Socioecological theory-based interventions: How to evaluate the effectiveness of their mechanisms?

Dr Nadir KELLOU

« Process evaluation of population health intervention research:

A complement or an alternative contribution to randomized controlled trial?»

International Workshop

Paris

Wednesday 16 november, 2016

Context Theory Efficiency Evaluation Synthesis

Unhealthy behaviours



Diseases and Mortality



Context Theory Efficiency Evaluation Synthesis





Context Theory Efficiency Evaluation Synthes

« Our societies are complex and interrelated. Health cannot be separated from other goals.

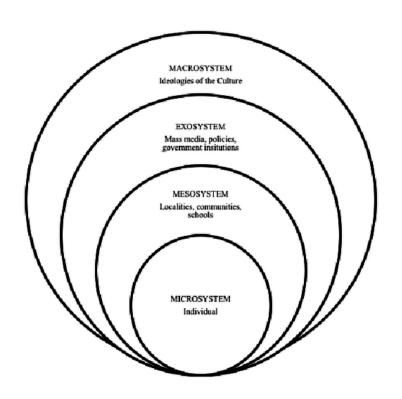
The inextricable links between people and their environment constitute the basis for a socioecological approach to health »

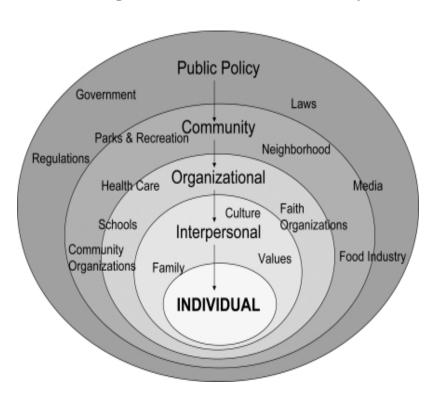
Ottawa Charter for Health Promotion. 21th november 1986. WHO

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Ecological Approach. U. Bronfenbrenner. 1979

Ecological Model. K.R. McLeroy. 1988

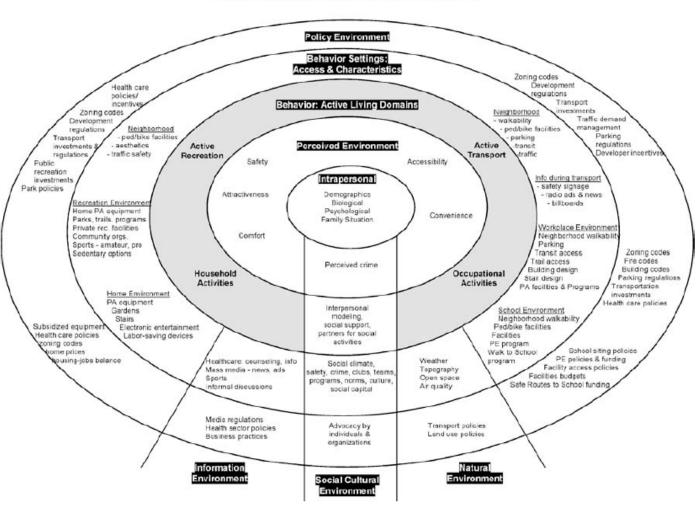




JF. Sallis. Health Behavior and Health Education. Theory Research and Practice. 2008

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Ecological Model of Four Domains of Active Living



JF. Sallis. An ecological approach to creating active living communities. Annu Rev Public Health 2006; 27:297-322.

Context Theory Efficiency Evaluation Synthes

Living Environment
Natural, Built
Organizational, Public Policy

Social Environment
Family members
Friends, Pairs, Co-workers

Individual
Emotions, Knowledge
Believes, Norms
Self-efficacy, Motivation...

TIME

Context Theory Efficiency Evaluation Synthes

Unhealthy behavior



Who is concerned?

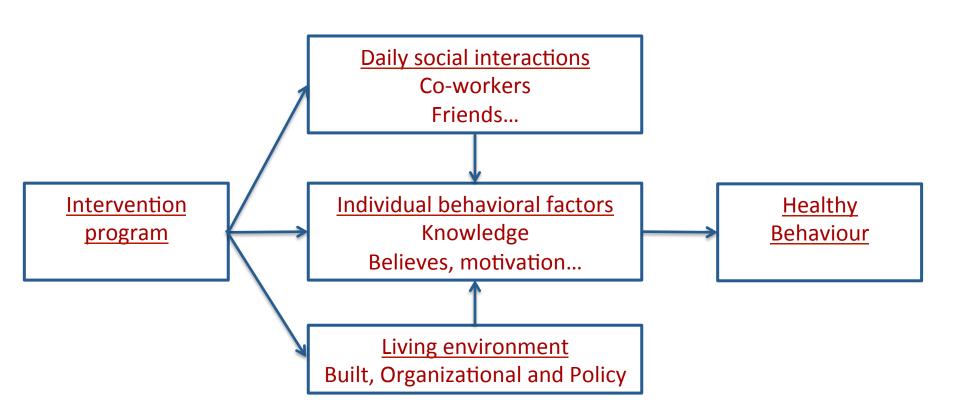
Identifying individual behavioral factors (Knowledge, Believes..)



Identifying the individual living or working environment

Identifying the individual daily social interactions

Context Theory Efficiency Evaluation Synthesi



Context Theory Efficiency Evaluation Synthesi

Prevention of unhealthy weight in children by promoting physical activity using a socio-ecological approach: What can we learn from intervention studies?

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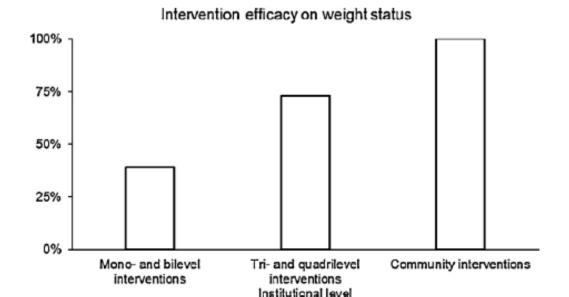
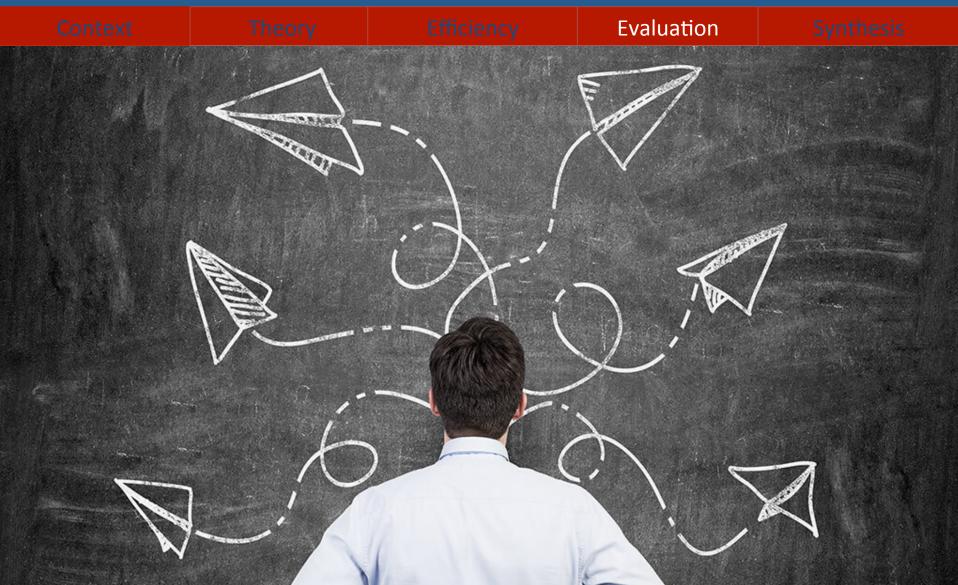


Fig. 1. Percentages of studies showing a significant effect on weight-status indices according to the levels of the physical activity determinants targeted by the intervention.

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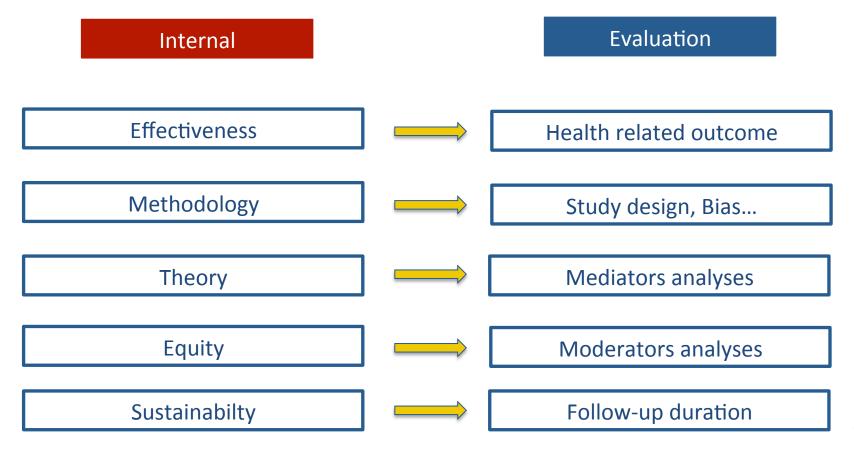
Context Theory Efficiency Evaluation Synthesis

Intervention process

External Internal Effectiveness **Participation** Methodology Implementation **Cost-Effectiveness** Theory Equity Reproductibility Sustainabilty **Transferabilty**

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Intervention process



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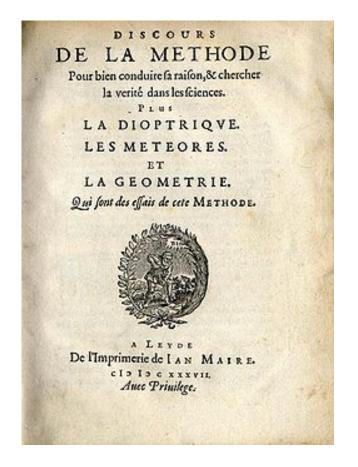
Intervention process

Evaluation External Participation % subjects **Implementation** % program components Cost-Effectiveness analyses **Cost-Effectiveness** Reproductibility Other areas **Transferabilty** Other populations

Context Theory Efficiency Evaluation Synthesis

Divide each difficulty into as many parts as is feasible and necessary to reslolve it





Context Theory Efficiency Evaluation Synthesis

WHEN?

BY WHOM?

HOW?

Context Theory Efficiency Evaluation Synthesis

WHEN?

Session 2

BY WHOM?
Session 3

HOW? → Session 3

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Thank you

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Healthy Communities Create Healthy People तक्षत्रनागतवक्ष geessalble वलीपवलियान **enothalo** public transportation arrangements neighbourhood character & identity