Sundhe	og tokalsamfund sot
	The SOL Project — a local community multi-level and multi-component health promotion program
	Experience of the control of the con
	Mikkelsen, BE
(A)	ISBNPA Capetown, June 9-11, 206 NORDEA FONDEN

Challenges in complex interventions

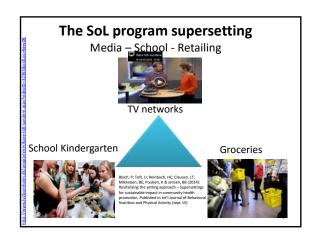
Craig et al (2008) summarizes four main difficulties:

- The difficulty of standardizing the design.
- Delivering the interventions in a way that is <u>sensitive</u> to the features of the local context.
- The organizational and logistical <u>difficulty of</u> <u>applying experimental methods</u> to service or policy change.
- The <u>length and complexity of the causal chains</u> linking intervention with outcome.

Craig, P; Dieppe, P; Macintyre, S; Michie, S; Nazareth, N & Petticrew, M (2008) Developing and evaluating complex interventions: the new Medical Research Council guidance, is

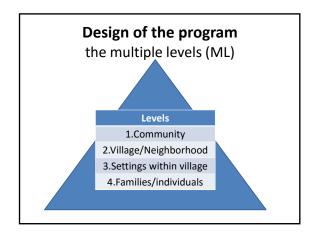
The Sol project fact sheet in brief

- Target: Eating and sedentary behavior in families with children aged 3-8 years-old. 220 families in 3 neighborhoods: Hasle, Allinge og
- Context: The intervention site is the Baltic isle of Bornholm with 3 neighborhoods selected for high intensity treatment.
- Project duration: 18 months
- Concept: Works through synchronized multi-level interventions in supermarkets, media, school/kindergarten settings.
- Interventions: Multi-Level Multi- Component (ML-MC)
- Implementation: Participatory partnership where representatives from civil society, community-based associations, businesses and the public administration are assigned influence in designing the program along with the researchers.

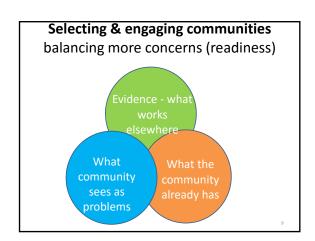








Selecting communities							
Variable	Characteristic	Unit	Bornholm Island	Odsherred (Match)	Capital Region		
Geophysical	Population	1000	41	32	1.754		
deopriysical	Area. Square km	km ²	588	355	2568		
	Overweight, BMI ≥25	%	50	53	41		
Health status	Diabetes	%	6,5	5,7	4,5		
	High blood pressure	%	16	23	22		
	Citizens with very unhealthy diet behaviors	%	14	16	10		
Health behavior	Citizens with < 30 min/day MVPA behavior	%	36	41	31		
	Citizens with self perceived poor health	%	18	21	15		
Socio Economic	Without occupational affiliation	%	26	28	19		
Position (SEP)	Without higher education (only primary + sec. school	%	19,1	18	7,6		

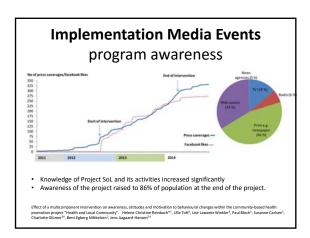


Choosing intervention sites Stakeholder identification PLU approach (Readiness)					
Stakeholder	Power	Legitima	су Ц	Irgency	
Municipality					
School Head teacher					
Local Media					
Shoop keepers association					
Local NGO's					
Low	Low-medium	Medium	Medium-h	igh I	ligh
1	2	3	4	- 5	

score card									
Intervention	Price	Strength of evidence base	Acceptability as assessed by mediators, How meaningful it is to the mediators	Acceptability as assessed by target group How meaningful it is to the end users/target group	Infrastructur or activities aiready present	vs Total score			
ow	Low 2	-medium	Medium 3	Medi 4	-	High			

Evaluation-Timing & target groups of summative surveys from random sample from personal security number and schools							
Questionnaires	Respondent	Baseline					
			1 year. During intervention	Post intervention			
Citizens Questionnaire (CQ).	Citizen	Х	х	Х			
Family Questionnaire (FQ).	Family/parents	X		Х			
Child Food Frequency Questionnaire (CFFQ).	Parent on behalf of Child	Х	X	X			





Summary of impacts

Store

- Price reduction (20%) on F&V significantly increase in sale
- Sales of fresh vegetables increased by 22% compared with the control supermarkets.
- The consumption wholegrain increased by 25 %.
- Sale of Carrot snack pack increased significantly

Child

- No reduction for waist measures and BMI among children
- Consumption of SBB among children decreased at $\mathbf{1}^{\text{st}}$ follow up

tp://politiken.dk/forbrugogliv/sundhedogmotion/ECE3185518/forskningsprojekt-har-laert-bornholmere-at-spise-sundere/

Buch-Andersen, T; Madsen, AL; Eriksson, F; Bloch, P; Glümer, C; Mlikkelsen, BE; Toft, U (2016): Effects of a multi-component community-based health gromotion intervention on eating behavior in 3-8-year-old children. The Danish Health and Local Community (HLC) project. Submitted to Public Health Nutrition.

Achievements

"agency" to challenge the "structures"

- Created a "health brand"
- (
- Demonstrated the power of school nutrition action groups (SNAG's)
- Engaged groceries community wide
- Integrated media actors strategically
- Created an ML-MC "industry standard"
- Integrated ML-MC in municipal health policy

Conclusion

- The status quo (inertia) tremendous energy needed to make change
- Populations are influenced by many factors
- Intervention should ideally target all
- Since that's not possible then better many than only
- But support/participation is need among citizens
- ML-MC can be speculated to create that support
- In other words is also about agenda setting and politicization (from Evidence2Policy)

Health as a peoples cause?
SoL at the annual celebration of democracy

Thanks to the people of Bornholm & Odsherrred

And the Sol team

Charlotte Glumer

Ulla Toft

Lise L Winkler

Tine Buch Andersen

Bjarne Bruun Jensen

Paul Bloch

Helene C. Reinbach

Thanks for your attention!	
PhD & Training course:	
Urban Spaces -	
action promoting better food & health August 29-31, 2016	h
Captive Foodscape Studies	
Aalborg University Copenhagen	
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