

eHealth Innovations Partnership Program (eHIPP)

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ITAC Webinar

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eHealth Innovations in Healthcare

- The integration of new technologies into healthcare may have a beneficial impact on the efficiency, cost-effectiveness, and quality of care delivery; patient empowerment and education; treatment outcomes; and safety
- Beyond basic electronic medical record databases, advanced eHealth innovations feature integrated and sophisticated technology that enables interconnectivity at all levels



eHealth in Canada

- In comparison to other countries, however, Canada is behind in the development and adoption of eHealth innovations in its healthcare system.
- Challenges to improving Canada's standing in this include:
 - Limited investment in high-quality scientific evaluation of new technologies
 - Misalignment of health technology solutions design with the clinical problems identified by healthcare service providers and patients
 - Lack of industry access to appropriate healthcare settings for the development and testing of technologies in real-world contexts

eHealth Vision for Canada

- **Develop, integrate and evaluate eHealth innovations, in collaboration with stakeholders, that will improve the cost-effectiveness of patient and population-centred care using an integrated science approach that incorporates consideration of ethical, legal and social implications; and**
- **Increase Canada's competitive position in the health-related ICT industry**

eHealth Innovations Partnership Program (eHIPP)

- **Led by:**
 - [Institute of Health Services and Policy Research](#)
 - [Institute of Aging](#)
- **In collaboration with:**
 - [Institute of Neurosciences, Mental Health and Addictions](#)
 - [Institute of Human Development, Child and Youth Health](#)

eHealth Innovations Partnership Program (eHIPP)

- eHIPP is a collaborative funding program designed to create a new generation of cost-effective patient- and population-centered health care solutions
- eHIPP will support the formation of partnerships between **Canadian technology companies** and '**Health care Innovation Communities**' to co-develop and integrate innovative e-health solutions that deliver real-world health care value
- Through these partnerships, eHIPP will support **pragmatic trials of new eHealth technologies in health care innovation community test beds** that have the capacity to integrate eHealth innovations into real-world service delivery (e.g., hospitals, communities, school boards/post-secondary institutions)

eHIPP Objectives

Identify patient-oriented eHealth solutions that will improve health outcomes, patient experience, and lower the cost of care along the continuum

and

Foster partnerships between health care innovation communities and industry to co-develop and evaluate the clinical benefit and cost-effectiveness of eHealth solutions in clinical- and population health-environments.

eHIPP Focus: Late Stage of the Innovation Pipeline



Who Are the Players?

- **Health care Innovation Communities** are local/regional health care organizations that have the capacity and interest to integrate ehealth innovations into real-world service delivery:
 - A scientific lead (an independent researcher)
 - A clinical lead (a healthcare delivery professional)
 - A decision-maker to support adoption and scale-up
 - End-users such as patients, families, caregivers and health professionals
 - IT infrastructure to support the integration of eHealth solutions
- Example settings include municipalities, community hospital/home networks, academic health care centres, regional health authorities, college/university campuses



Who Are the Players?

- Canadian health technology companies and foreign subsidiaries that have:
 - The ability to create or adapt products to address the eHIPP priority areas
 - Differentiated technology (IP) with a clear competitive advantage
 - Identified attractive business growth objectives;
 - A strong management team seeking strategic partners to fine-tune their products
- eHIPP is targeted towards, but not limited to, SMEs



eHIPP Priority Areas

- eHIPP will address care gaps and inefficiencies in two priority areas :
 1. Early detection of and intervention for youth (11-25 years of age) with mental health conditions
 2. Seniors with complex care needs in their homes and communities



What's in it for Health Tech Industry?

- Access target market;
- Obtain financial assistance to offset market validation costs;
- Gain access to researchers, end-users, health service organizations and expertise;
- Work with all partners to obtain a comparative clinical and cost analysis; and
- Receive expert advice and guidance on technology integration into the health services market.

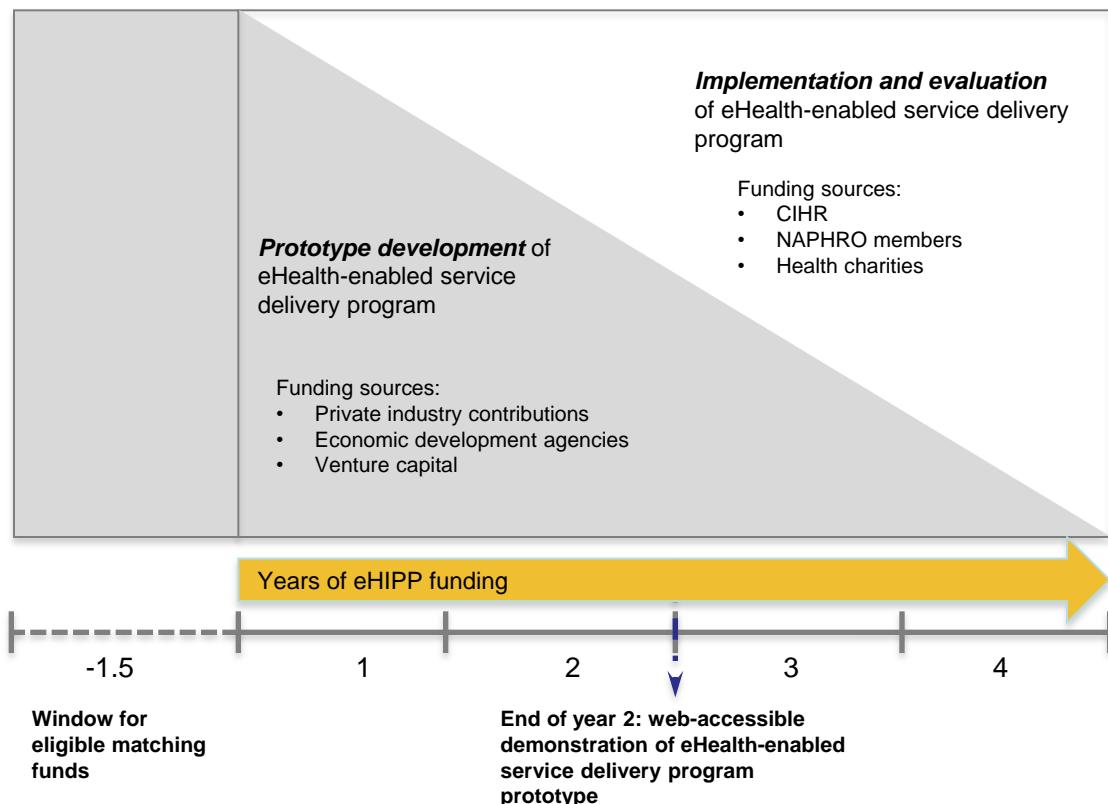
What Funds Are Available?

- 1:1 funding match between CIHR and External Partners
- Maximum grant duration of 4 years
- CIHR will fund up to \$187,500 per year (or max of \$750,000 for four years)
- Applicants must secure external partner contributions at a 1:1 ratio
 - 50% **minimum** (i.e. $\geq \$93,750$ per year or $\geq \$375,000$ for four years) must come from the industry partners
 - 50% **maximum** (i.e. $\leq \$93,750$ per year or $\leq \$375,000$ for four years) can come from other sources such as provincial funding organizations, economic development agencies, health charities, venture capital, etc.
 - *Note: NCEs, CECR and BL-NCEs are not considered eligible*

Matching Funds: 18-month Backdate

- Funds previously secured for innovation development are considered eligible if expended within 18 months prior to the release of eHIPP funds date (October 1, 2015)
 - i.e., industry funds that may have been previously expended for development of the eHealth technology prototype may be used at earlier stages of eHIPP project development

Projected use of CIHR funds and matching funds across the eHIPP program timeline



Eligible Matching Funding From Industry

- Examples of eligible matching funds include:
 - Cash
 - Development costs
 - Contributions from industrial support programs for product development during the course of eHIPP funding
 - Price reduction of the platform
 - Implementation costs
 - Training costs
 - Maintenance costs
 - Updates
 - Tuning developments
 - Co-developments
 - Investments in the technology platform
 - Investments in infrastructure needed to integrate the product

eHIPP Application Timeline

| Major Step | Key Point | Deadline |
|-------------------------------------|--|---------------------------|
| Partnership Workshops | Regional Workshops will be held to link potential innovation communities together with health technology partners http://www.cihr-irsc.gc.ca/e/48620.html | Oct. 2014-March. 2015 |
| Informational Webinars | To provide information to applicants http://www.cihr-irsc.gc.ca/e/48620.html | Sept. 2014- March 2015 |
| Registration Deadline | Administrative only; needed for peer review recruitment. | April 1, 2015 |
| <u>Full Application</u> Deadline | Applicants, in collaboration with funding partners, submit a full application. | June 3, 2015 |
| Funding Start Date | Date eHIPP funds are released | Oct 1, 2015 |

Applications: Eligibility Criteria

1. At least one of the Nominated Principal Applicants must be affiliated with a CIHR eligible institution at the time of application and must represent one of the requirements of the innovation community leadership:
 - **A scientific lead** (an independent researcher)
 - A clinical lead (a health professional engaged in healthcare delivery)
 - **A decision maker in the ‘innovation community’ who is authorized to commit that innovation community to participate in the eHIPP evaluation** and would have the responsibility of local adoption and scale-up of eHealth enabled innovation services
 - **Patient/family representative(s)**
2. **The team must identify end-users**, in addition to the innovation community leads, such as patients, families and care-givers, as well as health professionals (e.g. nurses, physicians, physiotherapists, occupational therapists, case workers, psychologists) (<http://www.cihr-irsc.gc.ca/e/34190.html#k4>)
3. Applicants must secure external partner contributions at a 1:1 ratio based on the CIHR grant portion of up to \$750,000 over four years

What Are the Review Criteria?

- A structured application & evaluation process will be used to assess the quality of applications.
Applications will be rated using the following criteria and each section will be weighted equivalently:
 1. Planned Intervention (1/3)
 2. eHealth Innovation Evaluation Plan (1/3)
 3. Team (1/3)

Planned Intervention

| Criterion |
|---|
| Relevance of the population and challenges, gaps, and inefficiencies to be addressed by e-Health enabled innovations. |
| Readiness of the proposed technology to be incorporated into the innovative care prototype; the technology should be at a Technology Readiness Level (TRL) of at least 6-7 by the start of project. |
| Probability the eHealth innovation enabled care delivery program will improve outcomes for the priority area populations within the Canadian health care system. |
| Probability the eHealth innovation enabled care delivery program will be more cost-effective for the Canadian health care system than usual care. |
| The effectiveness of the proposed plans for end-user co-development of the eHealth innovation enabled care delivery program and the quality of the patient-oriented approach. |
| The quality of the change management and implementation plan for the eHealth innovation enabled care delivery program. |
| The potential for scalability of the planned intervention. |
| The quality of the approach to monitoring, evaluating and intervening on ethical legal and social issues |
| Perceived usability and value of the eHealth innovation for patients in one of the two target priority areas. |
| Perceived usability and value of the eHealth innovation for clinicians associated with the target priority area. |

eHealth Innovation Evaluation

| Criterion |
|--|
| Appropriateness of population and sample size. |
| Appropriateness of the control population and control for bias in assignment. |
| Quality of measurement of outcomes and interventions. |
| Relevance of measured outcomes to end users. |
| Appropriateness and quality of approach to bias control to optimize internal validity. |
| Appropriateness and quality of approach to cost-effectiveness evaluation. |
| Appropriateness and quality of approach to the analysis, and sex/gender analysis. |
| The inclusion of novel elements in the evaluation that will enhance understanding of its impact on end-users, ways of improving its value and transferability to other settings. |

Team

| Criterion |
|--|
| The quality of the partnership between the innovation community and its health technology partners and the likelihood it will succeed. |
| The capacity of the health technology partners to deliver the planned solutions and scale up effective interventions. |
| The capacity of the innovation community to integrate eHealth solutions, facilitate change management, end-user engagement, including past experiences and success, and senior management support. |
| The capacity of the scientific team to undertake high quality evaluation including past experience and success. |
| The quality of scientific, clinical, patient/end-user, and management leadership. |
| Suitability of the environment to conduct proposed activities. |
| Availability and accessibility of personnel, facilities and infrastructure required to conduct proposed activities. |

Workshops and Webinars

<http://www.cihr-irsc.gc.ca/e/48620.html>

Workshops

- To facilitate partnerships, regional workshops are being hosted across the country:

Webinars

- EN/FR Fall 2014 webinars
- Winter 2015 webinars being scheduled

| Province | City | Date |
|-------------------------|------------|-------------------|
| NFLD | St. John's | January 27, 2015 |
| BC (including Yukon) | Vancouver | February 5, 2015 |
| NS | Halifax | February 24, 2015 |
| AB (including NWT & SK) | Edmonton | March 2, 2015 |
| ON | Toronto | March 5, 2015 |
| MB | Winnipeg | March 12, 2015 |
| ON | Ottawa | TBC |
| QC | Montreal | TBC |

For More Information

- About research objectives:
 - **Hawa Kombian, CIHR-IHSPR**
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 - **Michelle Peel, CIHR-IA**
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- About CIHR funding guidelines, how to apply, peer review:
 - **Lisa Lemieux**
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Apply Now!

Learn more about the eHIPP funding opportunity and apply today!

<http://www.cihr-irsc.gc.ca/e/47350.html>