The Early Development Instrument (EDI)

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Michele Wiens
(mwiens@interchange.ubc.ca)

Research Manager
Provincial Mapping Project (HELP)
The Early Development Instrument (EDI)

- is a key component of the provincial mapping project of the Human Early Learning Partnership
- enables communities to assess children's readiness to participate in and benefit from school activities

This presentation will include

- an outline of major project goals
- a description of the EDI and its introduction into BC school districts
- a summary of outcomes to date and future direction
Districts which will be implementing the EDI in 2004

19  Revelstoke
27  Cariboo-Chilcotin
42  Maple Ridge-Pitt Meadows
45  West Vancouver
49  Central Coast
52  Prince Rupert
84  Vancouver Island West
92  Nisga'a
EDI 2004

- Invite districts which have not yet implemented the EDI to participate in 2004*
  - 10  Arrow Lakes
  - 54  Bulkley Valley
  - 81  Fort Nelson
  - 93  Conseil scolaire francophone

*(this list of non-participating districts was prepared Sept 23, 2003)

- Invite remaining Independent and Band Schools to participate in EDI 2004

- Re-sample for 3-year cycle (e.g. Vancouver)
• Description and details on the EDI – the tool and training

EDI (jpeg)
Summary of Outcomes

- **Outcomes:**
  - Abbotsford
  - Central Vancouver Island
  - Fraser North
  - Prince George

- **Future Directions:**
  - Child Health Atlas
  - ArcIMS website
  - Community Asset Mapping
Introduction

What is Asset Mapping?
HELP's Role in Asset Mapping
Which Communities are Undertaking Asset Mapping?
What is Community Asset Mapping?

- Mapping services and resources within communities serve to show what programs and resources are available, where these programs are located, program capacity, frequency of access, etc.

- For children under 6, we have produced a variety of maps for Vancouver showing neighbourhood, educational and parenting resources. For example:
  - parks, libraries
  - recreation and community centres
  - vision screening locations
  - food bank locations
  - literacy programs
  - child care services, parenting programs

Please refer to accompanying sheet: Early Development and Community Asset Mapping
HELP’s Role in Community Asset Mapping

- To increase awareness in communities of the value of community asset mapping
- To initiate mapping in communities by:
  - meeting with Intersectoral Coalitions to discuss community mapping strategies, particularly:
    - definitions of community and neighbourhood for the purposes of mapping
    - relationship of statistical boundaries with social planning areas and other administrative/physical units
    - data collection and access (gathering information from community service providers)
    - supports/ resources for mapping
    - networks (community- and provincial-level) for mapping
Which Communities are Undertaking Asset Mapping?

- Central Vancouver Island
- Eastern Fraser Valley
- Fraser North
  - (Coquitlam, Port Coquitlam, Port Moody, Anmore and Belcarra)

In the Early Stages:
- Burnaby
- Central Okanagan
- East Kootenay
- Kamloops
- South Fraser (Surrey, Langley, Delta, Ladner…)
- Sunshine Coast
- Victoria
Choosing Community Assets to Map
Which questions would you like to answer?

- What are the common concerns of your community? (i.e. child care, literacy, teen pregnancy, domestic violence)
- What particular services or resources tie to these issues? (library outreach services, literacy programs, ESL programs, parenting programs)
- What aspects of the services are of interest? (i.e. capacity of programs, frequency of programs, number of programs, ages serviced by programs)
- Where are child care services located? (spatial location/distribution of services)
Examples of asset maps that have been created (municipal level)

Vancouver Maps produced by HELP

AllLicensed Child Cares, Preschools, Family Places and Drop-In Centres

Licensed Child Care and Preschool Spaces per Capita for Children 0-5

Child Care Subsidies ages 0-5 by Care Type, 1999-2000

1999-2000 Kindergarten Vision Tests, Proportion of Referrals

Food Banks: Clients age groups as a Proportion of all Recipients

Family Strengthening Programs: Number of Families Served by Cap-C coalitions, partner agencies and other programs, 2000-2001

Cost of a Nutritious Food Basket as a Proportion of Neighbourhood Mean Household Income and Children (0-6) served by Food Banks

Please refer to accompanying list (Appendix 1 - Vancouver Asset Maplist)
Where are the Child Care Places and Spaces in Campbell River?

Here?
Randomly distributed?
Uniform access?
1999-2000 Kindergarten vision tests, proportion of referrals

The University of British Columbia Community Asset Mapping Project

Proportion of kindergarten students, tested in 1999-2000, referred for further vision testing.
- Red dots: 0 - 3%
- Pink dots: 4% - 6%
- Grey dots: 6% - 8%
- Light blue dots: 8% - 10%
- Blue dots: 10% - 12%
- Dark blue dots: 12% - 14%

Source: Vancouver-Richmond Health Board, July 2009
Food Banks: Client age groups as a proportion of all recipients
Family Strengthening Programs: Number of families served by CAP-C coalitions, partner agencies and other programs, 2000-2001
Cost of a nutritious food basket* as a proportion of mean household income and children (0-6) served by food banks
Where are community assets in Campbell River?

- Food Banks?
- Family Strengthening Programs?
- K-Vision Screening Programs?
- K-Hearing Screening Programs?
Examples of asset maps that have been created (provincial level)

BC Provincial Maps produced by HELP

Building Blocks: Provincial Sites and Number of Families Served

Cap C Location and Number of Sites

Child Investigations by Local Health Area for Ages 0-4, British Columbia, 1998-2000 (Quintiles based on a rate per 1000)

Aboriginal Human Resource Development Agreement (AHRDA) Regions Number of Child Care Spaces per Capita (0-5 on-reserve) funded by the First Nations and Inuit Child Care Program


Please refer to accompanying list (Appendix 2 - Provincial Asset Maplist)
Building Blocks Programs
Number of Families Served (2001-2_)

Number of families served by Building Blocks Programs

- 11 - 25
- 26 - 73
- 74 - 330
- 331 - 466
- 467 - 603

Source: Ministry for Children and Family Development, 2002
*Numbers served indicates number of participating families since the program began.
Cap-C Location and Number of Sites

Data Source: Health Canada, Community Based Programs
* CAP-C: Community Action Program for Children
Aboriginal Human Resource Development Agreement (AHRDA) Regions
Number of Child Care Spaces per capita (0-5 on-reserve)
funded by the First Nations and Inuit Child Care Program
First Nations Aboriginal Head Start Projects
On-reserve and Off-reserve Aboriginal Head Start Projects in BC as of Dec 03, 2001

Source: Health Canada
Examples of BC Atlas Maps (CHSPR)

BC Local Health Area Maps produced by Centre for Health Services and Policy Research

Aboriginal Population

Incidence of Low Income in British Columbia

Unemployment

# of Students Enrolled in Band Schools per School District (*HELP)
Aboriginal Population

Percentage of population reporting any aboriginal status
(1996 data)

Source: 1996 census, semi-custom area profile, Health Data Warehouse, BC Ministry of Health
Unemployment

CHSPR: BC Health Atlas
Examples of Socioeconomic Maps

**Eastern Fraser Valley**

Average Census Family Income, 1996

**Vancouver**

Renters, Spending 30% or more of their Income on shelter costs
Average Census Family Income, 1996 (E Fraser Valley)

INSET: City of Chilliwack

Average Census Family Income

- $24,757 - $25,849
- $25,850 - $31,472
- $31,473 - $38,749
- $38,750 - $47,183
- $47,184 - $54,220

Source: 1996 Census
Proportion of the Population 15 Years and Over Performing 15 or More Hours of Unpaid Child Care per Week, 1996

INSET: City of Port Alberni

Hours of Unpaid Child Care per Week

- 17.80
- 17.81 - 19.99
- 20.00 - 20.39
- 20.40 - 23.81
- 23.82 - 24.79

Source: 1996 Census
Renters, spending 30% or more of their income on shelter costs

The University of British Columbia Community Asset Mapping Project

Percentage of renters, spending 30% or more of their income on shelter costs:
- 34% - 39%
- 40% - 44%
- 45% - 49%
- 50% - 54%
- 55% - 59%
- Data unavailable

Source: 2006 Census Statistics Canada
What data are available?

Surveys – Conducting Original Community Research

- What programs/services are out there? How do you find this out? (conceptualizing community network of programs)

- What information is collected?

- Is the data collected and inputted into an electronic spreadsheet?

- How long has the data been collected?

- Is address/postal code information available?

- Is the data confidential?

Sample form for collecting data is available, modified from HRDC
Conceptualizing community functions

- Network of functions to provide support related to categories, e.g. domestic violence
- Alternative community support frameworks
Creating Maps: an Overview

- Electronic data - The need to scrub
- Boundary Files - The substrate
- Decision on 'Neighbourhood' or Statistical boundaries
- Mapping Software

Introduction
Choosing Community Assets to Map
Community Asset Mapping
Mapping - Literature, Misc.
Mapping Assistance
Sharing Maps
Mapping Software
- Getting database information (e-form) (community data survey form)

- Reviewing data for accuracy & completeness

- Coding data (no=0; yes=1; missing=9; bdate, postal code)

- Finding missing postal codes

*Time budgeted for this is generally underestimated

Taking it further (Maps requiring Data Manipulation….)(statistics, merging….)
Viewing/Displaying Data
Boundary Files / Choosing ‘Neighbourhoods’

Electronic data files for your community (source, type)
- Dissemination Areas, Census Tracts
- Social Planning Areas
- School Catchment
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- Local Health Areas
- Micro Health Regions
- Electoral Districts

Choosing ‘Neighbourhoods’
How would you like to “view” this data?
How do you aggregate your data?
What are most meaningful ‘neighbourhoods’?
Where are the “recognized” neighbourhoods in Campbell River? How do you identify them?
Choosing “Neighbourhoods” - Decisions to be Made
One Option of Data Display – Dissemination Areas
(aggregate)

- **Dissemination Area (DA)** (new for 2001 Census)
- The DA replaces the Enumeration Area (EA) for 2001, as the smallest unit for which census profile data will be available. The block is the basic unit used to construct the dissemination areas.
- Blocks were aggregated to produce DAs with:
  - a compact shape
  - a population of 400-700 (optimum 500);
  - visible features for boundaries

*approx 50,000 DAs for Canada; 7400 for BC

DAs are based on population, not dwellings as EAs were. Implication-less suppression (3-7% c/f 30%); more stable(?) different boundaries-conversion)
Victoria Greater Region Dissemination Areas and LHA Boundaries
Mapping Software and Creating Maps

- ArcIMS
- MapInfo
- ArcView GIS
- ArcIMS
Making maps using a website

MCFD demo
Sharing Maps with the Community

- Community links
- Goals
- Ongoing tasks
- Dissemination

Sharing Maps

- Mapping - Literature, Misc
- Mapping Assistance
- Introduction
- Choosing Community Assets to Map
- Creating Maps
- Mapping Software

This map provides partial information and is not meant to be complete.
Sharing Maps with the Community

- Why have you done the community mapping study?
- What do you want the community to be able to do with the information you have mapped?
- Who are your target audiences?
- What are the best ways to reach them?
- What level of statistical language will be comfortable for each group?
Sharing Maps with the Community

- Who are your target audiences?
  - Community infrastructure
    - Education sector: School district
    - Health sector: Health units/agencies/authorities
    - Other local ministries, e.g. MCFD
    - Municipal governments
    - Business sector
    - Family-serving agencies
    - Voluntary/Service Club sector, etc.
Sharing Maps with the Community

Who are your target audiences?

- Community residents
- Neighbourhood-by-neighbourhood
  - Contact neighbourhood-based hosts
  - Community associations
  - Neighbourhood houses
  - Recreation centres
  - Local Parent Advisory Councils, etc.
Mapping Assistance

Online Courses
Institutions
Community Groups

Mapping Assistance

Mapping - Literature, Misc
Introduction
Choosing Community Assets to Map
Creating Maps
Mapping Software
Sharing Maps

Community Asset Mapping

This map provides partial information and is not complete.
Mapping - Literature, Misc

Books

Misc Websites

Further Discussion

✓ Contacting HELP

Introduction

Choosing Community Assets to Map

Creating Maps

Mapping Software

Community Asset Mapping

Mapping Assistance

Sharing Maps

This map provides a visual outline of the content in the document.
Learning Sites and Literature

NCGIA Core Curriculum
   GIS course notes for all levels
   <http://www.ncgia.ucsb.edu/pubs/core>

Beginner’s Guide to GIS (online)

GIS Online Tutorials
   <http://www.geog.ubc.ca/vgd/gis>

*Introduction to Geographical Information Systems*
   (Heywood 2002)

*Community Participation and GIS*
   (Craig, Harris, and Weiner, 2002)
HELP: Maps
http://www.earlylearning.ubc.ca/pub_map.htm

HELP: EDI
http://www.earlylearning.ubc.ca/mapping_cd_edi.htm

HELP: Vancouver Report
http://www.earlylearning.ubc.ca/vancouverreport.pdf

BC Health Atlas:
http://health-atlas.chspr.ubc.ca/
Please visit HELP’s website:

http://www.earlylearning.ubc.ca

Sign up for HELP’s Listserv online.

Listserv includes:
Quarterly updates, research projects, new publications and resources, upcoming events, forum notes, etc

HELP’s Mission:
“To create, promote and apply new knowledge through leading interdisciplinary research to help children thrive”