



## **Request for Information (RFI) Number: 1000186271**

### **Public Health Agency of Canada**

Chief Financial Officer Branch/ Financial Operations Directorate

### **Project Title: CCDSS Validation - multi-year disease specific**

#### **Background:**

The Canadian Chronic Disease Surveillance System (CCDSS) is a collaborative network of provincial and territorial surveillance systems supported by PHAC. The CCDSS was originally created to improve the breadth of information about the burden of diagnosed diabetes in Canada for a wide audience comprised of policy makers, researchers, health practitioners, and the general public. In 2009, the CCDSS was expanded to include the surveillance of hypertension and mental illness. Since then, additional expansion has added chronic respiratory (COPD, asthma), ischemic heart disease, heart failure, osteoporosis & related fractures, stroke, MS and Parkinsonism. Additional pilot and feasibility work is underway regarding expansion to include: arthritis and related joint conditions, Alzheimer's disease & other dementias, epilepsy, and schizophrenia and delusional disorders.

#### **Purpose:**

The purpose of this Request for Information (RFI) enquiry is as follows:

The Public Health Agency of Canada (PHAC) requires a supplier, or suppliers, to conduct a study analysing the continued validity of several case definitions for identifying patients with specific chronic conditions in Canada. The study will be multi-year (estimated four (4) years) with the flexibility to address a minimum of 6 of the conditions identified above.

The study is to include a minimum of two provincial and/or territorial jurisdictions, with at least one of the provinces being Ontario, British Columbia or Quebec due to the need for a large sample size.

#### **Objectives:**

The overall objectives of the study are to:

1. Conduct an environmental scan of existing validation work for the surveillance of chronic diseases in Canadian jurisdictions using administrative data;
2. Develop a plan to identify priority case definitions for chronic diseases to be validated in this project;
3. Provide evidence of the validity of case definitions, over time, of specific chronic conditions for **national chronic disease surveillance purposes**, using information from administrative databases, validated against a reference standard in multiple provincial/territorial jurisdictions.

For each condition selected, the objectives of the validation component of this work are to:

1. Use provincial/territorial administrative data sources (health insurance registry, hospital discharge abstract database, physician billings, emergency department visits, laboratory data, and/or prescription drug data) to define a case in the reference population based on established criteria/expert panel.
2. Validate case definitions provided by PHAC by calculating the sensitivity, specificity, positive predictive value and negative predictive value of each case definition against a reference datasource over-time.

3. Determine the best administrative data algorithm to estimate specific chronic condition occurrence measures including prevalence and incidence.

**Response Requirements:**

Respondents to this RFI are requested to:

1. Identify how they would be able to work with other provincial/territorial jurisdictions to complete the study requirements;
2. Provide confirmation of capability to access provincial or territorial CCDSS administrative databases (physician billing and hospital records) and electronic medical record databases or similar reference standard;
3. Provide confirmation of ability to conduct validation studies by querying linked databases using statistical software such as SAS;
4. Provide confirmation of experience in providing study reports and recommendations.

**Note to Potential Respondents:**

This is not a bid solicitation and a contract will not result.

Potential respondents are advised that any information submitted to the government in response to this Request for Information may be used by the government in the development of a subsequent Request for Proposal (RFP).

The issuance of this Request for Information does not create an obligation for Canada to issue a subsequent RFP.

It should also be noted that no agreement to do business with any respondent will result from this specific enquiry.

**Closing Date:**

Responses to this Request for Information will be accepted at any time until February 20, 2017.

**Contracting Authority:**

All enquiries and responses related to this Request for Information shall be directed to the Contracting Authority.

Name of Contracting Authority: Ron Staigh  
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