Web-based Interface to Census Interaction Data (WICID)

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Accessing flow data

– NOMIS: www.nomisweb.co.uk
– SASPAC: www.saspac.org
– WICID: https://wicid.ukdataservice.ac.uk/
Census Support: WICID Login

Standard login (public access datasets)
- Start a new session - no username or password required

Registered access for academic and most other users
- Login using Shibboleth/UK Federated Access Management

Cookies
It is necessary for your browser to accept cookies to be able to use WICID. A page at the Census Registration Service gives advice on how to configure browsers to accept cookies.
WICID Query Interface

General query interface

The general query interface allows you to flexibly construct queries to extract data, analyse it, and produce output.

Summary of current query

- **Geography**
  - Origins: 0 Nothing selected yet
  - Destinations: 0 Nothing selected yet

- **Interaction data**
  - Data items: 0 Nothing selected yet

- **Options**
  - Reset - Reset the entire query and start again
Data selection

Tables available in 2001 SMS Level 1

Cells of Table 3 in 2001 SMS Level 1
Geography selection

Area selection tools available

List selection of districts
Map Selection Tool

Status: 0 origins currently selected
[Unselect all] [Show list of selected areas]

Area selection options
- Select the area of UK Government Office Regions (1999-) clicked by the mouse
- Select elements of UK interaction data districts 2001

Panning and zooming options
- Zoom to area of UK Government Office Regions (1999-) clicked by the mouse
- and display elements of UK interaction data districts 2001
- Recentre the map at the point clicked
- Zoom in to the map at the point clicked
- Zoom out from the map at the point clicked

Other options
- Set map size options
- Set map labelling options
- Set map colour options
- Reset to original scale and view

Legend
- Unselected areas
- UK Government Office Regions (1999-)

Reference map

Current scale: 1:8,595,398
Map Selection Tool (detail)

Current query summary

| Origins | 2 UK interaction data districts 2001: (Sequence number,District name) 68,Leeds |
| Origins | UK interaction data wards 2001: (Sequence number,Ward name) 1412,Chapel Allerton |
| Destinations | 0 Nothing selected yet |
| Interaction data | 1 2001 SMS Level 3: Total migrants |

Status: 2 origins currently selected

[Unselect all][Show list of selected areas]

Area selection options
- Select the area of UK interaction data wards 2001 clicked by the mouse
- Select elements of UK Output Areas 2001 in area of UK interaction data wards 2001 clicked by the mouse

Panning and zooming options
- Zoom to area of UK interaction data wards 2001 clicked by the mouse and display elements of UK Output Areas 2001
- Recentre the map at the point clicked
- Zoom in to the map at the point clicked
- Zoom out from the map at the point clicked

Other options
- Set map size options
- Set map labelling options
- Set map colour options
- Reset to original scale and view

Legend
- Unselected areas
- UK Government Office Regions (1999-)
- UK interaction data districts 2001
- UK interaction data wards 2001

Reference map
Postcode based selection

Postcode search

Enter a postcode in the box below to search the National Statistics Postcode Directory.

Searches can be made for part postcodes, for example to find all wards in a postal district. Please note that the use of spaces is significant: entering 'LS14' would search using postcodes in the district LS14, whilst entering 'LS1 4' would search using postcodes in sector 4 of district LS1.

Enter a postcode
NW1 2
Next...

Select: UK interaction data wards 2001 areas that fully or partly overlap postcode area 'NW1 2'

- 113 / Bloomsbury / 00AGGE
- 125 / King's Cross / 00AGGS
- 126 / Regent's Park / 00AGGT
- 127 / St Pancras and Somers Town / 00AGGU
Finalise Screen

Refine and review query
This page is used to refine and review your query.

Refine options
- Intra-area flow filters

Review options
- Show a summary of your query
- Save your query

Next...
- Run your query
- Return to query start

Screen Indicating Extraction Completed

Run query
Query Complete!
Your data has now been extracted. Please choose the continue option below to select output options, or alternatively select one of the other options.

Extraction took 0.48 seconds

Options
- Continue to output pages
- WCIDP query homepage
- CIDER homepage
Example of simple query and data extracted

The Query: Extract the data on total migrant flows between the countries of the UK from Table MG1010 in 2001 SMS

The Data: Origin by destination matrix of migration flows in 2000-01
Analysis functions for use on extracted data

Statistics and analysis

Data items to analyse

The analysis tools listed below can display results for up to 5 data items at a time. You currently have 3 items

- Change selection of variables to analyse.

General Statistics

Basic statistics
- Shows minimum, maximum and mean values for all variables

Correlation statistics
- Shows correlation coefficients for all variables

Measures of distance

Distance travelled
- Calculates the distance travelled for your extracted data set

Measures of connectivity

Index of Connectivity
- Calculates an Index of Connectivity for your extracted data set

Index of Migration Inequality
- Calculates an Index of Migration Inequality for your extracted data set

Measures of impact

Index of Migration Effectiveness
- Calculates an Index of Migration Effectiveness for your extracted data set

Measures of intensity

Crude Intensity
- This facility will calculate a crude flow intensity for your entire extracted dataset, as well as origin specific
Help System opening inside a new browser window
### Destination

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<tr>
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<th>1</th>
<th>i</th>
<th>j</th>
<th>m</th>
<th>$OM^*$</th>
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### Origin

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</table>

- $f_{ii}$: Value for row $i$ and column $i$.
- $f_{ij}$: Value for row $i$ and column $j$.
- $f_{ji}$: Value for row $j$ and column $i$.
- $f_{jj}$: Value for row $j$ and column $j$.
- $f_{**}$: Value for row $IM^*$ and column $f_{**}$.
Acknowledgements

• Census data are crown copyright
• Boundary data are from Edina
• Thanks also go to NRS for their support.