

# AFMC-Infoway Physicians in Training – Project in Review:

## Accelerating Engagement: Patient-focused Digital Health Solutions for Faculty and Residents in Medical Education



## Project in Review

# Project Overview

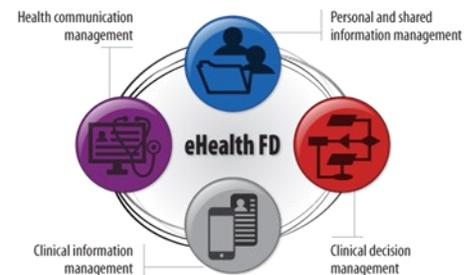
The Association of Faculties of Medicine of Canada (AFMC) represents the 17 faculties of medicine in Canada, and supports the goals of the medical faculties relating to “research, medical education, and clinical care with social accountability.”

In 2015, Canada Health Infoway and the AFMC partnered again to complete phase two of the Physicians in Training project, with a focus on training the trainers to create nationally delivered, accredited eHealth faculty development workshops and a toolkit for medical educators, including residents who teach. Given that the integration of eHealth into medical curricula and assessment is still low and sporadic across our medical faculties, the project also focused on raising the awareness of educators, deans and key faculty of eHealth’s importance for current and future medical practice. The project is part of Infoway’s broader Clinicians in Training strategy, which focused on students and faculty from the nursing, pharmacy, and medical professions.

This phase of the project successfully delivered 16 live, nationally accredited, eHealth faculty development (FD) workshops via webinars (4 workshops per series, delivered 4 times each) and developed a workshop toolkit of resources freely available on CHEC (including 11 vodcasts/ 3 podcasts derived from the workshops and associated study guides in English and French). The project also helped advocate for the integration of eHealth into medical curricula and assessment with key medical faculty and stakeholders.

## Activities Around Content/Workshop & Advocacy

Four workshops were developed and accredited in the following areas: Personal & Shared Information Management, Clinical Decision Management, Clinical Information Management, & Health Communication Management. A survey was also developed and administered both pre- and post- workshop, to assess participants’ eHealth knowledge and use of eHealth tools and to demonstrate some of the benefits of the project.



## Dissemination/Engagement

The following table shows the level of participation and engagement at the live workshops, as well as the recorded vodcasts and podcasts:

Workshop Module	Workshop Minimum Participant Target	Participants Actual (live)	Participants Actual (recorded)	Total Actuals
Personal & Shared Information Management	60	55	77 (4 vodcasts)	132
Clinical Decision Management	60	61	490 (5 vodcasts)	551
Clinical Information Management	60	38	28 (3 podcasts)	66
Health Communication Management	60	48	34 (2 vodcasts)	82
Totals	240	202	629	831

**A total of 95 advocacy events, meetings, activities or engagements occurred during the project timeframe. It is estimated that the advocacy work reached over 1,700 individual faculty and individuals at partner organizations across Canada.**

# Key Contributors

## AFMC-Infoway Workshop Contributors/Developers:

- Candace Gibson, Western University
- Robert Hayward, University of Alberta, Alberta Health Services
- Gerard Farrell, Memorial University of Newfoundland
- Aviv Shachak, University of Toronto
- Elizabeth Borycki, University of Victoria
- Andre Kushniruk, University of Victoria
- Shmuel Reis, Bar-Ilan University
- Sharon Domb, University of Toronto, Sunnybrook Health Services Centre

## AFMC-Infoway Content Reviewers:

- Andrew Grant, Université de Sherbrooke
- Dominic Covvey, University of Waterloo, National Institutes of Health Informatics
- Jean-Paul Fortin, Université Laval
- Alex Singer, University of Manitoba
- Saeed Samet, Memorial University of Newfoundland
- Michel Boivin, Université de Sherbrooke
- Amanda Condon, University of Manitoba
- James Chan, University of Toronto
- Marcus Law, University of Toronto
- David Topps, University of Calgary
- Kalyani Premkumar, University of Saskatchewan

## AFMC-Infoway Leadership Committee:

- Ilona Bartman, Medical Council of Canada
- Melanie Bechard, Hospital for Sick Children
- Rashaad Bhyat, Canada Health Infoway
- Ariane Veilleux Carpentier, Fédération médicale étudiante du Québec
- Rachel Ellaway, University of Calgary
- Robert Hayward, University of Alberta, Alberta Health Services
- Kendall Ho, University of British Columbia
- Kalyani Premkumar, University of Saskatchewan
- Melissa Shahin, Association of Faculties of Medicine of Canada
- Matt Simpson, Queen's University
- Kimberly Williams, Resident Doctors of Canada
- Katherine Wisener, University of British Columbia
- Jessica Harris, Canadian Federation of Medical Students

## Project Management:

- Barbie Shore, Association of Faculties of Medicine of Canada
- Kate Proctor, Association of Faculties of Medicine of Canada

## Evaluation Results

The overwhelming majority of respondents across the four eHealth workshops indicated their enjoyment of the respective presentations. Respondents mentioned that presenters were knowledgeable and that the material and content presented was very insightful and informative.

Second, respondents iterated in many instances that although they did enjoy the eHealth series workshops, presenters could have included more examples on how to integrate eHealth competencies into teaching. In addition, some respondents wanted to have French versions of the content presented. Third, respondents would like to have had “learner-level” specific workshops. Some noted that the information was too general, whereas others noted that the information was above their current knowledge level of eHealth competencies. It was suggested from respondents to have workshops designed to target the various learner levels; for example the beginner, intermediate and advanced eHealth knowledge levels.

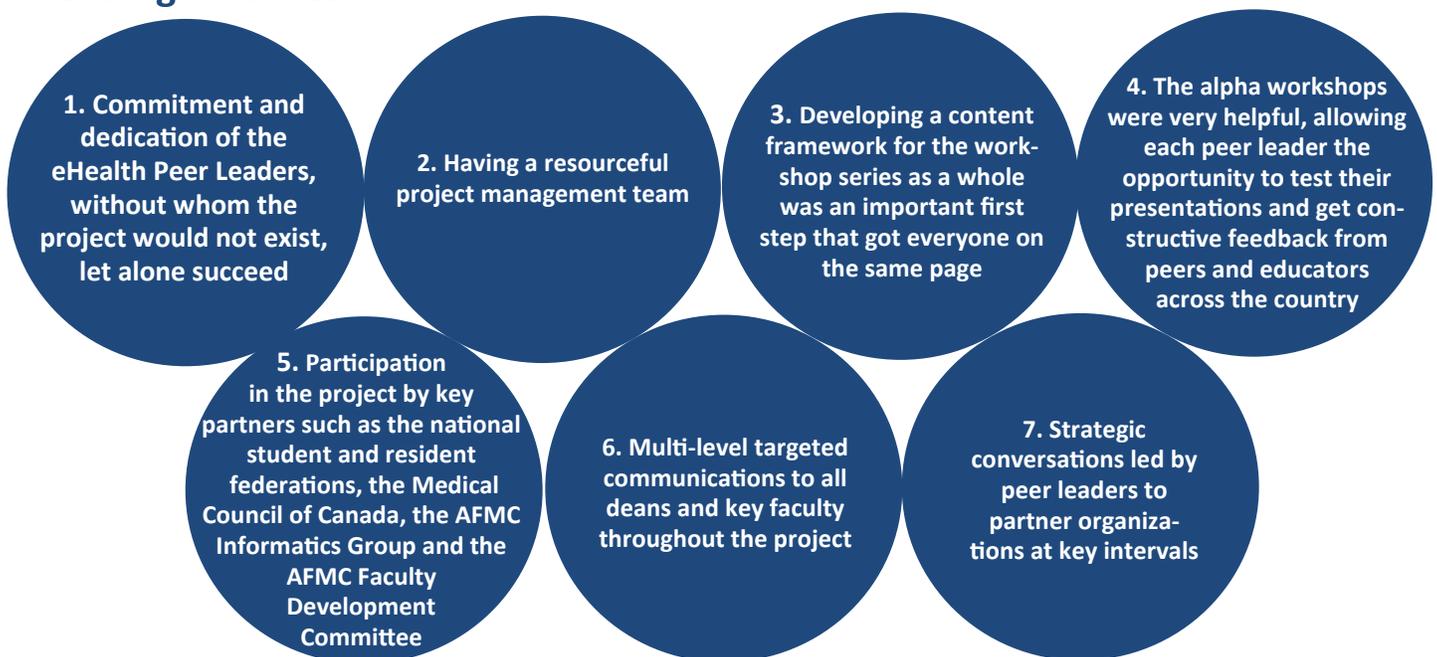
- 73 percent of workshop participants surveyed indicated that they plan to integrate the workshop learnings into their teaching
- The workshop series reached educators across the country, with at least 15 of 17 faculties of medicine represented
- An upwards trend in eHealth knowledge gained from the workshops was noted by participants

## Lessons Learned

Project timeframes should be based on evidence provided through proper project management practices to first define the project charter, followed by agreement by the participating parties with the objectives, and then the scheduling (availability, usage, cost) of all the resources needed to do the work (human and materials), which will then produce the actual timeline; not the one you would like to have, but what it really needs to be. Microsoft Project is an example of software that can be used for good project management practices. Working backwards from an externally generated timeline is not a good practice.

Ensuring intellectual property rights of academic faculty are protected. In our project, faculty peer leaders own their materials and are making them available to the project through a Creative Commons license where they retain attribution. The materials can be freely used and also repurposed if wanted for non-commercial purposes so long as the user retains the same “attribution-non-commercial-share-alike” Creative Commons license.

## Leading Practices



## Enablers

- Commitment of the eHealth faculty peer leaders
- Timely feedback provided by workshop demo reviewers and project leadership committee members
- AFMC project management team
- WebEx events and Fluid Surveys technology for workshop delivery and assessment
- Canadian Healthcare Education Commons for hosting toolkit, library collection and discussion forum
- Support from partners:
  - ◇ Financial and project team support from Canada Health Infoway
  - ◇ Medical Council of Canada towards the assessment of eHealth in medical education
  - ◇ College of Family Physicians of Canada towards the accreditation of the workshop series and in helping to find peer leaders and workshop reviewers
  - ◇ Schulich School of Medicine and Dentistry, Western University, Continuing Professional Development Office towards the accreditation of the workshop series
  - ◇ AFMC Faculty Development committee and Continuing Professional Development committee towards the promotion of the workshop series
  - ◇ AFMC Informatics resource group to enable a post-project national focus on eHealth in medical curricula; establishment of an eHealth subgroup as part of that standing committee (24 members)

## Resources/Knowledge Assets

The eHealth faculty development workshop toolkit can be freely accessed through these links.

English:

<https://chec-cesc.afmc.ca/en/collections/afmc-infoway-physician-training-ehealth-curriculum-elearning/ehealth-workshop-toolkit-collection>

French:

<https://chec-cesc.afmc.ca/fr/collections/afmc-infoway-physician-training-ehealth-curriculum-elearning/ehealth-workshop-toolkit-collection>

For further information, please connect with Senior Peer Leader Dr. Candace Gibson at [candace.gibson@schulich.uwo.ca](mailto:candace.gibson@schulich.uwo.ca) or AFMC Project Coordinator Mr. Matt Raegele at [mraegele@afmc.ca](mailto:mraegele@afmc.ca).