











N=17, 475 PAPERS AND N=10,045 PARTICIPANTS LATER...

- Starting families today is a complex decisional issue
 Unclear that people are aware behaviour jeopardises parenthood goals
- Declining need [value, priority] of childbearing
- Increasing presence of competing demands and competing sources of life satisfaction (especially for women)
- Psychosocial need: decision-making about childbearing
 Value clarification
 - Deliberation between options
 - Support































Lifestyle change* interventions							
Lifestyle chunge interventions							
Study	Ν	Design	Intervention	Weight	Reproductive	QoL	
Aubuchon 2009	37	Chart review	D, E	8	8	-	
Pelletier 2010	117	Chart review	D, E	8	n/a	-	
Harris Š Glocker 2010	36	RCT	D, E, M	*	n/a	* PCOSQ	
(Hoeger 2004)					(ns)		
Karmizadeh 2010	343	RCT	D, E, M	8	ns	-	
Tang et al. 2006	67	RCT	D, E, M	ns	ns	-	
Thomson et al. 2008; 2009	59	RCT	D and/or E	8	8	* depression, PCOSQ	
Palomba et al. 2007	52	RCT	D or E	ns	8	ns-sex activity	
Waist circumference / hip:wa Mainly PCOS patients. [-] =	=stenor ist ratio interven	tion had negative of	vulation, cyclicity effect on fertility.	7.	1,		
Since Moran et al. 20	06 & L	im et al. 2007	reviews			(iÿi	

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Motivation a problem

- The percent of people who take up offers (mainly in context of research), when documented, is about 75% (e.g., Clark 1996; Katcher et al. 2006; Hoeger et al. 2004) and even lower if referred to external clinics (about 5% Hughes et al. 2000).
- From those who start typically a further 25-30% dropout (e.g., Stamets et al. 2004; Tromson et al. 2009) or more depending on intervention (40% in highly restricted diets Tegareli et al. 2005)
- Of stay in programs compliance (e.g., attendance at classes, adherence to diet) is only between 75-85%





















Need to develop support toolkit that can [really!] be integrated in the day-to-day

Needs assessment and intervention development techniques exist

- Intervention mapping (Bartholomew et al. 1998)
 MRC complex intervention framework (Campbell et al. 2000)
- Taxonomy of behnaviour change techniques (Abraham & Michie, 2008)

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Evidence-based evaluation methods (Sackett et al. 1996)
 etc



















	Six function model of medical	Goals	Immediate endpoints	Intermediate (and/or surrogate) endpoints	Long term endpoints
1	Fostering the relationship(s)	Good and effective relationship	e.g., + eye contact + patient participation - physiological stress measure	e.g., + trust + sense of rapport + satisfaction with consultation	+ patient satisfaction + patient health - physician stress and burn out
2	Gathering information	Adequate diagnosis and/or interpretation of symptoms	e.g., + explorative behavior + expression of patient concerns	e.g., + adequate diagnosis / treatment plan - diagnostic test ordering - medical errors	+ patient health + physician satisfaction
3	Providing information	Good information provision	e.g., + check understanding / explore prior knowledge - used of Jaroon	e.g., + recall + understanding	e.g., • patient uncertainty + patient autonomy
4	Decision making	Decision based on information and preferences	e.g., check decision making preference / patient values + provide information	e.g., - decisional conflict + satisfaction with decision	+ satisfaction with decision + health
5	Enabling disease & treatment related behavior	Adequate and feasible disease and treatment related behavior	e.g., address patient motivation and efficacy	e.g., + illness related behavior + treatment adherence + life style 2 costs	+ patient health
6	Responding to emotions	Supporting the patient, enhancing the communication and referral where needed	e.g., + clinician explorative skills / silence + patient expression of emotions ? time constraints	e.g., + patient sense of support + treatment of psychopathology	+ patient emotional adjustment - psychological distress ? costs





















PRCI development process

- Theoretical work
- Item generation
- □ Item impact evaluation
- $\hfill\square$ Feasibility and acceptability
- Focus groups stakeholders
- RCT (in progress in Utrecht)





Lancastle and Boivin. Hum Reprod 2008.



























Procedure (repeat)

- Identify types of interventions medical staff require
- Identify available psychosocial interventions for challenging health interactions
- Examine fit between needs and existing interventions with stakeholders
- Developmental and foundational research on adapting/creating tailored brief psychosocial interventions to address intervention needs
- Assess the feasibility, efficacy etc of implementing adapted/novel brief interventions in health contexts











Conclusions

- □ The 'who, what, when and how' is also relevant in ART
- Many psychosocial challenges before, during and after treatment but more can be done to identify these
- Addressing specific challenges with specific interventions would be expected to have good impacts on quality of life, treatment persistence and success of treatment but research needs to be done

