

Evidence in Context

Health research —
synthesized & contextualized for
use in Newfoundland & Labrador.

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Age-Friendly Acute Care in Newfoundland & Labrador

Belinda Parks, Stephen Bornstein, Robert Kean, Megan MacKinnon, Karen McGinnis

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Hyperbaric Oxygen Therapy for Difficult Wound Healing in Newfoundland & Labrador

Paula Norcini, Stephen Bornstein

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Options for the Development of a PET/CT Program in NL

Robert NACABE's
Contextualized Health
Research Synthesis
Program

The Newfoundland and Labrador
Centre for Applied Health Research
is a unique research center
dedicated to the synthesis and
contextualization of health research
for use in Newfoundland and Labrador.

These issues are the first of
three issues in the Contextualized
Health Research Synthesis
Program (CHSRP).

CHSRP provides the findings of
systematic reviews and health
research synthesized for use in
Newfoundland and Labrador.

The research team has
been selected to conduct a
systematic review of the
effectiveness of hyperbaric
oxygen therapy for wound
healing in Newfoundland and
Labrador.

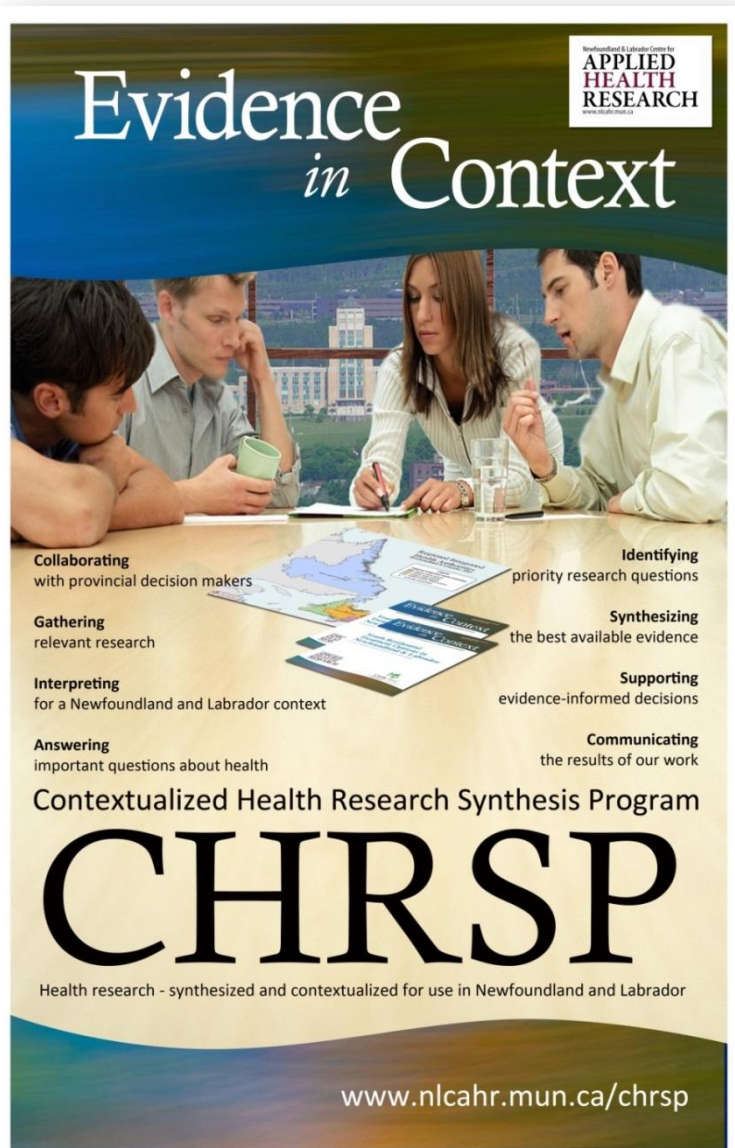
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CHRSRSP:

Supporting evidence- informed decision making in NL

CADTH Hospital/Regional HTA Symposium: Case Studies
November 2013 | Dr. Stephen Bornstein, Director
NL Centre for Applied Health Research

Newfoundland and Labrador Centre for Applied Health Research
www.nlcahr.mun.ca/chrsp



CHRSP:

Contextualized
Health
Research
Synthesis
Program



Features

A unique approach to decision support in NL

- Scope: the province
- Subjects: HTA broadly conceived
- Meta-Review Methodology
- Full engagement of stakeholders
- Contextualization is the key



Background

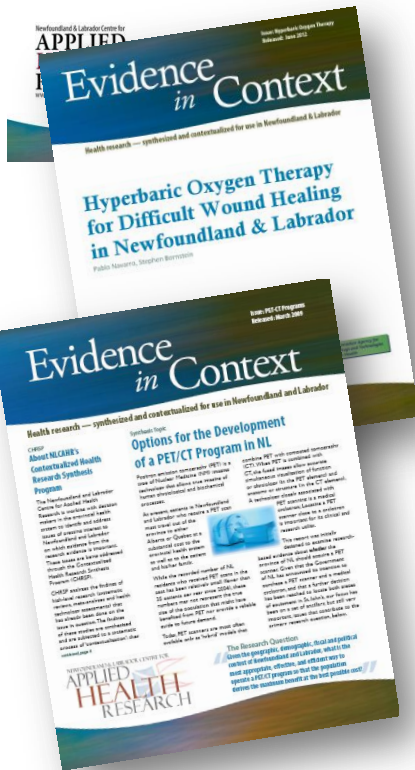
- CCOTHA-funded executive training program in use of HTA reports produced a consensus:
 - Context is crucial; we should do our own HTA
 - We can't; so let's synthesize other HTAs and contextualize them
- Add a methodological insight from Manitoba CHP
- The result? CHRSP

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Age-Friendly Acute Care in Newfoundland & Labrador

Belinda Parke, Stephen Bornstein, Robert Kwan, Meagan MacKenzie, Karen McGrath



Integrated KTE

Western
Health

DHCS

NLCAHR

Eastern
Health

Labrador
Grenfell
Health

Central
Health

Contextualization

CHRSP identifies contextual factors.

CHRSP tailors its syntheses to the **context** of Newfoundland & Labrador **at all stages of the project**

CHRSP interprets findings in context.

Contextual factors effect health outcomes and/or cost effectiveness:



Patient populations



Other System Factors



Site of service and/or the service design,



Economics



Health human resources



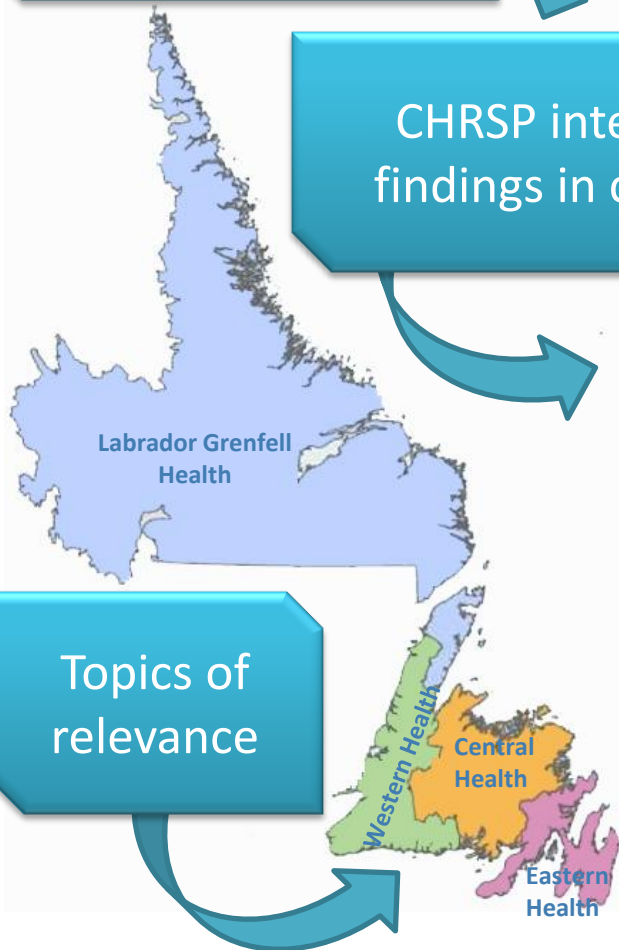
Politics



Organization and delivery of services

More about context here:
www.nlcahr.mun.ca/research/chrsp/

Topics of relevance

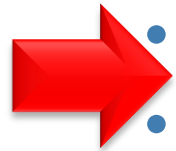




CHRSP in a nutshell

- Ongoing, structured partnership at peak level
- **Iterative** process of topic development/ selection
- Literature search and **specialist-led** synthesis
- Specialized teams for each project
- Timing
- New **accelerated** version (*Rapid Evidence Reports*)

CHRSR Projects 2008-2013



- Developing a PET/CT program in NL
- Reprocessing/reuse of single-use medical devices
- Dialysis services in rural and remote NL
- How to prevent/treat childhood overweight and obesity in NL
- Youth residential treatment options in NL
- Hyperbaric oxygen therapy for problem wounds
- Telehealth for specialist consultations in cardiology and dermatology
- Inter-professional care for chronic disease management
- Age-friendly acute care
- Community-based service models for seniors
- Mobile mental health units for Western Health (RER)
- Safe patient handling for Eastern Health (RER)

CHRSP Projects Pending

Currently in progress:

- Point-of-Care Testing -EIC
- Falls Prevention for seniors in LTC/acute care settings- EIC
- Flu Vaccination for healthcare workers -RER

Other projects identified in 2013 Topic Selection:

- Effectiveness of short-term health promotion strategies - RER
- Outpatient chronic disease services –RER
- Diabetes screening
- Managing aggression in dementia patients

PET CT

Given the geographic, demographic, fiscal and political context of Newfoundland and Labrador, what is the most appropriate, effective, and efficient way to operate a PET/CT program so that the population derives the maximum benefit at the best possible cost?

Audience	Deputy Minister of Health and the CEOs of the province's four RHAs Committee at Eastern Health
Issues	Additional costs required Location and use of scanner
Considerations	Could a PET scanner operate effectively without a local cyclotron?
Decisions	Require PET scanner and cyclotron Doubling the costs Significant staffing and training requirements Report consulted in committee deliberations towards the acquisition and implementation of a scanning program

Single-Use Medical Devices

What does the best currently available scientific evidence say about the effectiveness, safety, and potential economic benefits of reusing certain reprocessed single-use devices (SUDs)?

Audience	Deputy Minister of Health and the CEOs of the province's four RHAs Senior decision makers in NL health system
Issues	Safety-- do reprocessed devices increase risk of infection or breakdown? Costs -- reprocessing and reusing single-use devices was seen as having the potential of saving money as compared to purchasing new devices.
Considerations	What formal policies were in place in NL institutions? What procedures were actually being practiced? What did the evidence said about safety and reliability of single-use devices?
Decisions	Some NL health authorities did not have a formal policy in place and, in others, actual practice differed from formal policy forbidding reprocessing and reuse; the evidence in the AETMIS report was clear and straightforward; the result was the adoption of a formal no-reuse policy in the RHA that had no policy and, supposedly, a shift in practice across the province towards no-reuse.

Does CHRSP Really Work?

- topic selection complex but workable
- contextualization is feasible and essential for interest and uptake
- teams work well together
- results can be produced fairly quickly
- results have actually been used:
 - Considerations for development of PET-CT
 - Single-use Medical Devices policy
 - Dialysis decision template
 - Patient handling protocols in Eastern Health



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