

## BIRTHS MICRODATA USER GUIDE

### 1.0 Introduction

This microdata set provides data for resident Northern Ireland births registered in **2012** in excel format. The variables which are available in this microdata set are:

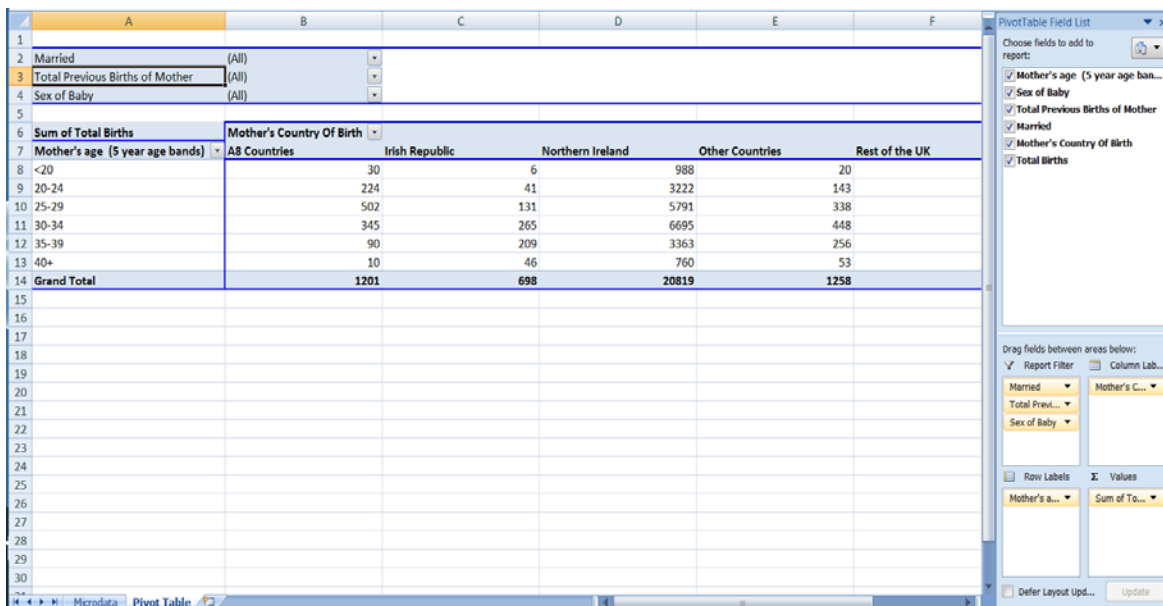
- **'Sex of Baby'** – includes the sex of the child. This variable is coded as 'Male' or 'Female'.
- **'Married'** – includes the marital status of the mother. This variable is coded as 'Yes' (married) and 'No' (not married).
- **'Mothers Age'** – includes the age of the mother. This variable is coded in 5 year age bands from '<20' to '40+'.
- **'Mothers Country of Birth'** – includes the country of birth of the mother. Coded as 'Northern Ireland', 'Irish Republic', 'Rest of the UK', 'A8 Countries' and 'Other Countries'
- **'Total Previous Births of Mother'** – includes the amount of births previously registered by the mother. This variable is coded as '0', '1', '2' and '3+'.

Note: any values marked as 'NULL' are due to data being unavailable.

### 2.0 Pivot table

The microdata can be manipulated in the pivot table to provide a variety of cross tabulations. When the microdata is opened in excel the basic pivot table layout provided is **'Mother's Age'** by **'Mother's Country of Birth'** (see figure 2.0).

Figure 2.0 – basic pivot table layout



| Sum of Total Births             | Mother's Country Of Birth |                |                  |                 |                |
|---------------------------------|---------------------------|----------------|------------------|-----------------|----------------|
| Mother's age (5 year age bands) | A8 Countries              | Irish Republic | Northern Ireland | Other Countries | Rest of the UK |
| <20                             |                           | 30             | 6                | 988             | 20             |
| 20-24                           |                           | 224            | 41               | 3222            | 143            |
| 25-29                           |                           | 502            | 131              | 5791            | 338            |
| 30-34                           |                           | 345            | 265              | 6695            | 448            |
| 35-39                           |                           | 90             | 209              | 3363            | 256            |
| 40+                             |                           | 10             | 46               | 760             | 53             |
| <b>Grand Total</b>              |                           | <b>1201</b>    | <b>698</b>       | <b>20819</b>    | <b>1258</b>    |

## 2.1 Changing the variables included in the pivot table

There are two main ways to change what variables are shown in the pivot table. Figure 2.1 illustrates how to use the 'PivotTable Field List'. This can be found on the right hand side of the excel spreadsheet (tab PivotTable).

Figure 2.1 – PivotTable Field List.

Choose fields to add to report:

- Mother's age (5 year age ban...
- Sex of Baby
- Total Previous Births of Mother
- Married
- Mother's Country Of Birth
- Total Births

Drag fields between areas below:

Report Filter: Married, Sex of Baby, Total Previ...

Column Labels: Mother's C...

Row Labels: Mother's a...

Values: Sum of To...

Defer Layout Upd... Update

This section shows the variables that are available to be used in the pivot table. These can be selected and deselected as required by using the tick boxes beside the variables.

This section shows which variables are selected for the column and the row of the table. In this case the selection for the basic pivot table available on opening the excel file is shown. **'Mother's Country of Birth'** is selected as the column variable and **'Mother's Age'** is selected as the row variable.

The other variables available, listed in 'Report Filter', can be dragged and dropped into the 'Column Labels' and 'Row Labels' boxes to change what is shown by the pivot table.

Figure 2.1.1 gives an example of using the PivotTable Field List to change the layout of the pivot table.

Figure 2.1.1 – PivotTable Field List example

Drag fields between areas below:

Report Filter: Married, Sex of Baby, Mother's C...

Column Labels: Total Previ...

Row Labels: Mother's a...

Values: Sum of To...

Defer Layout Upd... Update

The variable **'Mother's Country of Birth'** has been dragged and dropped in the 'Report Filter' box. It has been replaced by dragging and dropping **'Total Previous Births of Mother'** into the 'Column Label' box.

| Sum of Total Births             | Total Previous Births of Mother |             |             |             |
|---------------------------------|---------------------------------|-------------|-------------|-------------|
| Mother's age (5 year age bands) | 0                               | 1           | 2           | 3+          |
| <20                             | 946                             | 144         | 9           | 1           |
| 20-24                           | 2264                            | 1271        | 261         | 56          |
| 25-29                           | 3178                            | 2547        | 964         | 391         |
| 30-34                           | 2603                            | 3141        | 1595        | 775         |
| 35-39                           | 921                             | 1380        | 1105        | 768         |
| 40+                             | 203                             | 263         | 237         | 241         |
| <b>Grand Total</b>              | <b>10115</b>                    | <b>8746</b> | <b>4171</b> | <b>2232</b> |

The above pivot table shows the results of moving the variables in the PivotTable Field List. **'Total Previous Births of Mother'** is now selected as being the column.

Another way of changing what variables are included in the pivot table is by dragging and dropping variables into the table itself. See figure 2.1.2.

Figure 2.1.2 - Moving variables within the pivot table

| Sum of Total Births             | Total Previous Births of Mother |
|---------------------------------|---------------------------------|
| Mother's age (5 year age bands) | 0                               |
| <20                             | 946                             |
| 20-24                           | 2264                            |
| 25-29                           | 3178                            |
| 30-34                           | 2603                            |
| 35-39                           | 921                             |
| 40+                             | 203                             |
| <b>Grand Total</b>              | <b>10115</b>                    |

These variables can be dragged and dropped into the pivot table to add an extra breakdown of the data or to replace what variables are already in the table.

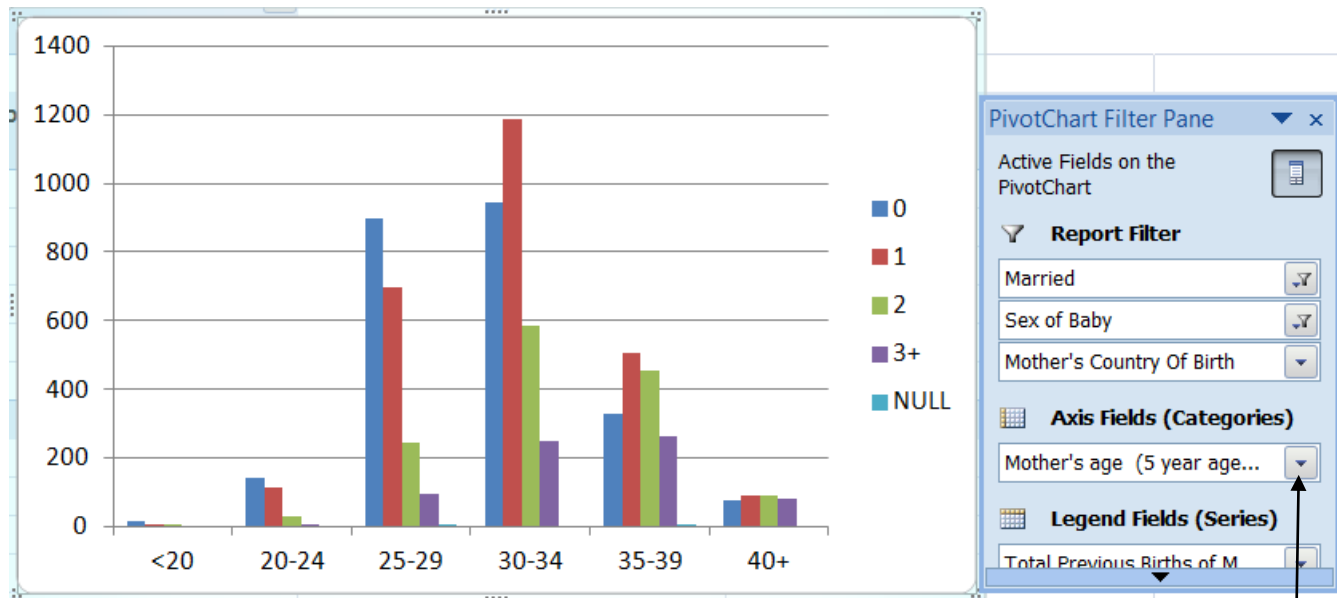
| Sum of Total Births             | Total Previous Births of Mother |
|---------------------------------|---------------------------------|
| Mother's age (5 year age bands) | 0                               |
| <20                             | 946                             |
| 20-24                           | 2264                            |
| 25-29                           | 3178                            |
| 30-34                           | 2603                            |
| 35-39                           | 921                             |
| 40+                             | 203                             |
| <b>Grand Total</b>              | <b>10115</b>                    |

By selecting the drop down arrow to the right of the variable names you can choose to include only parts of the variables. The example shows the variable '**Mother's Country of Birth**' and the options which can be included/excluded.

### 3.0 Using the Chart

A Chart is included to allow visualisation of the microdata. The Chart is linked to the pivot table however you can also use the 'PivotChart Filter Pane' to change the Chart by choosing what is and is not included in the Chart. See figure 3.0.

Figure 3.0 – PivotChart Filter Pane.



The PivotChart Filter Pane allows the variables shown in the pivot chart to be manipulated. By selecting the drop down arrow beside the variables options can be entered and taken out.