

Implementing GRADE in a Canadian Health Authority

8th International Conference of EBHC Teachers & Developers ■

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Location: Taormina, Sicily



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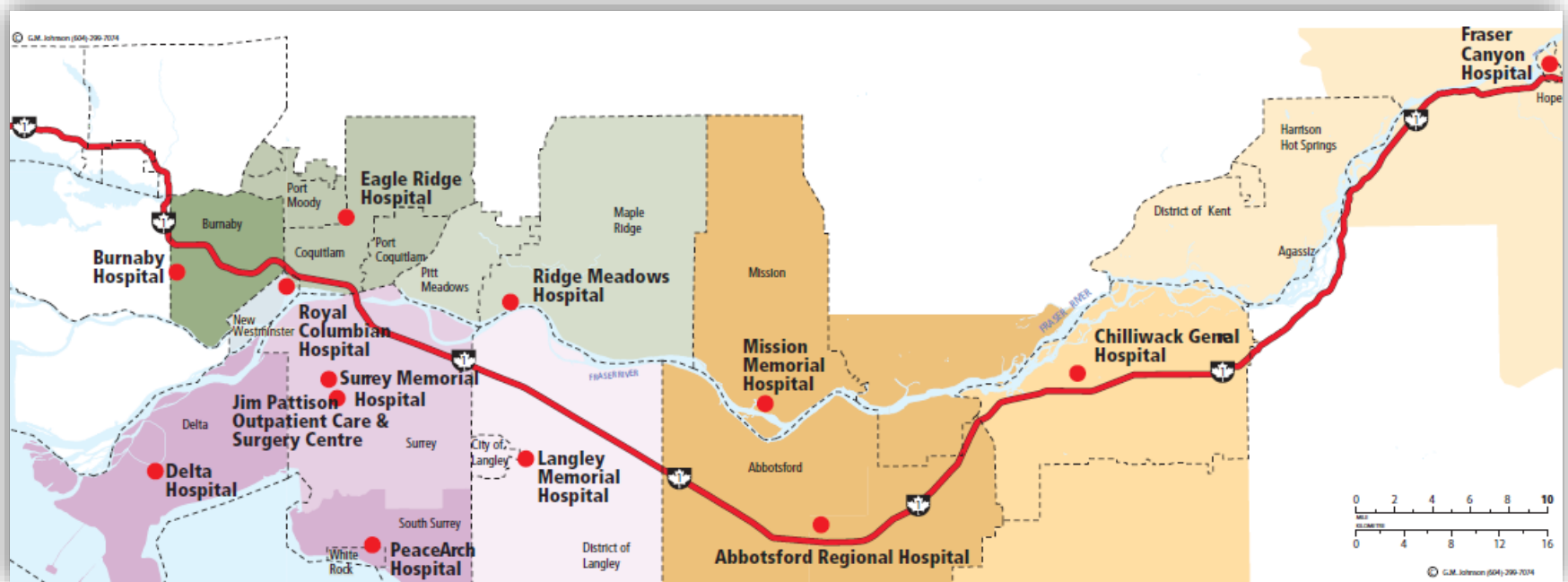
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Background: Who We Are

- Publicly funded
- 1.7 Million population
- 22,000 employees
- 2,500 physicians



- 12 Hospitals
- 7,760 Residential Care beds
- Community Services: Public Health, Home Care, and Mental Health



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Background: Choosing GRADE

Need

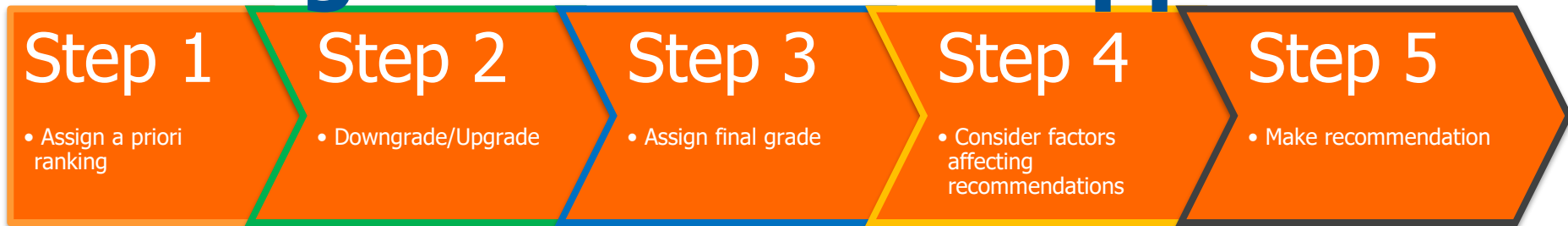
- Evidence-based research for Clinical Decision Support Tool (CDST) development
- Standardized & rigorous process to determine quality of evidence

Choice

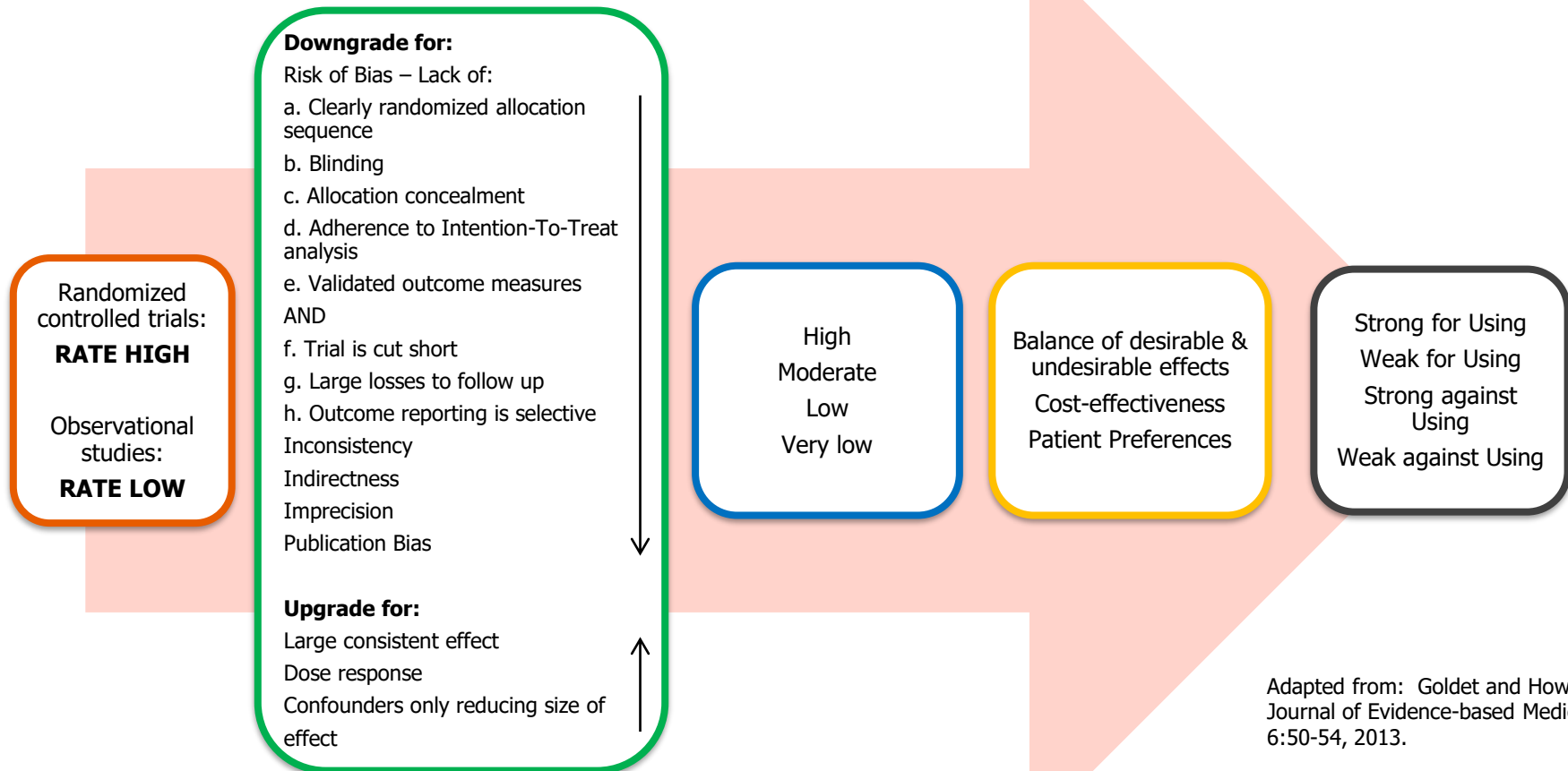
GRADE (The Grading of Recommendations Assessment, Development and Evaluation)
Canadian Agency for Drugs and Technology (CADTH)
Quality Assessment Tools Project Report 2012



Background: GRADE Approach



Repeat Steps 1 to 3 for each critical outcome of interest



Adapted from: Goldet and Howick, Journal of Evidence-based Medicine, 6:50-54, 2013.

Aims: Case Study Analysis

Identifying Need

1. Gaining Fraser Health Executive support
2. Piloting GRADE

Partnering with Fraser Health Library & CADTH

1. Fraser Health develops PICO questions and hands off to CADTH
2. CADTH conducts literature searches

Implementing GRADE

1. The CDST policy
2. The GRADE algorithm
3. Educating inter-professional work teams

Evaluating GRADE usage

1. The Survey
2. Results



Methods

Applying Policy Analysis Frameworks

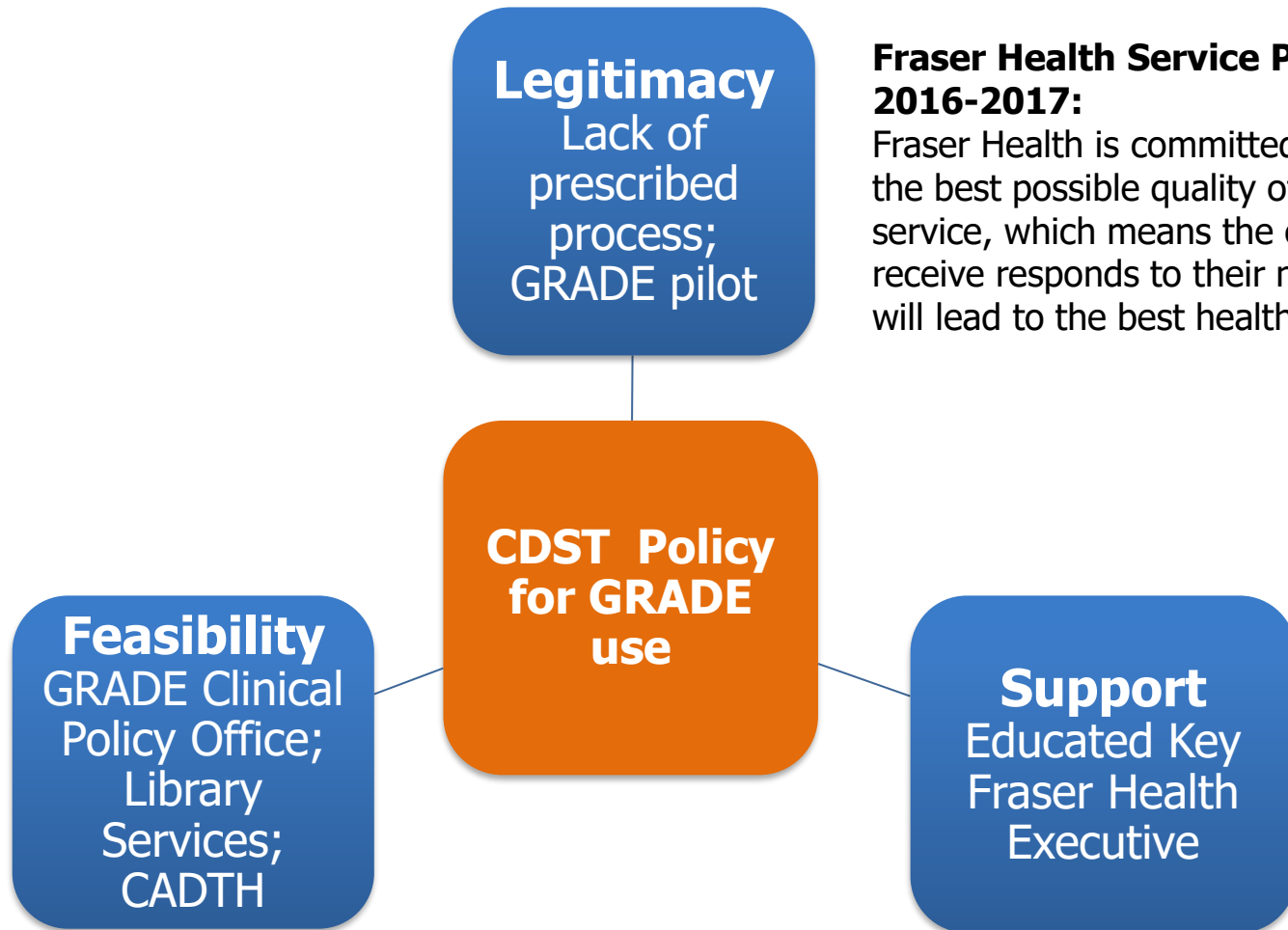
- **The 'Case for Change'**
 - Legitimacy, Feasibility, Support
- **Sustaining Change**
 - ADKAR for Change Management (Awareness, Desire, Knowledge, Ability & Reinforcement)

Conducting Formative Evaluation

- The Survey
- CDST development process
- Use of GRADE data collection tool



Results: The 'Case for Change'



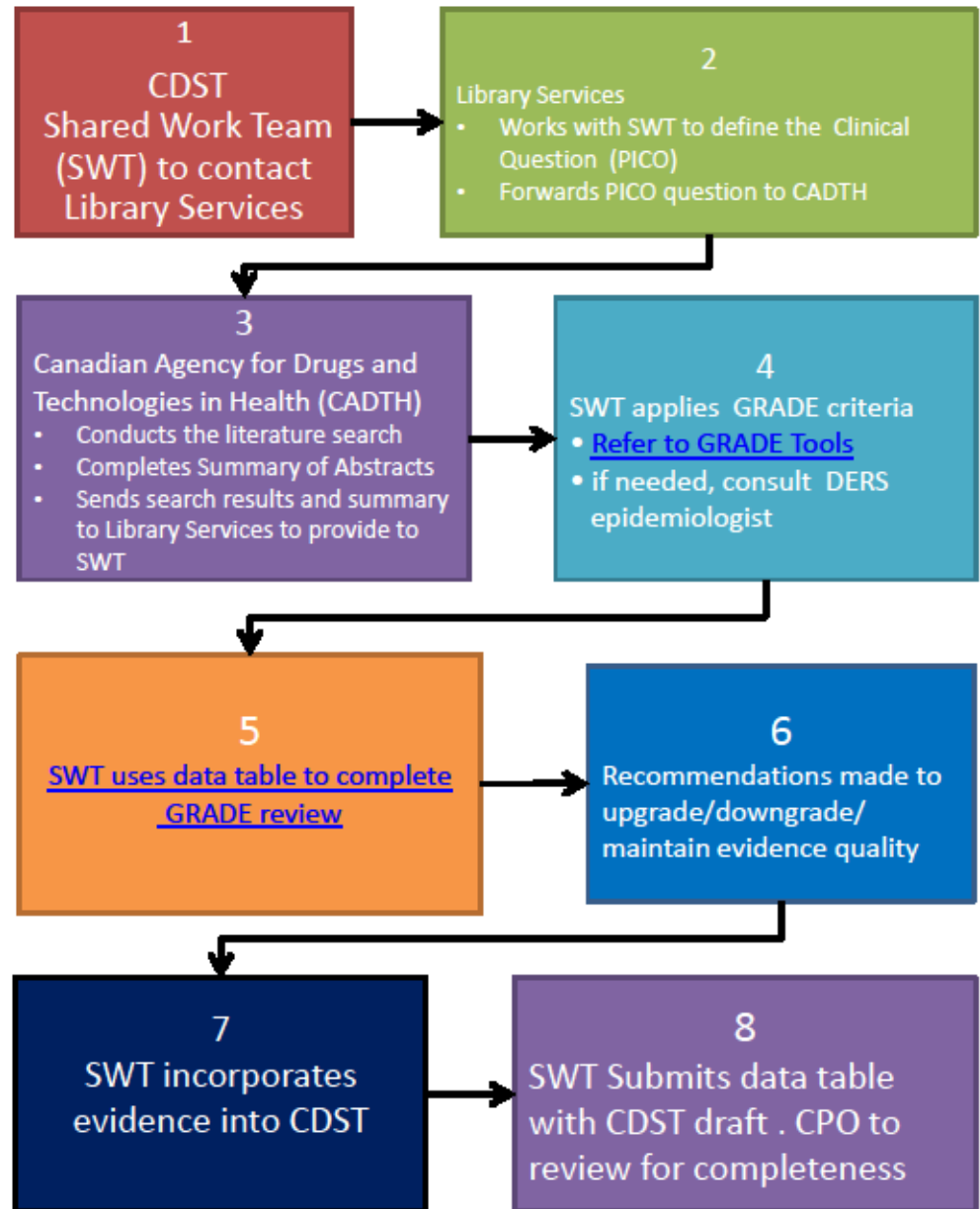
Fraser Health Service Plan 2016-2017:

Fraser Health is committed to providing the best possible quality of care and service, which means the care people receive responds to their needs and will lead to the best health outcomes.

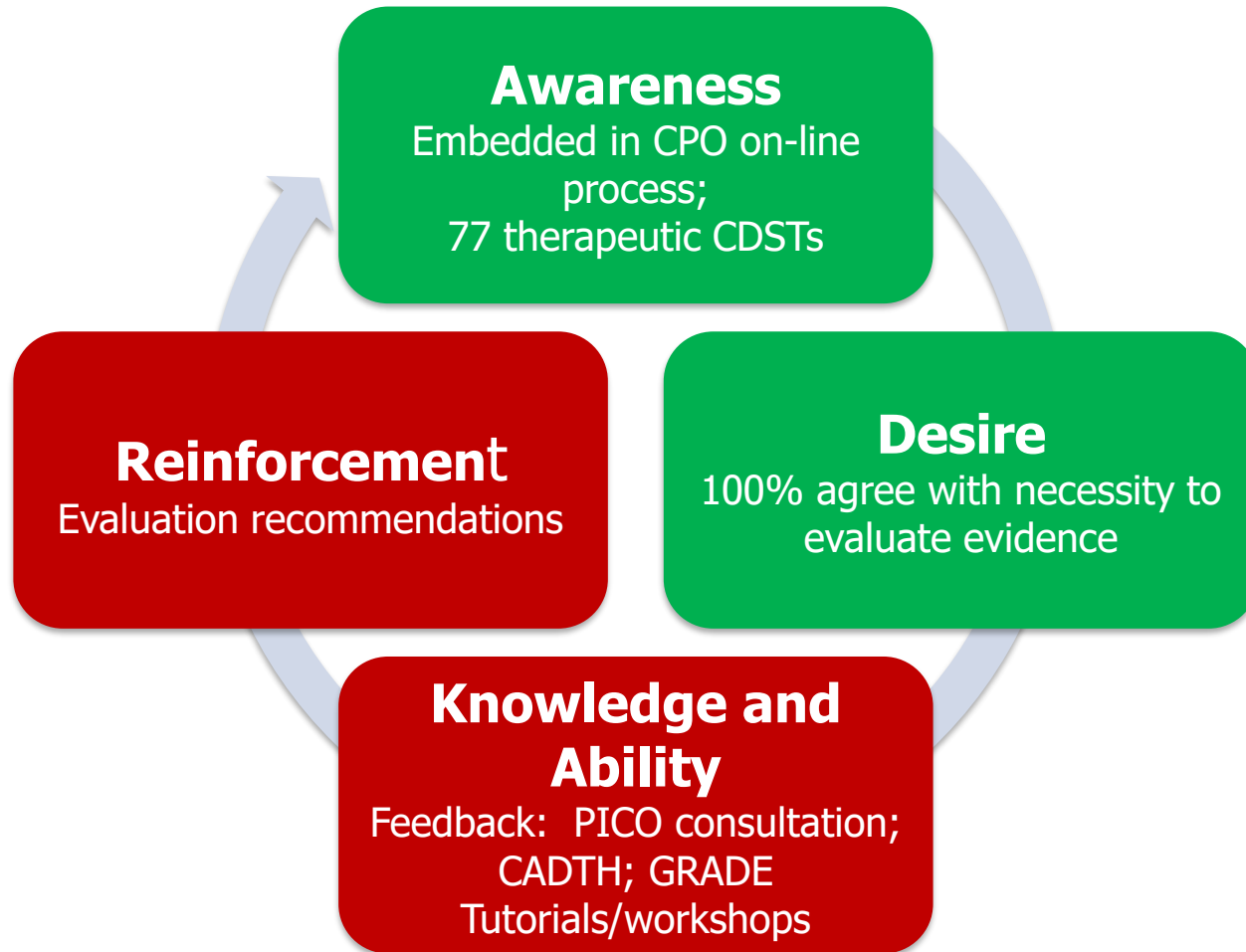


Results: Sustaining Change

GRADE ALGORITHM

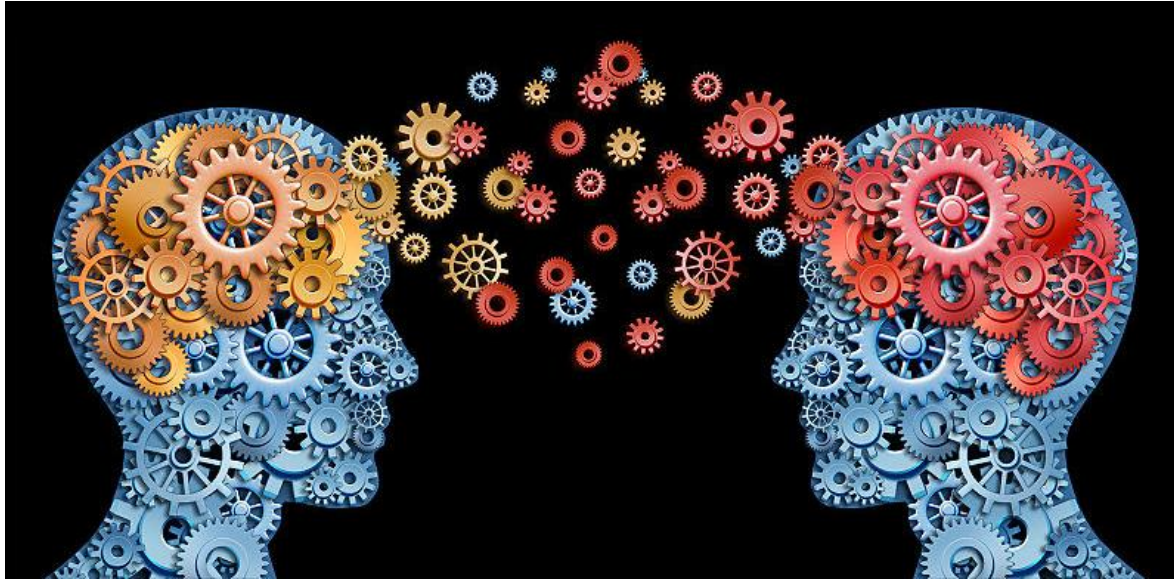


Results: Sustaining Change



Other Results

“Return on Investment”



Benefits beyond Fraser Health:

All literature search results posted as open access on CADTH website



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Limits

- Evaluation design limited to survey because of time and resource restrictions
- # of evaluation survey respondents low; only 53% had applied GRADE
- Effect of respondent memory & organizational demands on survey respondents' replies



Bottom Line

Were professional behaviours changed?

- Increased appreciation of GRADE's value for RCTs/observational research
- Increased appreciation of need to use a systematic approach for evaluation of evidence rather than clinical judgement

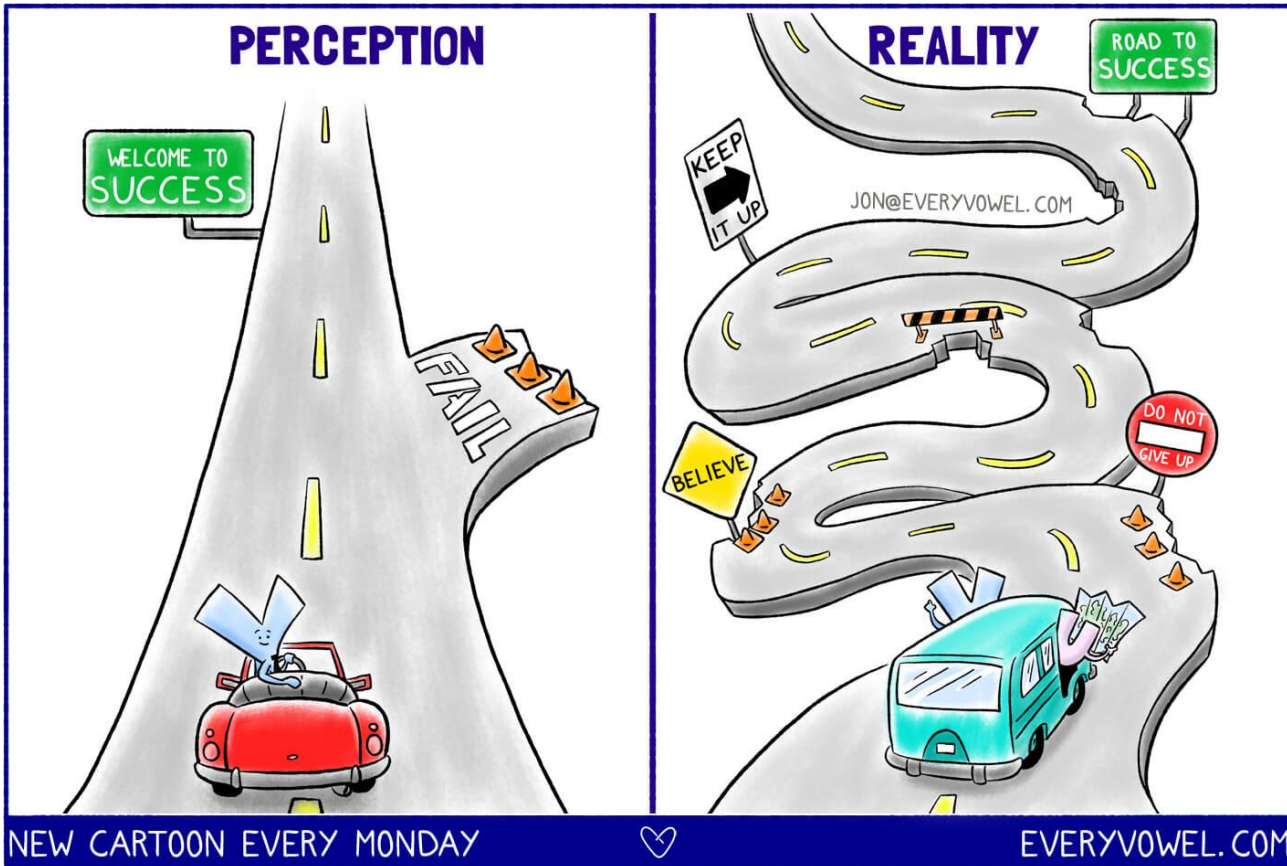
What were the obstacles?

- Lack of clear communication re applicability
- Lack of time to learn GRADE
- Lack of staff with trained expertise to teach GRADE

What mitigation strategies?

- Revised Algorithm
- One to one tutorials
- Potential Fraser Health policy





Thank You!



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