

Cochrane Canada

COCHRANE CANADA 2011 ANNUAL REPORT

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NEW PROJECT

CANADIAN PARTNERSHIP AGAINST CANCER (CPAC)

CPAC and Canadian Cochrane Centre (CCC) have initiated a project together to map cancer-relevant Cochrane Systematic Reviews (CSRs) to make them more accessible to policy-makers, practitioners and patients and to help identify critical research gaps and opportunities for integrating evidence into cancer control practice and policy. This project aims to identify and map all relevant CSRs to the cancer care continuum to facilitate ease of identification and access of high quality evidence by policy-makers, healthcare professionals and consumers. To aid in research funding allocation decisions, we are examining the reviews that do not have a definitive answer about the intervention's effectiveness and extracting the recommendations for further research. This will help ensure targeted research occurs, providing health systems with the information they need to allocate resources towards the most effective, proven prevention, early detection, diagnostic, and treatment services. CPAC provided the CCC with funding to hire a student to complete this research. Once completed, CPAC will be able to provide this evidence to cancer oriented organizations to better inform funding and treatment decision-making. Planning for this project began in late summer, 2011 and we hope to produce a final product

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OUR VISION

Individual and system level health care decision-makers understand the importance of using Cochrane Reviews to inform practice, and all health care decisions in Canada are informed by the best available evidence.

OUR MISSION

The Canadian Cochrane Centre cultivates evidence-based decision-making by promoting the use and accessibility of Cochrane Reviews. The CCC supports and offers high quality training to those interested in using and producing Cochrane Systematic Reviews.

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INTRODUCTION

Dear colleagues and friends,

Thank you for reading Cochrane Canada's Annual Report for the reporting year September 2010 - August 2011. The timing of our 12-month Annual Report has changed to align with our current funding which began in September 2010. In writing this, it was interesting to look back at the Canadian Cochrane Centre's first Annual Report while in its new home in Ottawa (2006 - 2007). Here are just a few examples of how much Cochrane Canada has grown and accomplished over the past five years.

2006 - 07: "We are now the fifth highest funded Cochrane Centre in the world."

TODAY: In 2010 - 11, the Canadian Cochrane Centre was the third-highest funded Cochrane group of the financial year and the second-highest funded Centre. The Canadian Institutes for Health Research (CIHR) was the second highest Cochrane group funder in the financial year 2010 - 11.

2006 - 07: "There are nearly 1200 Canadians contributing to Cochrane."

TODAY: There are more than 2600 Canadians contributing to Cochrane; of these 1618 are authors.

2006 - 07: Together, the five Canadian Review Groups produced 49 protocols, 23 reviews and 14 updated reviews.

TODAY: The six Cochrane Canada Review Groups produced 54 protocols, 28 reviews and 14 updated reviews in this reporting year.

2006 - 07: "New Centre staff and a renewed Advisory Board have sharpened our focus on strategies to improve the awareness and understanding of Cochrane and our products."

TODAY: We were able to add a position to the team: a Communications Specialist who is increasing the profile and awareness of Cochrane in Canada. Our Advisory Board has been extremely effective, providing us with invaluable external perspectives and high level advice.

2006 - 07: "We have been expanding our training in doing and using systematic reviews, reaching out to renew partnerships with our affiliate members to develop knowledge exchange activities and supporting established and new review authors."

TODAY: We have trained over 500 people in the past 12 months in aspects of authoring Cochrane Reviews and connected with over 650 people to learn how to use Cochrane evidence. We are conducting integrated knowledge translation of Cochrane Review evidence with three of our partners, developing and delivering workshop and joint learning modules.

We are pleased with our progress and are very grateful for the ongoing and new financial support which allows us to do our work. Together, we anticipate nothing but more growth and achievement and new innovations as we move forward!



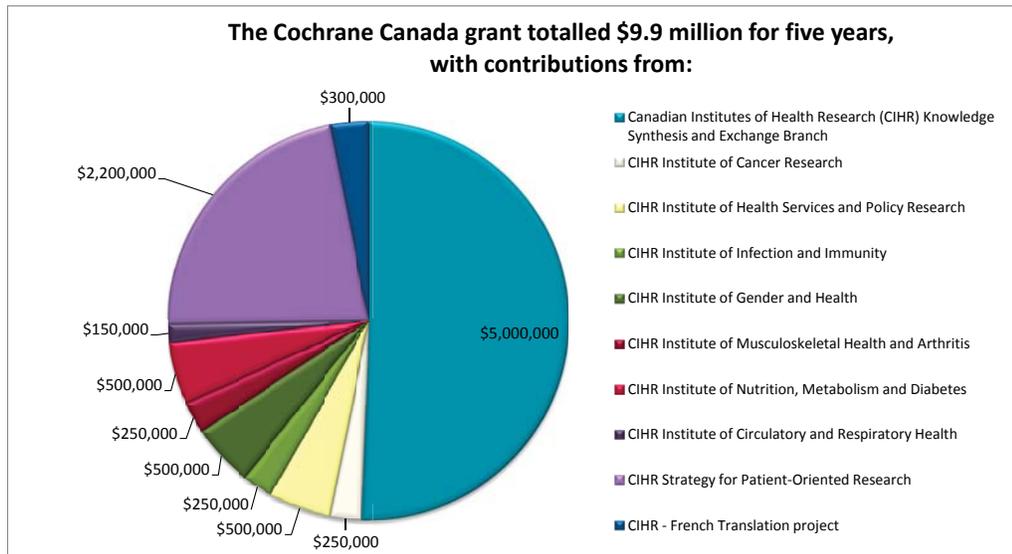
Jeremy Grimshaw
Director, Canadian Cochrane Centre



Mary Ellen Schaafsma
Executive Director, Canadian Cochrane Centre

FUNDING

Approximately 19 per cent of the five-year award granted by the Canadian Institutes of Health Research (CIHR) was used between 1 September 2010 – 31 August 2011.



Additional Funding was gratefully received from:

Canadian Chiropractic Association
 Canadian Chiropractic Examining Board
 Canadian Chiropractic Protective Association

Ontario Ministry of Health and Long-Term Care: \$400,000 research grant targeted to the Ontario groups in Cochrane Canada.

Ministère de la santé et des services sociaux du Québec : French translation of Cochrane abstracts and Plain Language Summaries.

Fonds de la recherche en santé du Québec : French translation of Cochrane abstracts and Plain Language Summaries.

CIHR Meetings, Planning and Dissemination Grant (July 2011 notification): \$100,000 for “Dr Cochrane: developing online learning modules form Cochrane Reviews”.

Canadian Partnership Against Cancer: \$3250 to map Cochrane Reviews onto the ‘cancer continuum’ and identify areas for targeted research.

SUPPORT FOR THE PREPARATION AND UPDATING OF COCHRANE SYSTEMATIC REVIEWS

The Cochrane Collaboration's primary output is Cochrane Systematic Reviews (CSRs), which are often regarded as the gold standard in systematic reviews. The preparation of reviews is a process which includes preparation of the initial protocol (reviews underway), review completion and updating reviews at specified intervals. Cochrane Canada's main objectives include:

- Producing reviews, protocols and updates
- Building the central registers of controlled (and other) trials in *The Cochrane Library*
- Building the capacity of Canadians to conduct Cochrane Systematic Reviews (CSRs)

COCHRANE SYSTEMATIC REVIEW PRODUCTION

With 96 reviews, updates and protocols published throughout 2010 - 2011 (a 63 per cent increase from the previous year), most of the Canadian Review Groups have not only met, but exceeded their production goals. The table below shows the breakdown of the number of Canadian submissions to *The Cochrane Library*.

Note: Several updated reviews were in the editorial process on 31 August 2011 and were published in the September issue of *The Cochrane Library*. Targets for updated reviews will be exceeded by the end of the second year of the CIHR grant.

TABLE 1

Review Group Protocol, Review and Update production: Totals added to <i>The Cochrane Library</i>		
September 2010 – August 2011		
	Target	Actual
Back Group (BRG)		
Protocols	5	5
Reviews	5	5
Updates	5	1
Effective Practice and Organisation of Care (EPOC) Group		
Protocols	4	4
Reviews	5	8
Updates	4	3
Hypertension (HTN) Group		
Protocols	5	7
Reviews	5	0
Updates	5	0

**Review Group Protocol, Review and Update production: Totals added to
The Cochrane Library**

Inflammatory Bowel Disease and Functional Bowel Disorder (IBD/FBD) Group		
Protocols	5	6
Reviews	6	6
Updates	5	3
Cochrane Musculoskeletal (CMSG) Group		
Protocols	6	13
Reviews	6	6
Updates	6	3
Upper Gastrointestinal and Pancreatic Diseases (UGPD) Group		
Protocols	6	19
Reviews	6	3
Updates	8	4
Total: All Groups		
Protocols	31	54
Reviews	33	28
Updates	28	14

Please see the Appendix for a list of open access reviews.

TABLE 2

Child Health Field (CHF) publications		
September 2010 – August 2011		
	Target	Actual
Cochrane Overviews of Reviews published in each issue of <i>Evidence-Based Child Health</i>	6	6
Cochrane Reviews supported by CHF	10	10

Note: The Child Health Field also produces *Evidence-Based Child Health*, a Cochrane Review Journal, and assists in the publication of other CSRs.

RESOURCES TO SUPPORT REVIEW PRODUCTION: IDENTIFYING RESEARCH TRIALS FOR SPECIALISED REGISTERS

Review Groups also add to the Cochrane Central Register of Controlled Trials (CENTRAL). CENTRAL includes information on clinical trials that may be relevant to Cochrane Reviews. Each Cochrane Review Group maintains and updates a collection of controlled trials that relate to its own area of interest, which are called 'Specialised Registers'. Specialised Registers include details of articles from bibliographic databases (about three-fifths of CENTRAL's records are taken from MEDLINE) and other published and unpublished sources. The title of the article, where it was published, and, in many cases, a summary of the article are included in each report.

TABLE 3

Additions to Specialised Registers of Trials by Canadian Groups	
Cochrane Group	September 2010 – August 2011
BRG	270
EPOC	600
HTN	3200
IBD/FBD	184
CMSG	14,662
UGPD	217
Total	19,133

RESOURCES TO SUPPORT REVIEW PRODUCTION: DEVELOPING THE METHODS

TABLE 4

Bias Methods Group publications		
September 2010 – August 2011		
	Target	Actual
The BMG has published one methodology review and two research papers in high impact journals.	1 - 2	3

TABLE 5

Campbell and Cochrane Equity Methods Group publications		
September 2010 – August 2011		
	Target	Actual
Cochrane protocols supported by Equity Methods	2	4
Cochrane Reviews supported by Equity Methods	2	2
Other Equity-related publications	4	14
Cochrane Review titles supported by Equity Methods	2	1

BUILDING THE CAPACITY OF CANADIANS

Cochrane Canada provided training to 508 participants throughout September 2010 – August 2011, welcoming 152 new review authors. The majority of participants took the training via webinar, a method which allows us to reach people all across the country in multiple time zones. The Université Laval Regional Site is now offering credit for standard author training through the PhD Nursing program and external organizations as professional development. The next steps to improving capacity building for Cochrane Reviews include more tailored training with partner organizations and to develop a Collaboration-wide webinar program based on the Canadian experience. The chart below describes the review author workshops that have taken place over the past year.

TABLE 6

Centre-facilitated Author Training Workshops					
September 2010 – August 2011					
Workshop	Target	Date	Partnership	Region*	Participants
Introductory <i>(Introduction to completing a Cochrane Systematic Review)</i>	2	June 2011 (via webinar, four-part series)	Pan American Health Organization (PAHO)	Canada+	25-51 across sessions
Standard <i>(More in-depth training for completing a Cochrane Systematic Review)</i>	3	9 - 10 December 2010	Dalhousie Regional Site, Nova Scotia Health Research Foundation (NSHRF)	A	18
		14 - 15 February 2011	University of British Columbia Regional Site, Hypertension Group (presymposium)	W	17
		21 - 22 February 2011 (French)	Université Laval Regional Site	E	10
		21 - 22 March 2011 (French)	Université Laval Regional Site	E	13
		27 - 28 May 2011	Upper Gastrointestinal and Pancreatic Diseases Group, Cochrane Applicability and Methods Group, Effective Practice and Organisation of Care Group (EPOC)	E	16
		April - May 2011 (via webinar three-part series & one-day workshop)	Canadian Chiropractic Research Foundation, Ontario Chiropractic Association, Dalhousie Regional Site	E	18
		26 - 27 May 2011 (French)	Université Laval Regional Site	E	14

Centre-facilitated Author Training Workshops					
Advanced <i>(Workshops with a focus on specific matters involved with the conduct and assessment of Cochrane Systematic Reviews)</i>	1	16 February 2011	Cochrane Statistical Methods Group	W	20
Webinars <i>(Online training sessions that can include subject matter from introductory, standard, advanced or specialized courses)</i>	9	16 September 2010 (Searching for studies with adverse effects)	Cochrane Adverse Effects Methods Group, PAHO	Canada+	32
		29 September 2010 (Equity 101)	Campbell and Cochrane Equity Methods Group	Canada+	9
		12 October 2010 (Health Systems Evidence database)	Cochrane Policy Liaison Office, PAHO	Canada+	23
		9 November 2010 (Equity 101)	Campbell and Cochrane Equity and Methods Group	Canada+	52
		16 November 2010 (Methods Clinic #1, methodology)	EPOC; PAHO	Canada+	2
		8 December 2010 (GATE for critical appraisal)	University of Auckland, PAHO	Canada+	11
		26 January 2011 (Ethics)	PAHO	Canada+	12
		28 February 2011 (Methods Clinic #2 statistics)	PAHO, Cochrane Statistical Methods Group	Canada+	3
		21 March 2011 (Logic Models)	Campbell and Cochrane Equity Methods Group	Canada+	35
		6 April 2011 (Addressing blinding in reviews)	PAHO, Cochrane Bias Methods Group	Canada+	9
		13 April 2011 (International SR protocol registry)	PAHO, Knowledge Synthesis Canada	Canada+	23
		6 June 2011 (Overviews methodology)	PAHO, Child Health Field, Cochrane Comparing Multiple Interventions Methods Group	Canada+	19
		5 July 2011 (Logic Models)	Campbell and Cochrane Equity Methods Group	Canada+	69

Centre-facilitated Author Training Workshops					
Other Courses	No minimum required	January 2011 (Graduate course, Introduction to systematic reviews, University of Saskatchewan)	University of Saskatchewan Regional Site	W	6
		Graduate course, Applied Health Sciences degree, University of Manitoba	University of Manitoba Regional Site	W	10
Specialized <i>(Specialized training in review completion or trainer training)</i>	1	9 - 12 May 2011 (Review completion course for Cochrane authors)	EPOC, Campbell and Cochrane Equity Methods Group, Bias Methods Group, Applicability and Recommendations Methods Group, Cochrane Adverse Effects Methods Group	Canada+	5
		21 April [Train the trainer for conducting webinars (Cochrane group staff, PAHO, Iberoamerican Cochrane Centre)]	PAHO	Canada+	11
Total training Participants 2010 – 2011					508

*REGION: ATLANTIC CANADA (A); ONTARIO OR QUEBEC (E); MID-WEST AND BRITISH COLUMBIA (W); CANADA AND INTERNATIONAL (CANADA +).

ALL WORKSHOPS WERE CONDUCTED IN ENGLISH UNLESS OTHERWISE SPECIFIED.

CAPACITY BUILDING TO USE REVIEWS: ACTIVITIES OF COCHRANE CANADA ENTITIES

BACK GROUP (BRG)

In the past year, the Back Group conducted two systematic review workshops at the Institute for Work and Health in Toronto. One took place in November with 30 participants, and the other in June with nine participants. The workshops were led by the Back Group Coordinating Editors, Maurits van Tulder and Claire Bombardier. The sessions were designed to teach participants how to plan, conduct and communicate the results of a systematic review, and they highlighted the work of The Cochrane Collaboration.

"The clear format, organization and opportunities for hands-on learning of the software and group discussions were terrific."

- Training participant

Members of the editorial team (Victoria Pennick, Rachel Couban, and Allison Kelly) presented a poster at the 2010 Cochrane Colloquium in Keystone, Colorado. The poster was titled, "How to make a little go a long way: Are we as helpful to others as we think we are?" The research surveyed BRG authors about the services offered by the Back Group and the usefulness of its website. Results indicated that not all authors were aware of the services provided by the editorial office and some found its website difficult to navigate. As a result of this work, the group has enhanced communications with authors and is redesigning its website.

Victoria Pennick, managing editor of the Back Group, provided ongoing training and support to review authors on a one-on-one basis, as well as via the website and newsletter. She provided information about author training sessions, tips for writing and updating reviews and detailed answers to frequently asked questions. Victoria retired in the summer of 2011 after nine years of working with the Back Group. She was extremely dedicated to the group and the Collaboration in general, and she approached her work with enthusiasm and a strong work ethic. Teresa Marin entered the position of managing editor in September 2011.

Knowledge Translation (helping people use Reviews)

In the spring of 2011, Victoria Pennick published an article in the *Ontario Occupational Health Nurses Journal* called, "Informing your practice with evidence: where to find it; how to understand it." The article explains the importance of systemic reviews and has a focus on The Cochrane Collaboration, The Campbell Collaboration and work-related diseases. It is a source of useful tips for accessing evidence-based resources in the area of occupational health.

Podcasts for two of the Back Group's reviews were ranked in the top 10 most popular podcasts of 2010. "Combined chiropractic interventions for low-back pain," was ranked number one, and "Braces for idiopathic scoliosis in adolescents (Italian language version)," was ranked number 10. BRG podcasts are posted on its website and highlighted in its newsletter.

Over the past 12 months, the Back Group sent out 10 electronic newsletters to its members, which highlight Cochrane and BRG-specific news. Subscription has grown by 58 people in the past year. The BRG website is updated after each publication of *The Cochrane Library*, which has received over 11,948 visits over the past 12-month period (9903 unique visitors).



MAURITS VAN TULDER AND VICTORIA PENNICK, BACK GROUP; LOW-BACK PAIN FORUM, MELBOURNE



LISA MCGOVERN, CANADIAN COCHRANE CENTRE; VICTORIA PENNICK, BACK GROUP; 9TH ANNUAL COCHRANE CANADA SYMPOSIUM; VANCOUVER, BC

All of the Back Group's abstracts and Plain Language Summaries were translated into French and posted on its website over the course of this reporting period. They were also linked from the websites of the Institute of Musculoskeletal Health and Arthritis (IMHA) at the Canadian Institutes of Health Research (CIHR) and the French Cochrane Center. The BRG is pleased to be part of the Wiley-Blackwell (*The Cochrane Library* publisher) initiative to publish French translations of Cochrane abstracts along with the English versions.

Finally, the BRG team is currently working to create a standard entity website to help provide uniformity for the audience across the Collaboration.

EFFECTIVE PRACTICE AND ORGANISATION OF CARE (EPOC) GROUP



EPOC EDITORS AND STAFF MEETING, OTTAWA, MARCH 2011

FRONT ROW (LEFT TO RIGHT): JEREMY GRIMSHAW, MARTIN ECCLES, LUCIANA BALLINI.
 SECOND ROW: MARIT JOHANSEN, FLORENCE GILLAIZEAU, GERD FLODGREN, PIERRE DURIEUX, ELIZABETH PAULSEN, SUSAN MUNABI- BABIGUMIRA, DENISE O' CONNOR, ANDY OXMAN.
 BACK ROW: ALAIN MAYHEW, MICHELLE FIANDER, TOMAS PANTOJA, EMMA TAVENDER, SASHA SHEPPERD, RUSSELL GRUEN.
 MISSING IN THIS PHOTO: SIMON LEWIN, ESPEN MOVIK, JAN ODGAARD-JENSEN, CRAIG RAMSAY, MERRICK ZWARENSTEIN, LISA BERO, JOHN LAVIS, LUKE VALE, ANDREW HERXHEIMER.

The EPOC Group hosted an editor and staff meeting that included 19 participants from Canada and around the world. Many issues were addressed, such as short- and long-term goals, EPOC methods, summary of findings tables, meeting CIHR deliverables, the future of the EPOC register and the EPOC taxonomy. The recommendations will be circulating for all authors via the EPOC Group website.

The EPOC Group presented workshops about EPOC reviews and risk of bias tools at the 2010 Cochrane Colloquium, the 2011 Cochrane Canada Symposium and the 2011 Symposium at the Cochrane mid-year meeting in Croatia. Papers have been submitted describing EPOC methods to other journals.

The EPOC Group also presented workshops at the Canadian meeting, covering topics such as summary of findings tables, developing review questions and reference management for review authors. The EPOC Group has participated in Standard Author Training workshops, Train the Trainer workshops and individual author training. The group provides regular assistance with searching, review methods, review writing and addressing peer review comments; this support has been via telephone or email.

The EPOC Group has updated its Rx for Change Database. An additional 16 reviews were added and the intervention summaries were

updated accordingly. A workshop describing the EPOC Group's methods was presented to the Canadian Agency for Drugs and Technologies in Health (CADTH) Symposium in May 2011, and a paper describing the Rx for Change project was published.

Knowledge Translation (helping people use Reviews)

The EPOC Group is continuing to disseminate its new reviews and updates through the E-Watch Newsletter, which is produced by the Quebec Population Health Research Network in collaboration with GLS Réseaux and the National Collaborating Centres for Public Health.

"Cochrane Reviews continually help me strive for further understanding of medical research and its complicated pathways. More importantly, I pass on pertinent information which I learn and receive to our patient and consumer populations . . ."

- Anonymous

Many of the EPOC Group's reviews are identified within the Rx for Change Database and also in the Health Systems Evidence database (healthsystemsevidence.org/).

Two new editors have been added to the editorial team: one based in Australia and one based in France. All editors are expected to continue to increase the international profile of EPOC in their respective regions

as part of their involvement with the group.

The EPOC Group has established a steering group for the Rx for Change Database. This steering group includes representatives from EPOC, CIHR, CADTH, Cochrane consumers, the Consumers and Communication Review Group in Australia and the Australian National Prescribing Service. The steering group is exploring future activities and potential funding sources to improve the awareness and use of the database.

HYPERTENSION (HTN) GROUP

The Hypertension Group has continued to train medical students and residents in Cochrane methodology during this funding period. Eight new students were trained; most of them have published a protocol in *The Cochrane Library*, and one has published a completed review. An average of 15-20 individuals attended the weekly editorial base meetings where new reviews and protocols are discussed, methodological aspects are clarified and new authors are mentored by more experienced authors.

In October 2010, members of the editorial base presented four posters at the Cochrane Colloquium in Keystone, Colorado. The Hypertension Group hosted the Canadian Cochrane Symposium in February 2011, which had over 200 participants. More than 15 members of the editorial base offered workshops, presentations and posters at the Symposium, several of which focused on training new authors. Members of the editorial base also offered a pre-symposium satellite workshop on how to use Cochrane evidence in clinical decision-making. One Cochrane author training workshop was held in February 2011, which focused on teaching new authors how to use RevMan 5.1. A new author with the Hypertension Group was able to participate in the Review Completion course offered by the Canadian Cochrane Centre in May 2011.



DOUGLAS SALZWEDEL,
HYPERTENSION GROUP, 18TH
COCHRANE COLLOQUIUM;
KEYSTONE, COLORADO

Knowledge Translation (helping people use Reviews)

The Hypertension Group hosted seminars on a monthly basis as a means of promoting the work of The Cochrane Collaboration among the faculty and students who make up the university community. For example, in September 2010, the group hosted a seminar, presented by Lisa Bero from the San Francisco Branch of the US Cochrane Centre, on the efforts being made towards prospective registration of all clinical trials. In October 2010, the Hypertension Group hosted a one-day course on "Disease Mongering," presented by Ray Moynihan (Australia),

Alan Cassels (Canada) and Barbara Mintzes (Canada). The Hypertension Group organized a one-day course for physicians and pharmacists in November 2010, under the title, "Bringing Best Evidence to Front-line Clinicians," attended by over 100 physicians and pharmacists. The program included an overview of the process of completing a systematic review and concrete examples of how Cochrane Reviews can be used to inform clinical decisions. This course was highly evaluated by the participants. In May 2011, the Hypertension Group hosted a seminar on the evidence for antidepressants and its impact on clinical decision making.

The work and output of The Cochrane Collaboration was highlighted in several Therapeutics Letters published by the UBC Therapeutics Initiative during this period.

"I use Cochrane to foster evidence-informed decision making in all areas of my work: (1) teaching physiotherapy students and clinicians, (2) facilitating the incorporation of evidence into clinical practice standards and (3) informing research."

- Alison Hoens, a Physical Therapy Knowledge Broker from the University of British Columbia and Physiotherapy Association of BC

INFLAMMATORY BOWEL DISEASE AND FUNCTIONAL BOWEL DISORDERS (IBD/FBD) GROUP

Throughout September 2010 to August 2011, the Inflammatory Bowel Disease and Functional Bowel Disorders Review Group recruited 51 new authors. These new authors contributed to the publication of one review, four protocols and three updated reviews. Twelve of the 51 new authors are Canadian. These new Canadian authors contributed to the publication of one protocol, one updated review and two Cochrane Systematic Reviews (CSRs) published in peer-reviewed journals. An experienced team of Canadian authors also published a review during this period.

The Managing Editor (ME) assisted the Canadian Cochrane Centre with the CIHR funded project, "Increasing dietitians' roles in knowledge synthesis and use." This project was meant to build capacity for evidence-based practice and critical appraisal of research in the dietetic and nutrition areas. The ME participated in two teleconferences and provided input on three draft modules that will be used to train dietitians.

The IBD/FBD Managing Editor attended the Cochrane Diagnostic Test Accuracy (DTA) Training Workshop in Baltimore, MD, from 14 – 16 June 2011. The workshop included information about CSRs of Diagnostic Test Accuracy, potential DTA topics to help identify priority reviews and an introduction to the editorial process for Cochrane DTA reviews. This training will help build capacity by allowing the IBD/FBD group to support DTA reviews.

During the period of 1 September 2010 to 31 August 2011, the IBD/FBD group routinely engaged in the following capacity building activities to help facilitate the completion of reviews: providing software support for three different author teams, providing assistance with developing search strategies for two reviews and performing literature searches for 11 different reviews (both new reviews and updates).

"My patients were able to make informed decisions about their health care. I find that the access I have to this information empowers our patients to make better decisions on their own."

- Anonymous

Knowledge Translation (helping people use Reviews)

In the past fiscal year, IBD/FBD group members have given five Cochrane presentations aimed towards clinicians and consumer groups at local and international meetings, symposia and conferences. The largest of these presentations was the

Cochrane Symposium "Controversies and consensus: how Cochrane Reviews guide therapy in inflammatory bowel disease," which was presented on 9 May 2011 during Digestive Disease Week (DDW) in Chicago. The DDW is the largest annual meeting of gastroenterologists in the world and attendance is usually around 15,000. The symposium consisted of presentations on Crohn's disease and ulcerative colitis, focusing on the induction and the maintenance of remission, along with an evidence-based treatment algorithm. Each presentation used a synthesis of Cochrane Reviews. The symposium was well received and approximately 1000 people attended.

Throughout this funding period, IBD/FBD group members have published four Cochrane publications in peer reviewed Gastroenterology journals. *Inflammatory Bowel Diseases* published three manuscripts: "Introduction to Cochrane Systematic Reviews," "Maintenance of remission in inflammatory bowel disease using omega – 3 fatty acids (fish oil): a systematic review and meta-analyses," and "Unfractionated or low molecular weight heparin for induction of remission in ulcerative colitis: a Cochrane inflammatory bowel disease and functional bowel disorders systematic review of randomized trials." In May 2011, *The American Journal of Gastroenterology* accepted a piece called, "Efficacy of 5-aminosalicylates for the maintenance of remission in Crohn's disease," that is currently in press.

Jack McDonald, IBD/FBD Editor, and Brian Feagan, IBD/FBD Co-ordinating Editor, are editors of the text book, *Evidence-Based Gastroenterology and Hepatology, 3rd Edition* (BMJ Books, London UK). It was published in September 2010 and includes the latest results from Cochrane Systematic Reviews.

The IBD/FBD group's Managing Editor wrote a news item for the CIHR Institute of Nutrition, Metabolism and Diabetes' August 2011 newsletter: Cochrane Inflammatory Bowel Disease and Functional Bowel Disorders (IBD/FBD) Review Group: An Introduction to Cochrane Systematic Reviews.

COCHRANE MUSCULOSKELETAL GROUP (CMSG)

The Musculoskeletal Group is actively involved with its diverse group of stakeholders. The CMSG gave an oral presentation, titled, "Overviews of Reviews - methodological considerations of the biologics for rheumatoid arthritis: A Cochrane Overview," at the October 2010 Cochrane Colloquium in Keystone, Colorado. It was then updated and presented again in February 2011 at the Cochrane Canada Symposium in Vancouver.

In October 2010, the CMSG paired with colleagues from Toronto to present a "Validation of Self-Administered Inflammatory Arthritis Detection Tool for Rheumatology Triage," at the American College of Rheumatology.

In collaboration with the Canadian Cochrane Centre, the CMSG recorded a French webinar on "Navigating a Systematic Review for the Canadian Dental Hygienist Association," in June 2011.

As per 31 August 2011, the CMSG has 156 Canadian authors registered in its database.

Knowledge Translation (helping people use Reviews)

The CMSG has developed a new format of the Plain Language Summary that simplifies its display and provides different displaying options to increase coverage and maximize the potential use. Nine Plain Language Summaries have been created throughout this past fiscal year.

The CMSG has also provided one summary of finding tables for each review that was produced in the past year, putting the group at the forefront of the Collaboration.

The CMSG has collaborated with the Patient Decision Aids Research Group in the innovative area of decision aid development. Decision aids are designed to inform consumers of key elements in systematic reviews that can assist in the decision-making process related to the use of health interventions. There are currently 11 decision aids available on the CMSG website.

The Musculoskeletal Group has been transitioning to the use of The Cochrane Collaboration's brand website templates to improve the quality and display of the French translations of abstracts and Plain Language Summaries.

In addition, the CMSG has published two podcasts from published reviews ("Adverse effects of biologics: a network meta-analysis and Cochrane overview," and "Exercise for preventing and treating osteoporosis in postmenopausal women"), and one of the group's reviews was featured in the November 2010 issue of the Cochrane Journal Club ("Vitamin D supplementation for improving bone mineral density in children").



PETER TUGWELL, CAMPBELL AND COCHRANE EQUITY METHODS GROUP; COCHRANE MUSCULOSKELETAL GROUP, 18TH COCHRANE COLLOQUIUM; KEYSTONE, COLORADO



VIVIAN WELCH, COCHRANE MUSCULOSKELETAL GROUP, 18TH COCHRANE COLLOQUIUM; KEYSTONE, COLORADO



RACQUEL SIMPSON, GRIGORIOS LEONTIADIS, PAUL MOAYYEDI, KARIN DEARNESS, SALLY KOHNE; UPPER GASTROINTESTINAL AND PANCREATIC DISEASES GROUP

The CMSG participated in the new friendly-front end pilot project run by the Cochrane Editorial Unit, in collaboration with Wiley–Blackwell, *The Cochrane Library's* publisher, called "Cochrane PICO," aimed to provide easier uptake from clinicians, which is currently under evaluation.

The Musculoskeletal Group has also been working on the development of stepped decision aids (which compare the benefits and harms of more than one treatment) to assist in choosing a treatment when a wide range of alternatives are available.

UPPER GASTROINTESTINAL AND PANCREATIC DISEASES (UGPD) GROUP

The UGPD Group has put great effort into author training activities throughout 2010 - 2011. A two-day author training workshop was run out of the Group's base at McMaster University for 20 international participants. The Deputy Co-Editor of UGPD gave two lectures in Greece on how to use *The Cochrane Library* and how to become involved with Cochrane. Cochrane symposia were run at major international gastroenterology conferences (United European Gastroenterology Federation in Barcelona and Digestive Disease Week in New Orleans).

Five members of the UGPD editorial team attended two days of training provided by the Cochrane Diagnostic Test Accuracy (DTA) working group, enabling the UGPD Group to support systematic reviews of DTA. The UGPD Group has seven DTA titles registered, and has recently published its first DTA protocol.

The UGPD Group supports authors daily by responding to an average of five requests per day for direct software, statistical and methodology support. The Group completes an average of four literature searches per month for new or updated reviews.

Knowledge Translation (helping people use Reviews)

The UGPD Group published its first newsletter in 2011 since relocating to Canada from the UK.

The Group is part of a pilot project to engage dietitians in the peer reviewing and authoring of Cochrane Reviews. In 2010 - 2011, the UGPD Group has participated in teleconferences, reviewed draft educational material and provided protocols to pilot with the first group of trainees.

CHILD HEALTH FIELD (CHF)

The Child Health Field sponsored a workshop, "An Introduction to The Cochrane Collaboration's Methods for Conducting Systematic Reviews and Meta-Analyses," at the Pediatric Academic Societies conference in Denver, Colorado, May, 2011. CHF Advisory Board members, Drs Tonse Raju, Martin Offringa and Virginia Moyer, were among the presenters for the workshop.

CHF Co-Directors, Drs Terry Klassen and Lisa Hartling, taught at the University of Alberta/Alberta Health Services Evidence-based Practice Center conference in February 2011. They presented "Putting Evidence into Practice," which trains participants in systematic review and critical appraisal techniques.



PAUL MOAYYEDI, UPPER GASTROINTESTINAL AND PANCREATIC DISEASES GROUP, DEMONSTRATING THE COLOSSAL COLON AT A SHOPPING MALL IN HAMILTON, ONTARIO.



GRIGORIOS LEONTIADIS, UPPER GASTROINTESTINAL AND PANCREATIC DISEASES GROUP, PROMOTING COLONIC HEALTH AT A SHOPPING MALL IN HAMILTON, ONTARIO.

Child Health Field Coordinator, Denise Thomson, along with Michelle Foisy and Dr Lorne Becker, presented a Cochrane Canada webinar, "A primer to Cochrane overview of reviews," in June 2011. This was based on the Child Health Field's extensive experience in preparing overviews of reviews for its journal, *Evidence-Based Child Health: A Cochrane Review Journal*.

Knowledge Translation (helping people use Reviews)

The Child Health Field's main knowledge translation initiative is its journal, *Evidence-Based Child Health: A Cochrane Review Journal* (EBCH), which is the official journal of the European Paediatric Association (EPA). The journal includes an overview of reviews in each issue. These overviews synthesize data from two or more Cochrane Reviews on interventions for a particular condition. This innovative new form of evidence synthesis is aimed at busy clinicians who are seeking a quick overview of Cochrane evidence that is relevant to a particular clinical decision. Clinicians are the end users for these overviews, so CHF has clinicians integrally involved in the preparation process: topic selection, a priori selection of clinically relevant outcomes and writing the overviews. Each overview has an "implications for practice" section in order to explicitly draw out this important aspect for the busy reader.

Dr Michael Smith, Co-Editor-in-Chief of EBCH, was deeply involved in the needs assessment, the planning, the delivery and the evaluation of the evidence-based portions of EPA's two main conferences. "The Excellence in Paediatrics" was held in December 2010, and "Europaediatrics" was held in June 2011. The Field's involvement is aimed at increasing the uptake and use of systematic review evidence among members of the EPA.

In last year's funding application, the Child Health Field committed to "remaining responsive to opportunities that arise to support knowledge translation research." The CHF has partnered with the Paediatric International Patient Safety and Quality Collaborative (PIPSQC) in research and knowledge translation around the particular vulnerabilities to iatrogenic harm faced by infants, children and adolescents. Three presentations on this theme were accepted for the 2011 Cochrane Colloquium, and the CHF anticipates ongoing work with PIPSQC.

BIAS METHODS GROUP (BMG)

The Bias Methods Group has exceeded expectations in the last year with regards to building capacity. The group hosted an independent half-day workshop located at the Civic Hospital in Ottawa for 43 attendees. Visiting BMG members, Dr Dwan and Dr Kirkham, presented the recent developments of the Online Registry of Biomedical Informatics Tools (ORBIT) project. They also ran an interactive session on assessing outcome reporting bias for included studies in systematic reviews. At the 2010 Cochrane Colloquium in Keystone, Colorado, the BMG led four oral presentations pertaining to the assessment of bias in systematic reviews, along with three workshops. The BMG Annual General Meeting also took place, where three active members of the group presented and discussed current research findings. Lastly, the BMG led a 'hot-topic' debate pertaining to the assessment of bias, which was broadcast live globally via the Cochrane TV network.

The BMG led a workshop on the updated risk of bias tool in Vancouver, as well as an oral presentation, which provided detail on research that is to be submitted to *The Cochrane Library*. A standard author training session was held at the pre-symposium, and BMG conveners, Dr Moher and Dr Boutron, hosted a standard author training webinar series in early 2011. Dr Boutron also led standard author training and a workshop for assessing bias in

"Changing policy and protocols is an up-hill battle. Having sound evidence has certainly made it more convincing and easier to create new policies regarding who and when should receive certain services. It [*The Cochrane Library*] has also enabled me to not only draft new protocols but to also have them accepted."

– Dental consultant

systematic reviews in Paris on behalf of the BMG and in conjunction with the French Cochrane Centre in April 2011. The BMG also presented research on collaborative tools for conducting systematic reviews at the HTAi conference in June 2011.

Knowledge Translation (helping people use Reviews)

The BMG has a well-established network of review experts, statisticians, methodologists, clinicians, policy-makers and reviewers who are invested in producing and disseminating methodological research pertaining to bias and the conduct of systematic reviews. The BMG membership has steadily grown over recent years, now with 156 active members. The BMG sends its members bi-monthly emails that range in content from research publications of potential interest to news of upcoming events or requests for presentations and discussion.

The conveners of the BMG are heavily involved in guiding the reporting process for register controlled trials (RCTs) and systematic reviews. There is growing evidence to suggest that the Equator Network, associated checklists, and in particular, the Consolidated Standards of Reporting Trials (CONSORT) group's statement has had a substantial impact on the reporting quality of systematic reviews. The CONSORT website received over 10,000 hits in six months in 2011.

The BMG receives constant requests to provide training materials and slides. Its website, which has recently moved to bmg.cochrane.org, is a great platform to house such materials, as it is open to everyone.

After the completion of the Cochrane Risk of Bias Tool evaluation, the BMG distributed the tool's updates and improvements to everyone involved in the Collaboration. The BMG also established a Cochrane forum, which is open to any Cochrane author who has questions pertaining to bias assessment in included studies.

CAMPBELL AND COCHRANE EQUITY METHODS GROUP

In autumn 2010, the Campbell and Cochrane Equity Methods Group was approached by an American research institute seeking training on equity and systematic reviews. The Equity Methods Group was contracted by this group to provide three days of seminars and workshops on The

Cochrane Collaboration and conducting reviews. Erin Ueffing, Equity Methods Group Coordinator, led three days of training in the format of the Standard Author Training sessions offered by the Canadian Cochrane Centre, with an emphasis on equity issues and vulnerable populations. The Canadian Cochrane Centre generously provided materials and exercises, which were adapted to meet the needs of the client.

Over the past year, the Equity Methods Group has been providing leadership and guidance to the new Campbell International Development Coordinating Group, which prepares systematic reviews for The Campbell Collaboration. The Equity Methods Group helped the group develop title registration forms and ensure they address issues of equity that are relevant



CAMPBELL AND COCHRANE EQUITY METHODS GROUP, LOGIC MODELS WORKSHOP, 18TH COCHRANE COLLOQUIUM; KEYSTONE, COLORADO

to both the Equity Methods Group and the work in international development. A collaboration was also formed with the Centre for Systematic Reviews at icddr,b (Bangladesh). An international training program was developed that aims to enhance the skills of researchers who are interested in gathering and synthesizing health-related information and policies that affect low- and middle-income countries.

Eight face-to-face workshops and four webinars were conducted in 2010 - 2011, which have been well-received by participants. The feedback from these sessions indicate that the participants' learning needs were met, and the concepts were explained in clear ways that build capacity to conduct equity-relevant reviews.

The Campbell and Cochrane Equity Methods Group published a paper in the *British Medical Journal* on methods for equity-relevant systematic reviews (Tugwell 2010) after four years of work with the World Health Organization's Measurement and Evidence Knowledge Network. The paper has formed the basis of a new chapter for the *Cochrane Handbook of Systematic Reviews of Interventions*, which will give authors guidance on how to address equity and special populations in their Cochrane Reviews.

Knowledge Translation (helping people use Reviews)

With support from the Cochrane Opportunities Fund, the Equity Methods Group has been working on an initiative to help end-users determine whether results from systematic reviews can be applied to disadvantaged populations/settings. An extrapolation checklist was developed by drawing on items from existing checklists and consulting healthcare practitioners, researchers, consumers and policy-makers. The Equity Methods Group held a pilot session with Cochrane methodologists, review authors and staff to test the extrapolation checklist with specific scenarios. The scenarios asked them to apply results of Cochrane Reviews to specific disadvantaged populations (e.g. women, people in low- and middle-income countries, the poor, etc.). Afterwards, the checklist and the scenarios were refined. Two checklists were created: one for populations (to be used by policy-makers) and one for patients (to be used by practitioners). Feedback during a workshop and one-on-one consultations suggested further refinement to use the checklists as decision aids, taking into account the relative and absolute effects, quality of evidence, values of the intended recipients of the intervention (population or patients) and other issues, such as costs.

The Equity Methods Group has also conducted interviews on policy-briefs for knowledge translation in health equity and international development as part of a project to develop an Equity Evidence Aid database. This database will provide an evidence base on what works to improve the health of the disadvantaged, using user-friendly searching, displays and policy briefs.

GETTING THE WORD OUT: INTEGRATED KNOWLEDGE TRANSLATION

FACILITATION OF KNOWLEDGE TRANSLATION THROUGH PARTNERSHIPS

A key objective of Cochrane Canada is to raise awareness about the benefits of using systematic reviews and to strengthen Canada's healthcare system by helping people make well-informed decisions. This is done by the facilitation of knowledge translation (KT) through partnerships with relevant stakeholders, including: health care professionals, consumers/patients, policy- and decision-makers, Regional Sites, partner organizations and the media (to reach the general public). The two tables on the following pages provide a summary of linkage and exchange KT activities used to achieve this objective with our various stakeholders. Table 8 provides a more detailed account of the training activities that are facilitated by Cochrane Canada.

TABLE 7

Canadian Cochrane Centre Knowledge Transfer Products and Activities by Audience						
	Health professionals	Policy-makers	Consumers	Researchers	Media	Advisory Board
KT product or activity						
Push approaches						
CCC Website	X	X	X	X	X	X
<i>Relay Cochrane!</i> e-bulletin (quarterly)	X	X	X	X	X	
Cochrane Corners (on stakeholder websites)	X		X	X		
Journal Publications	X	X		X	X	
<i>Cochrane Library</i> subscriptions	X	X	X	X	X	
Conference exhibits	X	X	X	X		

Canadian Cochrane Centre Knowledge Transfer Products and Activities by Audience						
Pull approaches						
Introductory KT presentations	X	X	X	X	X	
Standard KT workshops (Using the Evidence)	X		X			
Health Systems Evidence (co-ordinated by Dr John Lavis)		X				
Cochrane Canada Symposium	X	X	X	X	X	X
Conference exhibits, presentations, workshops	X	X	X	X		
Collaboration communications						
<i>CCInfo</i> (biweekly)	X		X	X		
<i>Cochrane Blog</i>	X		X	X		
Annual Report	Faculties of Medicine	X	X	X		X

TABLE 8

Content Overview of Cochrane Canada Utilization Workshops by Audience				
Session Type	Policy-makers	Clinicians	Consumers	Researchers
Introductory	Finding the Evidence: An Introduction to The Cochrane Collaboration			
1 hour to ½ day workshop (all)	Introduction to evidence-based decisions/practice Defining an answerable question (PICO - Population, Intervention, Comparison, Outcomes) <i>The Cochrane Library</i> orientation Anatomy of a systematic review Introduction to The Cochrane Collaboration			
½ day	Additional sessions: Intro to Rx for Change and Health Systems Evidence	Additional sessions: Different kinds of reviews	Additional sessions: Becoming a critical thinker	Additional sessions: How systematic reviews are relevant to basic research Different kinds of reviews
	Required per year: 11 Actual: 20	<ul style="list-style-type: none"> • Introduction to Cochrane and <i>The Cochrane Library</i> : 5 face-to-face; 4 webinars; 1 conference (booth) • Presentations to Consumers: 2 • Health Systems Evidence database presentations to Policy-makers: 8 		
Standard	Assessing the Evidence			
½ day to full day	Critically appraising systematic reviews	Critically appraising systematic reviews How to review a Cochrane protocol/Review	How to review a Cochrane protocol/Review	Critically appraising systematic reviews Identifying research gaps
	Required per year: 4 Actual: 9	<ul style="list-style-type: none"> • Standard: Evidence utilization: 9 webinars 		
Advanced	Applying the Evidence			
½ day to full day	Using reviews to inform decisions	Applying evidence to practice	How to be a Knowledge Broker for Cochrane Writing Plain Language Summaries	Knowledge for Knowledge Translation: Integrating KT in research
	Required per year: 6 Actual: 15	<ul style="list-style-type: none"> • Train the Trainer for conducting webinars: 1 • Evidence-into-Policy workshops: 11 • Use of Research Evidence for Policy-makers webinars: 3 		
Total Workshops Required per Year		14		
Total Workshops Actual September 2010 - August 2011		44		
Total Participants		700+		

CONNECTING WITH CONSUMERS

Cochrane Canada aims to connect with health consumers (patients, caregivers, people with interest, etc.) and make them a part of the evidence-based health care practice. Throughout 2010 - 2011, the Canadian Cochrane Centre, Review Groups, Field and Method Groups reached out to consumers and offered them workshops in the utilization and creation of *The Cochrane Library* and Cochrane Reviews. This year, more than 39 consumers applied for the consumer stipend to attend the Vancouver symposium; more than three times the previous number of applications. Cochrane Canada was able to sponsor 14 consumers to attend the symposium, nine of whom were attending a Cochrane symposium for the first time. Consumers were able to attend pre-symposium and symposium sessions, some of which were offered by consumers themselves and others that were offered in conjunction with a researcher. Several consumers attended the pre-symposium workshop on knowledge translation. A consumer panel was part of the symposium program, and consumers spoke at plenary sessions, submitted abstracts and presented at poster sessions. The following table illustrates the work Cochrane Canada has done with consumers through September 2010 to August 2011.

TABLE 9

Cochrane Consumer Network Growth in Canada	
Canadian Cochrane consumer activities	Sept 2010 – Aug 2011
Growth and development of consumer network	
# new contacts with consumer organizations	9
# consumers attending workshops	28
Cochrane Canada support of consumer network	
# consumer workshops (target 2)	1

NOTE: INCLUDING NEW CONTACTS MADE IN THIS REPORTING YEAR, COCHRANE CANADA NOW HAS A TOTAL OF 22 CONTACTS WITH CONSUMER ORGANIZATIONS.

IMPROVING KNOWLEDGE TRANSLATION—PULL APPROACHES

Cochrane Canada continues to build capacity for pull approaches to support Cochrane Systematic Reviews being used as evidence in health care decision-making. Our Knowledge Brokers have given presentations and workshops that are specifically tailored to the needs of stakeholders, whether they are health care professionals, consumers or policy-makers. These workshops include pre-symposium and symposium workshops on knowledge translation (KT), evidence utilization and author training.

Web-based interactive presentations proved to be a successful KT format throughout 2010 - 2011. Four stakeholder groups have worked with our Knowledge Brokers to come up with ways to offer webinars in other provincial/territorial jurisdictions. These stakeholder groups include the Canadian Physiotherapy Association, the Canadian Association of Dental Hygienists, the Ontario Chiropractic Association with the Canadian Chiropractic Research Foundation and the Dietitians of Canada. The webinars cover what a Cochrane Review is, how a review is written, how to search *The Cochrane Library* and how to use a review.

Stakeholders continue to express interest in learning how to search the Cochrane Database of Systematic Reviews. In addition to Cochrane Systematic Reviews, they have found other Cochrane resources valuable such as the Cochrane Journal Club, podcasts (summaries of selected reviews) and the Special Collections feature. An "Introduction to Cochrane," live webinar series for the Ontario Chiropractic Association was very well attended: 138 people registered for the three-part webinar series, and it received positive feedback from participants. Using web-based learning for knowledge translation has become increasingly popular. Online training has been very well received and is preferred by some audiences. The combined number of knowledge utilization workshops and webinars has exceeded output expectations. Cochrane Canada presented at a KT workshop, "The Nova Scotia Health Research Foundation (NSHRF) Orientation to Knowledge Translation," at the Ottawa Hospital Research Institute (OHRI). The evolution, basics, synthesis and capacity building in knowledge translation, knowledge translation to policy-makers and professionals about Cochrane Reviews were presented and discussed. This meeting provided an opportunity to share KT information and strategies and network with attendees.

Cochrane Canada has set up meetings to strengthen its present relationships with its partners in government and the CIHR Institutes (Institute of Infection and Immunity, Strategy for Patient-Oriented Research, Institute of Health Services and Policy Research) and forge new relationships with other government departments, such as the Office of Consumer and Public Involvement Health Products and Food Branch, Health Canada. Cochrane Canada was invited to participate in the Citizen Engagement Forum to improve public engagement with Canadian citizens who are interested in health care. The forum gave several government departments the chance to get together, network with each other and discuss how to improve engaging citizens in decisions about health care. Cochrane Canada will continue contributing to these biannual meetings.

LINKAGE AND EXCHANGE APPROACHES TO KNOWLEDGE TRANSLATION

The affiliation between Cochrane and its 26 partner organizations remains strong. Partners have continued to support Cochrane Canada by posting *Cochrane Corners* and information about our workshops and reviews on their websites and in their newsletters. The *Cochrane Blog's* audience has grown and the number of subscriptions to *Relay Cochrane!*, the Canadian newsletter, has grown to 2200.

"Excellent way to be able to access information from any portal while on the go. Great way to keep up with the evidence. Good resource to point patients towards to help them understand 'good' versus 'bad' web health resources. A huge asset for Canadians to be able to access."

- New Brunswick physician

Partner member engagement has increased with several new activities being initiated in 2010 - 2011. The Canadian Dental Hygienists Association worked with the CCC to record and post an on-demand three-part webinar series in French, titled, "Introduction to Cochrane." CCC also partnered with the Canadian Chiropractic Association and the Ontario Chiropractic Association to provide live introductory webinars over three consecutive weeks. These

webinar sessions reached the Ontario associations, and plans are being made to reach members in other provinces and territories over the next year. All of the webinar sessions were tailored to health care professionals.

The Canadian Physiotherapy Association (CPA) has partnered with the CCC in completing two three-part webinar series. The first series has been completed. This was an integrated KT approach that paired a presenter from Cochrane with a speaker that represented the CPA. The course content and delivery was a collaborative approach tailored to physiotherapists. A second three-part series is being developed and will be available November 2011. Wiley-Blackwell, *The Cochrane Library* publisher, has provided a free trial to *The Cochrane Library* for those enrolled in the course.

Another project that began this year also uses an integrated KT approach in the development of a peer-review module that encourages dietitians to understand research and become more involved with it by developing the skills to become peer reviewers. Dietitians from clinical, research and academic backgrounds, Managing Editors from Cochrane Review Groups and the CCC are collaborating in the development of the peer review module. The commitment from partners involved in KT projects has strengthened their collaborative relationship with the Canadian Cochrane Centre.

While there has been ongoing linkage and exchange with previous partners such as the Canadian Partnership Against Cancer (CPAC), we are developing new partnerships with organizations such as The Institut national d'excellence en santé et en services sociaux (INESSS), which succeeded The Conseil du médicament and the Agence d'évaluation des technologies et des modes d'intervention en santé (AETMIS). The aim of INESSS is to bring together the knowledge from several sources to promote clinical excellence and the efficient use of health and social services. The CCC has also met with the Canadian Obesity Network and a representative from the Heart and Stroke Foundation to discuss future partnerships.

RESOURCES FOR POLICY-MAKERS

RX FOR CHANGE

The Effective Practice and Organisation of Care (EPOC) Review Group has partnered with COMPUS (a program of the Canadian Agency for Drugs and Technologies in Health) to develop and provide content for the Rx for Change Database. Rx for Change is a searchable database that contains summaries of current systematic review evidence about intervention strategies used to alter prescribing, practice and usage. The EPOC Group's Coordinating Editor, Dr Jeremy Grimshaw, is the Principal Investigator for Rx for Change, and the EPOC Group's Managing Editor, Alain Mayhew, and the Trials Search Coordinator, Michelle Fiander, are important members of the study team. An intervention classification scheme developed by the EPOC Group is used to organize systematic review summaries targeting professional, organizational, financial and regulatory strategies. The database also includes systematic reviews of consumer-based strategies for drug use. The purpose of the database is to help inform the choice and use of practical, evidence-based interventions. Updates to the database were made in December 2010 and August 2011 (cadth.ca/en/resources/rx-for-change).

HEALTH SYSTEMS EVIDENCE

Health Systems Evidence is a database of research evidence about governance, financial and delivery arrangements within health systems. It also includes implementation strategies that can support change in health systems. The Cochrane Policy Liaison Office aims to code all reviews in the Health System Evidence database according to national priorities. Coding all of the reviews will help when searching the database by priority and it will assess the compatibility of relevant existing

reviews. This is a short-term project, and the target was to have 200 reviews coded throughout September 2010 – August 2011. Currently 28 evidence-briefs, 22 overviews, 1546 reviews and 182 protocols have been coded.

Connections were made with 10 relevant organizations involved in areas such as cancer care, chronic pain management, global health, advanced practice nursing and poverty and its impact on health in order to promote the use of policy-relevant systematic reviews. John Lavis, professor and director of the McMaster Health Forum, met with the Michael Smith Research Foundation in May 2011 to bring their attention to reviews that exist in newly identified priority areas.

The Health Systems Evidence database and website are kept current and updated. New reviews are constantly being identified and made readily available to policy-makers, and many enhancements are planned, such as designing a more flexible search interface.

This year, eight presentations were held to promote the Health Systems Evidence database, which were directed towards health system managers and policy-makers. The use of the database has since increased, with 1533 home page visits in August 2011 (926 unique).

A monthly online evidence service distributes systematic reviews and review-derived products/ messages to policy- and decision-makers in Canada. There are 659 subscribers to the evidence services, and 41 issues of six services have been produced. The CCC Policy Liaison Office is currently in the process of translating the evidence service's monthly content to promote French access.

RESEARCH EVIDENCE UTILIZATION WORKSHOPS TARGETED TO POLICY-MAKERS

One of the CCC Policy Liaison Office's main objectives is to provide access to expertise in global health research. Eight evidence briefs, seven overviews, 348 reviews and 58 protocols were found, coded and entered into the Health Systems Evidence database throughout September 2010 – August 2011, all relating to priority areas in health care. The Policy Liaison Office also linked with the World Health Organization and four of its regional offices to support their production of 15 policy briefs that draw from Cochrane Reviews. These policy briefs help people understand pressing health problems, options for addressing them and key implementation considerations.

In the past year, 11 workshops and three webinars about research utilization, which were targeted to health system managers and policy-makers, were delivered in collaboration with the Canadian Cochrane Centre. The development of online training materials is an ongoing process and will continue over the next four years.

DISSEMINATION AND COMMUNICATION CONTRIBUTIONS

The CCC plays a key role in the marketing and communications efforts of The Cochrane Collaboration. The Centre's Executive Director (ED), Mary Ellen Schaafsma, and the Communications Specialist (CS), Lori Tarbett, both serve on the project board created to oversee the work of Delta Media, a professional firm hired to create a Marketing and Communications Strategy for the Collaboration. The strategy was completed in August 2011 and will be submitted to the Steering Group for approval at the 2011 Colloquium in Madrid, Spain. The ED and CS also served on the previous Marketing and Communications Working Group, as the Chair and member, respectively, which outlined the measures needed to enhance Collaboration communications and oversaw the hiring of the professional media firm. The CS and ED wrote the request for proposals which was circulated to professional marketing and communications firm internationally and resulted in the hiring of Delta Media.

The CCC is also responsible for disseminating news on behalf of The Cochrane Collaboration. The Centre's Office Coordinator, Lisa McGovern, compiles Collaboration news submissions which she distributes biweekly in an email newsletter, *CCInfo*, which contains workshop, event and job announcement information relevant to Collaboration members. She is also responsible for maintaining the newsletter page on the Collaboration website, cochrane.org. The Communications Specialist maintains the Collaboration's Blog which features submissions from Collaboration members relevant to evidence-based medicine and the activities of The Cochrane Collaboration. The CS also writes and distributes media releases on behalf of the Centre and Collaboration.

During the last year, the Communications Specialist began working for the Collaboration on a secondment as the Marketing and Public Relations Officer (MPRO). Her role involves co-ordinating communications activities such a media relations as well as overseeing the implementation of the marketing and communications strategy. She serves as the Collaboration's MPRO four days a week and remains the Centre's Communications Specialist one day each week.

TABLE 10

Communication Tools	
Canadian Cochrane Centre Website	The CCC website (ccc.cochrane.org) is a stepping stone to the wealth of information about Cochrane and <i>The Cochrane Library</i> , acting as the central contact point for news about Cochrane activities in Canada.
Cochrane Canada Facebook Group	facebook.com/#!/group.php?gid=143550968998512 Facebook provides another method of disseminating Canadian Cochrane news.
Cochrane Canada Twitter Account	@cochranegirl! Twitter allows the Centre to share quick updates with its followers.
<i>Relay Cochrane!</i>	A user-friendly, bilingual, e-bulletin, <i>Relay Cochrane!</i> was launched in August 2007 for health practitioners, policy-makers and consumers in Canada. It is published quarterly; originally to coincide with the publication of each issue of <i>The Cochrane Library</i> , which is now published monthly.
Google Alerts	The CCC uses Google Alerts to flag internet content pertaining to the Canadian Cochrane Centre, Cochrane Canada, The Cochrane Collaboration and Cochrane Reviews. This allows for intimate tracking of where and how information about, and from, Cochrane is being used and is instrumental in learning which reviews are generating the most discussion and, therefore, helps promote pertinent reviews through such means as <i>Relay Cochrane!</i>
Cochrane Corners	Cochrane Corners are space on partner websites dedicated to Cochrane Reviews relevant to their field. The Centre supports the Cochrane Corners of the following organizations: Canadian Association of Speech-Language Pathologists and Audiologists, National Eating Disorder Information Centre, Emergency Medical Services of Dalhousie University and the CIHR Institute of Infection and Immunity.

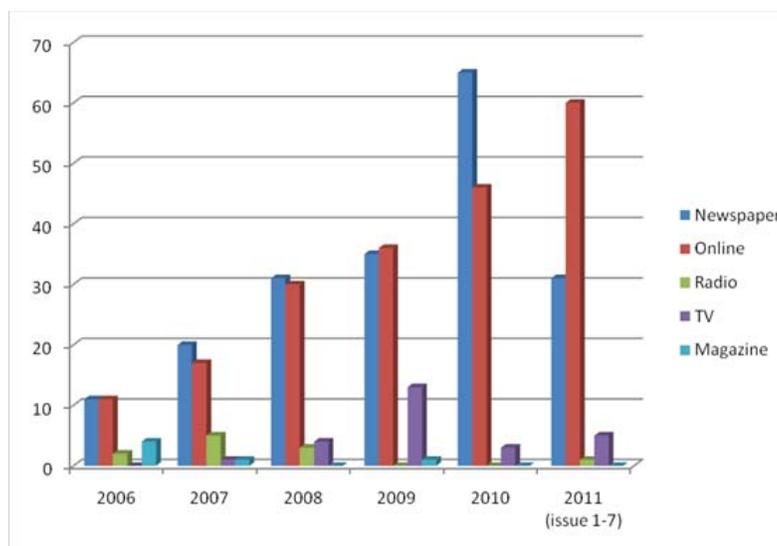
Communication Tools

Media Releases	Media releases are instrumental in connecting with journalists who then disseminate Cochrane evidence to the general public. Throughout the reporting period, the CS/MPRO has distributed six media releases on behalf of the Canadian Cochrane Centre and The Cochrane Collaboration.
Presentations/exhibits	Presentations and workshops provide a forum for Cochrane members to explain the work of The Cochrane Collaboration and the Canadian Cochrane Centre, as well as the value of Cochrane evidence. Centre staff have participated in 17 presentations and exhibits explaining the work and achievements of the Centre and Collaboration throughout the last year.

Media coverage of Cochrane Reviews featured in *The Cochrane Library* continue to grow as demonstrated in the table and graph below.

TABLE 11

Media Coverage						
Year	Newspaper	Online	Radio	TV	Magazine	Total
2006	11	11	2	0	4	28
2007	20	17	5	1	1	44
2008	31	30	3	4	0	68
2009	35	36	0	13	1	85
2010	65	46	0	3	0	122
2011 (issue 1-7)	31	60	1	5	0	97



CANADIAN COCHRANE SYMPOSIA

The Canadian Cochrane Symposium is an important annual event providing the opportunity for the Cochrane community in Canada and our stakeholders to learn, network, exchange knowledge and foster new relationships and opportunities. Symposia rotate around the country, with each event hosted by a different Cochrane group or site. Cochrane Canada's 9th Annual Symposium was held in Vancouver, B.C. on 16 - 17 February 2011 with pre-symposium workshops taking place on 14 - 15 February. The theme of this year's symposium was *Early Exposure to Cochrane: accessible, credible and practical*, focusing on ensuring that evidence-based decision making and Cochrane Systematic Reviews are being taught in medical and health sciences schools. Over 200 people attended the 2011 Symposium. It was a major success, and we look forward to Cochrane Canada's 10th Annual Symposium, to be held in Winnipeg, Manitoba.



↑ 9TH ANNUAL COCHRANE CANADA SYMPOSIUM, VANCOUVER, BC



↑ JOHN MACDONALD, INFLAMMATORY BOWEL DISEASE AND FUNCTIONAL BOWEL DISORDERS GROUP; MARY ELLEN SCHAAFSMA, CANADIAN COCHRANE CENTRE; VICTORIA PENNICK, BACK GROUP; 9TH ANNUAL COCHRANE CANADA SYMPOSIUM; VANCOUVER, BC



← 9TH ANNUAL COCHRANE CANADA SYMPOSIUM SOCIAL EVENT; DINNER AT TOP OF VANCOUVER REVOLVING RESTAURANT

JORDI PARDO PARDO, CAMPBELL AND COCHRANE EQUITY METHODS GROUP; AL MAYHEW, EFFECTIVE PRACTICE AND ORGANISATION OF CARE GROUP; DENISE THOMSON, CHILD HEALTH FIELD; TAMARA RADER, COCHRANE MUSCULOSKELETAL GROUP; ELIZABETH GHOGOMU, COCHRANE MUSCULOSKELETAL GROUP; ADRIENNE STEVENS, CANADIAN COCHRANE CENTRE; EILEEN VILIS, CANADIAN COCHRANE CENTRE.



← LORI TARBETT, CANADIAN COCHRANE CENTRE, AND LISA MCGOVERN, CANADIAN COCHRANE CENTRE; 9TH ANNUAL COCHRANE CANADA SYMPOSIUM, VANCOUVER, BC



↑ 9TH ANNUAL COCHRANE CANADA SYMPOSIUM SOCIAL EVENT; DINNER AT TOP OF VANCOUVER REVOLVING RESTAURANT

VICTORIA PENNICK, BACK GROUP; CHANTELLE GARRITTY, OTTAWA METHODS CENTRE; ADRIENNE STEVENS, CANADIAN COCHRANE CENTRE; LUCY TURNER, BIAS METHODS GROUP.

IMPACT OF COCHRANE IN CANADA

CLINICAL IMPACT

Cochrane Systematic Reviews (CSRs) present health care providers and policy-makers with a comprehensive synthesis of the most recent and relevant health care research. CSRs are an important base of information, and they are often used to inform the development of clinical practice guidelines in Canada.

Here are a few examples of how Cochrane Canada has influenced clinical practice guidelines:

- Several osteoporosis CSRs published by the Cochrane Musculoskeletal Group were included in British Columbia's Clinical Practice Guidelines and Protocols called, "Osteoporosis: Diagnosis, Treatment and Fracture Prevention." The Musculoskeletal Group also publishes regularly in the *Journal of Rheumatology*, with seven publications in the last year.
- The Upper Gastrointestinal Group's CSRs were used to inform two guidelines in 2010, which were published by *The Annals of Internal Medicine* and *The American Journal of Gastroenterology*.
- In March 2011, the Back Group presented at the 11th International Forum on Low-Back Pain Research in Primary Care in Melbourne, Australia. The Group examined whether or not Cochrane back and neck reviews have made an impact on practice. They found that 32 BRG reviews have been used in clinical practice guidelines and clinical decision-aids since 2008.
- The Hypertension Group's review, "Beta-blockers for hypertension," was listed as one of *The Cochrane Library's* top 10 most accessed reviews. It was used extensively by clinical guideline developers as a basis for establishing the role of this class of drugs in treatment guidelines.

Cochrane is becoming better-known as a reliable source of health information, leading CSRs to also have an influence on clinical practice guidelines in countries outside of Canada. The Back Group has had 20 of its reviews cited in Germany's recent Kreuzschmerz guideline. Throughout 1 September 2010 – 31 August 2011, six international organizations utilized reviews by the Inflammatory Bowel Disease and Functional Bowel Disorders Group. Examples include the British Society of Gastroenterology and the World Congress of Gastroenterology Guidelines on Biological Therapy for IBD. The U.S. Government Accountability Office requested that the EPOC Group provide input on a Report to Congressional Requesters, titled "Value in Health Care."

Entities of Cochrane Canada are involved in several projects that will improve how CSRs are conducted, analyzed and put into practice. The Bias Methods Group has applied to the Cochrane Methods Innovation Fund for monies to support the development of a portfolio of tools. The tools will be used to assess bias in primary studies of all designs as a part of The Cochrane Collaboration's guidance. The project, which is expected to last two years, will be groundbreaking for the conduct of systematic reviews, standardizing and assisting the assessment of bias and the grading of evidence housed within Cochrane Reviews.

The Campbell and Cochrane Equity Methods Group is leading the development of an Equity-Extension to PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analysis). The current reporting guidelines for systematic reviews need to be modified so equity-focused reviews reflect specific concerns and methods used. The Equity-Extension is in collaboration with David Moher and has received funding from the CIHR Institute of Gender and Health and the Rockefeller Foundation. It aims to improve the analysis and reporting on effects of health interventions in poor and vulnerable populations.

GROWTH OF COCHRANE IN CANADA

Cochrane Canada continues to grow each year as it gains the support of an increasing number of Canadians. We have created nine new contacts with consumer organizations, totaling 22 organizations as of August 2011. The growth of Cochrane in Canada is credited to Cochrane entities and their expanding membership lists. In the past year, the Equity Methods Group has added 77 new Canadians to its membership list, significantly exceeding the target goal of eight. The EPOC Group's membership, including all roles in all countries, has increased from 1420 to 1504 members, and 15 per cent of all members are based in Canada.

Along with becoming members, more Canadians are also interested in becoming review authors. Throughout August 2010 – September 2011, 152 Canadians became Cochrane Review authors. This has increased our Canadian author base from 1445 to 1597 over a one-year period. As of August 2011, the UGPD Group has 52 authors and 17 peer reviewers based in Canada. The IBD/FBD Group has recruited 12 new Canadian authors, increasing its total to 79. Overall, Canadian authors have contributed to the IBD/FBD Group's publication of 30 reviews and 29 protocols since the Group started in 1994.

Cochrane Canada's entities develop relationships with other organizations and work together to discover ways of increasing the use of systematic reviews and providing Canadians with the proper knowledge to make well-informed health care decisions. In May 2011, the Bias Methods Group was represented at a select working group at the University of Ottawa, along with members from other Canadian entities, CIHR members and health care professionals from across the country. A two-day discussion regarding equity,

gender and bias in systematic reviews took place. The working meeting was a great opportunity for discussion and collaboration and, as a result, steps have been taken to develop work around these issues and discover means to mitigate potential biases in reviews. The Cochrane Musculoskeletal Group was approached to participate in the "Getting a Grip on Arthritis Online Meeting Grant" in Toronto, from June 20 - 21, 2011. The aim of the meeting was to plan the development of an inter-professional online learning program for primary health care providers in Canada. Working with external organizations helps spread knowledge about systematic reviews and The Cochrane Collaboration, encouraging more Canadians to become involved with Cochrane Canada.

"It is becoming increasingly difficult to find honest, reliable, and practical information to run my family practice. I have relied on *The Cochrane Library* to inform me what the best non-biased evidence is on many different topics."

- Jason Murdoch, family physician

SPECIAL PROJECT

FRENCH TRANSLATIONS OF PLAIN LANGUAGE SUMMARIES AND ABSTRACTS

The Canadian Cochrane Centre has gratefully received a total of \$300,000 from the Canadian Institutes of Health Research (CIHR), the Institut national d'excellence en santé et en services sociaux (INESSS) and the Ministry of Health of Quebec in order to contribute to the ever growing need of French translations within *The Cochrane Library*. It is very important to provide health treatment evidence in multilingual formats and this generous grant is helping Canada engage in this process. Cochrane representatives are working with colleagues at the French Cochrane Centre in France to translate as many Plain Language Summaries and abstracts as possible in *The Cochrane Library*. Further to this initiative, the *Library's* publisher, Wiley-Blackwell, has reworked the *Library's* framework in order to provide multilanguage viewing. Available translations can be viewed in [The Cochrane Library](#) now.



JORDI PARDO PARDO, CAMPBELL AND COCHRANE EQUITY METHODS GROUP; DAVID MOHER, BIAS METHODS GROUP; OTTAWA COCHRANE GROUPS POOL PARTY, MARCH 2011.



VIVIAN WELCH, COCHRANE MUSCULOSKELETAL GROUP; TAMARA RADER, MUSCULOSKELETAL GROUP; EILEEN VILIS, CANADIAN COCHRANE CENTRE; OTTAWA COCHRANE GROUPS POOL PARTY, MARCH 2011.

INCREASING AWARENESS OF THE COCHRANE LIBRARY

The Cochrane Collaboration receives media attention for its systematic reviews that draw an attraction from a wide variety of stakeholders. Each year, the amount of media coverage increases as *The Cochrane Library* continues to gain recognition as a respectable source of health information. In 2010, there were almost 4000 media clips posted about the Collaboration and CSRs. Between January 2011 - August 2011, an eight-month period, this number has already been surpassed with a total of 4400 media clips. The top five stories in 2011 so far (out of a list of 20) that make up 70 per cent of all clips are:

Zinc Reduces the Burden of the Common Cold	(Issue 2) 1051
Cutting Down on Salt Doesn't Reduce Your Chance of Dying	(Issue 7) 906
Statins: Benefits Questionable in Low-Risk Patients	(Issue 1) 492
Antioxidants May Improve Chances of Conceiving In Male Subfertility	(Issue 1) 349
Music Reduces Anxiety in Cancer Patients	(Issue 8) 344

Out of all of the countries involved with the Collaboration, Canada is the fourth highest country with the most amount of media coverage from January 2011- August 2011, with a total of 162 clips.

The Cochrane Database of Systematic Reviews (CDSR) 2010 Impact Factor (IF) is 6.186, which has risen 10 per cent over the past four years. The CDSR is now ranked in the top ten in the category of "Medicine, General & Internal." Cochrane Canada's entities have also experienced growth in their individual Impact Factors. The Musculoskeletal Group had an IF of 7.310 in 2010 (up from 6.409 in 2009). This is an exceptional result compared to other related journals, such as *Orthopedics* with an IF of 1.164 and *BMC Musculoskeletal Disorders* with an IF of 1.941. The Back Review Group (BRG)'s IF continues to do well in the rankings, with an increase from 5.682 in 2009 to 6.000 in 2010. A recent BRG review, "Botulinum toxin for subacute/chronic neck pain," received a great deal of media attention with 121 media hits. IBD/FBD Group's (which has an IF of 6.182) review, "Bulking agents, antispasmodics and antidepressants for the treatment of irritable bowel syndrome," published in issue eight of *The Cochrane Library*, was in the top 10 accessed reviews (number three of 10) for September 2011 in the *Evidence Updates: BMJ Evidence Centre* database.

As of August 2011, the Cochrane Database of Systematic Reviews holds 6712 articles: 4714 reviews and 1998 protocols. In January 2011, the CDSR changed from quarterly to monthly publication, and in August 2011, Cochrane Reviews were given a new online 'look' and 'feel,' making them easier to read and search for information.

INCREASING USE OF THE COCHRANE LIBRARY BY CANADIANS

In a nine-month period throughout 2010 - 2011, the number of abstracts viewed has increased by an astounding 85 per cent since 2009; a time when *The Cochrane Library* was freely accessible to Canadians for most of the year. Now that the national license pilot project has ended, the number of denied accesses in 2010 - 2011 has also increased by over 100 per cent. We are continuing to pursue various options to find funding for a national license for *The Cochrane Library* in Canada.

"The money saved in stopping treatments that do not work because of evidence found in *The Cochrane Library* more than pays for the *Library* itself. If we are really concerned about the sustainability of the health care system, we need to get good information into the hands of our Canadian citizens."

- Dr Jeremy Grimshaw, Co-Chair of The Cochrane Collaboration, Canadian Cochrane Centre Director and Canada Research Chair in Health Knowledge Transfer and Uptake.

TABLE 12

Cochrane Library use by Canadians			
Year	# abstracts viewed	# full text downloads	# access denied
1 Sept 2010 – 31 May 2011	335,797	138,836	77,061

*Stats from 31 May - 31 August 2011 are currently unavailable.

LINKING WITH CIHR

The Canadian Cochrane Centre works closely with the Canadian Institutes of Health Research (CIHR) in many ways. As our largest funder, it is extremely important to the CCC to keep in touch with the Institutes and work together to spread the knowledge of evidence-based health care across Canada. Cochrane Canada uses Cochrane Corners as a dissemination method, which highlights Cochrane Systematic Reviews on partner organization's websites that are relevant to their area of interest. Several of our entities maintain Cochrane Corners on CIHR websites. The Cochrane Musculoskeletal Group (CMSG), in conjunction with the Cochrane Back Review Group, maintains a Cochrane Corner on the Institute of Musculoskeletal Health and Arthritis' website. The CMSG has submitted seven new reviews and three updates to the Cochrane Corner, and the Back Group has submitted review abstracts in English and French.

The Equity Methods Group has developed a Cochrane Corner for the Institute of Gender and Health, and the first corner was published in September 2010. Sex- and gender-relevant reviews are published on the Cochrane Corner every three months. Six review summaries have been published as of August 2011, and two more have been submitted for French translation. The Equity Methods Group also contributed to the Institute of Gender and Health's newsletter in November 2010.

The Upper Gastrointestinal and Pancreatic Diseases (UGPD) Group has links with two CIHR Institutes: the Institute of Cancer Research and the Institute of Nutrition, Metabolism and Diabetes (INMD). The UGPD Group hopes to contribute to an institute's Cochrane Corner in the coming year and continue working towards its goal of publishing a Cochrane Review relevant to each institute by 2014.

Interactions between the Institutes and Cochrane Canada entities have taken place throughout the year to discuss how to improve knowledge translation dissemination methods. On 31 May 2011, John MacDonald, IBD/FBD Managing Editor, participated in a conference call with the scientific director and assistant directors of the INMD to discuss how Cochrane Canada can contribute to INMD priorities. John also wrote a news item for the INMD's August 2011 newsletter highlighting the need for systematic reviews and introducing The Cochrane Collaboration, *The Cochrane Library* and the IBD/FBD Review Group.

CIHR is involved in several of Cochrane Canada's projects. A planning grant, submitted by the Equity Methods Group in collaboration with the *Working Group on Sex and Gender in Systematic Reviews in Health*, was approved by CIHR to develop KT one-page reports for five Review Groups. Dr Lisa Hartling, one of the Child Health Field Coordinators, received \$41,817 from CIHR as an operating grant for a project called, "Quantifying bias in randomized controlled trials in child health."

Cochrane Canada stays actively involved with CIHR in several ways. EPOC has included representation from CIHR on its Rx for Change database steering group. Tamara Rader, on staff at the CMSG, is a member of the IMHA Knowledge Exchange Task Force and the IMHA Institute of Advisory Board's Partnerships and Knowledge Translation Committee. Lastly, two of the UGPD Group editors sit on the committee for the CIHR Knowledge Creation Program. The Canadian Cochrane Centre greatly appreciates having the support of CIHR and will continue working towards its initiative to address health systems research in Canada and improve access to important evidence in health care.

APPENDIX: OPEN ACCESS REVIEWS

Our CIHR funding is used by Canadian Cochrane Review Groups to provide indirect administrative, editorial and scientific support of review authors located globally, and the individual review authors are expected to find their own funding for the direct costs of conducting their review. This indirect support model provides considerable leverage of the CIHR funding, though not funding specific reviews, but supporting overall review production in general. Given these considerations, the following reviews have been made available as Open Access in PubMed Central following the 12-month embargo period required by the publisher.

Ford AC, Delaney B, Forman D, Moayyedi P. Eradication therapy for peptic ulcer disease in *Helicobacter pylori* positive patients. *Cochrane Database of Systematic Reviews* 2006, Issue 2. Art. No.: CD003840. DOI: 10.1002/14651858.CD003840.pub4.

Vogt K, Fenlon D, Rhodes S, Malthaner R. Preoperative chemotherapy for resectable thoracic esophageal cancer. *Cochrane Database of Systematic Reviews* 2006, Issue 3. Art. No.: CD001556. DOI: 10.1002/14651858.CD001556.pub2.

Rostom A, Dube C, Wells GA, Tugwell P, Welch V, Jolicoeur E, McGowan J, Lanus A. Prevention of NSAID-induced gastroduodenal ulcers. *Cochrane Database of Systematic Reviews* 2002, Issue 4. Art. No.: CD002296. DOI: 10.1002/14651858.CD002296.

Waseem Z, Boulias C, Gordon A, Ismail F, Sheean G, Furlan AD. Botulinum toxin injections for low-back pain and sciatica. *Cochrane Database of Systematic Reviews* 2011, Issue 1. Art. No.: CD008257-DOI: 10.1002/14651858.CD008257.pub2.

Sherlock ME, Seow CH, Steinhart AH, Griffiths AM. Oral budesonide for induction of remission in ulcerative colitis. *Cochrane Database of Systematic Reviews* 2010, Issue 10. Art. No.: CD007698. DOI: 10.1002/14651858.CD007698.pub2.

Chande N, McDonald JWD, MacDonald JK, Wang JJ. Unfractionated or low-molecular weight heparin for induction of remission in ulcerative colitis. *Cochrane Database of Systematic Reviews* 2010, Issue 10. Art. No.: CD006774. DOI: 10.1002/14651858.CD006774.pub3.

Langevin P, Peloso PMJ, Lowcock J, Nolan M, Weber J, Gross A, Roberts J, Goldsmith CH, Graham N, Burnie SJ, Haines T. Botulinum toxin for subacute/chronic neck pain. *Cochrane Database of Systematic Reviews* 2011, Issue 7. Art. No.: CD008626. DOI: 10.1002/14651858.CD008626.pub2.

SPECIAL PROJECT

DR COCHRANE

The Canadian Cochrane Centre was awarded a sum of \$100,000 for a Meetings, Planning and Dissemination grant from CIHR, approved in May 2011 in order to develop Dr Cochrane learning modules designed to aid in continued learning for healthcare workers. Dr Cochrane is a popular learning method within The Cochrane Collaboration and uses short vignettes involving a fictional 'Dr Cochrane' which are designed to be worked through using Cochrane Review evidence. The goal is to create 40 - 50 review specific modules, CPD accredited within both Canada and the U.S., hosted on an online platform provided by Wiley-Blackwell, *The Cochrane Library's* publisher. It is hoped that this new stream of learning

CELEBRATING 20 YEARS OF COCHRANE!

The Cochrane Collaboration is celebrating its 20th birthday along with the 21st Anniversary of the Cochrane Colloquium in 2013.

Cochrane Canada is proud to announce that we will be hosting this tremendous celebration in beautiful, historic Quebec City from 19 - 23 September 2013.

We invite you to come and celebrate with us as this promises to be the most exciting year and Colloquium to date.

Keep checking colloquium.cochrane.org for more information on upcoming colloquia.

JOIN IN THE CELEBRATION!

QUEBEC
19-23
SEPTEMBER 2013

21st COCHRANE COLLOQUIUM

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