

Dynamic Case Studies: Interactive and Evolving Cancer Control Case Studies

Presented by:

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Overview

Objective: Improve access to context-sensitive information for decision makers.

- 1) Background
- 2) Development of DCS
- 3) Next steps

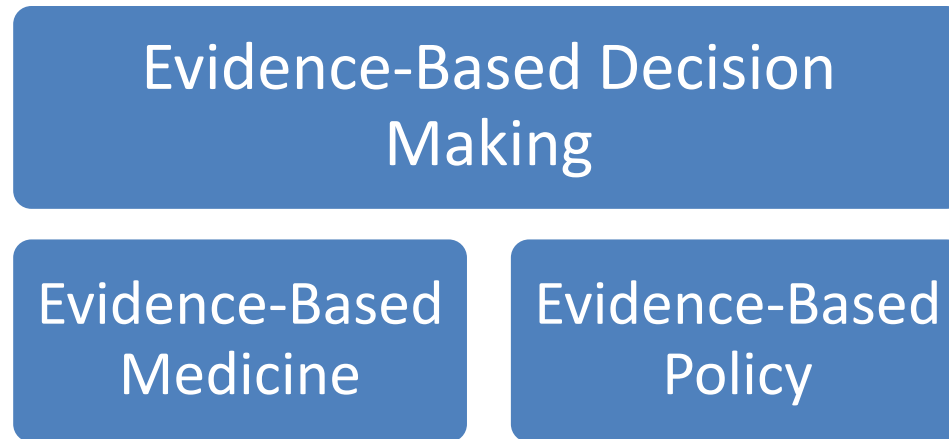
Background

Knowledge Translation:

“A dynamic and iterative process that includes synthesis, dissemination, exchange and ethically-sound application of knowledge to improve [health], provide more effective health services and products and strengthen the health care system” -CIHR



Background



Evidence-based medicine:

“conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients”

-Sackett et al. (1996)

Background

Evidence-Based Medicine

Clinical decisions based on
context of

Individual Patient

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Evidence-Based Policy

Policy decisions based on
context of

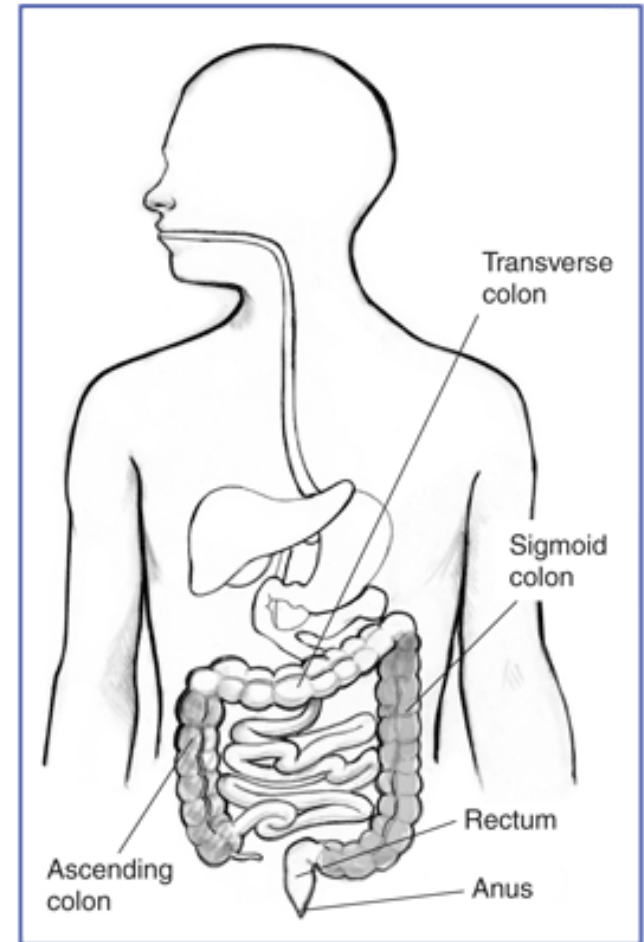
Whole System

Example: Flexible Sigmoidoscopy

Should flexible sigmoidoscopy be used to screen for colorectal cancer?

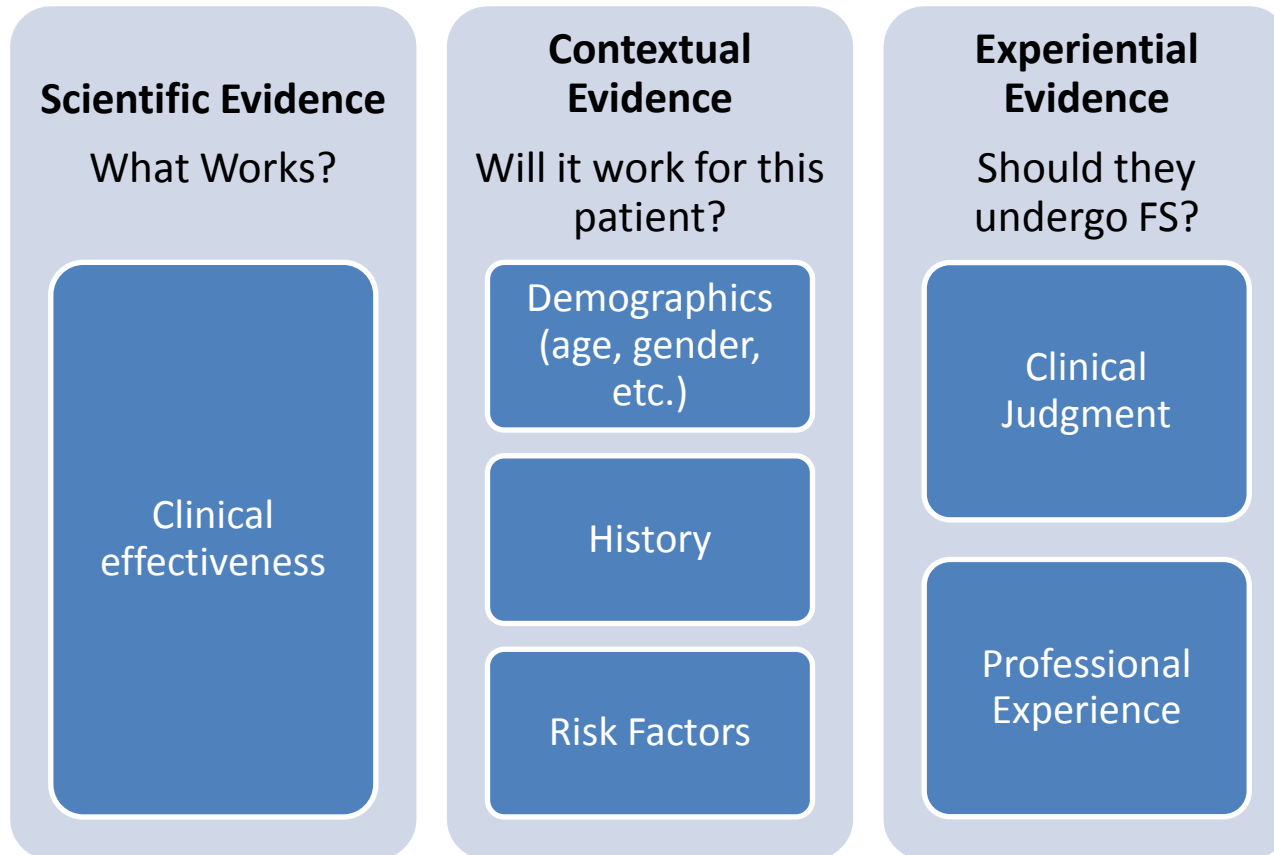
Flexible Sigmoidoscopy

- Procedure to examine the lower part of the large intestine (i.e. the sigmoid colon)
- May be used for cancer screening



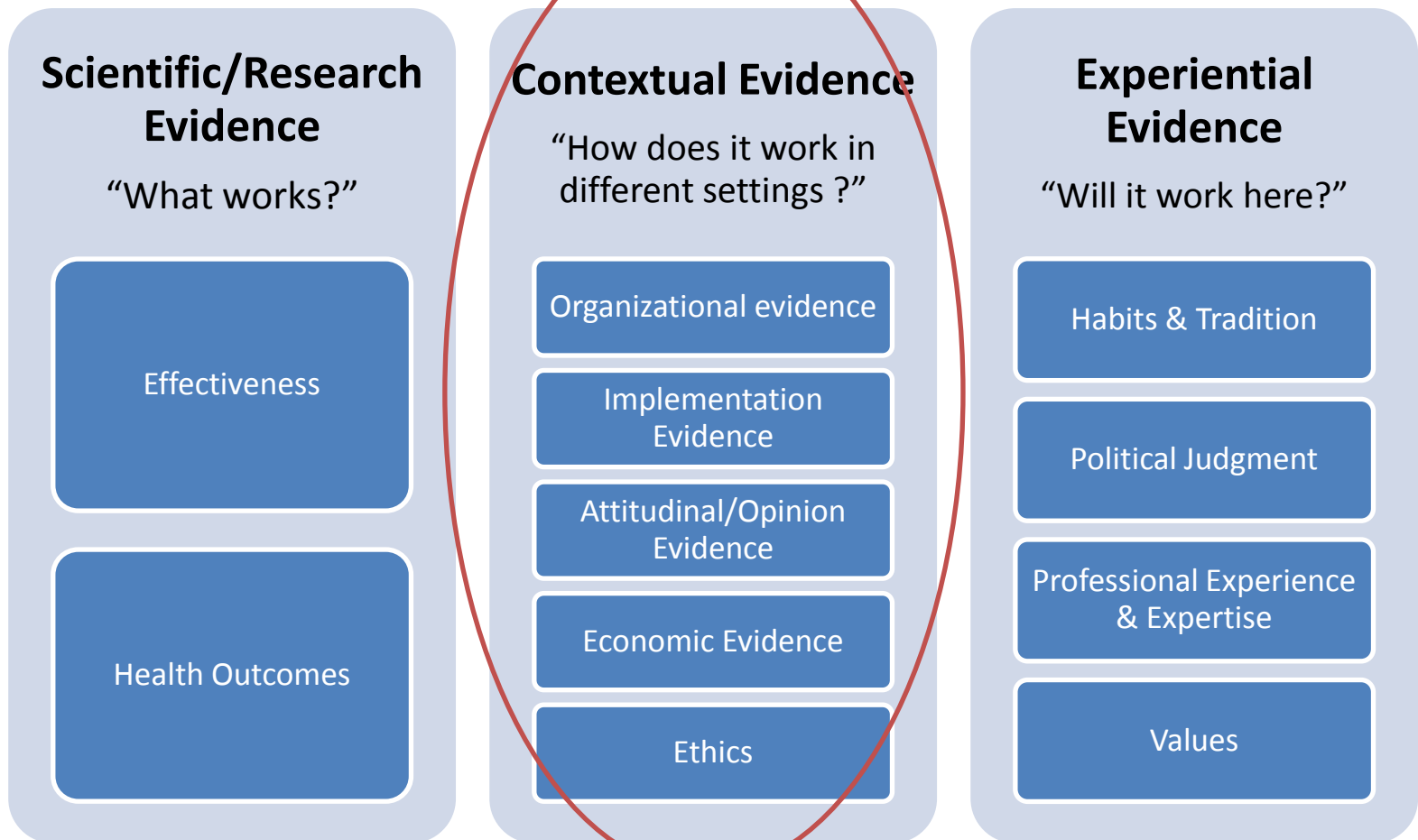
Flexible Sigmoidoscopy

Evidence-Based Medicine: Should patient X be screened for colorectal cancer using Flexible Sigmoidoscopy?

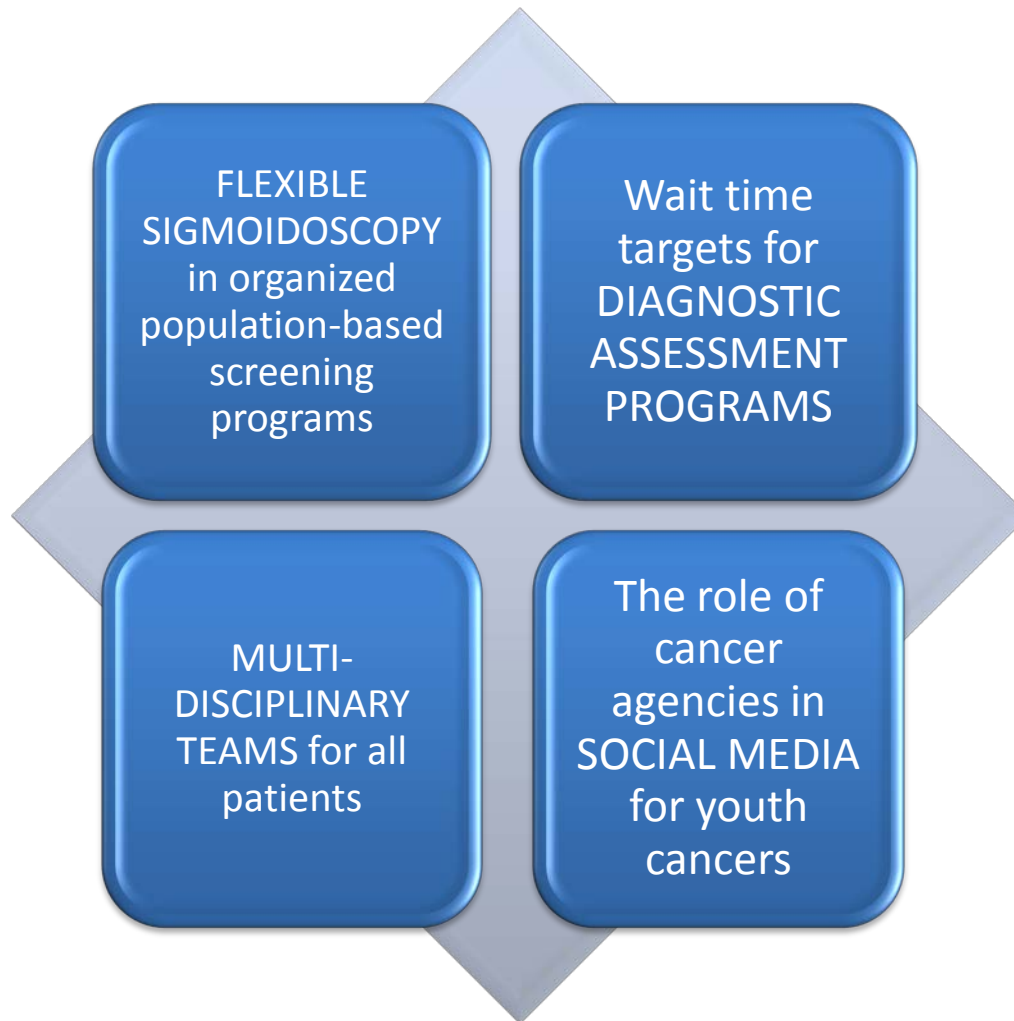


Flexible Sigmoidoscopy

Evidence-Based Policy: Should FS be used to screen for CRC in organized population-based screening programs?



Step #1: Topic Selection



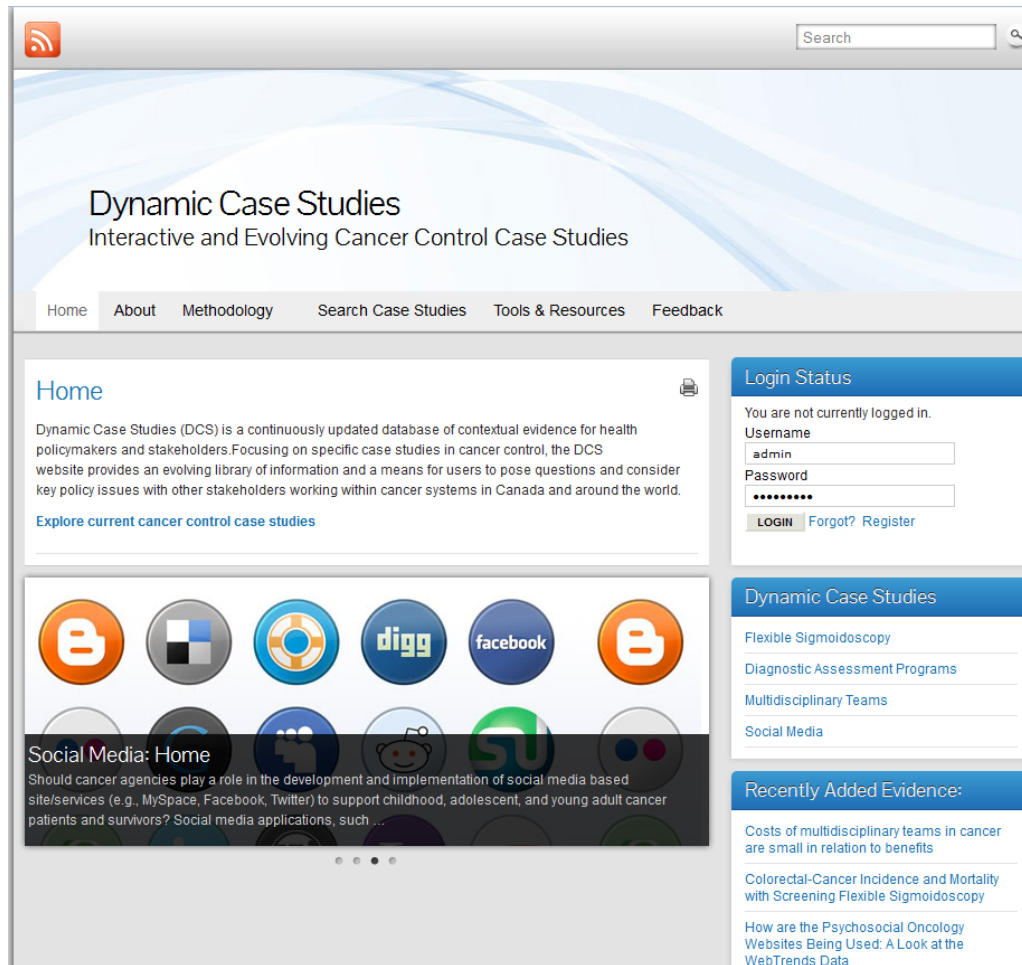
Step #2: Search for contextual evidence

- Suggestions from topic ‘Leads’
 - Original documents
 - Other experts
- Grey-literature searches
 - Cancer agency websites
 - Government websites
 - NGO websites
 - Grey-literature databases
 - News articles

Step #3: Categorize and summarize

- Document ‘type’
- Context-sensitive evidence ‘type’
- Descriptive overview

Step #4: Develop prototype website





Dynamic Case Studies

Interactive and Evolving Cancer Control Case Studies

- Home
- About
- Methodology
- Search Case Studies
- Tools & Resources
- Feedback

[↑ Return to Dynamic Case Studies](#)

Flexible Sigmoidoscopy: Home

Should flexible sigmoidoscopy be integrated into organized population-based colorectal cancer screening programs?

A recent UK randomized controlled trial indicated that flexible sigmoidoscopy can help prevent the incidence of colorectal cancer, the second leading cause of cancer death in Canada. This is one of four international trials currently underway. More effective than a fecal occult blood test and less expensive than a colonoscopy, these results may lead to a reexamination of the colorectal cancer screening programs in Canada. In Ontario, a pilot project on nurse-led flexible sigmoidoscopy has trained nurses to provide the procedure. Information on best practices, issues encountered, contact information of the pilot project leads, media coverage and other evaluations of this procedure will be of interest to cancer screening policy decision-makers and cancer policy researchers, and help to guide future decisions. Evidence from other jurisdictions contemplating these same issues will also increase the level of knowledge exchange.

[Search for Evidence](#)

[Suggest a Resource](#)

[External Resources](#)

[Discussion Forum](#)

Dynamic Case Studies

[Flexible Sigmoidoscopy](#)

[Diagnostic Assessment Programs](#)

[Multidisciplinary Teams](#)

[Social Media](#)

The image shows a screenshot of the 'Dynamic Case Studies' website. The main header features the title 'Dynamic Case Studies' and the subtitle 'Interactive and Evolving Cancer Control Case Studies'. Below the header is a navigation menu with links for 'Home', 'About', 'Methodology', 'Search Case Studies', 'Tools & Resources', and 'Feedback'. The main content area displays a case study titled 'Flexible Sigmoidoscopy: Home' with the question 'Should flexible sigmoidoscopy be integrated into organized population-based colorectal cancer screening programs?'. A callout box with a black border highlights four green buttons: 'Search for Evidence', 'Suggest a Resource', 'External Resources', and 'Discussion Forum'. A sidebar on the right lists 'Dynamic Case Studies' with sub-links for 'Flexible Sigmoidoscopy', 'Diagnostic Assessment Programs', 'Multidisciplinary Teams', and 'Social Media'. At the bottom of the page, there are additional 'External Resources' and 'Discussion Forum' buttons.

Next Steps: Evaluation

1) Phase I (Usability)

- 1) Cognitive Walkthroughs
- 2) Refine design, presentation of evidence, and categorization

2) Phase II (Usage & Utility)

- 1) Usage (for what purpose is it used)
- 2) Utility (what is useful /not useful)
- 3) How we can improve

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Thank You!

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Dynamiccasestudies.org

Flexible Sigmoidoscopy

Features	NORCCAP	U.K. FS	SCORE	PLCO
Country	Norway	U.K.	Italy	U.S.
Study arms	1. FS 2. FS & FIT 3. No Screening	1. FS 2. No Screening	1. FS 2. No Screening	1. FS 2. No Screening
Mortality Reduction		31%	26%	
Incidence reduction		23%	21%	