

**GATHER  
MOBILIZE  
FACILITATE  
HIGHLIGHT**

SCIENTIFIC MOBILIZATION WITH  
STRONG COMMUNITY SUPPORT

Alliance santé Québec has rallied key actors and the population of the Greater Québec City Area around an ambitious plan to maximize the impact of research and innovation on the health and well-being of the population, the healthcare and social services ecosystem, and the regional economy.

By pooling their strengths and expertise, Université Laval, healthcare and social service institutions, as well as social, economic, municipal, and associative actors aim at transforming the area into an epicentre of excellence in sustainable health, forging closer links in the process between basic, clinical, and population-based research and facilitating the transfer of knowledge and innovations in clinical practice and public health.

PARTICIPATORY GOVERNANCE  
STEMMING FROM AN UNPRECEDENTED  
CONCERTED EFFORT

Approximately 100 leaders from various backgrounds are involved in the Alliance santé Québec's governance process at multiple levels.

FOUR TRANSFORMATIVE INITIATIVES

**Civic mobilization and participation workgroup**, aimed at implementing transformative and systematic mechanisms fostering mobilization and active participation of patients and the population of the Greater Québec City Area in sustainable health-related research and innovation.

**Scientific mobilization workgroup**, aimed at implementing unifying research projects in sustainable health.

**Innovation showcase and acceleration workgroup**, aimed at making the Greater Québec City Area a showcase of technological and social research and innovation in sustainable health.

**Entrepreneurship and training system workgroup**, aimed at promoting entrepreneurship among young scientists and throughout the entire training process for all professionals within the scope of sustainable health.



**OBSERVING, UNDERSTANDING AND ACTING TOGETHER, WITH AND FOR THE POPULATION**

TOWARDS...

**THE COLLABORATIVE PLATFORM  
FOR SUSTAINABLE HEALTH  
RESEARCH AND INTERVENTION**

OF THE

**GREATER QUÉBEC CITY AREA**

CURRENT MEMBERS

**UNIVERSITÉ  
LAVAL**  
Faculté d'aménagement, d'architecture, d'art et de design  
Faculté de droit  
Faculté des études supérieures et postdoctorales  
Faculté de foresterie, de géographie et de géomatique  
Faculté de médecine  
Faculté de médecine dentaire  
Faculté de pharmacie  
Faculté des sciences de l'administration  
Faculté des sciences de l'agriculture et de l'alimentation  
Faculté des sciences et de génie  
Faculté des sciences infirmières  
Faculté des sciences sociales  
Faculté de théologie et de sciences religieuses

Centre intégré  
universitaire de santé  
et de services sociaux  
de la Capitale-Nationale  
**Québec**

**CHU  
de Québec**  
Université Laval

Centre intégré  
de santé et de services  
sociaux de Chaudière-  
Appalaches  
**Québec**

INSTITUT UNIVERSITAIRE  
DE CARDIOLOGIE  
ET DE PNEUMOLOGIE  
DE QUÉBEC

Institut national  
de santé publique  
**Québec**

**QUÉBEC  
INTERNATIONAL**  
Développement économique

**Alliance  
santé Québec**  
An innovative Health Research Network

ALLIANCESANTEQUEBEC.COM  
@AS\_QUEBEC  
#sustainablehealth

MAY 2017

# COLLABORATIVE PLATFORM FOR SUSTAINABLE HEALTH RESEARCH AND INTERVENTION

As befitting a broad-based societal project, the Collaborative platform is designed to facilitate the dynamic long-term public health monitoring (over several decades) in the Greater Québec City Area. As a laboratory for population-based research and intervention, the platform provides a means for testing new methods and processes in living environments and clinical settings.

Driven by multiple data sources, the platform will help to document and shed light on various contexts, in addition to opening new avenues for research and intervention. The governance structure will be based on best practices in the areas of ethics, safety and performance.

## AT THE HEART OF THE PROJECT SUSTAINABLE HEALTH

A state of complete physical, mental and social well-being that is achieved and maintained throughout life through healthy, rewarding and fulfilling living and through access to appropriate high quality resources, used responsibly and effectively.

A BRIDGE BETWEEN BASIC, CLINICAL AND POPULATION-BASED RESEARCH... WITH AND FOR THE POPULATION

A POWERFUL TOOL FOR CREATING KNOWLEDGE AND FACILITATING DECISION-MAKING FOR RESEARCHERS, PUBLIC-SECTOR DECISION-MAKERS AND THE GENERAL PUBLIC

A COMMUNITY OF RESEARCHERS SERVING THE POPULATION

ACTIVE PARTICIPATION OF PATIENTS AND THE POPULATION

- Involvement at all stages of the research/innovation process (research questions, protocols, implementation, knowledge sharing)
- Tools facilitating access to one's own data, as well as data on the immediate environment, in order to make enlightened decisions

INTERDISCIPLINARY APPROACH

- Medicine, social sciences, education, nutrition, kinesiology, economics, administration, engineering, etc.
- Mechanisms, disease etiology and pathogenesis, risk prediction, diagnostics and treatment, preventive approaches, public health services/policies

INNOVATIVE TECHNOLOGIES

- Big data technologies, innovative sensors, interfaces and tools aligned with Université Laval's and Québec City's projects and initiatives
- Collaboration with Université Laval's Faculty of Science and Engineering and the Big Data Research Centre

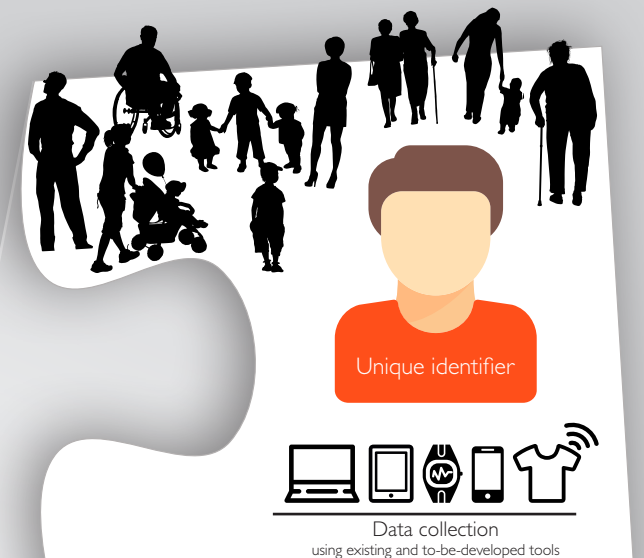
## START-UP PHASE

This step will involve a broad interdisciplinary mobilization that will lay the project's foundation in terms of governance and the development of a technological capacity, as well as of its scientific, ethical and legal, social, economic, communication and citizen participation aspects.

## POPULATION-BASED COHORT ON SUSTAINABLE HEALTH

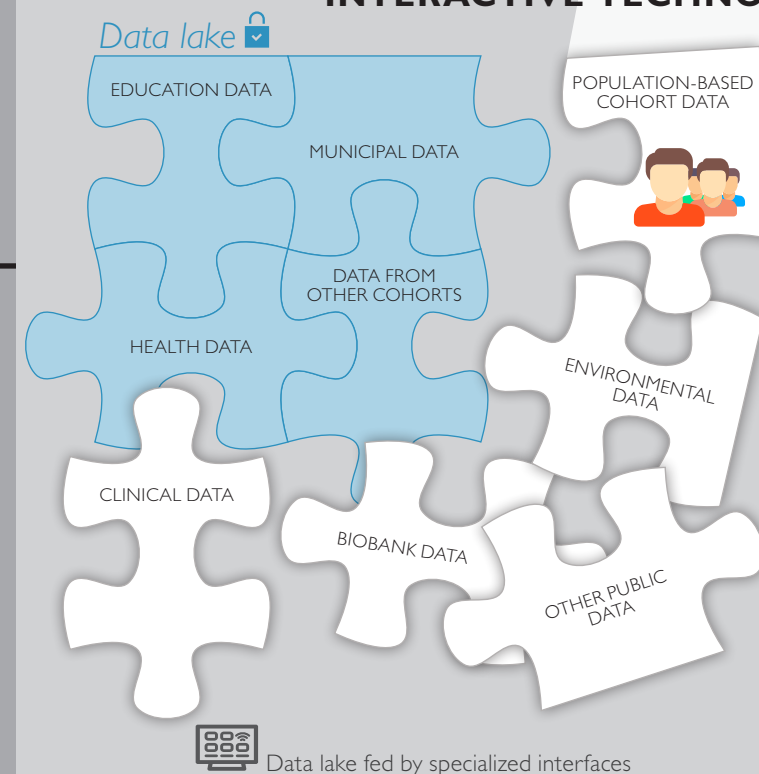
A potential pool of 1.7 million people

- monitored prospectively from conception to end-of-life
- on sustainable health parameters:
  - health (standard parameters)
  - lifestyle (physical activity, diet, sleep, stress, etc.)
  - living conditions (income, education, housing, etc.)
  - a variety of environments, e.g. physical (water; air; soil), built, social, economic, etc.
  - genetic factors.



COLLABORATIVE PLATFORM

## INTERACTIVE TECHNOLOGICAL PLATFORM



## DATA ACCESS

Through **interfaces** adapted to each clientele, users can collect, integrate and analyze information, depending on their privileges.

