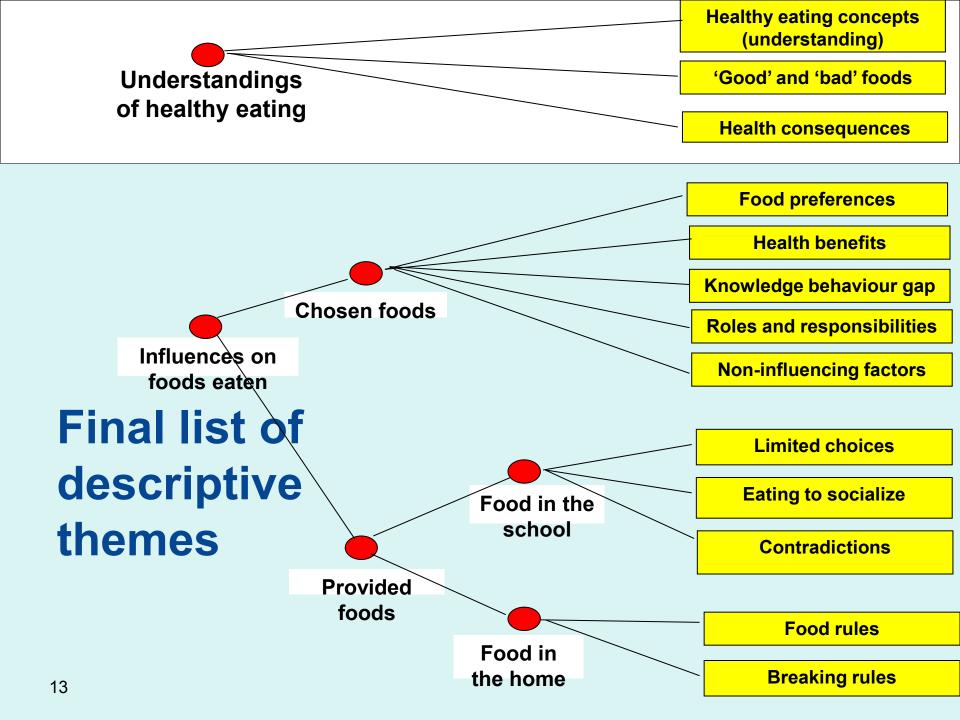
 13 descriptive themes (e.g. 'Perceptions of health benefits')











Stage 3: generating analytical themes

The descriptive themes stayed very 'close' to the content of the primary studies, but...

Our synthesis of descriptive themes, did not answer our review question directly

Barriers and facilitators framework:

- What do children think stops them from eating healthily?
- What do children think helps them to eat healthily?
- What ideas do children have for what could or should be done to promote their healthy eating?

'Recommendations for interventions'

Analytical themes emerged through a cyclical process which involved interrogating the descriptive themes to answer these questions

Example: generating analytical themes (1)

Five of the 12 descriptive themes concerned the influences on children's choice of foods

 (food preferences, perceptions of health benefits, knowledge behaviour gap, roles and responsibilities, non-influencing factors)

Children identified that:

- taste was the major concern for them when selecting food;
- health was either a secondary factor or, in some cases, a reason for rejecting food;
- buying healthy food was not a legitimate use of their pocket money which they would use to buy sweets that could be enjoyed with friends

Example: generating analytical themes (2)

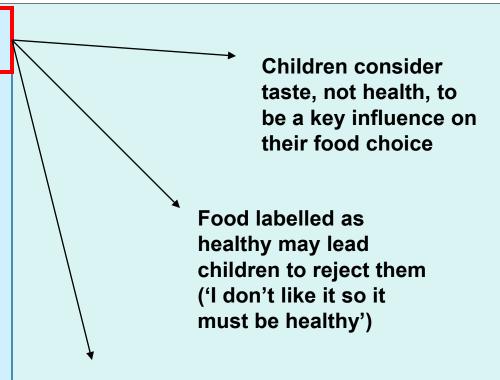
These perspectives indicated to us that:

- branding fruit and vegetables as a 'tasty' rather than 'healthy' might be more effective in increasing consumption
- 'All adverts for healthy stuff go on about healthy things. The adverts for unhealthy things tell you how nice they taste.'

We captured this line of argument in the analytical theme entitled 'Children do not see it as their role to be interested in health'.

Stage 3: Analytical themes

- 1) Children don't see it as their role to be interested in health.
- 2) Children do not see future health consequences as personally relevant or credible.
- 3) Fruit, vegetables and confectionary have very different meanings for children.
- Children actively seek ways to exercise their own choices with regard to foods.
- 5) Children value eating as a social occasion.
- 6) Children recognise contradiction between what is promoted and what is provided.



Buying healthy foods not seen as a legitimate use of their pocket money

Implications for interventions

- 1) Children don't see it as their role to be interested in health.
- 2) Children do not see future health consequences as personally relevant or credible.
- 3) Fruit, vegetables and confectionary have very different meanings for children.
- 4) Children actively seek ways to exercise their own choices with regard to foods.
- 5) Children value eating as a social occasion.
- 6) Children recognise contradiction between what is promoted and what is provided.

Brand fruit and vegetables as 'tasty' rather than 'healthy'.

Reduce health emphasis of messages

Do not promote fruit and vegetables in the same way within the same intervention.

Create situations for children to have ownership over their food choices.

Ensure messages promoting fruit and vegetables are supported by appropriate access to fruit and vegetables







Thank you! a.harden@ioe.ac.uk



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