



Cervical Cancer Prevention Measures for Zambia, using the Social Ecological Model and Theory of Triadic Influence

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Outline

- Aim & Specific Objectives
- Central Research Questions
- Systematic Review
- Operationalization
- Research Plan



Aim and Specific Objectives

- This research will focus on finding optimal cervical cancer prevention procedures that can be practiced in Zambia

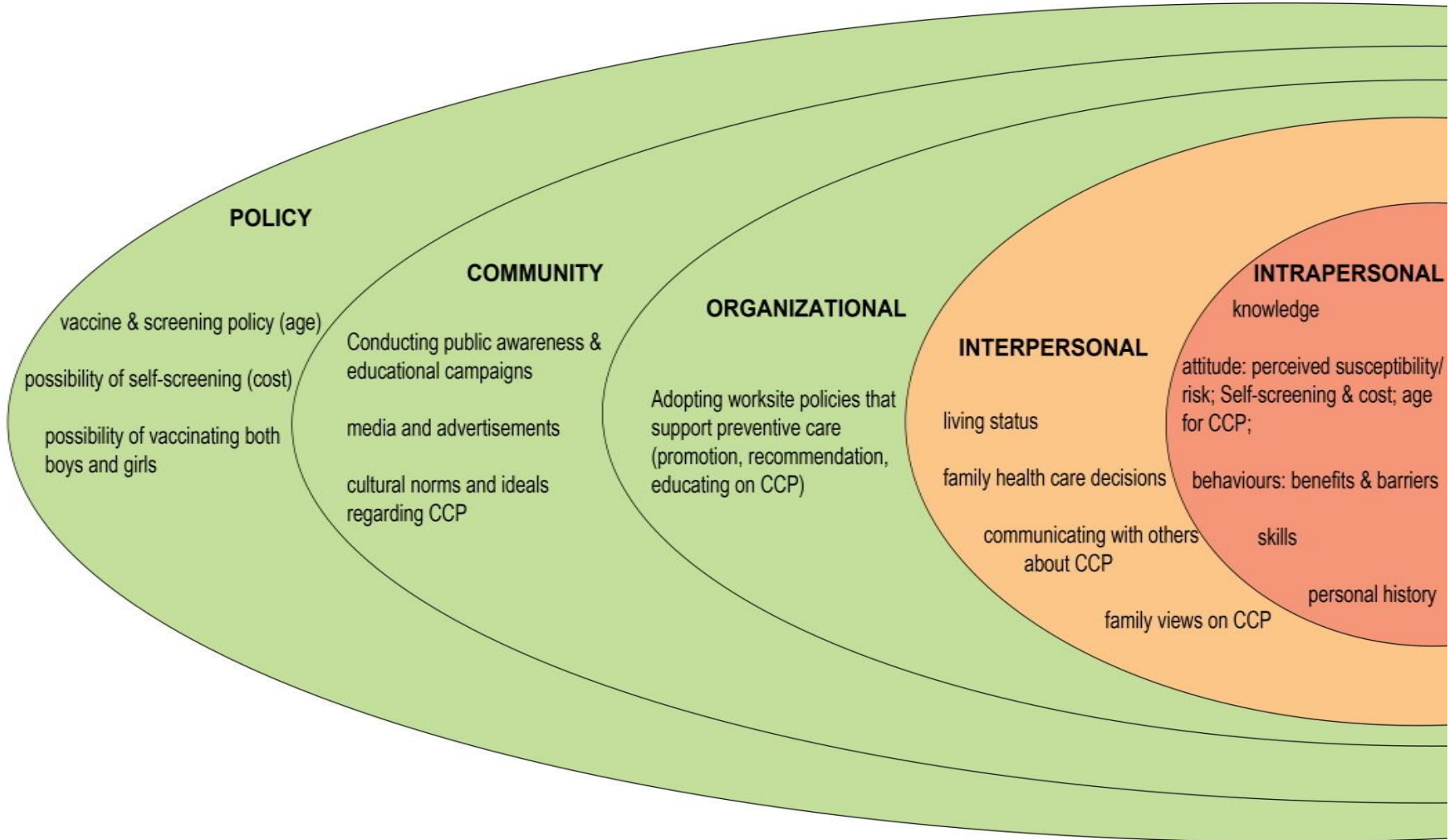
Specific objectives:

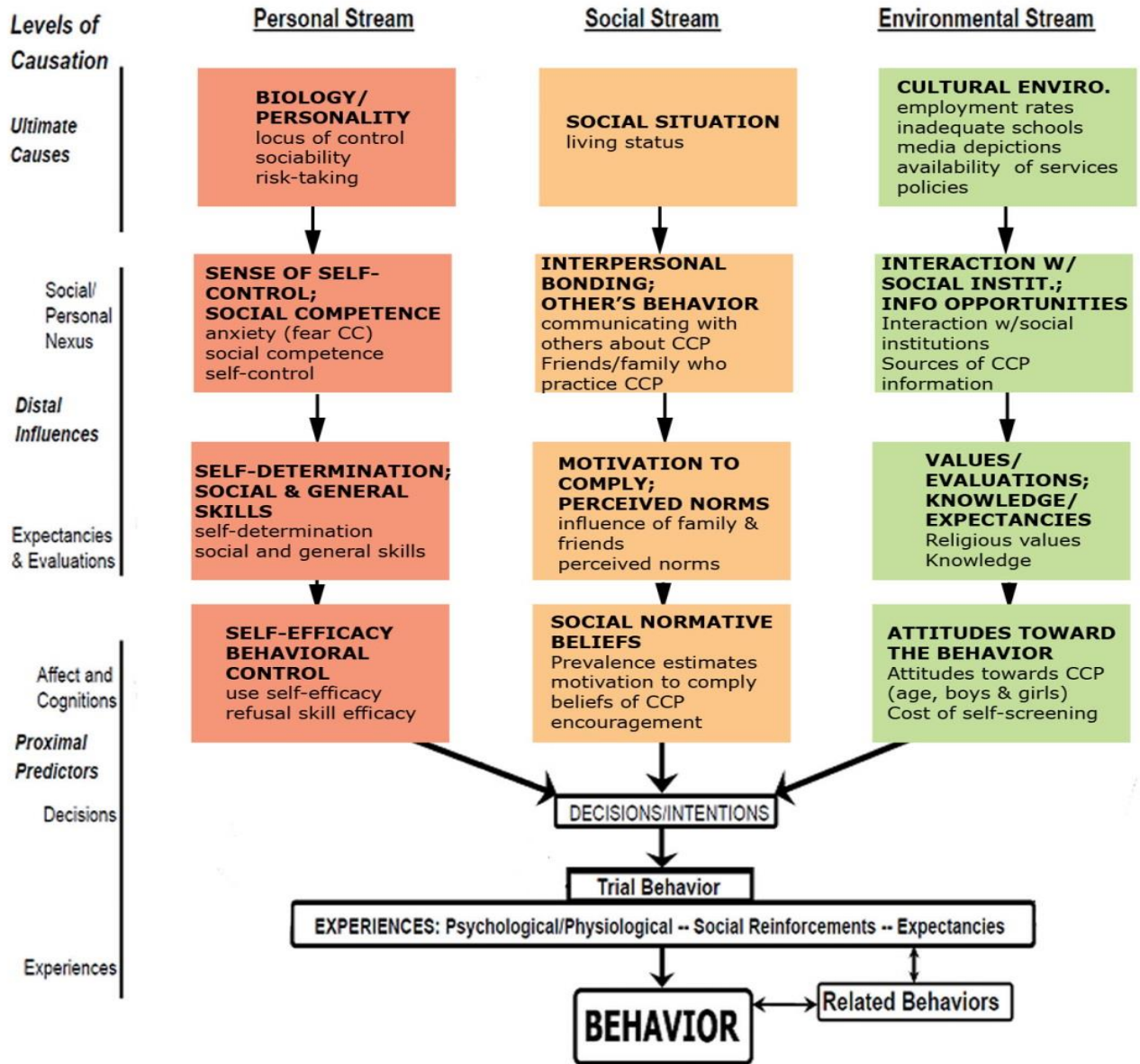
- Determine the views of Zambians on vaccination (boys & girls, age)
- Determine the views of Zambians on screening and self –screening (cost, age)
- Develop a cervical cancer prevention program based on the SEM/TTI that can be used in Zambia



Central Research Questions

1. To what extent are screening & vaccination as determined by SEM and TTI different?
2. To what extent is the execution of the two respective prevention programs (SEM, TTI) feasible in Zambia?







Systematic Review

- UA Discovery Service, Web of Science, PubMed, Proquest, Medline and Ovid
- Search terms:
 - Social Ecological Model AND Screening
 - Social Ecological Model AND Vaccination
 - Social Ecological Model AND Vaccine
 - Social Ecological Model AND Immunisation
- TTI all articles selected
- Other criteria specified e.g. English, 2000-2015
- Data Extraction Form
- Results: 40/290 SEM and 46/131 TTI



Systematic Review - results

Field/Topic	Item(s)	SEM		TTI	
		N	%	N	%
Location	USA	25	62.5	17	37.0
Participants*	Women	14	26.9	1	1.6
	Students	-	0.0	22	34.9
Aim	Form/evaluate interventions	12	30.0	14	30.4
	Determine behavior cause	7	17.5	19	41.3
Disease	Breast cancer	6	15	-	0.0
	Substance abuse	-	0.0	23	50.0
Intervention	Screening	29	72.5	2	4.3
	Substance Abuse/Risk Behavior	5	12.5	20	43.5
Study design (1°)	Cross-sectional	5	12.5	16	34.8
Study design (2°)	Simple overviews	12	30.0	4	8.7
Sampling*	Judgmental	14	26.9	17	27.0
	Convenience	11	21.2	20	31.7
Data collection*	Secondary data	15	28.8	12	19.0
	Questionnaires	13	25.0	41	65.1
Outcomes*	Screening practiced	19	36.5	2	3.2
	Risk behavior practiced	1	1.9	40	63.5
Pos. predictors	Pos. influences & surroundings	18	45.0	21	45.7
	Knowledge/awareness	18	45.0	5	10.9
Neg. predictors	Neg. personal beliefs	15	37.5	17	37.0
	Neg. influences & surroundings	13	32.5	28	60.9



Systematic Review - conclusion

Similarities: Theoretical concepts & composition

Differences: Structure & variable interaction

Recommendations:

- Consider depth of information (causation levels TTI)
- Consider source of information (society levels SEM)
- Consider availability & ease of obtaining data (conceptualize TTI)
- Consider resources & time (longitudinal study TTI)



Operationalization

SEM

TARGET POPULATION

TTI

Intrapersonal

Women with school going children
Kanyama & Chilenje

Intrapersonal

Questionnaire

Interpersonal

Men with school going children
Kanyama & Chilenje

Interpersonal

Organizational

Stakeholders
Healthcare providers: UTH, Cancer
Disease Hospital, Clinics (Kan. & Chil.)
Headteachers, Pastors (Kan. & Chil.)

Community

Special Interest Groups
CIDRZ, ACEWCC, Zambia/Kayula
Childhood Cancer Foundation, Cancer
Support Network Zambia, CDC, WHO,
Alangizi

Interview

Environmental

Document
Review

Policy

Policymakers
MoCDMCH, MoH, MoG



Research Plan

- Initiation – Autumn 2014
- Conceptual Framework – June 2015
- Instrument development & data collection plan – December 2015
- Final data – June 2016
- Analysis – December 2016
- Report – Summer 2017



Thank You!

