Health Technology Expert Review Panel

DEVELOPING RECOMMENDATIONS ON THE OPTIMAL USE OF MEDICAL DEVICES, DIAGNOSTIC TESTS AND PROCEDURES

CADTH SYMPOSIUM
APRIL 25 2017
CADTH Products & Services

1. Drug Reimbursement Recommendations
   - CDR
   - pCODR
2. Health Technology Management
3. Scientific Advice
   - Submission Fees
CADTH HTM Products

Health Technology Management Products

- Health Technology Assessment without Recommendations (HTA)
- Rapid Response Reports (Levels 1, 1.5, 2, 2.5, 3)
- Environmental Scans
- Horizon Scans
- Optimal Use
CADTH Governance Structure

F/P/T Conference of Deputy Ministers of Health

CADTH Board of Directors

Expert
- Canadian Drug Expert Committee (CDEC)
- pCODR Expert Review Committee (pERC)
- Health Technology Expert Review Panel (HTERP)

Jurisdictional
- Drug Policy Advisory Committee (DPAC)
HTERP

- Core (n=7) and Expert membership
- Core (including chair):
  - Health economics (1)
  - Bioethics (1)
  - Clinicians (3)
  - Methods (1)
  - Public member (1)
- Expert members chosen based on topic
HTERP’s Deliberative Framework

Benefits & Harms

Patient Preferences

Clinical Context / Need

Economic Impact

Ethics

Environmental Impact

Legal

Implementation
Challenges in Device, Program and Procedure

HTA
Challenges in Device, Program, & Procedure HTA

What to assess?

- High volume and variety of new (and existing!) technologies
- Need for “lifecycle” evaluation of technologies
- Priority setting
Challenges in Device, Program, & Procedure HTA

How to assess it?

- Complexity of technology and policy questions
- Lump or split?
- Balancing timeliness and comprehensiveness
Innovative methods: patient perspectives and ethics
Patient preferences

- Systematic review of peer reviewed and gray literature
- Data analysis includes both descriptive and thematic analysis
- Analytic themes provide key messages for deliberation
- Goal to help incorporate patient preferences in an informed, meaningful way
Ethics

• HTERP now commissions an ethical analysis on each project:
  • Descriptive analysis
  • Normative analysis

• Analysis draws upon ethical principles such as Autonomy, Beneficence and Justice

• Provides a common framework and vocabulary for productive deliberation about issues such as consent to universal genetic testing
Example: Dialysis Modalities for End-Stage Kidney Disease
Workflow

HTERP input → Protocol, Clinical review, Economic analysis → Stakeholder feedback

HTERP meeting #1: Prelim. discussion → Draft Recs. → HTERP meeting #2: Drafting of Recs. → Stakeholder feedback

Knowledge mobilization & Implementation Support → HTERP meeting #3: Finalize Recs. → Final Recs.
Key Findings

Benefits & Harms

Clinical Context / Need

Patient Preferences

Economic Impact

Ethics

Legal

Environmental Impact

Implementation
Final Recommendation

HTERP recommends self-care home-based dialysis in patients diagnosed with end-stage kidney disease, either with home hemodialysis or peritoneal dialysis.

Home dialysis is the future. Here’s why.

Date: April 6, 2017    Author: Vanessa Milne, Jeremy Petch & Mike Tierney

When Kirk Kelly switched from in-centre dialysis to home dialysis, he was having trouble. As a working father with two kids, he found it difficult to find 12 hours a week to have his dialysis done. His body was also having a hard time clearing the calcium out of his system, leaving him with calcifications on his hands and feet that were so large he could no longer wear shoes.
Completed and Future Projects
**Completed projects**

- Interventions for obstructive sleep apnea
- Monitoring for atrial fibrillation in discharged stroke and transient ischemic attack patients
- Mismatch repair deficiency testing for colorectal cancer patients
- Point-of-care troponin testing in patients with symptoms suggestive of acute coronary syndrome
- Factor V Leiden and prothrombin mutation testing in patients with unprovoked thromboembolism
- Point-of-Care Testing of INR for patients taking warfarin or other vitamin K antagonists
- High-sensitivity cardiac troponin for the rapid diagnosis of acute coronary syndrome in the emergency department
Ongoing projects

• HPV testing for cervical cancer screening

• Optimal strategies for diagnosing acute pulmonary embolism

• Optimal imaging for ischemic stroke in the emergency setting
Suggest a Topic

Medical Devices — Call for Topics

CADTH invites interested individuals to propose topics for future CADTH Health Technology Assessment or Optimal Use projects.

We are specifically seeking topics related to medical devices, diagnostic testing, and medical, dental, and surgical procedures or programs that require information for pan-Canadian practice, purchasing, or policy decisions.

Submit HTA Topic for Consideration →

https://www.cadth.ca/submit-a-request
We want you!

CADTH Health Technology Expert Review Panel

The Health Technology Expert Review Panel develops recommendations for CADTH projects related to diagnostic tests, and medical, dental, and surgical devices and procedures.

- We are seeking one health economist and one ethicist.

http://www.cadth.ca/nominations
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Calls for stakeholder feedback and patient group input, plus other time-sensitive announcements.

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**CADTH Symposium and Events**
Updates about our flagship annual Symposium, workshops, webinars and other events.
CADTH Evidence Driven.
ACMTS Preuves à l’appui.
Process

HTERP input → Protocol, Clinical review, Economic analysis → Stakeholder feedback

HTERP meeting #1: Prelim. discussion

Draft Recs. → HTERP meeting #2: Drafting of Recs.

Stakeholder feedback

HTERP meeting #3: Finalize Recs.

Final Recs.

Knowledge mobilization & Implementation Support
General Timelines

Protocol, Clinical Review, Economic analysis

4 - 6 months

HTERP meeting #1: Prelim. discussion

2 - 3 months

HTERP meeting #2: Drafting of Recs.

HTERP meeting #3: Finalize Recs.

Knowledge mobilization & Implementation Support

2 + months