

Conceptual framework for development of food security indicators

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Overview

- 1. Background
- 2. Rationale for FS indicator framework
- 3. FS indicator framework
- 4. Process to date and next steps
- 5. Final Thoughts





Purpose of Framework

- Foundation for indicator set;
- Rationale for indicator selection;
- Illustrate causal relationships
 & interconnectedness;
- Identify how and where food security can be assessed and influenced.





Food Security Indicator Framework

Food Security Elements	Determinant Indicators: National/ Provincial Why?	Current State Indicators What?	Impact Indicators Now what?	Response Indicators So what?
1. Individual and household food insecurity 2. Food systems i. Resilient (people & structure) ii. Health promoting iii. Environmentally sustainable (ecosystem health) iv. Safe				
3. Food Security Capacity i. Social cohesion & participation ii. Skills & knowledge iii. Resources				

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Framework development

Phase 1

Development of model

Phase 2

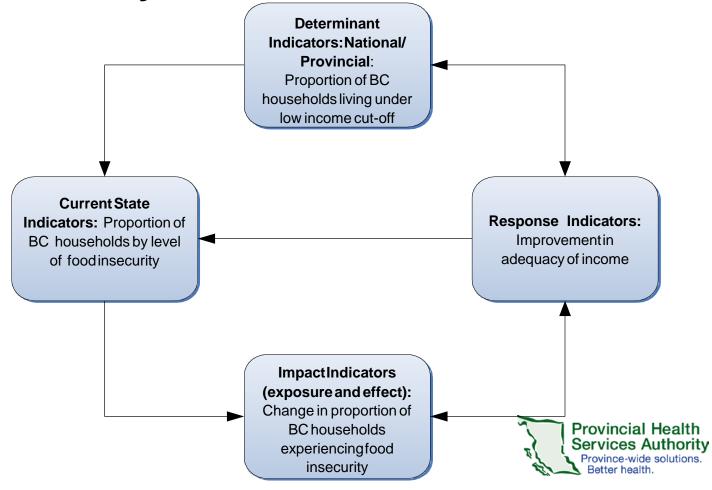
Consultation with PHSA/ BCCDC staff Modifications & summary report

Phase 3

- A. Solicited internal and external feedback
 - i) Health Authority Food Security Committee members (8)
 - ii) External consultations (6)
- B. Second round internal consultation re FS Elements Modifications



Example: Individual and Household Food Insecurity Causal Network



FS Indicator Framework: Sample Indicators

Food Security Elements	Determinant Indicators: National/ Provincial Why?	Current State Indicators What?	Impact Indicators Now what?	Response Indicators So what?
1. Individual and household food insecurity	Sample Indicator: Proportion of BC households living under low income cut-off	Sample Indicator: Proportion of BC households by level of food insecurity	Change in proportion of BC households experiencing food insecurity	Improvement in adequacy of income
2. Food systems i. Resilient (people & structure) ii. Health promoting iii. Environmentally sustainable (ecosystem health) iv. Safe				
3. Food Security Capacity i. Social cohesion & participation ii. Skills & knowledge iii. Resources	Sample Indicator iii: # provincial/ regional/ local organizations funding FS initiatives	Sample Indicator iii: # provincial/ regional/ local FS grants	Sample Indicator iii: # provincial/ regional/ local initiatives receiving grants	Sample Indicator iii: Initiatives directed at funders to promote FS issues

Next steps

- Iterative refinement
- Development of indicators
- Possibility of broader use in BC & beyond



Final Thoughts

Conceptual framework can help to:

- Highlight the causal relationship between the different categories of indicators and between human and environmental health;
- Provide clarity about where and how attempting to assess, influence and monitor food security.

Literature Scan

- Databases: Web of Science; Environmental Sciences and Pollution Management; PubMed; Cinahl; CAB Direct; Science.gov; AGRIS.
- Terms searched related to: conceptual frameworks AND indicators AND food security
- Filtered: 1995-2016; Global North + Manual screening
- 11 relevant articles initially found; increased to 20 with articles from reference lists + "google scholar"
- 30+ reports and articles reviewed through key informant discussion

Environmental Health Indicator Frameworks

