09-30 Data Presentation

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Four purposes for data presentation

- Formative to aid conduct of review and insights from findings
- **Summative** as an output from the review process
- Integrative bringing together quantitative and qualitative elements (See Next Session)
- Audit to increase confidence in robustness

Formative

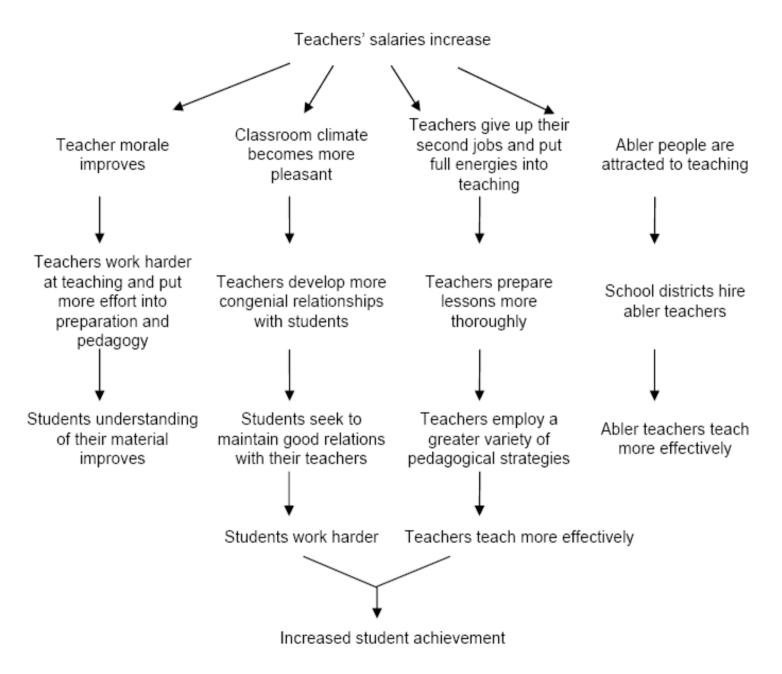


Figure 3. Example of a Programme Theory model: mechanisms by which higher teachers' pay may be linked to increased student achievement (from Weiss, 1998)



a)

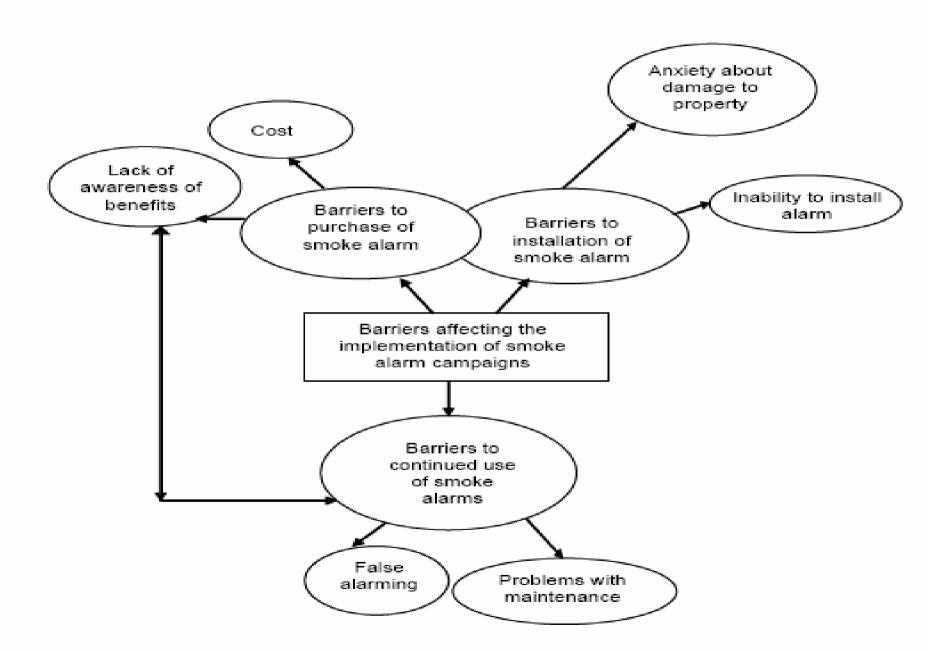
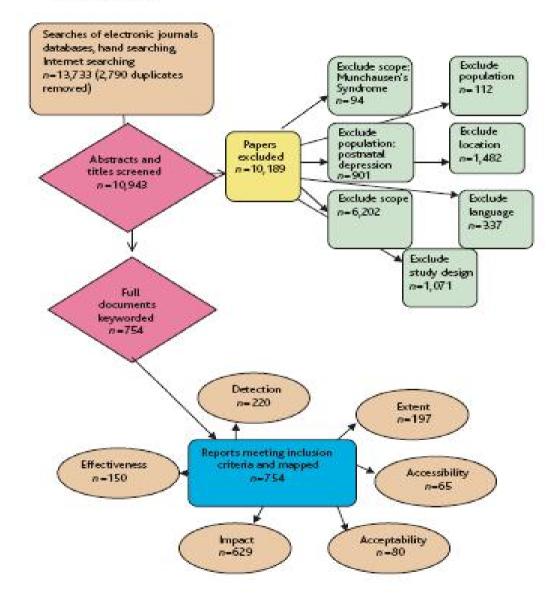
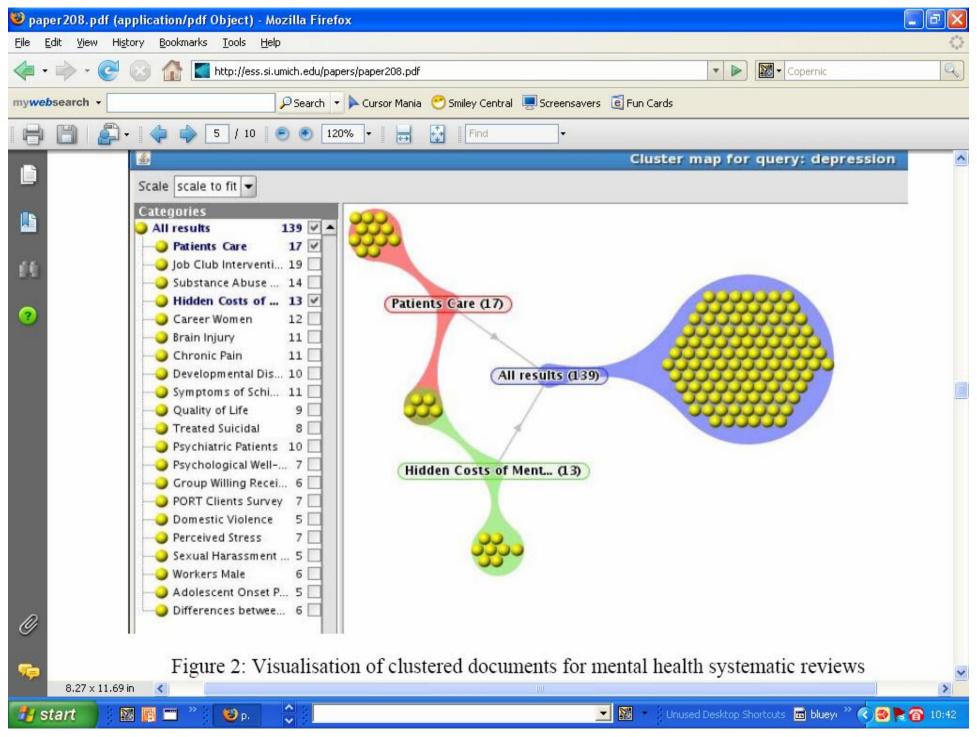


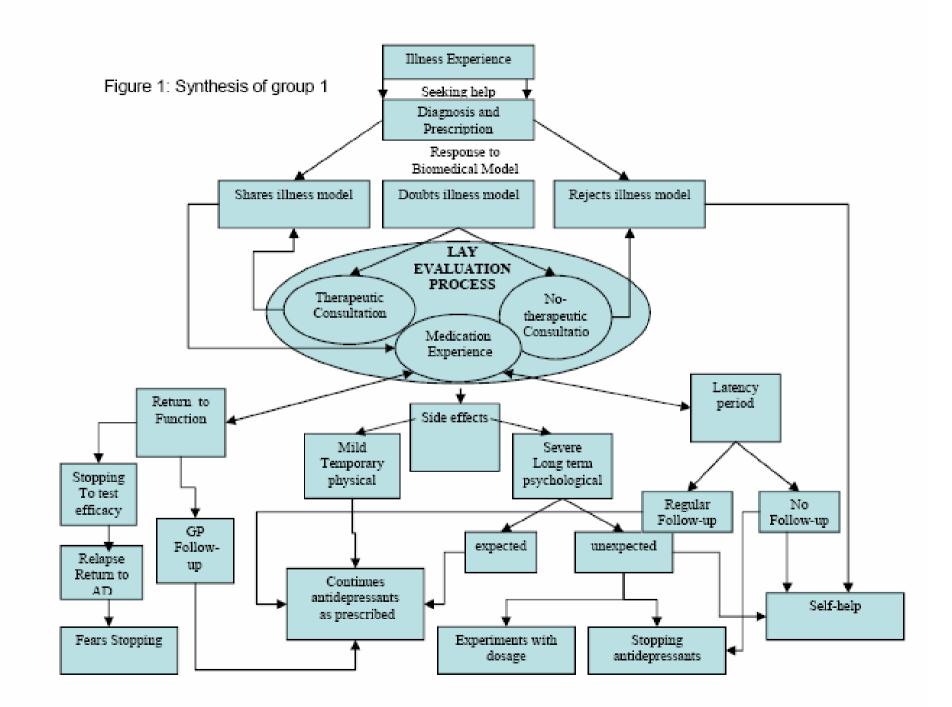
Figure 2 demonstrates the flow of literature through the systematic map.

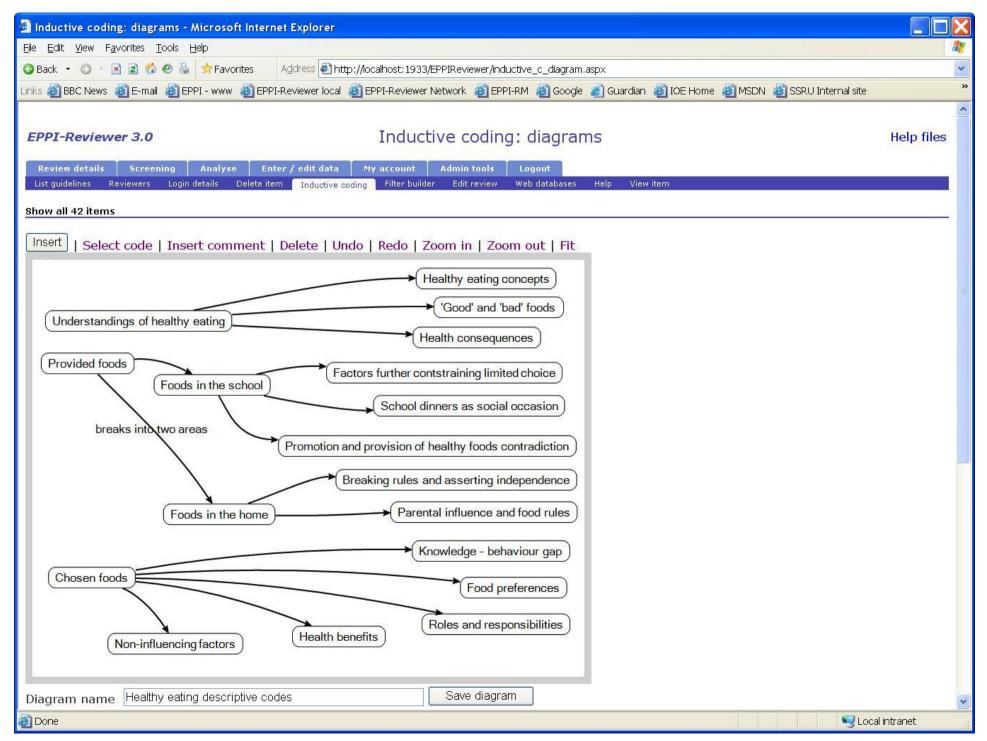
Figure 2 Flow of literature



Source: Adapted from EPPI-Centre (2004)







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Coding text for item: <i>Dixey R;Sahota P;Atwal S;Turner A; (2001) Chi</i> 9-11-year-olds (click here to change item and/or text) as a legitimate use of their money and thought parents should buy this. *Children did not identify friends as an influence on their	Idren talking about healthy eating: Data from focus groups with 300 Text to code:
healthy eating 'Children were well aware of the pressures on them (to be healthy) and of the contradictions in their own behaviour, and knew that they did not always acton what they knew to be healthy: 'When they (the Apples project) come round, you think right, I'm going to get healthy now, but when you get home, you get somethign out of the fridge or something' (Boys, Year 6); 'At home I just nip into the biscuit tin.' (Boys, year 5)' p.74 - e.g. temptation 'All the things that are bad for you are nice, and all the things that are good for you are awful' (Boys, year 6) p.74 Problems with school dinners - 'But once you go down for the school dinners it's a different story, because you've got all your fattening foods' (Boys, Year 6) p.74 Some children reported throwing away foods they knew had been put in because they were 'good for you' and only ate the crisps and chocolate. Influence of advertising - reported keeness to emulate footballer Alan Shearer by eating at MacDonalds 'My brother says we have to go to there because Alan Shearer has been there.' (Girls, year 5) 'People thing 'I want to be like Alan Shearer so I better go to MacDonalds.' (Boys, year 6)Children said that adverts made them 'feel hungry' and were particularly	Create new code
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Synthesis 2: Thematic analysis

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.
- 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.

Children consider taste, not health, to be a key influence on their food choice

Food labelled as healthy may lead children to reject them ('I don't like it so it must be healthy')

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

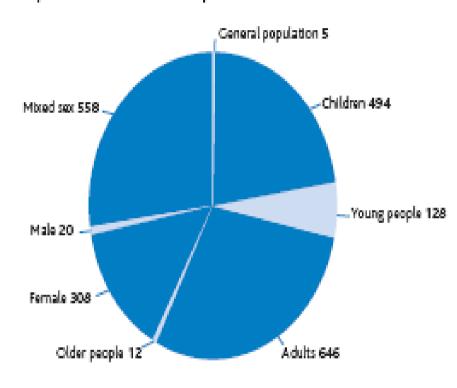


Figure 5 Population breakdown in map

Note: Categories not mutually exclusive.

Summative

Temporal Profile

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		Temporal profile	of reports $(n = 42)$	Table 1		
?		Year(s) data collected	References	Department of Health and Human Services Guidelines		
	NIH-PA Author Manuscript	Do not know Do not know Do not know Do not know Do not know Do not know 1993–1995 1993–1996 1993–1996 1993–2000 1993–2000	Misener & Sowell 1998 Fourney 1999 Richter et al. 2002 Douglass et al. 2003 Feigel 2003 Phillips et al. 2005 Mostashari et al. 1998 Laine et al. 2000 Patania 2003 Turner et al. 2000 Stone et al. 2001 Siegel & Gorey 1997 Schrimshaw et al. 2005	No guidelines in place No guidelines in place No guidelines in place 1993–1996: No guidelines 1997: Dual NRTI backbone + 1 PI 1993–1996: No guidelines 1997: Dual NRTI backbone + 1 PI 1998: Dual NRTI backbone + 1 or 2 PIs (EFZ added in Dec. 1998) 1999: Dual NRTI backbone (6 combos) + 1 or 2 PIs, or EFZ 2000: Dual NRTI backbone (4 combos) + 1 or 2 PIs, or EFZ No guidelines in place 1994–1996: No guidelines in place 2000: Dual NRTI backbone (4 combos) + 1 or 2 PIs, or EFZ 2001–2002: EFZ, PI, or boosted PI + dual NRTI backbone		
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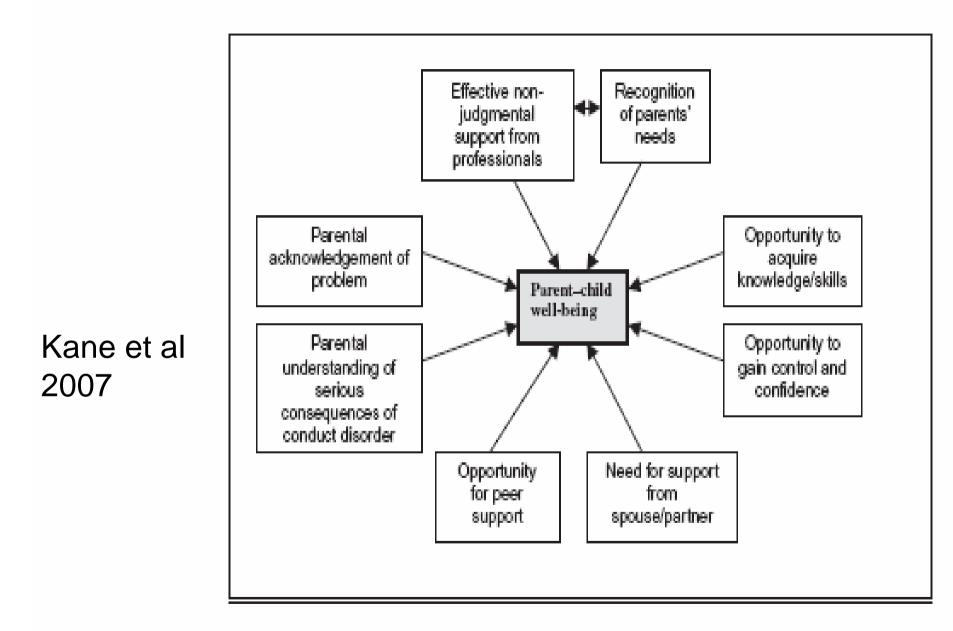
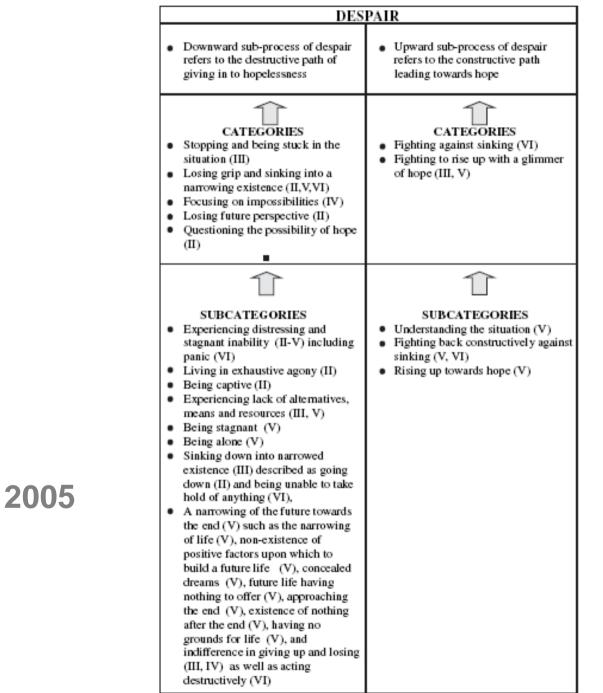


Figure 1. Line-of-argument synthesis: addressing parents' needs and promoting parent-child well-being.



Kylma 2005

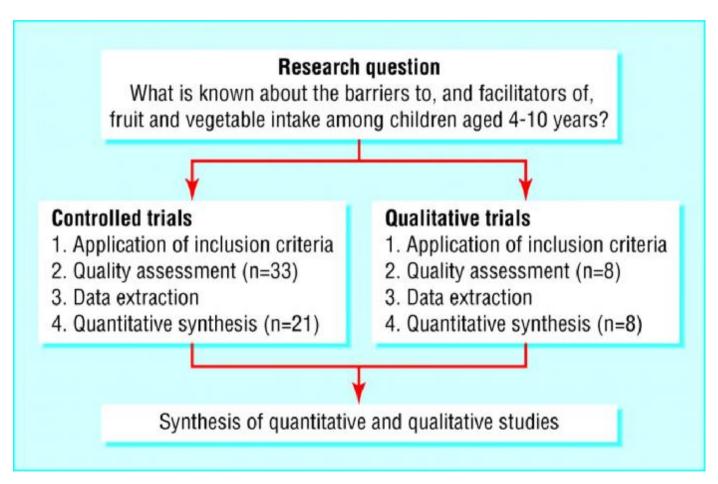
Audit

Transparency

 'Given the involvement of the researcher in the research process, the question is not whether the data are biased, but to what extent has the researcher rendered transparent the processes by which data have been collected, analysed and presented' (Popay et al, 1998, p. 348).

Overall Process

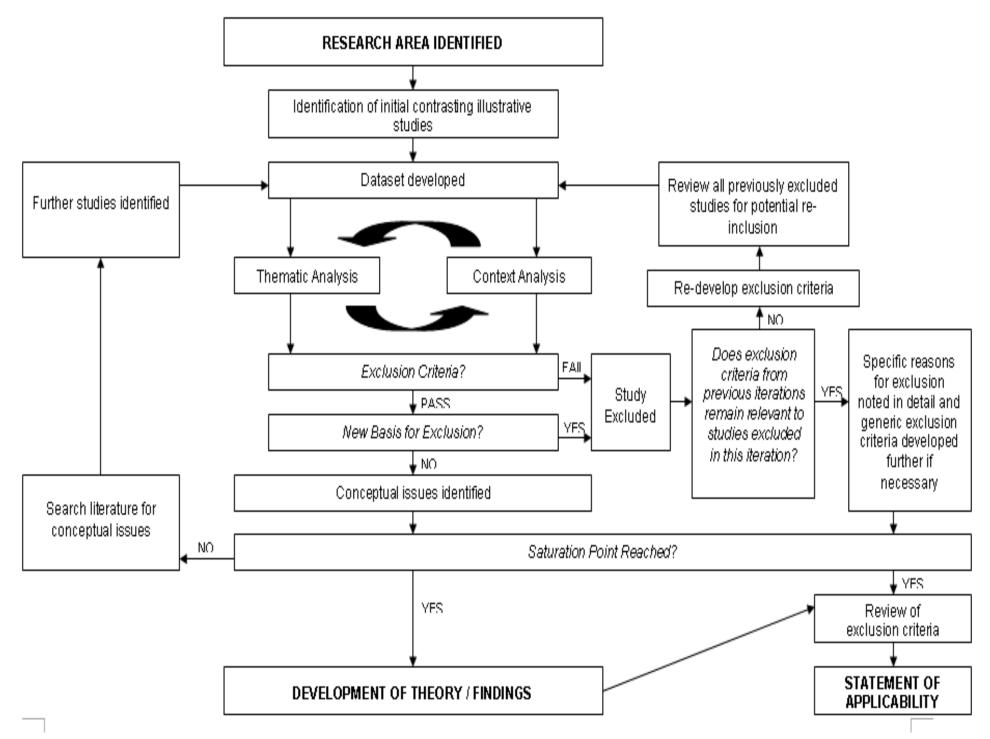
Fig 1 Stages of the review



Thomas, J. et al. BMJ 2004;328:1010-1012

BMJ

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Search Process

Setting	Perspective	Intervention	Comparison	Evaluation	Social science
					method
Depression	Patient	Antidepressants	GP and	Anti-depressant	Qualitative
	View		Patient views	use over time	
Depression;	Attitude to	Antidepressive	Physician-	Communication;	Qualitative
Depressive	health;	agents;	patient	Decision	research;
disorder;	Patient	Antidepress\$.tw	relations	making;	Qualitative.tw.;
Depress\$.tw.	satisfaction; Patient\$ adj3	-		Consultation.tw.	Qualitative adj research:
	viewS:				Grounded adi
	Patient care:				theory:
	Patient				Ethnograph\$;
	Compliance;				Qualitative adj
	Patient				studies;
	acceptance of				Interview\$;
	health care;				Focus groups;
	Patient				Nursing
	participation;				research.tw.;
	Treatment				nursing
	refusal;				research/ or
	Patient				mursing
	preference				evaluation
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					exp nursing
					methodology
					research/
					Field studies;
					Ethnonursing
					research; Field
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Table 1. Final search criteria and search terms using the SPICE(S) tool

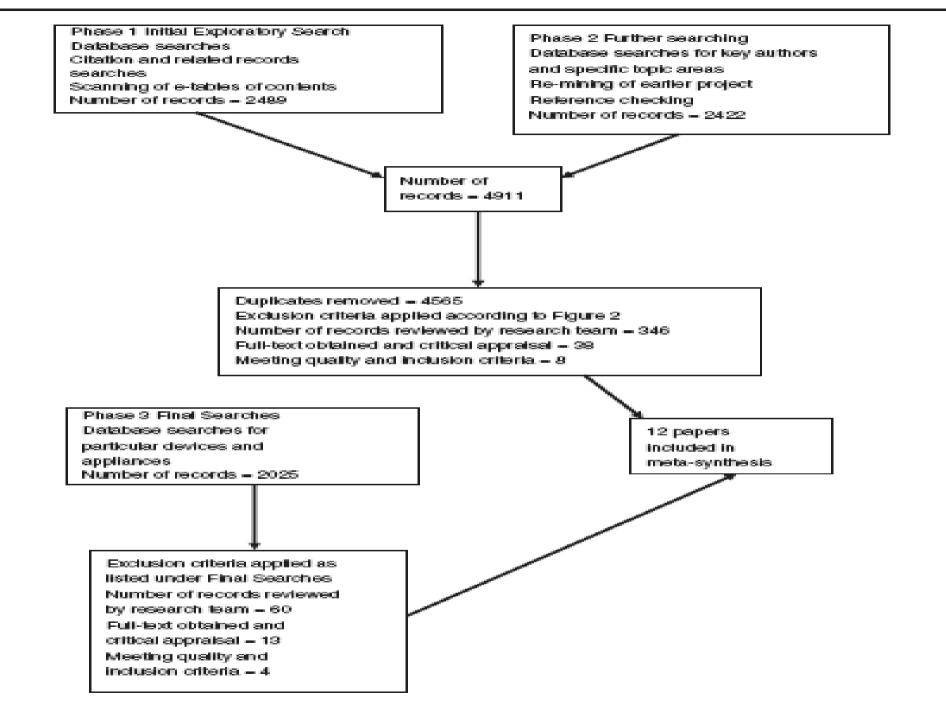
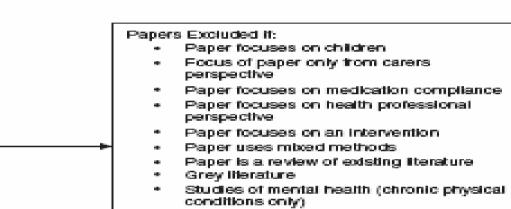


FIG. 2. Identification of relevant literature for inclusion in the meta-synthesis.

Inclusion and Exclusion

Papers identified using:

- CINAHL
- Medline
- Sociological Abstracts
- ISI Web of Knowledge Databases
- PubMed
- Hand Searching of Key Journals



- Paper presents qualitative data embedded in a randomised controlled trial
- Qualitative methods are being used to develop measurement tools
- Paper focuses on family adaptation to

Papers included if:

- Sufficient evidence of data trail was provided
- Paper included a health technology
- Participants were individuals with a long physical health condition
- The setting for use of health technology was the home
- The research design was qualitative
- The study was reported in English

FIG. 1. Inclusion and exclusion criteria for synthesis of patient adaptation to health technologies.

Synthesis Process

First	Patients views, accounts	
order	and interpretations of	Interpretations of
constructs	their experiences of	experience
	using anti-depressants	
Second	The authors views and	
order	interpretations	T c c c
constructs	(expressed in terms of	Interpretations of
	themes and concepts) of	interpretations of
	patients views of	experience
	antidepressant use.	
Third	The views and	マレ
order	interpretations of the	\sim
constructs	synthesis team,	Interpretations of
	(expressed in terms of	interpretations of
	themes and key	interpretations of
	concepts)	experience
		~

Table 4 – Definition of 1st, 2rd and 3rd order constructs, based on Noblit and Hare (1988)

Synthesis Results

TABLE 2. Main results from the meta-synthesis

Synthesis of main findings	Line of argument synthesis
Managing multiple uncertainties Heightened awareness of health deteriorating Continuous feelings of uncertainty about the future New vulnerability to technological failure Living in hope of technological advances	
Technology imposed a routine that facilitated a sense of control and certainty	Adaptation, accommodation and integration of a technology are an extension of identifying and living life with a chronic condition
The necessruction of identity Moral imperative to accept a technology Process of comprehension as to how technology will impact upon illness identity. Technology perceived as a signifier of illness Presumption that others will make inaccurate assumptions about the individual.	
Reconstruction of identity that retains a part of pre-illness identity	The integration of a technology or device into the user's life world can be viewed as an extension of existing 'illness work'
The struggle to remain autonomous while allowing dependence Technology helped maintain some level of independence Devices permitted a greater sense of self-regulation. Human qualities attached to the technology that aided engagement A new autonomy brought dependence on the technology and others Changes to relationships with health professionals experienced Health professional's views perceived to dominate	
Coming to terms with living a technology-assisted life Integration involved a process of normalization New values and norms incor por ated following the introduction of a technology Balance needed between illness regimen and daily life Alterations made to minimize intrusion	The introduction of a technology imposes a new time frame on the individual that must be adhered to, to meet the needs of the technology
Usability of devices Acceptance linked to user competency and user friendliness of the device Usability linked to perceived simplicity, convenience and hygiene of the technology	

Example of synthesising translations across illness groups

'Rejecters/sceptics' Dowell & Hudson (general medication)

Reject medication due to their values, bypassing testing process.

'Purposeful non-adherence' Johnson et al (hypertension)

A conscious decision not to take drugs, possibly following testing

'Active users' Dowell & Hudson (general medication)

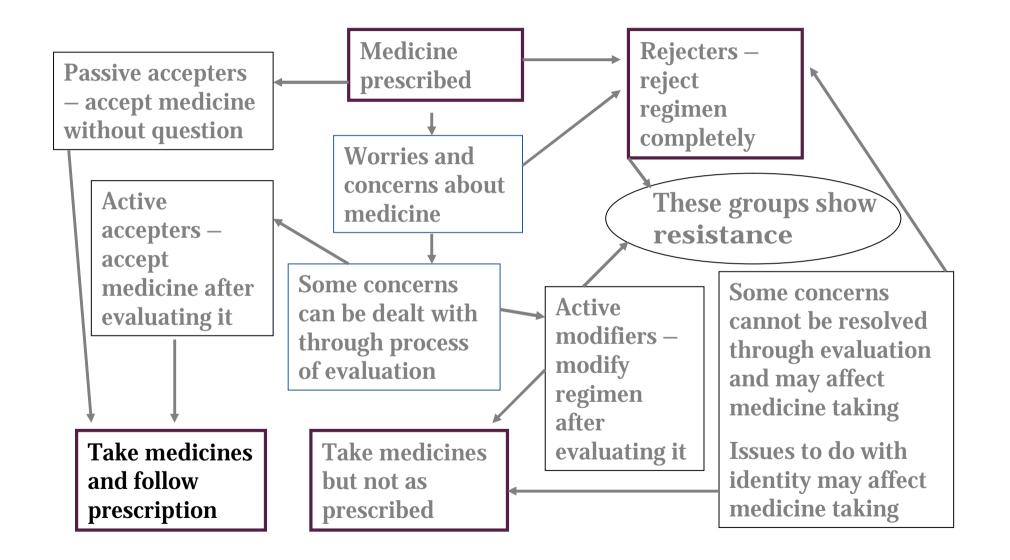
Conscious decision to modify regimen, following testing and deliberation

'Unorthodox Accounts' Britten (general medication)

'Self-help repertoire' Lumme-Sandt et al (general medication)

'Justifiers and Excusers' (Siegel et al (HIV)

Excuses offered by those who 'admit behaviour wrong but deny responsibility'. *Justifications* offered by those who 'take responsibility for behaviour yet deny it has negative consequences'.



References

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