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Overview



- Population Health
- The Atlas
 - Vision
 - Background
 - Components
 - —Indicator Maps
 - —Community Resources
 - Next Steps
 - ► The Technology



Population Health Approach



- An approach to health planning and research that is population-based, as endorsed by Health Canada
- Aims to improve health of entire population and to reduce inequities in health among groups
- Considers health determinants, including social, economic and physical environments, to assess community needs and vulnerabilities



The Vision



- To promote the dissemination and use of health-related information in local decisionmaking.
- To inform the public about the health status and community resources in their neighbourhoods



Background



- Initiated as a project in April 2004
- Partnered with the Capital Regional District (CRD), Victoria, BC
- Designed with four users in mind:
 - Health planners/researchers
 - ► VIHA public health program managers (CCFL, HPES, Tobacco, Food Security, Emergency Planning, etc.)
 - Community Groups
 - General public



Indicator Maps



Will include the following statistics:

- Socio-Economic Indices
- Census Data
- Birth Related Data
- Death Related Data
- Hospital Services Utilization Data

*Will contain over 100 statistics



Indicator Maps

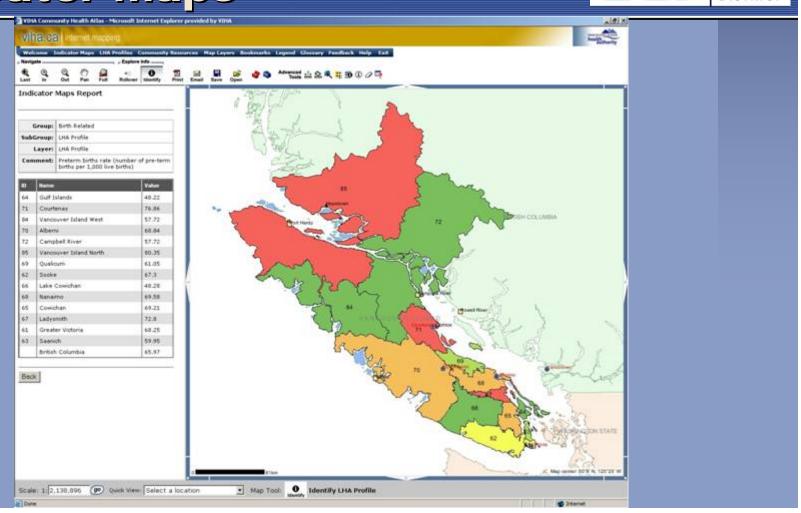


- Select an indicator group (i.e. Birth Related)
- Select an indicator (i.e. Pre-term Births)
- Create map / create report



Indicator Maps







Community Resources Query



- ♦ Step 1:
 - ▶ Type in an address
- **♦** Step 2:
 - Select the facilities you would like to query
 - Select a maximum distance (500m, 1km, 2km)

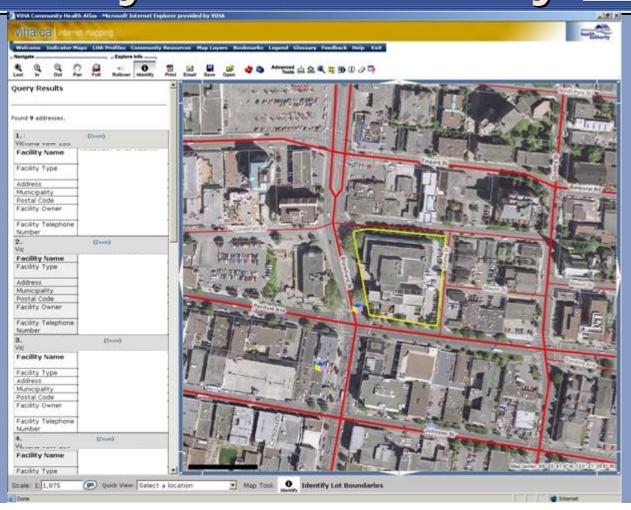
Result:

All selected facilities within the specified distance will appear in the map window with a report in the left frame containing attribute data (phone number, address, etc.)



Community Resources Query







Community Resources Query



- Challenges
 - Deciding what data to include
 - Collecting, verifying, and maintaining data for all VIHA
 - Privacy Issues



Next Steps...



- Publish this site to internal VIHA users and make it publicly available on the internet
- Address the community resources query challenges
- Monitor site usage and respond to user feedback





The Technology









ESRI ArcIMS (Internet Map Server)

Serves Shapefiles and ArcSDE Geodatabase

Geocortex IMF – Latitude Geographics

Serves ASP-generated HTML output pages

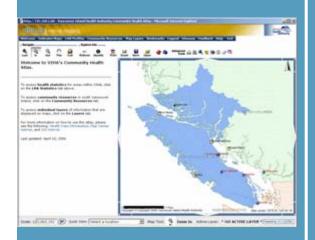
GIS Database contains layers from numerous provincial, municipal and regional partners

- Lot boundaries
- Political boundaries
- Census boundaries
- Health Facilities





Steps in Building the Site



Define workflow

- Indicator Maps
- Community Resources
- Map Layers

Collect and organize data

- Rectify boundaries
- Heath Services contact information

Link data to the Map

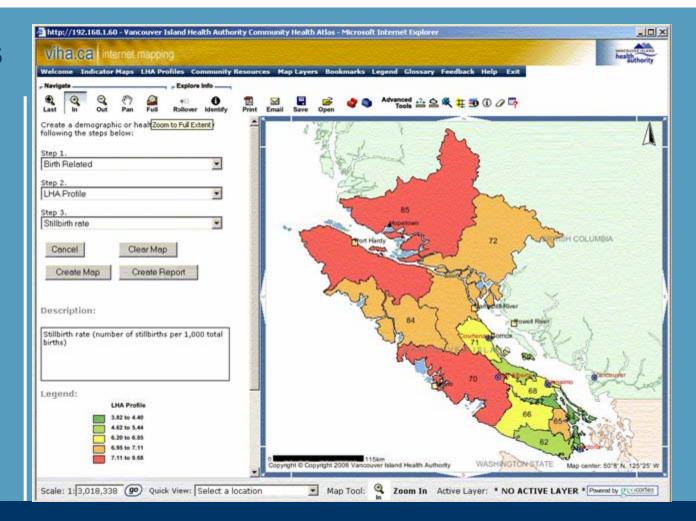
- Define key fields
- Theme on external data tables
- Customize reports





Indicator Maps

Dynamic thematic mapping of health statistics information

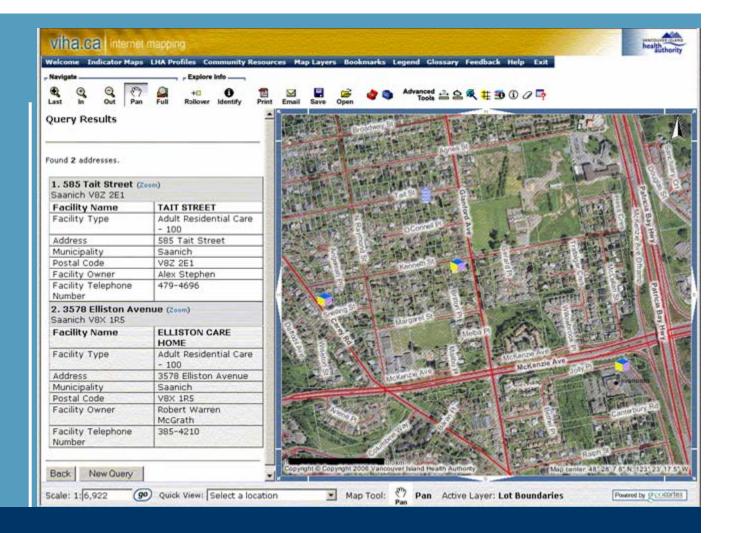






Community Resources

Query and locate within your neighbourhood







Public Web GIS Sites

viha.ca internet mapping





Information tool designed for any public group:

- CommunityOrganizations
- Health FacilitiesPlanners
- Health Workers and Inspectors
- Schools
- General public

Aid in informed decision making





Thank You

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for more information