

# **Health Technology Decision Support: An Overview of Evidence-Based Resources Available Through CADTH**

**NEWFOUNDLAND AND LABRADOR HEALTH  
LIBRARIES CONFERENCE, APRIL 17TH, 2015**

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**CADTH**

# Outline

## Overview of CADTH

### Products

- Rapid Response
- Health Technology Assessment
- Optimal Use
- Common Drug Review
- Pan-Canadian Oncology Drug Review

### Outreach Services

### Questions/Discussion

# What is CADTH?

## Canadian Agency for Drugs and Technologies in Health

- **Independent, not-for-profit provider of evidence health technologies.**
- **Founded in 1989 by Canada's federal, provincial, and territorial Ministers of Health**
- **Supports informed decisions by providing impartial, evidence-based research and advice on drugs, medical devices, and other health technologies.**

# What are health technologies?

- Improve health
- Prevent, diagnose or treat disease
- Help in rehabilitation and long-term care

## Include:

- Devices and equipment
- Medical and surgical procedures
- Drugs, vaccines and blood products



# Why CADTH?

- **Drugs and health technologies are major drivers of health care costs**
- **Rapid technological change**
  - **New products**
  - **Changes in clinical practice**
  - **Patient demand**
- **Increased utilization**
  - **Prescription drug spending growing 10.1% per year**
  - **Number of CT and MRI scans nearly doubled since 2003**

Canadian Institute for Health Information, *Health Care Cost Drivers: The Facts*. (Ottawa, Ontario: CIHI, 2011)

# CADTH's Customers and Users

- **Government policy- and decision-makers**
- **Public drug plan managers**
- **Regional health authorities**
- **Hospitals and other health care facilities**
- **Health professionals**
- **Patients**

# What Do Decision-Makers Want?

- **Independent, evidence-based information**
- **Relevant and timely information**
- **Messaging that is concise and understandable**
- **Support to interpret and apply the information**

# CADTH's Role

- **Serving our customers**
- **Producing and brokering health technology evidence**
- **Knowledge exchange and implementation support**
- **Promoting the use of evidence-informed decision-making**



# Different Assessment Needs

- Rapid Assessments
  - Typically reacting to a decision problem
  - Partial, dimensions of analysis must be identified
  - Summaries, limited need for synthesis
  - Decision will be made, with or without evidence
- Traditional Assessments
  - Anticipating a future decision problem
  - Comprehensive, (social, ethical, clinical, economic)
  - Involves environmental scanning activities
  - Decision can await (to some extent) evidence

# Steps in the Assessment Process

- Topic identification, filtration and prioritization
- Topic refinement
- Establishment of project team
- Assembling the evidence
- HTA Review
- Knowledge Exchange
- Implementation Support

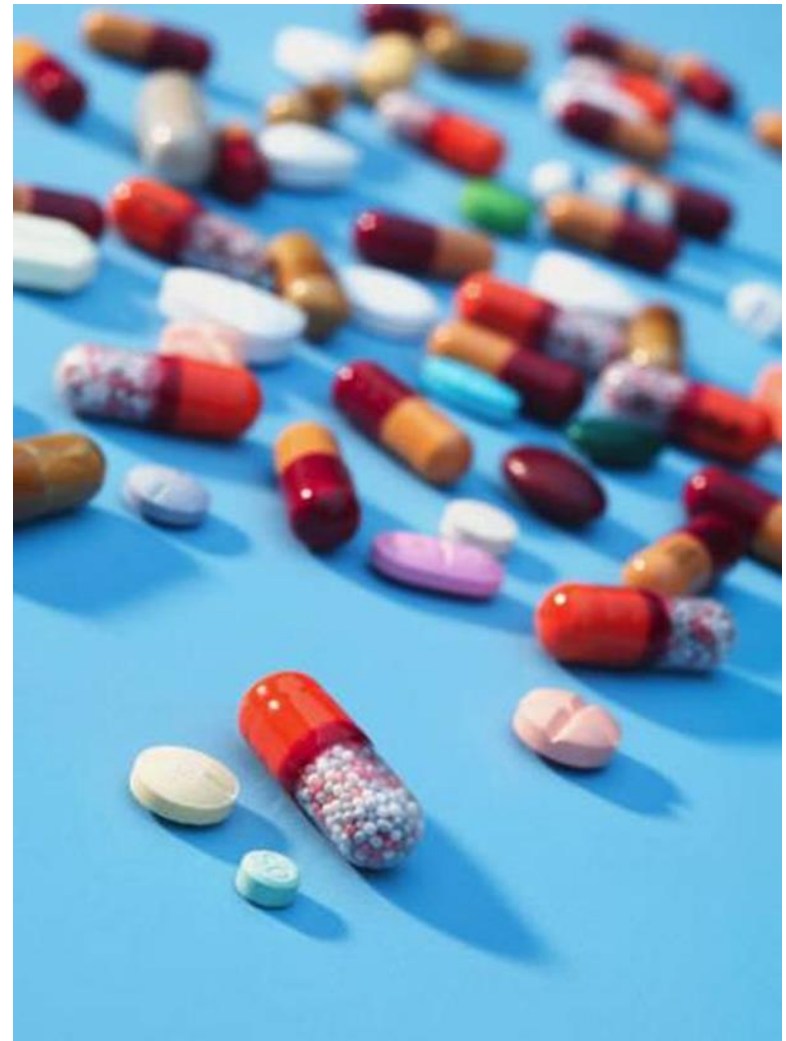
# CADTH's Products and Services

**CADTH conducts health technology assessments on drugs, non-drug technologies, and procedures**

- **Environmental Scans**
- **Rapid Response Service**
- **Common Drug Review (formulary recommendations)**
- **Therapeutic Reviews**
- **Optimal Use Advice, Recommendations, and Tools**

# CADTH's Common Drug Review

- **A national\* process for:**
  - **conducting objective, rigorous, and timely clinical and economic reviews of drugs**
  - **providing formulary listing recommendations to participating publicly funded drug plans**



# Rapid Response Service

- Launched February 2005; to date 3,000+ responses and growing
- Supports timely, evidence-informed decision-making
- Responds to questions from governments, RHAs, facilities, providers
- Reports provide evidence on risk, safety, mortality, morbidity, quality of life, economics or cost impact



# CADTH Therapeutic Reviews

- **Reviews of the most recent evidence available regarding a drug class or a drug category**
- **Triggered by jurisdictional (Drug Program) requests**
- **Examples:**
  - **Biological response modifier agents (biologics) for adults with rheumatoid arthritis**
  - **Third-line therapy for patients with type 2 diabetes inadequately controlled with metformin and a sulfonylurea**

# Optimal Use Reports and Tools

## Complete series of Optimal Therapy Reports

### User-friendly decision support tools

- Project Highlights Brochure
- Optimal Therapy Newsletter
- Quick Reference Prescribing Aid
- Alternate Prescription Pad
- Self-Management Action Plan
- Clinical Flow Sheet

### Peer-reviewed journal publications

- Canadian Medical Association Journal
- Open Medicine
- Canadian Journal of Diabetes
- Canadian Pharmacists Journal

# Optimal Use — Proton Pump Inhibitors - Impact

- CADTH's work encouraged appropriate use of lowest-priced PPIs
- CADTH's customized tools and resources were made available to help put knowledge into practice
- CIHI reported\* that spending on these drugs was “kept in check,” while spending on many other drug classes increased

*\*Health Care Cost Drivers: The Facts*



# Outreach at CADTH

## Knowledge Mobilization & Liaison Officer Team (KMLO)

- Multidisciplinary, multi-skilled
- Nurses, Pharmacists, Communication professionals, Social Worker, Physician, Researchers, Educators, Medical Radiation Technologist, Health Policy & Information Specialist, & Medical Records/Informatics expertise
- Well-connected and integrated into health systems
- Responsive to unique jurisdictional needs and priorities

# How We Work Together...



# KMLO: What we do

**A**

**Awareness & Relationship Management**

**B**

**Knowledge Mobilization & Strategic Linkages**

**C**

**Capacity Building**

**D**

**Outreach Event Management**

**E**

**Impact / Value for Money**

# A

## Awareness Building and Relationship Management

### Macro

- Federal Programs, P/T ministries (primary customers)
- Jurisdictional HTA producer groups

### Meso

- RHAs/DHAs/Hospitals
- VPs, Directors, Managers

### Micro

- Clinical groups (health care professionals)
- Local not-for-profit, academic, and research groups

# B

## Knowledge Mobilization & Strategic Linkages

### Multiple KM methods

- Meetings
- Printed materials, Prescribing tools/aids
- Presentations
- Online quizzes and modules
- Publications, Pamphlets
- Social media
- “Bundles”

Jurisdictional linkages and group involvement

Knowledge synthesis for health leaders and clinicians

# C

## Capacity Building

### Foundational HTA System Development

- Assisting in the development of local HTA methods and Rapid Evidence Review services
- Support for development of local decision structures
- Advice, information

### Education - Workshops

- Critical Appraisal 101, 201
- Business Case “boot camp”
- Fundamentals of Health Evidence
- Health Technology Assessment 101

# D

## Outreach and Information Exchange

### Outreach

- Health Canada, P/T health ministries
- Jurisdictional networks
- Identifying experts to participate in CADTH projects or to connect inter-jurisdictionally for evidence needs
- National – Provincial – Regional – Clinician-specific events
- Webinars & Teleconference events
- In person meetings, presentations
- New at CADTH

# E

## Impact Assessment

### Impact reporting

- Case studies
- Feedback acquisition
- Impact level
  - Policy change decision
  - Practice change decision
  - Acquisition/purchasing decisions
  - Cost-avoidance / delay decision
  - To inform only
- Assessment of value for time & \$ invested



# October 2014 Reach

- 578 Senior Jurisdictional Leaders reached (including attendance at formal group presentations, direct contact at events/conferences, and 1:1 and all small group meetings) (MACRO level)
- 298 RHA Managers, Directors, Advisors and Hospital Administrators reached (including attendance at formal group presentations, direct contact at events/conferences, and 1:1 and all small group meetings) (MESO level)
- 121 direct care providers/bedside clinicians with direct patient contact reached (including attendance group presentations, direct contact at events/conferences, and 1:1 & small group meetings) (MICRO level)

# Reach (continued)

## Media engagement

- “Docusate for constipation: Money down the toilet?”
  - Originally published in Hospital News
  - Subsequently picked up by media outlets (cross-Canada)
  - Most viewed Evidence Matters article on the online edition of Hospital News

## Social Media

- Twitter – 3500 followers
- Slideshare – 30,000 views of Warfarin/NOAC debate

# Upcoming Events

## Webinars

- HTA Database Interface Training – Date TBA
- CADTH Lecture Series – advertised in New at CADTH and CADTH alerts

## On demand workshops and other education/training sessions

- Your suggestions are welcome – contact Sheila Tucker at  
Email: [Sheilat@cadth.ca](mailto:Sheilat@cadth.ca)  
Phone: (709) 691-3055

# Connect With Us



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## New at CADTH

Monthly newsletter including a summary of new reports plus corporate news, announcements of upcoming events, and more.

## CADTH Symposium and Events

Updates about our flagship annual Symposium, workshops, webinars and other events.

**CADTH** Evidence  
Driven.