

## Topic 15:

### **How can I access the underlying mapping shape files used in the web-based maps to undertake my own analyses in a GIS mapping program such as ArcGIS or QGIS?**

**Scenario:** Need to access the underlying shape files used to populate the web-based mapping applications in order to build custom maps and undertake more advanced spatial analyses in a 3<sup>rd</sup> party GIS mapping program such as ArcGIS or QGIS.

**Tools to Use:** The Data Dictionary

**Instructions:** Go to the Data Dictionary on the MBCDP web-site and navigate to the map layer of interest. At the bottom of the data documentation tab is a link to download the shape file of interest. Field definitions for the shape file are included in the data documentation. See example below

#### Data Downloads:

- Shape Files: [Manitoba](#) Winnipeg Health Region
  - Relevant Field Definitions:
    - dauid: dissemination area code
    - ahbtaxmedi: before tax median household income
    - ahataxmedi: after tax median household income
    - linctotal: total individuals in low income households
    - linc05: individuals 0 to 5 years of age in low income households
    - linc617: individuals 6 to 17 years of age in low income households
    - linc1864: individuals 18-64 years of age in low income households
    - linc65plus: individuals 65 plus in low income households
    - iq0 to iq5: number of individuals by income quintile

#### **Variations on this Exercise:**

- You can also download most map layers in KMZ format as well. These are formatted with symbology and attribute pop-ups so they can be used directly in Google Earth.