Ontario

Land Information Ontario

NRVIS/OLIW Data Management Model For
MOH Family Health Teams Contract Location (v.1)

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Additional Information

For more information about this document, please contact Land Information Ontario at (705) 755-1878 or *lio@ontario.ca*

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Table of Contents

Preface

For most of the Ontario Government's geospatial information holdings, successful data management is achieved through the process of documenting data standards. This document summarizes the basic data management requirements for specific Land Information Ontario (LIO) Concrete Class(es).

Several corporate applications are used by LIO to manage, disseminate, protect and make accessible where available, all of the geospatial holdings that reside within the Ontario Land Information Warehouse (OLIW). The major applications are:

- Data Standards Repository (DSR)
- Land Information Ontario (LIO)
- Land Information Ontario Warehouse (LIOW) also occasionally referred to as (OLIW)
- Land Information Data Subscription System (LIDS)
- Land Information Publishing System (LIPS)
- Land Information Security Administration System (LISA)
- Internet Mapping Framework (IMF - includes Web Mapping and Web Feature Services)
- Natural Resources Values Information System (NRVIS) Administration
- Metadata Management Tool (MMT)

If the information that you are looking for cannot be found in this document, LIO has a Support Team that can answer additional questions about a Data Class. It follows a **three-tiered support model** to assist clients as follows:

When a user/client has a question about the dataset, they will initially contact…

<u>**TIER 1**</u>
Information Access Helpline
(705) 755-1878 email: *lio@ontario.ca*
If the Helpline staff cannot provide assistance, where applicable, the request will in be passed on to…

<u>**TIER 2**</u>
*NRVIS Support Helpline
Contacts provided by Tier-1
If NRVIS Support staff cannot provide assistance, they will consult with the appropriate Tier-3 contact Info, and then get back to the client.

<u>**TIER 3**</u>
Tier-3 support is directed to the appropriate contact based on the nature of the client's enquiry and category:
<u>Application focus</u> *– related to programming, application functionality.*

<u>Data focus</u> *– related to the Information Owner's data, standards and guidelines where a business area expert needs to be consulted.*

Tier-3 contacts are consulted or provided by Tier-1 or Tier 2

* Please note that Tier-2 support is intended for datasets that are maintained by the NRVIS Application. OLIW-only dataset enquiries will be fielded directly to the Information Owner (IO) if assistance cannot be provided by Tier-1 support staff.

Data Analysis and Enhancement Projects are supported by staff with the Ontario Land and Resources Cluster (LRC), GIS Business Solutions Section (GIS-BSS), GIS Data Services (GDS)

Caveat: The information within this document is relevant to the date it was produced, and may become outdated over time. The Information Owner for this Concrete Class is responsible for updating the metadata record for their information holdings. The reader is encouraged to review the corresponding metadata record to obtain up-to-date information about Concrete Classes. The metadata record search engine, along with additional information about OLIW itself can be found by visiting the LIOW data page.

Background and Context

A primer about the data class that describes what the information looks like, along with an introduction to the business area (Information Owner) that is responsible with its upkeep. Web links to additional supporting material are provided where applicable.

Family Health Teams ensure that people receive the care they need in their communities, as each team is set-up based on local health and community needs. They focus on chronic disease management, disease prevention and health promotion, and work with other health care organizations, such as public health units and Community Care Access Centres.
Since April 2005, 170 teams have been created across the province. It is expected that the 170 teams will improve access to health care for more than 2.7 million Ontarians.
In August 2010 the government announced 30 more teams bringing the total number of Family Health Teams in Ontario to 200.

For more information, please refer to the Ministry of Health and Long-Term Care's public website:

http://www.health.gov.on.ca/transformation/fht/fht_mn.html

Information Owner

An Information Owner is responsible for defining the structure, access and upkeep of their business areas' information assets. They are also responsible in communicating with their stakeholder community and to evaluate their business needs.
Ministry of Health and Long-Term Care,
Health System Information Management and Investment Division,
Health Analytics Branch and Health Data Branch

Status: Established

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Concrete Class Details

MOH Family Health Teams Contract Location v.1 (MOHFHTCL)

Modeling Template: Simple
Simple modeled NRVIS/LIO concrete classes are implemented to be independent from common tables that are normally shared with standard concrete classes.

Target Databases: NRVIS (v.3.4.9) and OLIW (2011)

Sensitivity Classification and Rationale: Non-Sensitive
Data is currently available to the public

Sensitivity Governance:
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Associated Geographic Unit Types

Also known as "GUTS", these represent the next level of a concrete class into subtypes. For example, concrete class 'Nesting Site' has a number of "GUTS" defined by species e.g. "Bald Eagle Nesting Site, "Great Blue Heron Nesting Site" etc. With the nesting site example, separate GUTS were created to better manage and control access to data associated with protected and vulnerable bird species.

Grouped by LRC's Sensitivity Classification, with expired GUTS listed at the end.

==MOH Family Health Teams Contract Location== does not have Geographic Unit Types (GUTS) associated with it.

Roles and Responsibilities

The following lists crucial roles and responsibilities that are associated with this data class. These roles are described in further detail in Appendix-1 of this document.

Information Owner - Executive

Branch Director or equivalent

Information Owner - Program

Manager, Health Analytics Branch
Ministry of Health and Long-Term Care, Health System Information Management and Investment Division, Health Analytics Branch

Main Business Area Contact

Project Manager
Ministry of Health and Long-Term Care, Health System Information Management and Investment Division, Health Analytics Branch

Business Area Expert

Project Manager
Ministry of Health and Long Term Care, Health System Information Management & Investment Division, Health Analytics Branch

Information Management Analyst
Ministry of Health and Long-Term Care, Health System Information Management and Investment Division, Health Analytics Branch

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Business Area Use

Intended Use and Purpose: This class was created to identify locations of Family Health Teams Contract sites. This data can be used for locating particular services or spatial analysis.

Business Drivers:

Use Caveats: All geographic locations were geocoded by postal codes or street addresses, as supplied. The geocoding process used the Statistics Canada's Postal Code Conversion File (PCCF) and the Ontario Road Network (ORN) data. Some locations were approximate to the physical locations due to the fact that the postal codes or street addresses could not be matched to the PCCF or ORN. This data was collected from best and available sources at the time of development, and may become outdated over time. This data may not contain all health service provider locations. MOHLTC continues to improve and enhance the dataset on an ongoing basis.

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Geospatial Details

This section describes how the data will be spatially represented.

Default geospatial reference details for all NRVIS/LIOW concrete classes:
  Grid or Coordinate System: *Geographic (Lat., Long.)*
  Map Projection: *Not Applicable*
  Horizontal Datum: *NAD83*
  Vertical Datum *(z-scale): Not Applicable*
  Vertical Positional Accuracy*: Not Applicable*
NRVIS/OLIW Abstract Class: SPSPNT

Spatial Single-Point: An object is represented by ONE and ONLY ONE point. Examples: A cabin, bird nest, tower.

Geographic Extent: Province

Geographic Completeness: 100

Average Horizontal Positional Accuracy*:*
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Data Life-Cycle and Maintenance
This section provides details about the data's life-cycle

Collect
Responsibility of: Ministry of Health and Long-Term Care, Health System Information Management and Investment Division, Health Data Branch

Agency Location(s): 5700 Yonge Street, 4th Floor Toronto, Ontario

Frequency: As updates are supplied

Procedures/Standards:

Tools/Forms/Applications: Generic Alternative Payment Program (GAPP)

Maintain and Publish
Responsibility of: Ministry of Health and Long-Term Care, Health System Information Management and Investment Division, Health Analytics Branch and Health Data Branch–Project Manager

Agency Location(s): 1075 Bay Street, 13th Floor, Toronto, Ontario

Frequency: As updates are supplied

Procedures/Standards:

Tools/Forms/Applications: NRVIS

Distribution
Responsibility of: Ministry of Natural Resources (MNR), Science and Information Resources Division (SIRD), Geographic Information Branch (GIB), Information Access

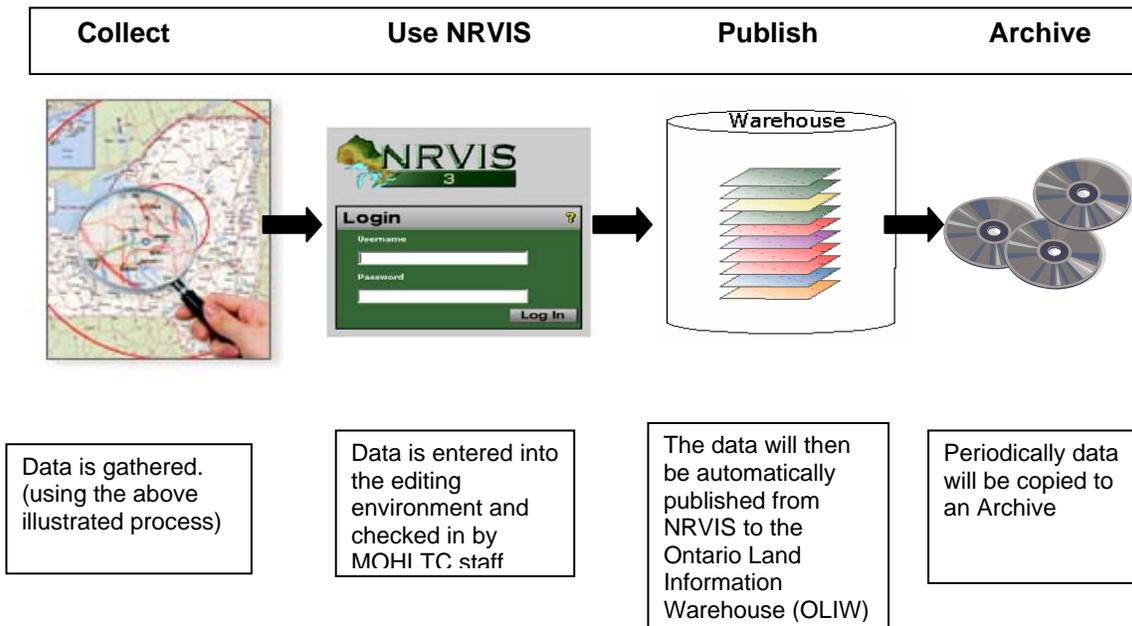**Agency Location(s):** 300 Water St., Peterborough, Ontario

Frequency: As requested

Procedures/Standards:

Tools/Forms/Applications: LIDS
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Data Life-Cycle Diagram

Diagram summarizing the data life-cycle for this concrete class

Collect	Use NRVIS	Publish	Archive

Data is gathered. (using the above illustrated process)	Data is entered into the editing environment and checked in by MOHLTC staff	The data will then be automatically published from NRVIS to the Ontario Land Information Warehouse (OLIW)	Periodically data will be copied to an Archive

Data Access and Services

This section provides details about the access management to the information stored in this data class. Some of the information documented here governing the scope of access is summarized in the Information Access form that is officially filed with LIO's Information Access Services Section.

Due to the nature and origin of the data stored in Concrete Classes, there are often special rules and considerations that control how the data is to be accessed, used and maintained.

Data Access Use Restrictions/Constraints: To be licensed under the UUL agreement

Data Access Maintenance Restrictions/Constraints: The business area expert will edit/maintain the data

Web Mapping Services (WMS): No

Is a NRVIS View available of the (LIOW) **data?:** No

NRVIS Administration Details:

  Field Data Capture Form: No

  Is NDD available for this Data Class?: No

  Personal Information Stored: No

  Area of Responsibility: Province

  Default NRVIS Access Privileges:

  • General - Browse

  • MOH Analytic Reports and Tools Unit - Check-In

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Physical Model

The implemented database physical data model diagram and data dictionary for this data class can be found in the Standard NRVIS Interchange Format (SNIF) report published to the Land Information Ontario Data in the Warehouse web page.

As with any data class, model modifications may have taken place post-implementation and after the authoring date of this document. For example, tables, relationships, attributes and/or lookup table/domain values and Geographic Unit Types (GUTS) may be added, redefined or removed. The published SNIF reports found on the LIO website will always reflect the latest implemented version of the data class.

Appendix 1: Data Class Role Descriptions

Confirmed roles and associated responsibilities are crucial for the successful implementation and continued maintenance of all structured geospatial information holdings. The following is a listing of primary role types and context.

Role	Responsibility	Organization / Position
Information Owner - Executive	Information Owner at the **executive** level who: - Sets overall strategy and high level policy for Branch business areas programs with regards to the information holding. - Recognizes information holding as a Branch asset and responsibility by signing the Data Access and Distribution (DADA) form filed with Information Access.	Varies Branch Director or equivalent
Information Owner - Program	Information Owner at the **program** level who: - Approves and promotes standards, guidelines and procedures for their information holding including its continued maintenance. - Approves deliverables associated the above, including those associated with data modeling projects and enhancements. - Ensures that the appropriate business area experts and resources are available to define and implement the abovementioned deliverables. - Ensures the continued maintenance, data safeguarding (where required) for the information holding. - Ensures that their information holding's user and stakeholder community are kept informed engaged.	Varies Business area's Section Manager or equivalent
Main Business Area Contact	Main business area lead at the **operational** level who: - Is contacted for modeling and enhancement decisions - Is very familiar with the information holding and its maintenance standards. - If contacted by LIO and NRVIS Support, can answer technical questions about the information holding or… - Direct these questions to or obtain answers from their appropriate business area expert.	Varies Usually one of the Business Area Experts who is coordinating work and standards associated with the Information holding.
Business Area Expert	Intimate with the information holding at the **operational** level who is responsible for one or more of the following: - Defining the business area's information holding requirements, standards, guidelines and procedures. - Create/update the information holding's official metadata record using the LRC's Metadata Management Tool (MMT). - Is intimate with the information holding's standards and maintenance. - Making or overseeing updates to the information holding and preparing the data for loading into the OLIW database via the NRVIS application or SNIF packages. - For NRVIS data classes: is the NRVIS Administrator who controls the level of access (browse, edits, database check-in) privileges to the information holding by the NRVIS user community. - Answering questions and providing support about their data, standards and guidelines.	Varies Can be from the same or a different business area for the information holding

Appendix 2: How to Interpret a Data Model Diagram

The chart below provides a basic primer on how to interpret the symbology seen in a model's Entity Relationship Diagram (ERD).

RELATIONSHIP CARDINALITY between tables

0,1 or more | 1 or more | 0 or 1 | only 1 | 5 exact # specified

Parent Table
Parent Table Record ID

Child Table
Child Table Record ID
Parent Table Record ID (FK)

IDENTIFYING Relationship
parent table foreign key is included in child table's primary key

Parent Table
Parent Table Record ID

Child Table
Child Table Record ID
Parent Table Record ID (FK)

NON-IDENTIFYING Relationship
parent table foreign key is placed in main body of child table

MANAGER
Manager ID
Manager Name

supervises / reports to

EMPLOYEE
Employee ID
Employee Name
Manager ID (FK)

VERB PHRASES describe relationships (parent to child/child to parent)
A Manager supervises one or more Employees
Each Employee reports to only one manager