

# Appendix F : Data Sources Matrix

**Exhibit 82 :Data Sources Matrix**

A summary of data sources accessed and used throughout the SNAGA Project

Name	Description
Statistics Canada	<p>The Canadian Census is collected and organized by statistics Canada and provides a statistical portrait of Canada and its people. The most recent census was on May 16, 2006. It produces information across various Canadian profiles:</p> <ul style="list-style-type: none"> <li>- Community Profiles for demographics, ethnicity, and socio-economic indicators.</li> <li>- Census tract (CT) profiles</li> <li>- Special interest profiles</li> <li>- Census trends</li> <li>- Others</li> </ul>
Canadian Community Health Survey (2005)	<p>The CCHS is a cross-sectional survey that collects information related to health status, health care utilization and health determinants for the Canadian population. It relies upon a large sample of respondents and is designed to provide reliable estimates at the health region level. The CCHS has the following objectives:</p> <ul style="list-style-type: none"> <li>- Support health surveillance programs by providing health data at the national, provincial and intra-provincial levels;</li> <li>- Provide a single data source for health research on small populations and rare characteristics;</li> <li>- Timely release of information easily accessible to a diverse community of users;</li> <li>- Create a flexible survey instrument that includes a rapid response option to address emerging issues related to the health of the population.</li> </ul>
Environics Analytics Demographic Projections - Current (2008), 5 & 10yr	<p>Environics Analytics builds consumer market insights to help businesses reach their customers more effectively. Our analytical services give a detailed view of the marketplace – which customers are, where they live, what motivates them, which media they prefer, what products and services they use. They deliver market-driven solutions specifically created for each use.</p>
<b>General sources:</b>	
Provincial Health Planning DB (PHPDB)	<p>The Provincial Health Planning Database (PHPDB) is a standardized database of health-related demographic, clinical, and statistical data created/derived from a variety of internal and external sources. It is also known as the Data Warehouse. The data is stored in a relational database for easy do-it-yourself extraction/querying and analysis by a user community within and outside the Ministry using the Hummingbird Bi/Query software suite.</p> <p>The information holding includes selected hospital information; home care information, vital statistics (births and deaths), and population information. Key characteristics are patient location (geography) including LHIN, hospital location, age, sex, and birth date,</p>

Name	Description
	admission/discharge information, triage (ER only), patient diagnoses, interventions performed when applicable, case groupers and resource weighting. A feature of the database is the value-added attributes, not present in the original sources, designed to make querying easier and more "foolproof" for the end- user.
Hospital Discharge Abstracts: Ontario – (DAD)	<p>The Discharge Abstract Database (DAD) contains demographic, administrative and clinical data for hospital discharges: acute inpatient, day surgery, chronic, and rehabilitation. CIHI receives data directly from participating hospitals in every province and territory or from the provincial Ministry of Health in Manitoba and Alberta. Quebec does not participate to the DAD. The DAD is a core database at CIHI. Information collected in the DAD is used in the creation of parts of other databases including the Hospital Morbidity Database (HMDB), the Hospital Mental Health Database (MHMD), the National Trauma Registry (NTR), the Ontario Trauma Registry (OTR) and the Therapeutic Abortions Database (TADB).</p> <p>The DAD in Ontario now contains only Acute Care. All other care types are now reported in their own systems. The rest of this description applies to Ontario only.</p>
National Ambulatory Care Reporting System (NACRS)	<p>The National Ambulatory Care Reporting System (NACRS) includes data for all hospital-based and community-based ambulatory care. These include surgical day/night care, outpatient clinics and emergency departments. While most of the data comes from Ontario, some facilities in B.C., the Yukon, P.E.I and Nova Scotia are also submitting data to CIHI.</p> <p>Currently, data submission to NACRS has been mandated in Ontario for Emergency Rooms (ER), Surgical day/night care, Dialysis, Cardiac Catheterization and Oncology (including all regional cancer centres).</p>
Ontario Home Care DB (OHCAS) and OHCAS Replacement (MOHLTC-FIM)	<p>The Ontario Home Care Administration System (OHCAS) was developed in 1978 to provide consistent and timely information on clients referred to the Home Care Program and on services coordinated by the Program. OHCAS records demographic, diagnostic and treatment information about clients of the Ontario Home Care Program. This system also records information on all services provided and provider agencies. Each Community Care Access Centre (CCAC), through electronic file transfer from their local systems, transfers information to OHCAS on a weekly basis.</p>

Name	Description
Planning and Decision Support Tool (PDST) - (MOHLTC-FIM)	<p>The Planning Decision Support Tool (PDST) is a web-based application designed to assist with the following functions in key categories of hospital activity:</p> <ul style="list-style-type: none"> <li>- Analysis and review of program-related projects</li> <li>- Assessment of hospital utilization performance against provincial targets, normative (average) and benchmark performance levels.</li> </ul> <p>The PDST allows users to select a hospital or long-term care facility and view utilization parameters at a variety of levels:</p> <ul style="list-style-type: none"> <li>- Facility</li> <li>- Institution</li> <li>- County</li> <li>- Local Health Integration Network (LHIN)</li> <li>- MOHLTC planning region</li> <li>- Province</li> </ul> <p>The PDST includes variables and statistics relating to:</p> <ul style="list-style-type: none"> <li>- Population</li> <li>- Hospital services utilization</li> <li>- Hospital financial information</li> <li>- Long-term care services utilization</li> </ul>
CSS / MIS Comparative Reports - (MOHLTC-FIM)	<p>The Community Services System (CSS) holds financial and statistical data (budget/actual) for long-term care (LTC) community programs. The CSS generates reports from individual agency data. At the start of each fiscal year, budget information is provided electronically by agencies to the Ministry of Health and Long-Term Care (MOHLTC). Actual financial data reports (expenditure and units of service) are input manually and are provided to MOHLTC in hard copy in the 2nd and 4th quarters of the year. CSS permits cross-reference analysis of any data fields for further examination. CSS had three components: home care, community support services and children's treatment centers. Starting in 2003/04, only community support services continued to send in data to CSS.</p>
<b>CCAC</b>	
CCAC Client Management System (Received from the Central CCAC)	<p>The internal Client Management System for the Central CCAC. Previously this was the PMI system but the CCAC is undergoing a move to the new system provided by the Ontario Association of CCACs, 'CHRIS'.</p>
CCAC Comparative MIS Reporting System - (MOHLTC-FIM)	<p>The Community Access Centres Budget Database (CCAC Budget DB) captures CCAC's approved budgets for the fiscal years 2003-2004 and 2004-2005 (MIS financial and statistical reporting).</p>
CCAC Home Care Database - (MOHLTC-FIM)	<p>The Home Care Database is a replacement to the Ontario Home Care Administrative System (OHCAS). It is a client level relational database for Community Care Access Centres (CCACs) clients. The HCD consists of six main data tables – client profile, intake, assessment, admission and discharge, diagnoses, and care delivery. All these data elements link to each by each via a client and intake identifier.</p>

Name	Description
<b>Long-Term Care</b>	
MOH- LTC Client Profile & Choice DB	The LTC Client Profile & Choice DB (CPRO) was developed by the Long-Term Care Redevelopment Project (LTCRP) and provides a comprehensive source of data for the Long Term Care sector. The OCCM contains supply information, vacancies, and population data. The CPRO is used for tracking patients in or waiting for long-term care home placement for monthly reporting. The purpose of this database is to provide current information on LTC clients and their choices for management staff within the MOHLTC.
OCCM – Occupancy Monitoring DB	The Occupancy Monitoring Database (OCCM) was developed by the Long-Term Care Redevelopment Project (LTCRP) and provides a comprehensive source of data for the Long Term Care sector. The OCCM contains supply information, vacancies, and population data. The OCCM is used for tracking the supply of beds and vacancies in long-term care homes for monthly reporting. The purpose of this database is to provide current information on LTC Bed Supply and Demand for management staff within the MOHLTC.
LTC – Monthly Management Waitlist and Performance Reports	Monthly LTC Management level reports developed and provided by the Health Data Branch, HSIMI Division 5700 Yonge Street 4th floor, Toronto ON M2M 4K5
LTC – Detailed Monthly Management and Performance Reports	Monthly detailed LTC reports developed and provided by the Health Data Branch, HSIMI Division 5700 Yonge Street 4th floor, Toronto ON M2M 4K5
<b>Cardiac Specific</b>	
Cardiac Care Network (CCN) Annual Report	The annual LHIN level report produced by the Cardiac Care Network of Ontario for patients, the public, health-care professionals and government bodies. Other publications include provincial cardiac procedure statistical reports to patient brochures to annual reports and more.
<b>Cancer Specific</b>	
Cancer Care Ontario Online Resource - iPort	iPort is a business intelligence tool that is provide by Cancer Care Ontario. It enables specific cancer reporting and analysis for the purposes of planning, management and research,

Name	Description
National Rehabilitation Reporting System (NRS)	<p>The National Rehabilitation Reporting System (NRS) contains client data collected from participating adult inpatient rehabilitation facilities and programs across Canada. Service providers in participating facilities collect data at time of admission and discharge. There is also an optional post-discharge follow-up data collection process. Participants in the NRS must sign an end user license agreement with CIHI. NRS data elements are used to calculate a variety of indicators. Participation in all other provinces is voluntary. The data elements represented are in the following categories: socio-demographic, administrative (e.g. referral, admission and discharge), health characteristics, activities and participation and interventions. The activities and participation data are collected using the 18-item Functional Independence Measure (FIM™) instrument and an additional assessment measure developed at CIHI that provides additional detailed information on cognitive functioning abilities of rehabilitation clients.</p> <p>Ontario has mandated the collection and submission of NRS data in all designated adult rehabilitation beds since Oct 2002.</p>
<b>Metal Health</b>	
Connex Ontario	<p>Connex Ontario Health Services Information is a corporation operating the services below. We exist to improve access to alcohol and drug, gambling and mental health services for the people of Ontario. We also support the development of an efficient and accountable service system by providing planning information to system managers. The Ontario Ministry of Health and Long-Term Care fund Connex Ontario.</p>
Annual Reports	<p>Annual reports produced by Connex Ontario and available to the public, management and system planners through their website (<a href="http://www.connexontario.ca">www.connexontario.ca</a>)</p>
eServices – Online Reporting Tool	<p>Connex Ontario's eServices is an online business intelligence tool that enables specific reporting and analysis on Drug and Alcohol, Problem Gambling, and Mental Health treatment and services.</p>
<b>MOHLTC Health Data Branch</b>	
Community Mental Health and Addictions - (MOHLTC-FIM)	<p>The Common Data Set-Mental Health (CDS-MH) provides the foundation for administrative and clinical data collection standard for community mental health reporting to the Ministry of Health and Long Term Care (MOHLTC). It focuses on basic demographic data with some outcome related elements. It links to financial and statistical reporting standards (Management Information System - MIS Guidelines) through the use of functions consistent in their definition across both reporting standards. MOHLTC's collection of CDS-MH will be limited to annual submissions of data at an aggregate level only.</p> <p>The CDS-MH is intended to provide a foundation for data collection in the mental health sector. The CDS-MH will include elements for some outcome measures. The CDS-MH will focus on elements required to meet MOHLTC accountability needs. These elements may not completely address assessment and care planning data requirements of the service provider. The data applies to the community and</p>

Name	Description
	hospital (general, specialty and provincial psychiatric hospital) sites sponsored by community mental health programs.
Healthcare Indicator Tool - (MOHLTC-FIM)	An online resource that provides indicators that is generated from other data sources (CIHI, OCDM, PDST, PHPDB). Data sourced from other databases/organizations will be displayed when available.
Scott's Medical Directory – Ontario Physicians and Specialists (2008)	<p>The Scott's Medical Directory is a private sector source for contact information on doctors across the country. It offers up-to-date information on over 57,000 practicing physicians, including these details:</p> <ul style="list-style-type: none"> <li>- Doctor Name</li> <li>- Mailing / Location Address</li> <li>- Phone Numbers,</li> <li>- Fax Numbers &amp; Physician Email Addresses where available</li> <li>- Year of Graduation, Country of Graduation</li> <li>- Graduating University (if in Canada)</li> <li>- Languages Spoken</li> <li>- Specialties, Sub-specialties, Medical Interests</li> <li>- Industrial or Hospital Appointment details</li> <li>- Educational Appointment details</li> </ul>
Ontario Physician Human Resources Data Centre (OPHRDC)	<p>The Ontario Physician Workforce Database (OPWD) is a collaborative effort involving the Ministry of Health and Long-Term Care (MOHLTC), the Institute for Clinical Evaluative Science (ICES) and the Ontario Physician Human Resources Data Centre (OPHRDC).</p> <p>OPWD applies advanced physician supply modeling concepts to a combination of demographic data and physician payment information in order to generate a full-time equivalent (FTE) measure of workload activity on all physicians in Ontario, as well as an additional number of physician activity data elements.</p> <p>This database has been developed in response to the need for more in-depth measures of physician activity than those produced by simple head-counts based on survey and registration information.</p>