DX MICS

User's Guide

Acknowledgement

This database software has been developed with the cooperation of the UN system. The product has been adapted from UNICEF ChildInfo technology.

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Contents

INTRODUCTION

The **DX MICS** data exchange application enables you to map and then import statistical data from MICS output files into a DevInfo 6.0 database. This data exchange application is available under the **Data Exchange** module in the DevInfo 6.0 Data Administration application.

Content Overview

This guide contains two chapters:

Chapter 1, "**Getting Started**," outlines the system requirements, starting procedures, and the user interface of this data exchange application.

Chapter 2, "**Using the DX MICS Application**," describes the steps that enable you to use this data exchange application.

CHAPTER 1

Getting Started

This chapter explains the system requirements needed to run the application as well as how to launch it.

System requirements

The recommended minimum hardware requirements to install and run the DevInfo 6.0 application are as follows:

- Pentium IV
- 512 MB of RAM
- 1 GB of free hard disk space
- Display resolution 1024 x 768
- Microsoft Windows XP or above
- Microsoft Internet Explorer
- Microsoft Office XP is recommended but not required

Starting the DX MICS application

Follow the steps given below to start this data exchange application.

- Launch the DevInfo 6.0 Database Administration application.
- To start, click **DX MICS.exe** under the Data Exchange module (Fig. 1.1).

Fig 1.1 – DevInfo 6.0 Data Admin – DX MICS.exe selection

CHAPTER 2

Using the DX MICS Application

This chapter explains how to use the **DX MICS** data exchange application to import MICS output files into the DevInfo 6.0 database and DevInfo 6.0 Data Entry Spreadsheets. The **DX MICS.exe** data exchange wizard is a three-step process.

Step 1 – Selecting the file

In step 1, select the desired syntax files and data files or output files, to import the MICS data into a DevInfo 6.0 database. This step also enables you to edit the *.sps syntax file, file name, and filepath of the *.sav data file while importing the MICS data using syntax files and data files. (Fig. 2.1).

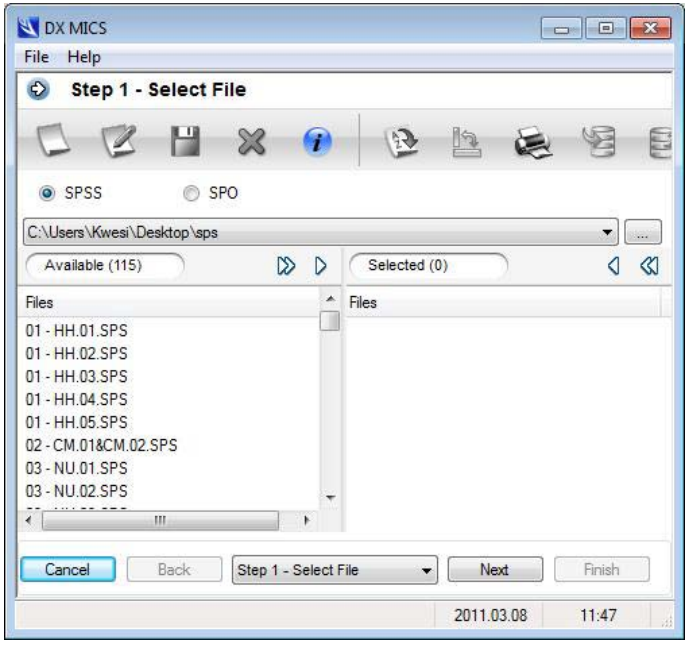

Fig. 2.1 – DX App. MICS – Step 1 – Select SPO File

Click **Browse** to select the location of the folder containing the *.sps syntax file. Select the syntax file from the **Available** pane and click to open the selected file in the **Information** window to edit the file name and path of the *.sav data file.

Note that multiple *.sps syntax files can be selected at the same time through batch processing.

Note: Batch Processing

Batch processing allows you to map multiple *.sps in a single DevInfo 6.0 database. It is important for *.sps and *.dmx files to be in the same folder for batch processing to be performed correctly.

Click **Save** to save the changes made to the syntax file.

Click **Next** to continue to step 2.

Step 2 – Selecting the database

In step 2, select a DevInfo 6.0 database or template to map the elements of the SPO table to DevInfo elements (Fig. 2.2).

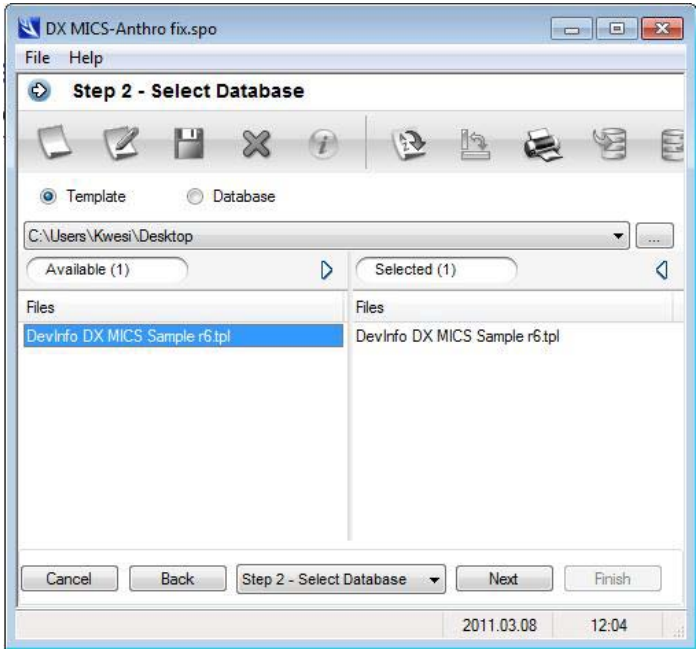

Fig 2.2 – DX MICS –Step 2 – Select Database

Click **Browse** to select the location of the folder containing the DevInfo 6.0 template or database.

Click **Next** to continue to step 3.

Step 3 – Mapping SPO tables

In step 3, you can map the column and row headers of the MICS output file to the database elements of the specified DevInfo 6.0 database or template using the following tabs available on this window:

- SPO
- Default
- Columns
- Rows

SPO

This tab enables you to view the MICS output files in a tabular format. (Fig. 2.3).

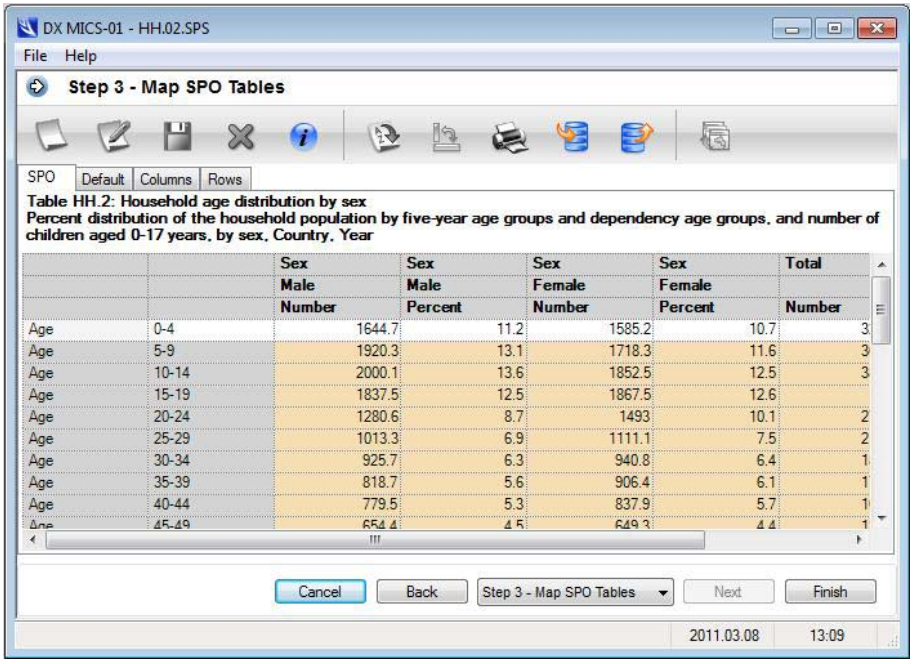

Fig. 2.3 – DX MICS – Step 3 – Map SPO Tables – Viewing SPO table

The data value cells are shaded in light red in the table.

You can also set the denominator for data values in the SPO table. Denominator values are stored in the database as attribute information of a data point. To set the denominator in the SPO table (Fig. 2.3) above, right-click any column header in the table and select **Set Denominator** (Fig. 2.4).

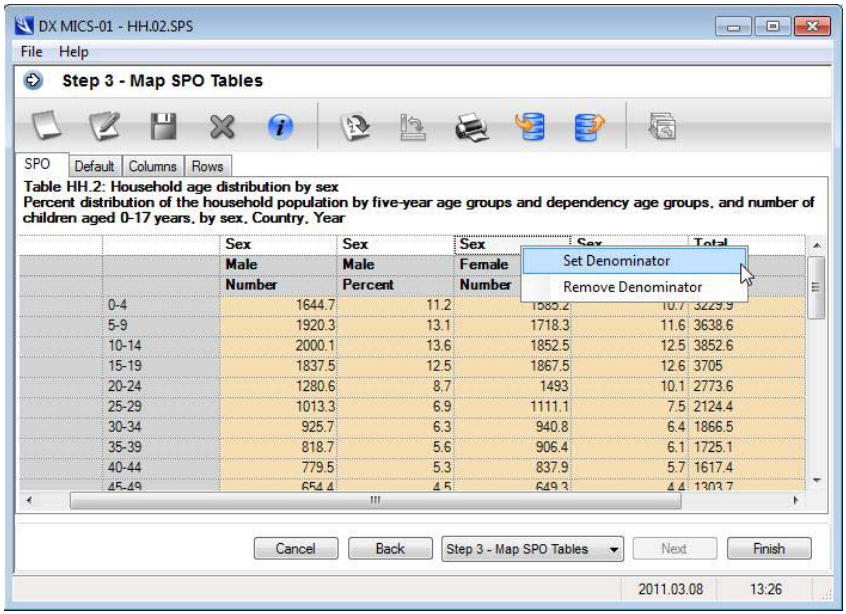

Fig. 2.4 – DX MICS – Step 3 – Selecting Set Denominator

Click **Set Denominator** to view the **Denominator** dialog box, and select the boxes corresponding to the columns for which you intend to set a denominator (Fig. 2.5).

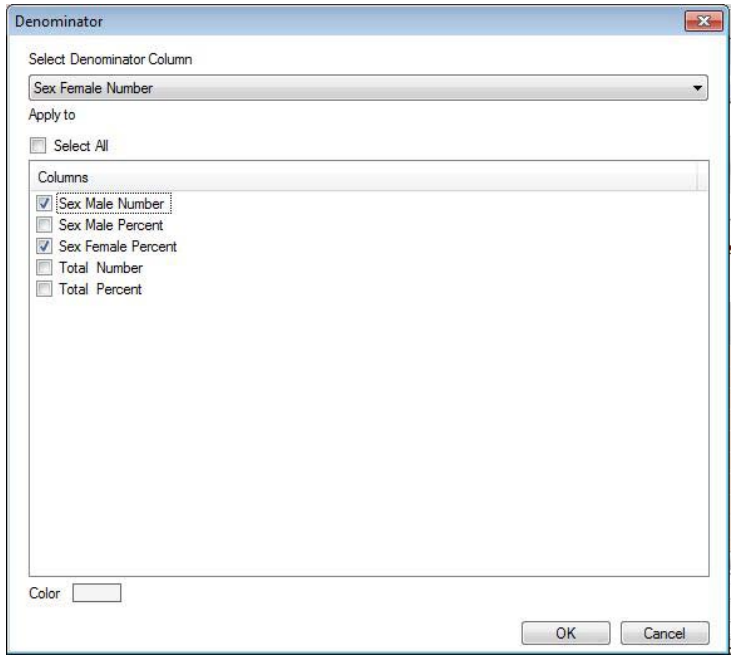

Fig. 2.5 – DX MICS – Step 3 – Setting Denominator

Click **OK** when done.

Default

Select the **Default** tab to set the default values for DevInfo 6.0 data elements. This tab enables you to set the default values for DevInfo 6.0 data elements using the **Time Period**, **Area ID**, **Area**, **Indicator**, **Unit**, **Subgroup** and **Source** fields and the **Decimals** box (Fig. 2.6).

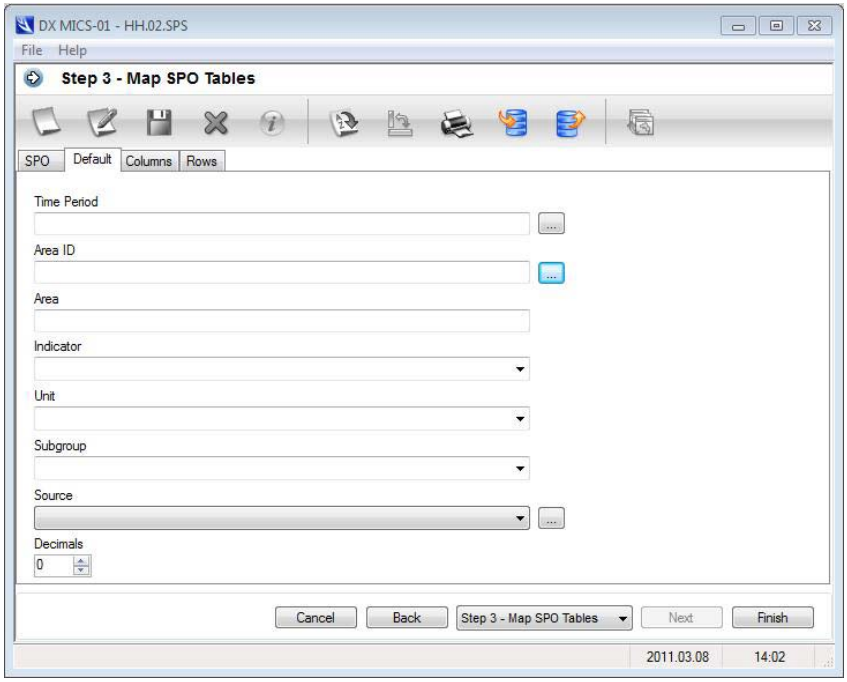

Fig. 2.6 - DX MICS – Step 3 – Map SPO Tables – Default tab

Note that default values should only be entered for those elements which are constant for all data values in the MICS source file. For example, suppose all data in the MICS source file share the same time period, same area, same indicator and unit, and same source, but have different subgroups. In this case, default values should be entered for time period, area ID/area, indicator, unit and source, but the **Subgroup** box should be left empty.

Click **Browse** next to the **Time Period** field to open the **Time Period** dialog box. Enter a default format and time period value for the field (Fig. 2.7).

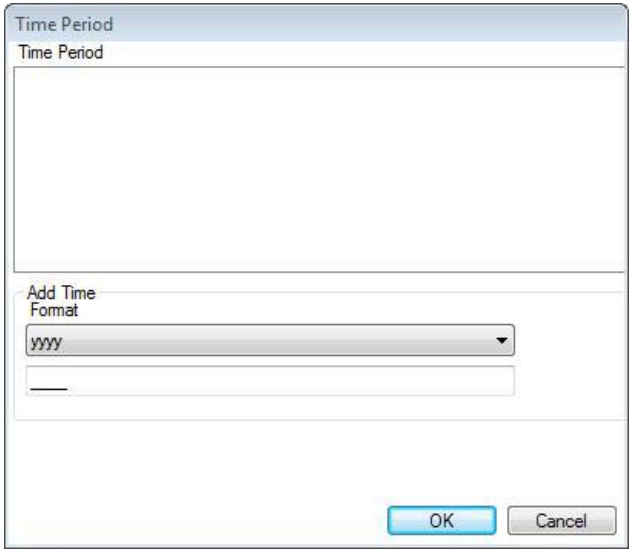

Fig. 2.7 - DX MICS – Step 3 – Map SPO Tables – Default tab – Time Period field

Click **Browse** next to the **Area ID** field to open the **Area** dialog box. Enter a default area name and area ID from the area tree displayed in the **Area** dialog box (Fig. 2.8).

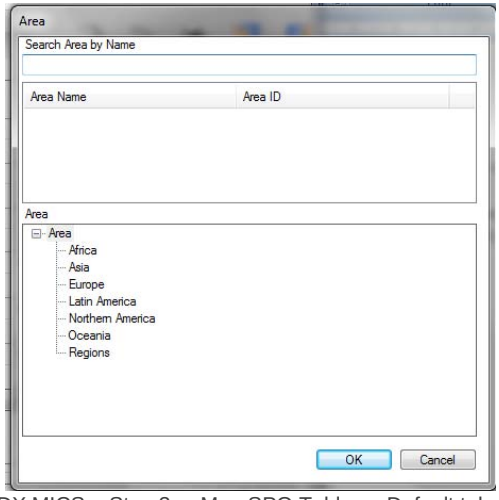

Fig. 2.8 - DX MICS – Step 3 – Map SPO Tables – Default tab – Area field

Note: Using the Search Area by Name feature

The **Search Area by Name** box allows you to perform an auto-suggested search of areas by area name and Area ID.

Select the desired default indicator, unit and subgroup from the respective drop-down lists in the **Indicator**, **Unit** and **Subgroup** boxes.

Click **Browse** next to the **Source** field to open the **Source** dialog box. Enter a default **Publisher**, **Title** and **Year** of publication from the respective fields displayed in the **Source** dialog box (Fig. 2.9).

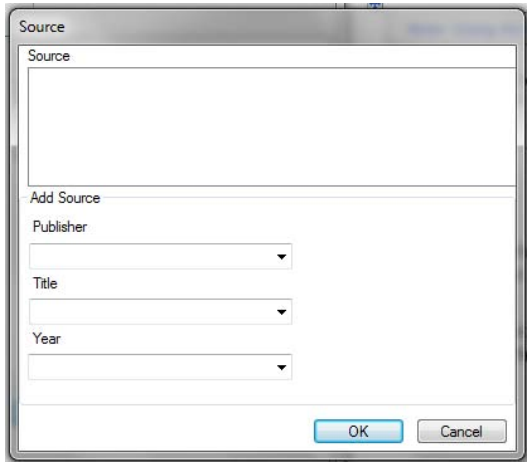

Fig. 2.9 - DX MICS – Step 3 – Map SPO Tables – Default tab – Source field

Columns

Select the **Columns** tab to map the MICS data column elements to the DevInfo 6.0 data elements (Fig. 2.10).

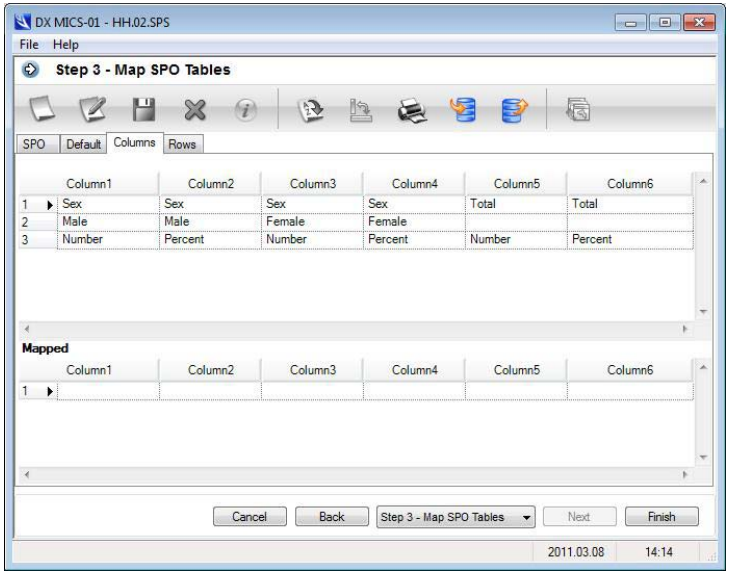

Fig. 2.10 - DX MICS – Step 3 – Map SPOTables – Columns tab

Double-click each of the column headers in the table immediately below the tabs to map the data. The **Linking Window** dialog box appears (Fig. 2.11).

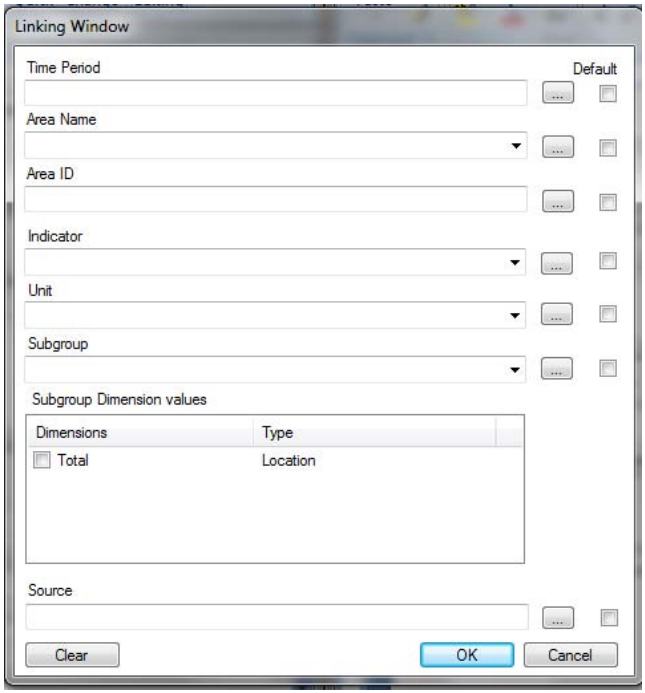

Fig. 2.11 - DX MICS – Step 3 – Linking Window

The **Linking Window** dialog box enables you to map the specified column element to the DevInfo 6.0 data element.

Click **Browse** next to any field box for additional data elements. Note that for the **Indicator**, **Unit** and **Subgroup** fields, you can select data elements from other DevInfo databases and/or from the DevInfo Registry, against which to map the MICS data column headers.

Repeat this same procedure to map the other MICS data column headers to their respective DevInfo 6.0 data elements (Fig. 2.12).

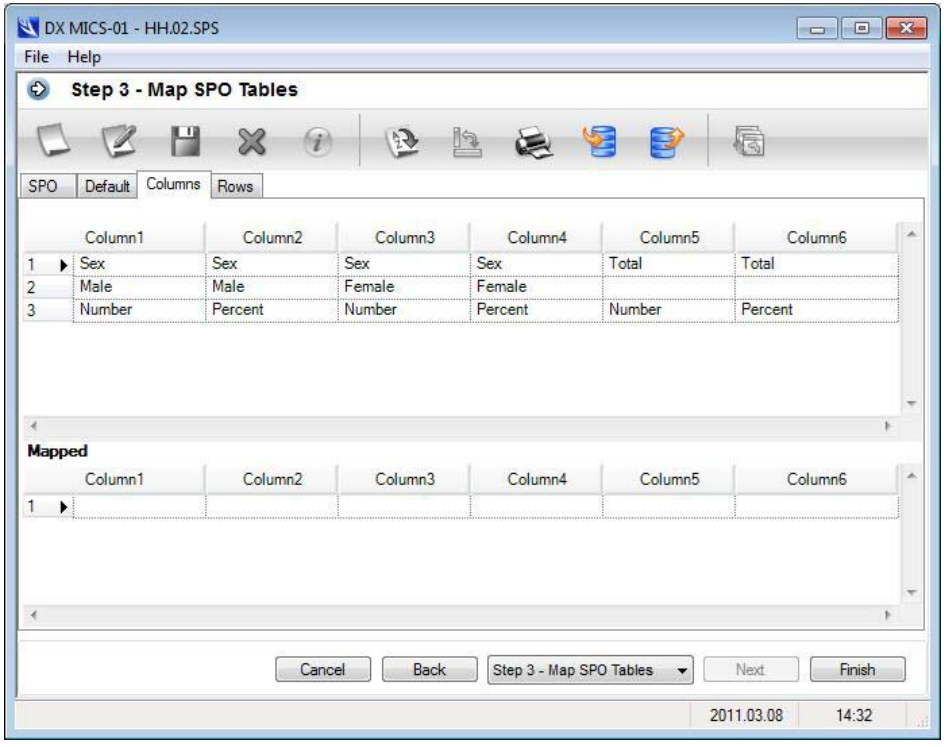

Fig. 2.12 - DX MICS – Step 3 – Map SPO Tables – Column Mapping

Rows

Select the **Rows** tab to map the MICS data row elements to the DevInfo 6.0 data elements (Fig. 2.13).

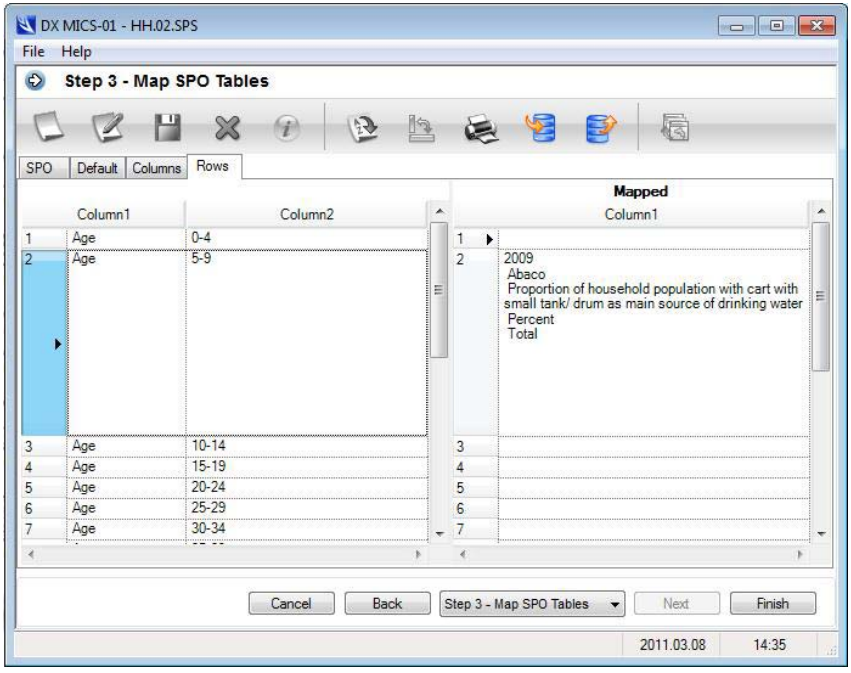

Fig. 2.13 - DX MICS – Step 4 – Map SPO Tables – Row Mapping

This process is nearly identical to that of mapping column elements. Double-click the rows to launch the **Linking Window** as depicted in Fig. 2.11. Follow the same procedure as explained previously to map the row elements in the MICS output file to the respective DevInfo 6.0 database elements.

Viewing mapped information

In the SPO tab, select any data point and click on the toolbar to view the mapped DevInfo 6.0 data elements. The Information window opens, displaying the mapped information (Fig. 2.14).

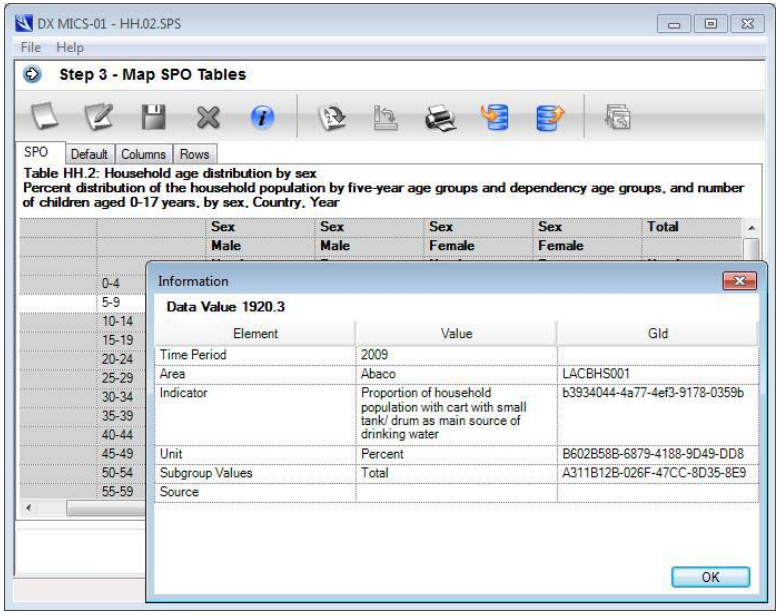

Fig. 2.14 - DX MICS – Information window – mapped data elements

The Information window shows the data value and various mapped field values for each cell in the column or row. Click **OK** to close the window.

Exporting a MICS mapping file

The application allows you to export the data containing mapped information from MICS output files to DevInfo 6.0 as a ***.dxm** file.

Click **Export** on the toolbar to export the MICS mapping file in Step 3. The application prompts you for a folder location and file name.

> **Note: When to export a mapped MICS file**
>
> Exporting a mapped MICS file can be useful in saving partially-completed mapping, which can be finished later by re-importing the data. It can also be used to map similar data to other databases.

Importing a MICS file

The application also allows you to import data in a ***.dxm** file containing already-mapped information from a MICS output file to DevInfo 6.0.

To import a *.**dxm** MICS mapping file, click **Import** in Step 3. The **Open** dialog box appears, allowing you to browse and select the desired MICS mapping file.

Upon selecting the desired file, the **Import** dialog box opens, prompting you to select the desired import preferences (Fig. 2.15).

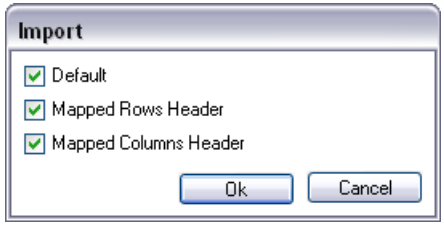

Fig. 2.15 – DX MICS – Importing options for importing a *.dxm MICS file

Click **OK** to import the information into the application.

Final Step

When row and column mapping is complete, click **Finish** in Step 3, to complete the process of importing the MICS output file row and column headers.

A **Save As** dialog box allows you to save the imported data elements as a DevInfo 6.0 database (Fig. 2.16).

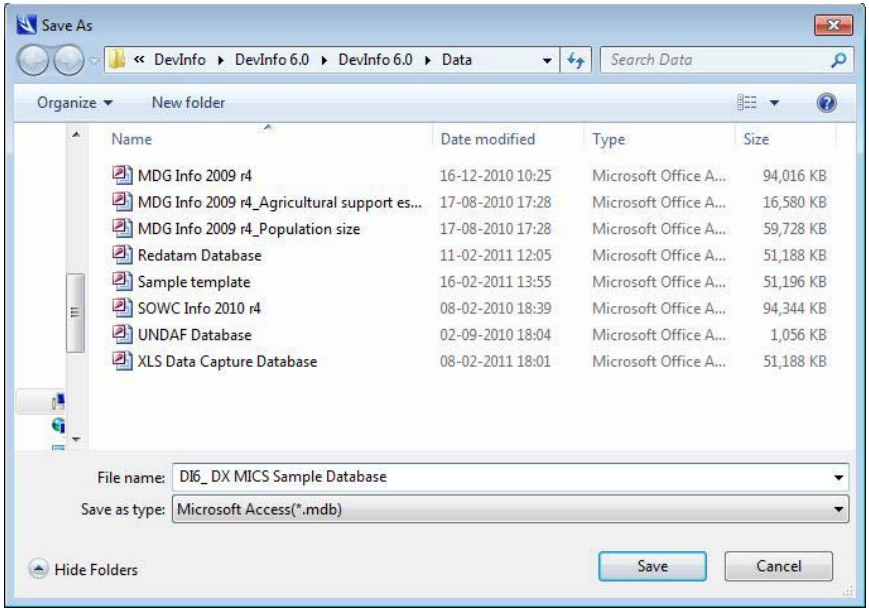

Fig. 2.16 - DX MICS – Save As dialog box

DX MICS log file

A log file is automatically generated once the database is saved. This log file is generated in HTML format and can be used to keep a record of the imported data (Fig. 2.17).

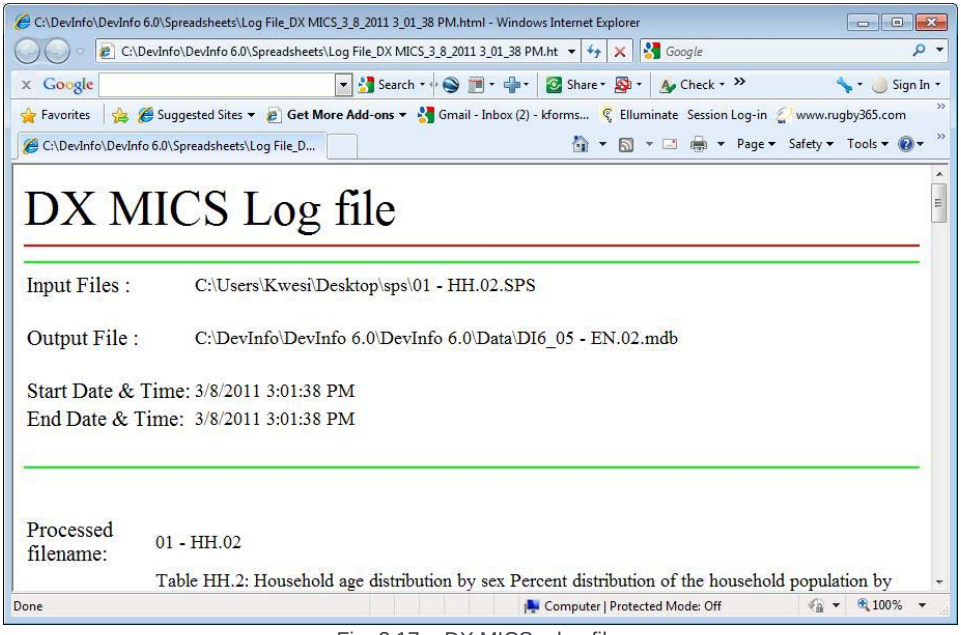

Fig. 2.17 - DX MICS – log file