

GIS Integration at the Newfoundland and Labrador Center for Health Information

Topics

- NLCHI Overview
- GIS at NLCHI
- Current/Past Projects and Information Requests
- Future Work

Newfoundland and Labrador Centre for Health Information

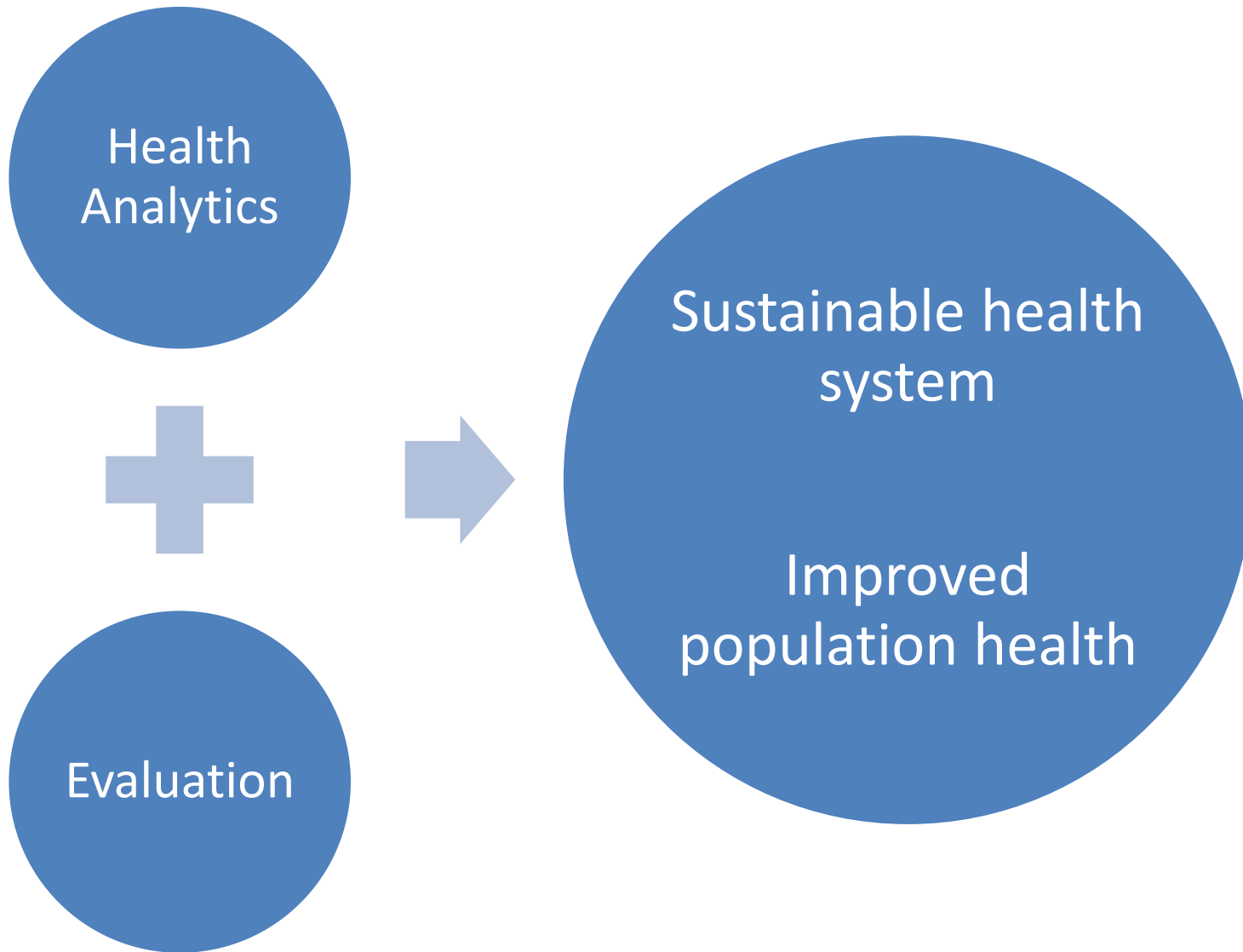
- Crown corporation of the Government of Newfoundland and Labrador.
- Mandate:
 - To assist individuals, communities, health service providers and policy makers at federal, provincial and regional levels in making informed decisions to enhance the health and well-being of persons in the province by providing a comprehensive province-wide information system.

Health Analytics and Evaluation Services Department

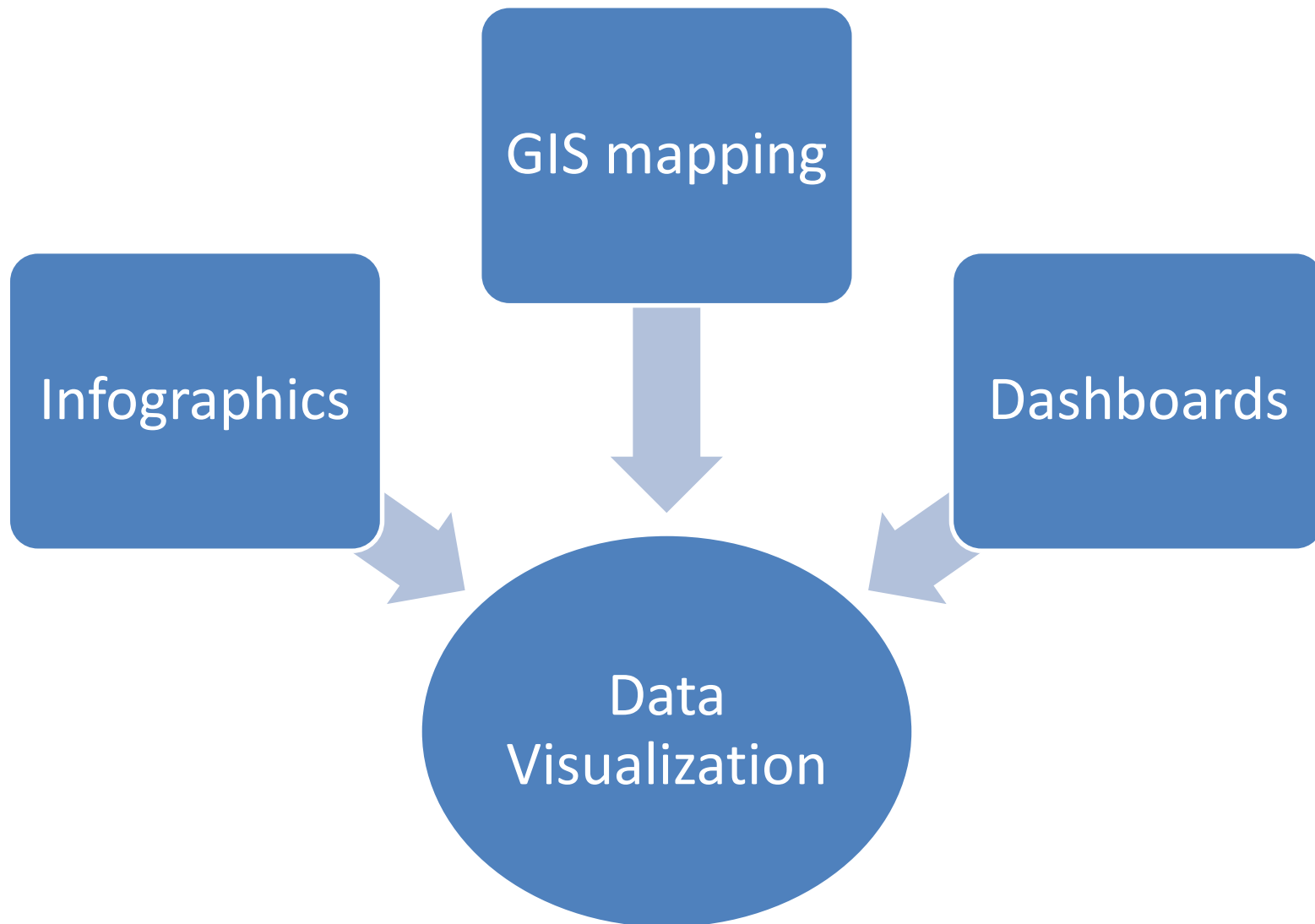
- Support health information needs of DHCS, RHAs, MUN, other health system stakeholders (e.g., PHAC)
- Provide analytic and evaluation services
- Provide leadership for health data standards development and support implementation
- Manage key provincial datasets on behalf of the Province and support data quality

Definitions

- Health Analytics:
 - Application of statistical, analytical and visualization tools and techniques to generate information to support provincial health policy and health system management.
- Evaluation:
 - Systematic collection of information to assess how well something is working and make recommendations for improvement.



Data Visualization – Using Data to Tell a Story



GIS at NLCHI

- Provide GIS support for projects and information requests
- Assist staff members with map creation, data analysis and application development

Current/Past Projects

- Pharmacy Network Deployment
- HealthLine 811
- Naloxone Kit Locations
- Flu Vaccine Clinics

Pharmacy Network

- Provincial Drug Information System that provides health professionals access to patients' medication profiles.
- All 203 Pharmacies connected as of May 26, 2017.
- Deployment progress was monitored using map products to show the locations of pharmacies connected.
- Provided an ArcGIS Online solution instead of a static map.
- [Pharmacy Network](#)

HealthLine 811

- HealthLine 811 is a telephone service staffed by experienced Registered Nurses.
- Examining the feasibility of an online application which displays locations of health care services based on spatial location.
- Created an online demo using the Local Perspective template in AO.
- [HealthLine 811](#)

Naloxone Kit Pickup Locations

- Opioid addiction is present all over Canada, including Newfoundland and Labrador.
- The goal of this online application is to provide the public with information on Naloxone kit locations.
- [Take Home Naloxone Kit Locations](#)
- [The geography of opioid addiction](#)

Flu Vaccine Clinic Locations

- The goal of this online application is to provide the public with information on flu vaccine clinic locations.
- Similar to the Naloxone application, information boxes are used to display information such as location, date and time.
- Any updates by the RHA, can easily be pushed to the application by editing base web map.
- [2017-2018 Flu Vaccine Clinics](#)

Future Projects/Work

- EMR – Electronic Medical Record Deployment
 - Computer based patient medical/health records
 - Provide a similar “dashboard” application like the Pharmacy Network
- Involvement of Story Maps for future applications
- Leverage the tools in ArcGIS Pro to produce improved static maps



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