

## Accessing the Indices of Deprivation using SASPAC.

This note describes how SASPAC can be updated to access the Indices of Deprivation datasets.

### Introduction:

Indices of deprivation identify areas of multiple deprivation at the small area level. Separate indices have been constructed for each country within the United Kingdom by a method developed by the Social Disadvantage Research Centre of the University of Oxford. Each index is based on the concept of separate deprivation domains (e.g. income, employment or health) that are then combined to give an overall measure of deprivation. Once a measure deprivation is calculated, each small area is allocated a deprivation rank and score.

The definition of a small area varies across the UK therefore the Indices are available for the differing zones:

Country	Areas used	Approx. number of areas	Average pop size	Target minimum pop	Target maximum pop
England	Lower Layer Super Output Area	32,000	1,500	1,000	1,800
Wales	Lower Layer Super Output Area	2,000	1,500	1,000	1,800
N.Ireland	Super Output Area	1,000	1,900	1,300	3,000
Scotland	Data zone	6,500	7,50	500	1,000

(Source: ONS website 26/01/09)

For more details about the indices available in the UK and their similarities/differences visit:

<http://www.neighbourhood.statistics.gov.uk/dissemination/Info.do?page=aboutneighbourhood/indicesofdeprivation/indices-of-deprivation.htm>

### How is the data structured in SASPAC?

The Indices contain a number of Domains of deprivation, for example the English index has the following:

- Income deprivation
- Employment deprivation
- Health deprivation and disability
- Education, skills and training deprivation
- Barriers to housing and services
- Living environment deprivation
- Crime



**IMD.fwd** to “C:\SASPAC\FRWDATA”  
**IMD.FWK** to “C:\SASPAC\FRWORK”  
**IMDda.cpr** to “C:\SASPAC\METADATA”  
**IMDDA.KEY** to “C:\SASPAC\METADATA”  
**IMDda.ndx** to “C:\SASPAC\METADATA”  
**WSAS32.EXE** to “C:\SASPAC\” (replace the existing file)

Alternatively, if you are not running SASPAC on the C: drive, copy the files to the equivalent locations within the route of the SASPAC folder on a network or thin-client location.

### Step 2 - update the saspac.ini file:

The first task here is to locate your current saspac.ini file and add an entry for the IMD datasets. If you are running Windows XP this file can be found here:

**C:\Documents and Settings\<USER>\Application Data\SASPAC\saspac.ini**

If you are running Windows 2000, then this file should be in:

**C:\WINNT** or **C:\WINDOWS** directories.

Alternatively, in SASPAC, select the “**Help|INI file location...**” menu item and a text box will appear with the file location. This can then be copied to your clipboard and pasted into a text file and the correct **saspac.ini** located. If you cannot find this file contact your IT department, as you may not have the appropriate security access requirements. If all the above fail, please contact the SASPAC helpdesk.

Once located, and with the SASPAC application closed, open your **saspac.ini** file in a text editor (e.g. Notepad). To add the deprivation datasets browse down to the paragraph headed “[**Framework, Table & Cell metadata**]”. Directly below this line and before the line starting “**2001KS=origin...**”, the following line of text should be inserted as one single line:

**IMD=origin:"SASPAC",fwk:"IMD.fwk",fdesc:"Indices of Deprivation",year:"\*",type:"S",lookup:"IMDDA"**

The **saspac.ini** file should now look like this:

```

saspac.ini - Notepad
File Edit Format View Help

[Framework, Table & Cell Metadata]
IMD=origin: "SASPAC",fwk: "IMD.fwk",fdesc: "Indices of Deprivation",year: "*",type: "S",lookup: "IMDDA"
2001KS=origin: "SASPAC",fwk: "ks01.fwk",fdesc: "Key Statistics",year: "2001",type: "S",lookup: "KS01DA",xml: "ks:
2001UV=origin: "SASPAC",fwk: "uv01.fwk",fdesc: "Univariate Tables",year: "2001",type: "S",lookup: "UV01DA",xml:
2001ST=origin: "SASPAC",fwk: "st01.fwk",fdesc: "Standard Tables",year: "2001",type: "S",lookup: "ST01DA",xml: "s:
2001TT=origin: "SASPAC",fwk: "tt01.fwk",fdesc: "Standard Theme Tables",year: "2001",type: "S",lookup: "TT01DA",xml: "t:
  
```

Now save and close this file to complete the update procedure.

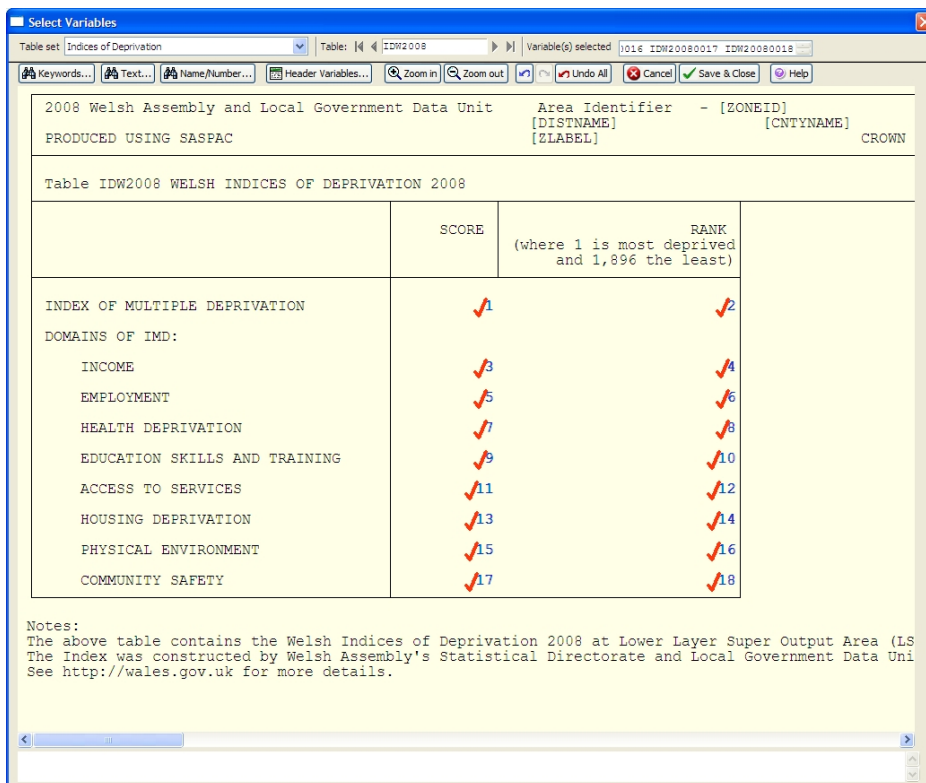
### How to access the IMD datasets?

Having updated SASPAC to include the IMD datasets it is now possible to search, query, export and publish this data like any other datasets in the software. The final task is to access the SASPAC System Files. These are at Lower Layer Super Output Area (E&W), data zones (Scotland) and Super Output Area level

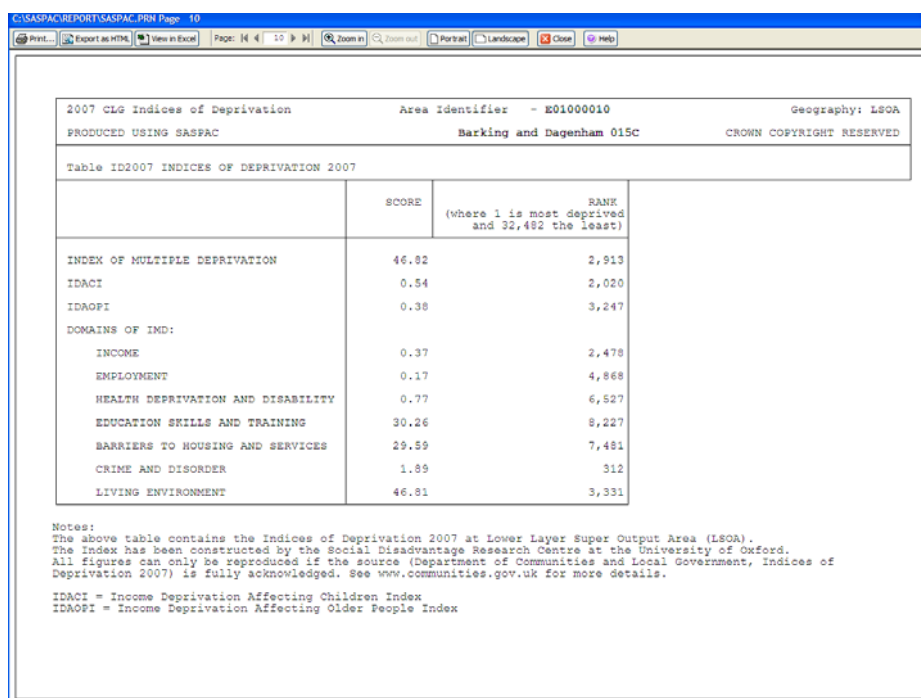
(Northern Ireland) and are stored as regional files that can be downloaded from here:

<http://www.saspac.org/IMD.html>T

When searching for data it is now possible to search and select variables (scores/ranks) from the IMD datasets:



Equally, it is possible to Print Tables of the Indices:



[NB. When selecting a Framework File during a **Print Tables** task the appropriate file ('**IMD.FWK**') is selected using the "**Browse all Frameworks Files...**" button.]

Some other task you may wish to try:

- Use the Print Variables task to output the IMD alongside a selected range of Census variables at LLSOA level
- Use SASPAC's 'SELECT IF' tool to output only the small areas that fall within the top 10% most deprived in the country. (NB. The '**Output Options**' button can be used to sort the data in ascending/descending order.)
- Export the IMD domains as a CSV file and create a thematic map in Mapshore
- Export the IMD as an XML file and publish the data in an interactive Flash web page using InstantAtlas for SASPAC