

Structured Contribution Analysis A Brief Dialogue and Practical Demonstration

Complexity and Outcomes – Local and National Perspectives

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Presented to: University of Edinburgh

Health Scotland

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The Cause and Effect Conundrum

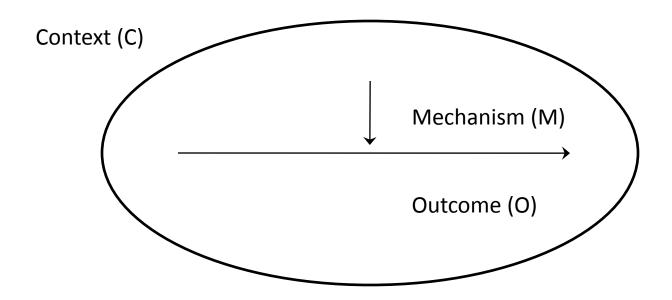
 We want to know whether we make a difference (i.e. cause and effect)

BUT

 Classic method-oriented approaches work less and less well* (complicated and complex environments, limited evaluative resources)

^{*}see Pedersen and Rieper Is Realist Evaluation a Realistic Approach for Complex Reforms? Evaluation Vol 14(3) 2008

Realist Synthesis (Evaluation)



Source: Pawson, R. <u>Evidence-based Policy A Realist Perspective</u> Sage Publications 2006. Figure 2.1 page 22

An Initial 'Theory Map' of the Public Disclosure of Health Care Information

Theory one:

Classification
The quality of particular
aspects of health care can be
monitored and measured to
provide valid and reliable
rankings of comparative
performance

Theory two:

Disclosure
Information on the
comparative performance
and the identity of the
respective parties is
disclosed and publicised
through public media

Theory three:

Sanction

Members of the broader health community act on the disclosure in order to influence subsequent performance of named parties

Theory four:

Response

Parties subject to the public notification measures will react to the sanctions in order to maintain position or improve performance

Theory five:

Ratings Resistance
The authority of the
performance measures can be
undermined by the agents of
those measured claiming that
the data are invalid and

unreliable

Theory six:

Rival Framing
The 'expert framing'
assumed in the
performance measure is
distorted through the
application of the media's
'dominant frames'

Theory three a, b, c, d

Alternative sanctions

The sanction mounted on the basis of differential performance operate through:

- a) 'regulation'
- b) 'consumer choice'
- c) 'purchasing decisions'
- d) 'shaming'

Theory seven:

Measure manipulation

Response may be made to the measurement rather than its consequences with attempts to outmanoeuvre the monitoring apparatus

Pawson, R., T. Greenhalgh, G. Harvey and K. Walshe (2005). Realist review – a new method of systematic review designed for complex policy interventions. *Journal of Health Services Research & Policy*, 10(Supp 1): 21-34.

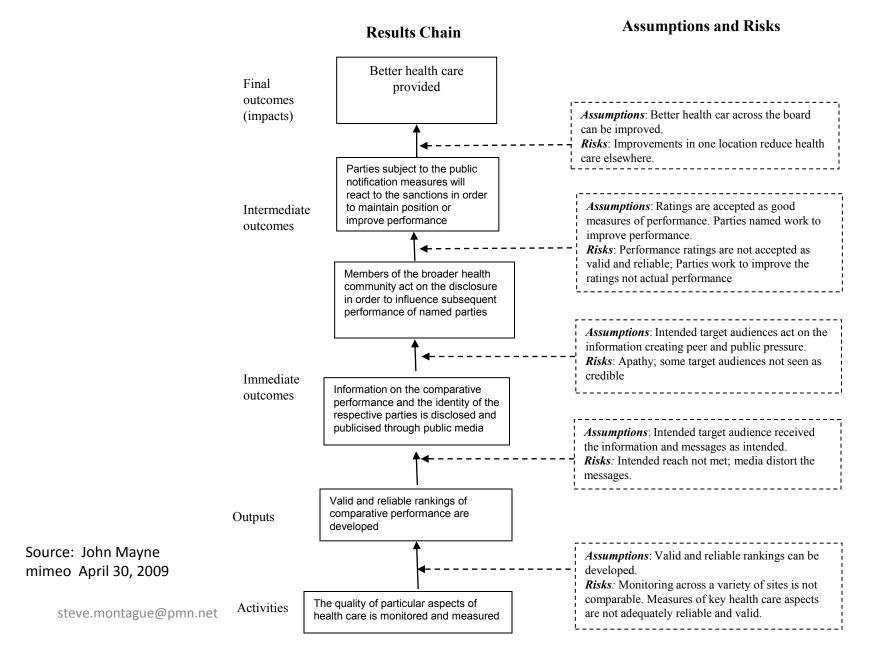
The Theories 'Thicket'

 Need to understand the underlying theory or theories in an intervention

BUT

 Theories can be multiple and sometimes contradictory – at minimum they are messy

An Initial 'Theory Map' of the Public Disclosure of Health Care Information



Contribution Analysis Defined

- There is an intervention theory with planned results
- The activities of the intervention were implemented
- The intervention theory is supported by evidence; the sequence of expected results is being realized
- Other influencing factors have been assessed and accounted for

Therefore,

 It is reasonable to conclude that the intervention is making a difference—it is contributing to (influencing) the results desired

Source: John Mayne mimeo April 30, 2009

The Need for Structure

In order to practically do CONTRIBUTION ANALYSIS, we have found the following points to be important:

- Distinguish control from influence
- Start with problems, issues and threats
- Develop a common language (results chain)
- Design results plans (not fancy logic models)

Control vs. Influence: Spheres of Influence

WHY? (State)

Your environment of indirect influence e.g., Industrial sectors, the Canadian public, communities of interest where you do not make direct contact

WHAT do we want by WHOM?

(Behavioral Change)
Your environment of direct influence
e.g., Inspected enterprises, people and
groups in direct contact with your operations

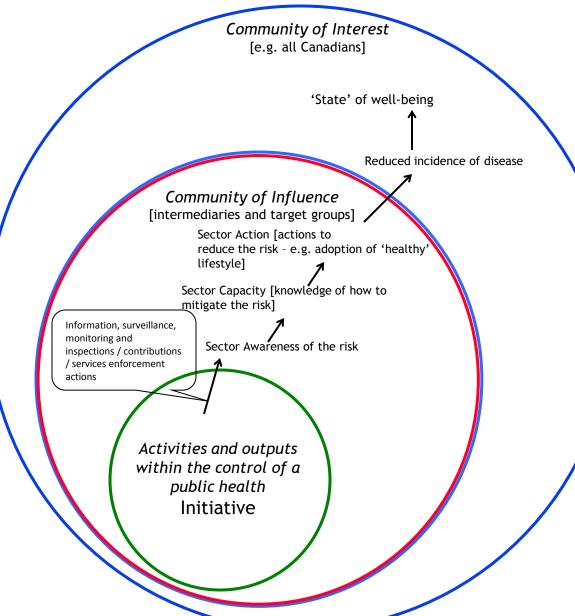
HOW?

(Operational)
Your operational
environment
You have direct control
over the behaviours within
this sphere

Performance needs to be considered in terms of its differing spheres of influence. Actions in the operational sphere should directly lead to changes in targeted groups which should in turn affect the desired 'state'.

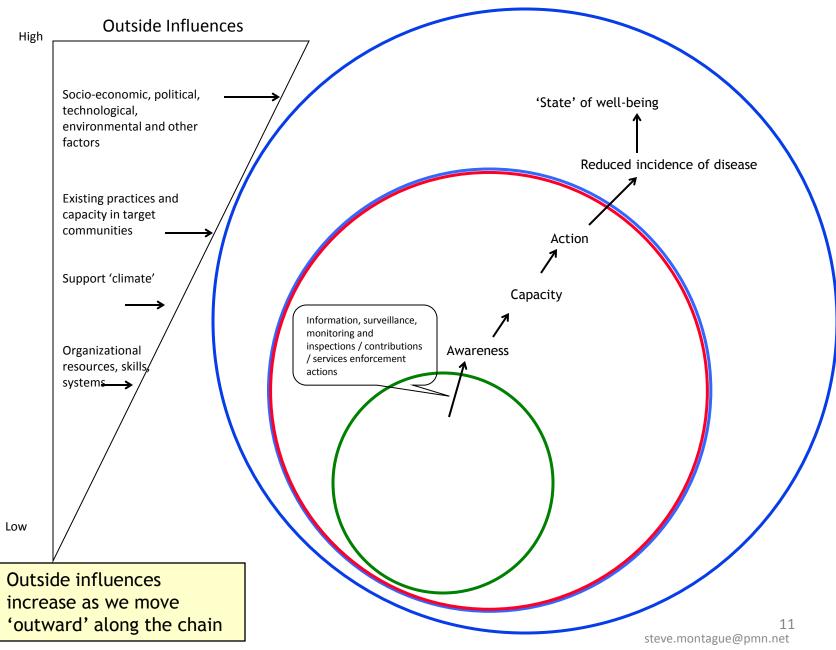
Sources: Van Der Heijden (1996), Montague (2000)

Spheres of Influence



Results statements can be 'placed' in a chain within these spheres

Spheres of Influence



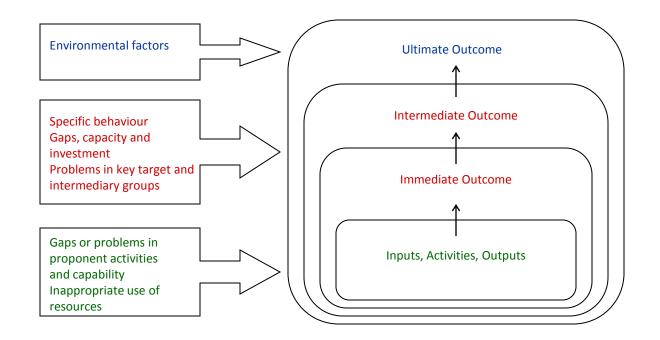
Problem Solving and Results Logic

- Initiatives are in place to reduce risks and harms – and / or to address needs
- Expected results should be determined by analysis of the problems, risks, harms and needs
- Problems, risks, harms and needs can be sorted in a hierarchy related to spheres of influence

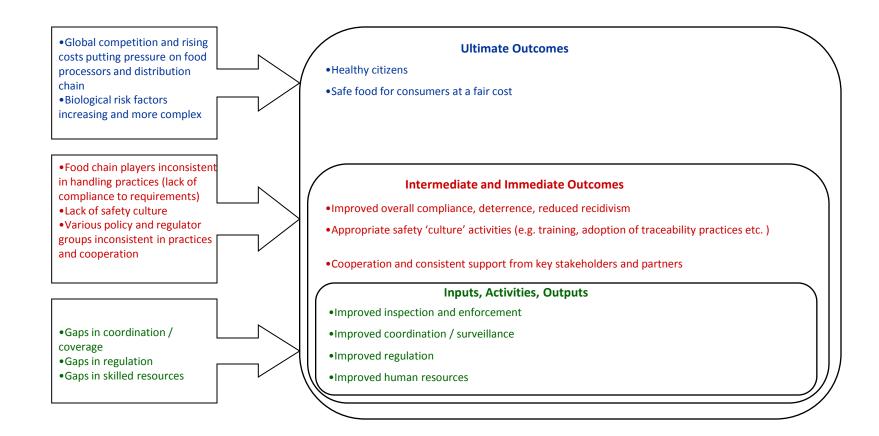
Problem / Risk or Harm Reduction Results Logic

- 1. Start with problems / gaps / risks / needs
 - 'Sort' from highest level conditions through to problematic community practices and capacity gaps down to involvement and participation.
 - Identify problematic agency (proponent) activities and resource gaps
- 2. Construct Results Chart based on needs
 - Draw on key 'problems' to derive key results
 - Construct a logical chain or sequence from resourcing through activities / outputs up to immediate, intermediate and ultimate outcomes
- 3. Develop 'progress' measures based on 1 and 2 above

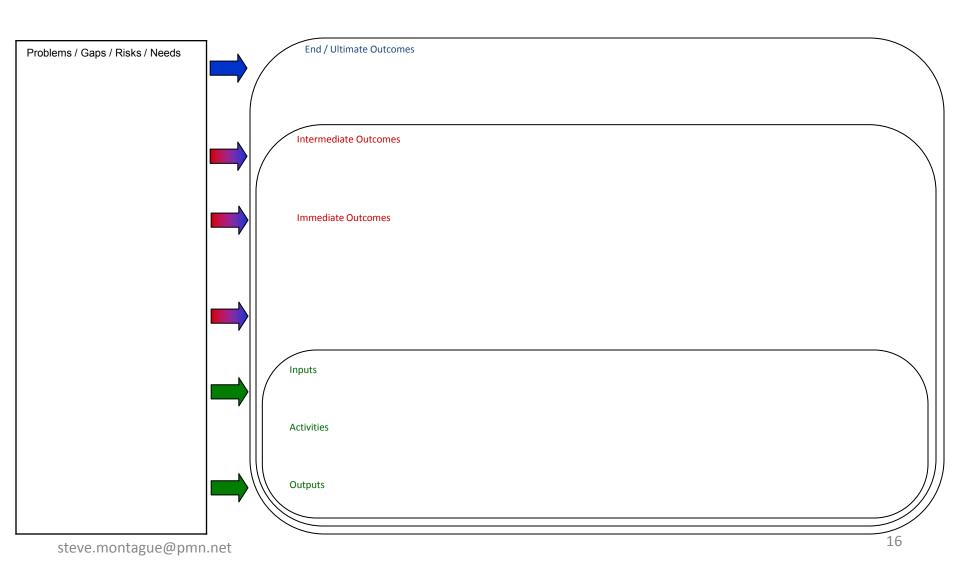
Problems / Risks Determine Strategy and Results Logic



Hypothetical Example: A Food Safety Initiative



A Basic Problem Oriented Results Logic (Problems / Gaps Should Inform Results)



A Results Framework (Logic) for Public Health Programs and Initiatives

Start with problems and risks

Consider who and what needs to change

Develop a sequence of changes to be made

'Map' the logic onto the results logic chart provided

Developing Indicators

Relate directly to results

As specific as possible

Targets related to problems

Example: The Canadian Cancer Society

Large charity (largest in Canada)

High diversity and complexity

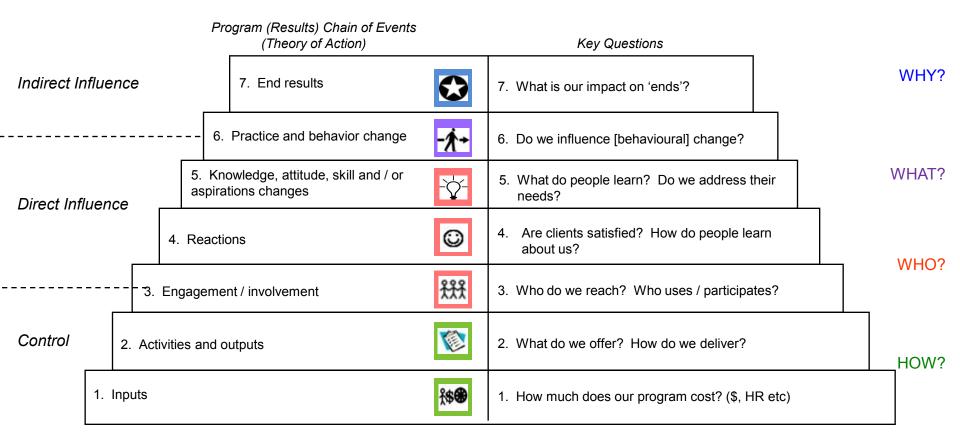
Needed more consistency

Need more strategic focus

Problem-Based Results Logic and a (Modified) Bennett Hierarchy

- Look at the prevention portfolio as a set of risk areas (tobacco control, pesticides use, obesity, sun exposure, lack of screening etc.)
- Set research up on problems and trends then construct desired results and indicators
- Impact evaluation to fill gaps directly inform strategies

A Basic Results Chain



Source: Adapted from Claude Bennett 1979. Taken from Michael Quinn Patton, <u>Utilization-Focused Evaluation: The New Century Text</u>, Thousand Oaks, California, 1997, p 235.



A Related Sequence of Needs / Problems

A related sequence of problems:

Summary: Thousands of members of Community Y put themselves at risk of skin cancer due to excessive exposure to the sun's UV rays. This can be shown as a sequence of issues as follows:

- ► The incidence of sun-related cancers is rising in Community Y.
- Community Y shows self-assessed ratings of sun-safe precautions (e.g. clothing, sunscreen etc.) for given UV exposures which are lower than the national average.
- Community Y does not currently have a shade policy for public spaces.
- Market research data shows that X% of Community Y members are unaware of what appropriate precautions to take at 'high' or 'medium' levels of UV exposure.

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Situation / Needs Assessment					
Conditions What is the current 'state' of cancer? (Health-incidence, mortality, morbidity, quality of life, social, technological, economic, environmental, political [S.T.E.E.P], trends) What broad need or gap can / should CCS be trying to fill?	 The incidence of sun-related cancers is rising in Community Y. 				
Practices What are the current (problematic) practices in place re: cancer support in the target communities of interest? What are the coping difficulties?	 Sunsafe precautions taken by members of Community Y are below the national average. Tanning bed use - especially among young adults - continues to suggest risks of inappropriate exposure. 				
Capacity Are there gaps in delivery support? What gaps exist in the CCS's target communities in terms of knowledge, abilities, skills and aspirations?	 Community Y does not currently have a shade policy. X% of Community Y members are not aware of the appropriate precautions to take at given UV levels. 				
Awareness / Reaction Are there gaps in terms of target community awareness of and / or satisfaction with current information, support services, physical support, laws and regulations, or other initiatives to support needs? What are the perceived strengths and weaknesses?	 X% of Community members are aware of the risks of UV and the risks of tanning bed exposure. This is low compared to possible levels (reference: Australia) 				
Participation / Involvement Are there problems or gaps in the participation, engagement or involvement of groups who are key to achieving the CCS's desired outcomes?	 Groups of concerned citizens or professionals have not yet been mobilized in this community. No other group has yet picked up this cause. Media attention has not been given to this subject. 				
CCS Activities / Outputs Are there activities or outputs which the CCS does which represent barriers or gaps to achieving its objectives?	 CCS has not focussed attention on this area, other than distributing pamphlet information. 				
CCS Resources What level of financial, human and technical resources are currently at the CCS's disposal? Are there gaps?	 Minimal human and \$ support has been invested in this area. 				



Results Plan

		Time Periods – Usually Fiscal Years				
	Results Chain	T0 [Current Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]	
WHY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	Recent cancer trends (incidence, mortality, morbidity, Q of L) including S.T.E.E.P. factors			Observed health effects and broad system changes (incidence, mortality, morbidity, Q of L)	
	6. Practice and Behaviour Change Describe the practices and behaviour of individuals, groups, and partners over time.	Current level of practices re: need/problem area		Observed behaviour changes, adaptation, action	Observed behaviour changes, adaptation, action	
WHAT	5. Knowledge, Ability, Skill and / or Aspiration Changes Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities.	Current level of knowledge, ability, skills and/or aspirations re: issue area and services etc		Observed or assessed learning / commitment	Observed or assessed learning / commitment	
BY	Reactions Describe feedback from individuals, groups,	Current awareness + satisfaction level with information, services etc.	Reactions (satisfaction level)	Reactions (satisfaction level)	Reactions (satisfaction level)	
WHOM?	and partners: satisfaction, interest, reported strengths and weaknesses. 3. Engagement / Involvement Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature of involvement	Current level of usage / participation / involvement by key groups (including other deliverers)	Level of usage / engagement / participation	Level of usage / engagement / participation	Level of usage / engagement / participation	
	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	Current activities + outputs (type and level)	# OutputsMilestones Achieved	# OutputsMilestones Achieved	# Outputs Milestones Achieved	
HOW?	1. Inputs / Resources Resources used: dollars spent, number and types of staff involved, dedicated time.	Current and historical\$ and HR spent Needs re: CCS capacity	\$ and HR spent Improvements to CCS capacity	\$ and HR spent Improvements to CCS capacity	\$ and HR spent Improvements to CCS capacity	

			Needs-Results Plan Worksheet			
	Results Chain	T0 [Current Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]	
HY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	Increasing incidence of sun related cancer			Reduced rate of sun related cancer	
HAT HOM?	6. Practice and Behaviour Change Describe the practices and behaviour of individuals, groups, and partners over time. 5. Knowledge, Ability, Skill and / or Aspiration Changes Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities. 4. Reactions Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses. 3. Engagement / Involvement Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature of involvement	Problematic level of unsafe sun and tanning behaviours Key Segments do not know appropriate sunsafe precautions for various UV levels Lack of awareness / reactions to UV warnings Lack of apparent awareness of need for shade in public spaces Lack of public / institutional / other related agency involvement in sunsafe promotion Lack of opportunity for	• Improved awareness of UV levels and their implications • Pick-up of need for shade messaging by media and various public institutions • Media pick-up of sunsafe messaging • Involvement of physicians groups in sunsafe cause			
	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	concerned group involvement • Gap in promotional / educational activities	Promotional / educational activities and information / communication to key target groups			
W?	1. Inputs / Resources Resources used: dollars spent, number and	• Gaps in resources committed to area	• Level of people, skills, knowledge, \$ applied to sunsafe area			

	AREA OF CCS MISSION / O	BJECTIVES: Reduce incidence	e and mortality from cancers as	sociated with U.V. exposure		
		Needs-Results Plan Worksheet				
	Results Chain	T0 [Current Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]	
WHY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	Increasing incidence of sun related cancer			• Reduced rate of sun related cancer	
VHAT	6. Practice and Behaviour Change Describe the practices and behaviour of individuals, groups, and partners over time. 5. Knowledge, Ability, Skill and / or Aspiration Changes Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities.	Problematic level of unsafe sun and tanning behaviours Key Segments do not know appropriate sunsafe precautions for various UV levels		Improved / increased 'sunsafe' behaviours Reduced risky tanning practices Shade policies implemented for public areas Understanding of what precautions to take at various UV levels		
NHOM?	4. Reactions Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses. 3. Engagement / Involvement Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature of involvement	Lack of awareness / reactions to UV warnings Lack of apparent awareness of need for shade in public spaces Lack of public / institutional / other related agency involvement in sunsafe promotion Lack of opportunity for concerned group involvement	Improved awareness of UV levels and their implications Pick-up of need for shade messaging by media and various public institutions Media pick-up of sunsafe messaging Involvement of physicians groups in sunsafe cause	Timproved awareness of UV levels and their implications Pick-up of need for shade messaging by media and various public institutions Media pick-up of sunsafe messaging Involvement of physicians groups in sunsafe cause		
IOW?	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	Gap in promotional / educational activities	Promotional / educational activities and information / communication to key target groups	Promotional / educational activities and information / communication to key target groups		
10 44 i	1. Inputs / Resources	• Gaps in resources committed to area	•Level of people, skills, knowledge, \$ applied to sunsafe area	 Level of people, skills, knowledge, \$ applied to sunsafe area 		

	AREA OF CCS MISSION / OF	BJECTIVES: Reduce incidence	and mortality from cancers as	sociated with U.V. exposure			
	Describe Obsta	Needs-Results Plan Worksheet					
	Results Chain	T0 [Current Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]		
WHY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	• Increasing incidence of sun related cancer			Reduced rate of sun related cancer		
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HOW?	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	• Gap in promotional / educational activities	Promotional / educational activities and information / communication to key target groups	Promotional / educational activities and information / communication to key target groups	Promotional / educational activities and information / communication to key target groups		
11011	1. Inputs / Resources Resources used: dollars spent, number and types of staff involved, dedicated time.	• Gaps in resources committed to area	•Level of people, skills, knowledge, \$ applied to sunsafe area	• Level of people, skills, knowledge, \$ applied to sunsafe area	• Level of people, skills, knowledge, \$ applied to sunsafe area		



	AREA OF CCS MISSION / OBJECTIVES: Reduce incidence and mortality from cancers associated with U.V. exposure							
	Describe Oberin		Needs-Results Plan Worksheet					
	Results Chain	T0 [Current Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]			
WHY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	Increasing incidence of sun related cancer			Reduced rate of sun related cancer			
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HOW?	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	Lack of opportunity for concerned group involvement Gap in promotional / educational activities	Promotional / educational activities and information / communication to key target groups	Promotional / educational activities and information / communication to key target groups	Promotional / educational activities and information / communication to key target groups			
	1. Inputs / Resources Resources used: dollars spent, number and types of staff involved, dedicated time.	Gaps in resources committed to area	Level of people, skills, knowledge, \$ applied to sunsafe area	Level of people, skills, knowledge, \$ applied to sunsafe area	Level of people, skills, knowledge, \$ applied to sunsafe area			

		Example Research Initia	ative Objective: Reduce the effect	ts of		
	Develo Chain		Time			
	Results Chain	то	T1	T2	T3(+)	
WHY?	7. End Result Describe the overall impact: ultimate goals, social and economic consequences.	Nature of research initiative means limited resources / sample size			Minimized disease Reduced permanent effects from disease	
	6. Practice and Behaviour Change Describe the new practices and behaviour adopted by individuals, groups, and partners over time.	Gaps in knowledge and services (hospital and pre hospital) Lack of practitioners / institutions implementing Protocol Y guidelines Inconsistent access to quality care Lack of innovation in clinical trials	Adoption of basic good practices by key institutions (Protocol Y) Complete Proc X trial 'appropriately'	Adoption of basic good practices by key institutions (Protocol Y) Business case for Proc X 'made' by key influencers Learned journal publishes Proc X results Innovation in clinical trials	Adoption of basic good practices by key institutions (Protocol Y) System changes to routinely do procedure / therapy (Proc X) Policy in place to navigate system for procedure / therapy (Proc X)	
WHAT	5. Knowledge, Attitude, Skill and / or Aspiration Changes Describe the impact on individuals, groups, or partners: knowledge, attitudes, and skills.	Lack of knowledge of clinical studies Lack of compelling evidence (knowledge) re: good practice Need for baseline data Lack of 'definition' of traumatic vs. nontraumatic (barrier to knowledge) Lack of sensitive outcome measures to measure severity Opportunities for involvement of broader range of stakeholders	Increased knowledge of and support for Protocol Y practice guidelines by practitioners and institutions Systematic reviews of Proc X 'validate' approach	 Increased knowledge of and support for Protocol Y practice guidelines by practitioners and institutions Acquire knowledge / verified approaches to alternative trial methods Agreement to publish in learned journal (Proc X) 	Increased knowledge of and support for Protocol Y practice guidelines by practitioners and institutions Understanding and commitment of policymakers to support procedure / therapy Proc X Capacity in key institutions to perform procedure / therapy Proc X Proc X	
WHOM?	4. Reactions Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses.		Positive reaction to Protocol Y guidelines by practitioners and institutions Engage appropriate institutions for systematic reviews of Proc X	 Positive reaction to Protocol Y guidelines by practitioners and institutions Positive reaction / early support for procedure / therapy Proc X from practitioners, institutions, policymakers, stakeholders 	Positive reaction to Protocol Y guidelines by practitioners and institutions Continued support for procedure / therapy (Proc X from practitioners, institutions, policymakers, stakeholders)	
	3. Engagement / Involvement Describe the characteristics of individuals, groups, and partners: numbers, nature	Lack of engagement of primary prevention field Need to engage discovery science fields	Engage researchers, content and 'mechanism' participants	Key group engage in pilot study Proc X Engagement of key institutions, practitioners and policy makers Proc X Engagement of practitioners and institutions in receiving Protocol Y guidelines information	Engagement of key institutions, practitioners and policy makers (Proc X) Engagement of practitioners and institutions in receiving Protocol Y guidelines information	
HOW?	2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer?	 Support for Proc X Support for Protocol Y 	Support study completion (Proc X) Develop publication plan and outreach to journal (Proc X) Promotion of Protocol Y good practice guidelines	 Pilot study for cost-effectiveness Focussed e-scan conducted Define / suggest policy changes to prep Proc X adoption Promotion of Protocol Y good practice guidelines 	Continued support for Proc X Promotion of Protocol Y good practice guidelines	
	1. Inputs Resources used: dollars spent, number and types of staff involved, dedicated time. teve.montague@pmn.net				20	

Workshop

- Consider ornamental pesticides use
- You are the Canadian (or Scottish?) Cancer Society
 - 1. Examine the evidence (sort by row)
 - 2. Consider logical results (establish them over time)
 - 3. Develop 'progress' measures or markers



Worksheet

AREA OF CCS MISSION / OBJECTIVES

		Needs-Results Plan Worksheet			
	Results Chain	T0 [Current Situation/Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]
	7. 'End' Result				
WHY?	Describe the overall trends with regard to the CCS mission and Board Ends.				
	6. Practice and Behaviour Change-∱→				
	Describe the practices and behaviour of individuals, groups, and partners over time.				
WHAT	5. Knowledge, Ability, Skill and / or Aspiration Changes				
BY	Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities.				
	4. Reactions				
WHOM?	Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses.				
	3. Engagement / Involvement				
	Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature of involvement				
	2. Activities / Outputs				
HOW?	Describe the activity: How will it be implemented? What does it offer?				
IIOvv !	1. Inputs / Resources 💃 💲				
	Resources used: dollars spent, number and types of staff involved, dedicated time.				

Consider the Situation for Ornamental Pesticides (to be 'sorted')

- Limited actions taken by the Cancer Society to specify dangerous chemicals in pesticides and / or to suggest appropriate use / banning of key substances
- Growing awareness among some health authorities re: risks in the cosmetic use of certain pesticides
- Scientific link established between certain pesticide chemicals and some cancers
- Some minor engagement of activist groups in the pesticide issue (not specific)
- Limited direct actions to ban chemical pesticides in specific counties...voluntary bans are the norm
- Limited investment of generic (i.e. non specified) human resources and financial resources in the pesticides issue
- Pesticides not considered an important priority (i.e. no response to early information pieces) by many national media and key health advocacy groups



Worksheet

Ornamental Pesticides

		Needs-Results Plan Worksheet				
	Results Chain	T0 [Current Situation/Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]	
WHY?	7. 'End' Result Describe the overall trends with regard to the CCS mission and Board Ends.	•Scientific link established between certain pesticide chemicals and some cancers				
WHAT BY WHOM?	6. Practice and Behaviour Change Describe the practices and behaviour of individuals, groups, and partners over time. 5. Knowledge, Ability, Skill and / or Aspiration Changes Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities. 4. Reactions Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses. 3. Engagement / Involvement Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature	"Limited direct actions to ban chemical pesticides in specific countiesvoluntary bans are the norm "Growing awareness among some health authorities re: risks in the cosmetic use of certain pesticides "Pesticides not considered an important priority (i.e. no response to early information pieces) by many national media and key health advocacy groups "Some minor engagement of activist groups in the pesticide issue (not specific)				
HOW?	of involvement 2. Activities / Outputs Describe the activity: How will it be implemented? What does it offer? 1. Inputs / Resources	Limited actions taken by the Cancer Society to specify dangerous chemicals in pesticides and / or to suggest appropriate use / banning of key substances Limited investment of generic (i.e.				
	Resources used: dollars spent, number and types of staff involved, dedicated time.	non specified) human resources and financial resources in the pesticides issue				



WorksheetOrnamental Pesticides

		Needs-Results Plan Worksheet				
	Results Chain	T0 [Current Situation/Needs]	T1 [Desired]	T2 [Desired]	T3 ⁽⁺⁾ [Desired]	
	7. 'End' Result	 Scientific link established between certain pesticide chemicals and 			■Reduced cancer linked to pesticide chemicals	
WHY?	Describe the overall trends with regard to the CCS mission and Board Ends.	some cancers			·	
	6. Practice and Behaviour Change Describe the practices and behaviour of	Limited direct actions to ban chemical pesticides in specific countiesvoluntary bans are the		■Formal ban on use of chemical pesticides by key counties / regions	Ban on use of chemical pesticides (all) counties / regions	
	individuals, groups, and partners over time.	norm		Increased adoption of healthy behaviours related	 Increased adoption of healthy behaviours related to pesticide 	
WHAT	5. Knowledge, Ability, Skill and / or Aspiration Changes	 Growing awareness among some health authorities re: risks in the cosmetic use of certain pesticides 	Increased understanding and knowledge of the risks in the cosmetic use of certain	to pesticide use (precautionary approach) •Increased understanding	use (precautionary approach) Strong consensus re: the risks of the cosmetic use of certain	
	Describe the level of knowledge, abilities, skills and aspirations / commitment of individuals, groups, and/or communities.		pesticides among health authorities	and knowledge of (and consensus regarding) the risks in the cosmetic use of	pesticides among health authorities	
BY	4			certain pesticides among health authorities		
	4. Reactions	■Pesticides not considered an important priority (i.e. no response	■Pick-up of pesticides messaging by media and key	Increased pick-up of pesticides messaging by	■Increased pick-up of pesticides messaging by media and clear	
WHOM?	Describe feedback from individuals, groups, and partners: satisfaction, interest, reported strengths and weaknesses.	to early information pieces) by many national media and key health advocacy groups	health advocacy groups	media and key health advocacy groups	priority consideration by key health advocacy groups	
	3. Engagement / Involvement	Some minor engagement of activist groups in the pesticide issue (not	■Involvement of health advocacy groups	Involvement of health advocacy groups and	■Involvement of health advocacy groups and	
	Describe the characteristics of individuals, groups, and co-deliverers: numbers, nature of involvement	specific)		government officials Broader public engagement in issue	government officials Broader public engagement in issue	
	2. Activities / Outputs	Limited actions taken by the Cancer Society to specify dangerous	■Provide information / communication re: dangerous	■Provide information / communication re:	■Provide information / communication of dangerous	
HOW?	Describe the activity: How will it be implemented? What does it offer?	chemicals in pesticides and / or to suggest appropriate use / banning of key substances	chemicals in pesticides to target groups Suggest appropriate use and cosmetic use ban of key	dangerous chemicals in pesticides to target groups Suggest (cosmetic pesticide ban) policy to	chemicals in pesticides to target groups •Promote banning of key chemical pesticides substances	
	1. Inputs / Resources 🕺 💲	 Limited investment of generic (i.e. non specified) human resources and 	 substances to target groups Increase human and financial resources in the pesticides 	target groups ■Increase human and financial resources in the	Increase human and financial resources in the pesticides issue	
	Resources used: dollars spent, number and types of staff involved, dedicated time.	financial resources in the pesticides issue	issue area	pesticides issue area	area	

Ornamental Pesticides

			Ornamental Pe	esticiaes		
		RESULTS CHAIN PLA	N		PROGRESS MEASUREMENT STRATEGY	
	T0 [Current Situation/Needs]	T1 [Desired]	T2 [Desired]	T3 [Desired]	Indicators	Data Source
7. 'Ultimate' Result/End	•Scientific link established between certain pesticide chemicals and some cancers			•Reduced cancer linked to pesticide chemicals	■Cancer incidence rates	•Annual Canadian Cancer Statistics
6. Practice and Behaviour Change	•Limited direct actions to ban chemical pesticides in specific countiesvoluntary bans are the norm		■Formal ban on use of chemical pesticides by key counties / regions ■Increased adoption of healthy behaviours related to pesticide use (precautionary approach)	■Ban on use of chemical pesticides (all) counties / regions ■Increased adoption of healthy behaviours related to pesticide use (precautionary approach)	■Increase # of municipal bylaws and legislation passed (banning use) ■Decrease in non-essential use by general public	Environmental scan of existing external data sources Self reported use
5. Knowledge, Attitude, Skill and/or Aspiration Changes	•Growing awareness among some health authorities re: risks in the cosmetic use of certain pesticides	•Increased understanding and knowledge of the risks in the cosmetic use of certain pesticides among health authorities	•Increased understanding and knowledge of (and consensus regarding) the risks in the cosmetic use of certain pesticides among health authorities	•Strong consensus re: the risks of the cosmetic use of certain pesticides among health authorities	Level of increase in general public knowledge of health authorities committed to (cosmetic ban) policy	Market research Survey' of health authorities
4. Reactions	■Pesticides not considered an important priority (i.e. no response to early information pieces) by many national media and key health advocacy groups	■Pick-up of pesticides messaging by media and key health advocacy groups	•Increased pick-up of pesticides messaging by media and key health advocacy groups	•Increased pick-up of pesticides messaging by media and clear priority consideration by key health advocacy groups	Level of media attention Attendance at community fora # requests for meetings and briefings from government officials # requests for CCS presentations and displays	Media tracking service Prevention Strategy Reporting Template
3. Engagement / Involvement	•Some minor engagement of activist groups in the pesticide issue (not specific)	Involvement of health advocacy groups	■Involvement of health advocacy groups and government officials ■Broader public engagement in issue	■Involvement of health advocacy groups and government officials ■Broader public engagement in issue	## meetings & briefings with government officials # partnerships and collaborations ## website visits ## Cancer Information Service pesticide inquiries ## communities holding public forums	■Prevention Strategy Reporting Template ■Agreement records ■Web usage statistics ■Cancer Information Service usage statistics
2. Activities / Outputs	■Limited actions taken by the Cancer Society to specify dangerous chemicals in pesticides and / or to suggest appropriate use / banning of key substances	■Provide information / communication re: dangerous chemicals in pesticides to target groups ■Suggest appropriate use and cosmetic use ban of key substances to target groups	■Provide information / communication re: dangerous chemicals in pesticides to target groups ■Suggest (cosmetic pesticide ban) policy to target groups	■Provide information / communication of dangerous chemicals in pesticides to target groups ■Promote banning of key chemical pesticides substances to target groups	## education workshops/sessions given to staff and volunteers ## presentations provided to general public ## displays ## prevention Forum held Municipal health official and Government official breakfasts attended	■Prevention Strategy Reporting Template
1. Inputs / Resources	•Limited investment of generic (i.e. non specified) human resources and financial resources in the pesticides issue	■Increase human and financial resources in the pesticides issue area	■Increase human and financial resources in the pesticides issue area	■Increase human and financial resources in the pesticides issue area	■FTEs ■\$ spent	•HR records •Financial statements

Group Observations

- How did this demonstration go?
- Did we use both deductive and inductive reasoning?
- Can we see the opportunity for learning and adjustment?
- Are progress measures easily derived from this plan?
- Could you see this working in your circumstances?

Conclusions

- Theory-driven evaluation does not have to remain 'theoretical'
- Practical structure and common language can help
- The structured contribution analysis approach addresses theory, complexity and practicality (and it is 'scalable')
- Hands-on approach a must for this 'generative' methodology

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