making a difference where health matters

Canadian Primary Care Sentinel Surveillance Network
SUCCESS is realized through our rich connections.

CPCSSN is founded upon partnership, working together with health care providers, universities, primary care and public health research communities, governments, healthcare services and industry.
Introducing the Canadian Primary Care Sentinel Surveillance Network

CPCSSN’s mission is to contribute to changing health care practice and policy through surveillance and research.

Its Practice-Based Research Network partners are each involved in CPCSSN’s governance.

CPCSSN is placed to inform and influence change at practice and system levels.

Its partnerships and position as steward of anonymized pan-Canadian patient information serve as a bridge between primary care and public health research, policy and practice.

CPCSSN has three avenues in which it conducts itself.

1. Sentinel EMR-based data collection
2. Research and knowledge development
3. Point of care practice transformation
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CPCSSN marshals quality EMR data

CPCSSN’s data is linkable to other health record databases enabling critical primary care and public health research and analysis for health care practice, program and policy.
Sentinel EMR Surveillance

CPCSSN and its Network partners work with health care providers and major EMR vendors across Canada. These relationships support CPCSSN’s collection of quality EMR data.

CPCSSN developed a secure data collection infrastructure, a set of software tools, and a highly automated process for extracting, anonymizing, cleaning, standardizing and processing EMR data from participating health care providers’ practices.

CPCSSN houses its regional and national data repositories at the secure High Performance Computing Virtual Laboratory at Queen’s University in Kingston, Ontario.

CPCSSN’s privacy and information security system won a 2013 Privacy Innovation Award from the International Association of Privacy Professionals.

COLLABORATIVE DATA LINKAGE

Newfoundland-Labrador CPCSSN is an example in action. Through the provincial Centre for Health Information, Newfoundland-Labrador CPCSSN’s linkable database is used as a resource and a tool for primary care reform projects of the Department of Health and the Newfoundland and Labrador Medical Association.

In Ontario, CPCSSN with the Institute for Clinical Evaluative Sciences is advancing patient health outcomes research on diabetes, congestive heart failure and depression. The linkage of new source primary care and administrative data is proving to be invaluable to population health research.
CPCSSN creates intelligence from primary care data

An estimated 3.6 million Canadians are affected by neurological conditions. CPCSSN was instrumental in the development and validation of case definitions and case finding algorithms for dementia, epilepsy and Parkinson’s disease in primary care. It is enabling the study and long-term surveillance of the epidemiology of, and health service utilization for, these three diseases in primary care.
Research and Knowledge Development

CPCSSN is a valued partner and resource for advancing issues that matter to the health of Canadians.

CPCSSN’s national network of primary care and public health research leaders and technical specialists direct and inform research and knowledge development efforts be that at the local, regional, provincial or country wide level.

CPCSSN’s talent supports and responds to health and health care information needs through analysis and interpretation of its pan-Canadian, anonymized EMR data.

Effective capture and communication of findings complemented by data visualization enables CPCSSN’s clients and stakeholders to quickly make meaning of complex data, to gain valuable insight, make strategic decisions and advance their work.

DATA MINING and ANALYTICS
What do post-market health product surveillance and patient safety have in common? CPCSSN. Utilizing its unique national EMR data repository, CPCSSN is applying its exemplary data mining and analytical capacities to respond to a federal client’s pharmacovigilance information needs.
CPCSSN transforms health care practice through primary care data

Health care providers gain better ability to understand the data from their EMR and take ownership for management of the data to achieve improved delivery of patient-centric care.
Health care providers across the country want to provide the most appropriate care possible to support their patients’ optimal health. CPCSSN-created, data-enhanced, EMR-based tools and services are helping them do this, directly.

In 2014, CPCSSN and Network partners collected patient health information from over 500 participating health care providers’ EMRs. And the number is growing.

CPCSSN provides technical and reflective learning support, and a quarterly “feedback report” to each health care provider to assist their efforts to improve their patients’ experience and outcomes.

CPCSSN is committed to meet or exceed the highest of standards and expectations. It works with clients and partners for continuous improvement of its products and services.
CPCSSN is a collaborator in health care innovation

CPCSSN’s Data Presentation Tool is making a difference at the community based primary care clinic level.
Innovation for Practice Transformation

CPCSSN is assisting health care providers to meet the challenge of assessing the needs of their practice populations to provide tailored care to the subgroups and individuals within that population.

CPCSSN is advancing health care providers’ access to quality data about their practice populations. The result?: *Improved fact-based clinical decision-making to ensure the most appropriate treatment and preventative measures for patients*

CPCSSN designs products and processes with a focus on the quality of the user experience and culturally relevant solutions in the health care environment.

Health care providers who use the CPCSSN-created, EMR-linkable Data Presentation Tool have timely and easy to understand patient information at their fingertips.

**CPCSSN’s DATA PRESENTATION TOOL**

Physicians at a large clinic in Ontario used the Data Presentation Tool to improve data entry and organize disease registries that lead to the identification of an additional 22% of their patient population with selected chronic diseases. CPCSSN’s interactive query and data visualization tool informs clinical decision-making to improve patients’ health outcomes.
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making a difference where health matters

at the office
  in the home
    in the community
      around the province
        across the country and health industry

Let’s explore the possibilities.