

IASSIST 2002
ACCELERATING
ACCESS
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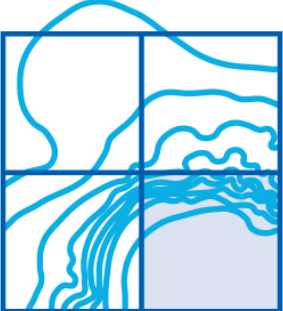
Web-based Access to Complex UK Census Data Sets

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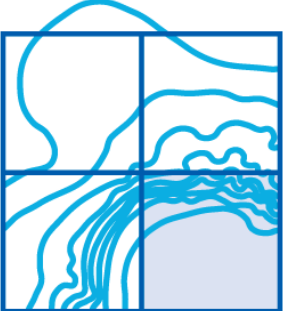
<http://www.census.ac.uk/cids>

Centre for Computational Geography



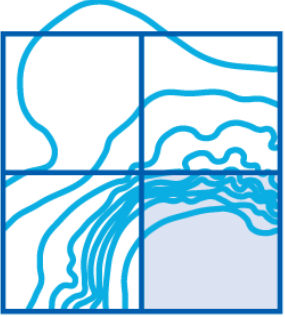
Outline

- Census Interaction Data Service
- WICID
- Examples



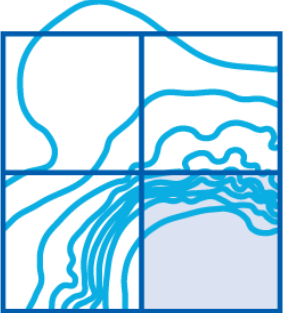
Census Interaction Data

- Data sets from recent UK Censuses
 - 1981, 1991, 2001 Censuses
 - Commuting data
 - Migration data
 - Other ‘origin-destination’ data



WICID

- Web-based Interface to Census Interaction Data
- Challenge
 - Provide a simple user interface to complex data sets



General query interface

General query interface

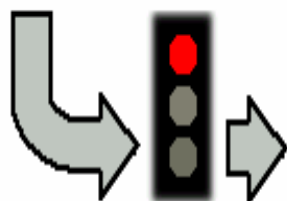
The geography and data sections below must be completed before you can proceed to produce output. The two sections can be completed in any order, and can be re-visited and changed as often as you like.

Geography

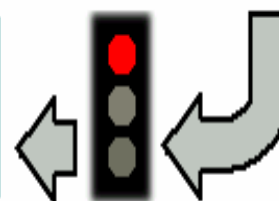
This is where you select origins and destinations, or residences and workplaces.

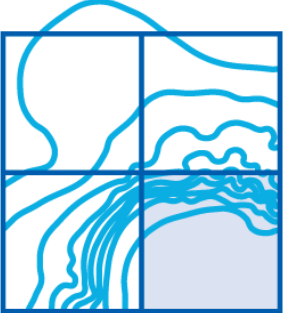
Data

This is where you select the data you want to tabulate. This includes both whole tables, and specific counts.



Output Output can be produced in various forms once the above query sections are completed



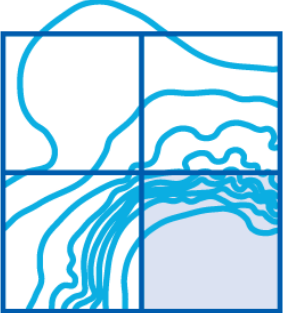


WICID: Area selection

List of areas









[[Change number of areas shown per page](#) | [Change order used to list areas](#) | [Reset list layout and order](#)]

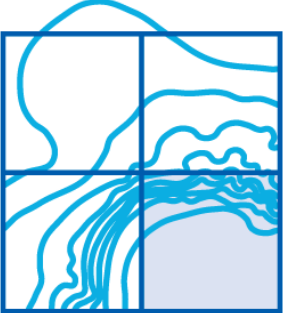
Previous page Add chosen areas Next page		
Select:		
<input type="checkbox"/> 46 / Netherlands / 650	<input type="checkbox"/> 61 / Romania / 665	<input type="checkbox"/> 76 / Caribbean / 680
<input type="checkbox"/> 47 / Federal Republic of Germany / 651	<input type="checkbox"/> 62 / Sweden / 666	<input type="checkbox"/> 77 / Central America / 681
<input type="checkbox"/> 48 / Germany (part not stated) / 652	<input type="checkbox"/> 63 / Switzerland / 667	<input type="checkbox"/> 78 / Brazil / 682
<input type="checkbox"/> 49 / Greece / 653	<input type="checkbox"/> 64 / Turkey / 668	<input type="checkbox"/> 79 / Colombia / 683
<input type="checkbox"/> 50 / Portugal / 654	<input type="checkbox"/> 65 / USSR / 669	<input type="checkbox"/> 80 / South America Remainder / 684
<input type="checkbox"/> 51 / Spain / 655	<input type="checkbox"/> 66 / Yugoslavia / 670	<input type="checkbox"/> 81 / Iran / 685
<input type="checkbox"/> 52 / Albania / 656	<input type="checkbox"/> 67 / Europe Remainder / 671	<input type="checkbox"/> 82 / Iraq / 686
<input type="checkbox"/> 53 / Austria / 657	<input type="checkbox"/> 68 / Algeria / 672	<input type="checkbox"/> 83 / Israel / 687
<input type="checkbox"/> 54 / Bulgaria / 658	<input type="checkbox"/> 69 / Egypt / 673	<input type="checkbox"/> 84 / Jordan / 688
<input type="checkbox"/> 55 / Czechoslovakia / 659	<input type="checkbox"/> 70 / Libya / 674	<input type="checkbox"/> 85 / Lebanon / 689
<input type="checkbox"/> 56 / Finland / 660	<input type="checkbox"/> 71 / Morocco / 675	<input type="checkbox"/> 86 / Saudia Arabia / 690
<input type="checkbox"/> 57 / German Democratic Republic / 661	<input type="checkbox"/> 72 / Tunisia / 676	<input type="checkbox"/> 87 / Syria / 691
<input type="checkbox"/> 58 / Hungary / 662	<input type="checkbox"/> 73 / South Africa, Republic of / 677	<input type="checkbox"/> 88 / Middle East Remainder / 692
<input type="checkbox"/> 59 / Norway / 663	<input type="checkbox"/> 74 / Africa Remainder / 678	<input type="checkbox"/> 89 / China, People's Republic of / 693
<input type="checkbox"/> 60 / Poland / 664	<input checked="" type="checkbox"/> 75 / United States of America / 679	<input type="checkbox"/> 90 / Japan / 694



WICID: Data selection I

Quick data selection

		Migration data	
Data period	Data set		Total
1990-91	 1991 SMS Set 1		Total migrants
	 1991 SMS Set 2		Total migrants
	 Sample data		Total migrants
	 1991 SMS - MIGPOP		Total migrants
	 1991 SMS - SMSGAPS		Total migrants
	 1981 SMS Set 2		Total migrants
1980-81			
		Commuting data	
Data period	Data set		Total
1991	 1991 SWS Set C		Total employees and self-employed (10%)
1981	 1981 SWS data		Total persons [Table 1]



WICID: Data selection II

All migrants: age (5 broad age groups) by sex (1991 SMS Set 2 Table 1)			
<input type="button" value="Add selected cells"/> <input type="button" value="Select all"/> <input type="button" value="Clear all"/>			
	<input type="checkbox"/> Male	<input type="checkbox"/> Female	TOTAL
<input type="checkbox"/> 1-15	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> Σ
<input type="checkbox"/> 16-29	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> Σ
<input type="checkbox"/> 30-44	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> Σ
<input type="checkbox"/> 44-Pens. age	<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> Σ
<input type="checkbox"/> Pens. age+	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> Σ
TOTAL	<input type="checkbox"/> Σ	<input type="checkbox"/> Σ	



WICID: In-line options and warnings

Additional information regarding 1991 SMS Set 2

The 1991 SMS data include counts of migrants who did not state their origin. This count is a significant proportion of total migrants for some flow cases.

You have not included migrants from unstated origins in your selection list

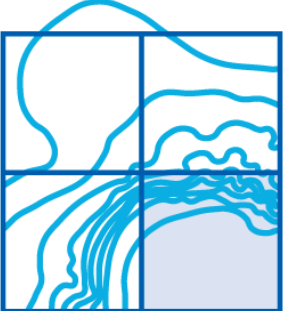
- Leave flows for migrants from unstated origins unselected
- Add flows for migrants from unstated origins

Continue..

Warning: Large amounts of output

Output will contain up to 17,901 values

Size of tabular output estimated around 140.3KB

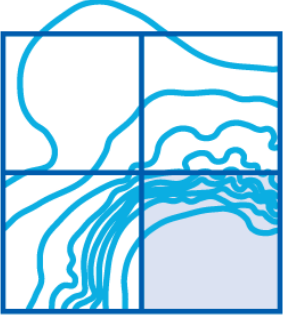


WICID: Output generation



This is the first time you have entered one of the output pages since setting or changing the geography and / or data requirements.

The data is now being extracted; this may take some time, especially if you have large numbers of origins or destinations.



WICID: Output options

Layout options

Output layout

- Origin - destination matrix
- Origin - destination pair list

Output format

- HTML table [[Advanced settings...](#)]
- Comma separated values

Preview output

General options

Origin and destination labels

Current labels to use in output [[Change](#)]

- GB Standard Regions 1991:Standard Region name
- 1991SMS Foreign origins:Country name

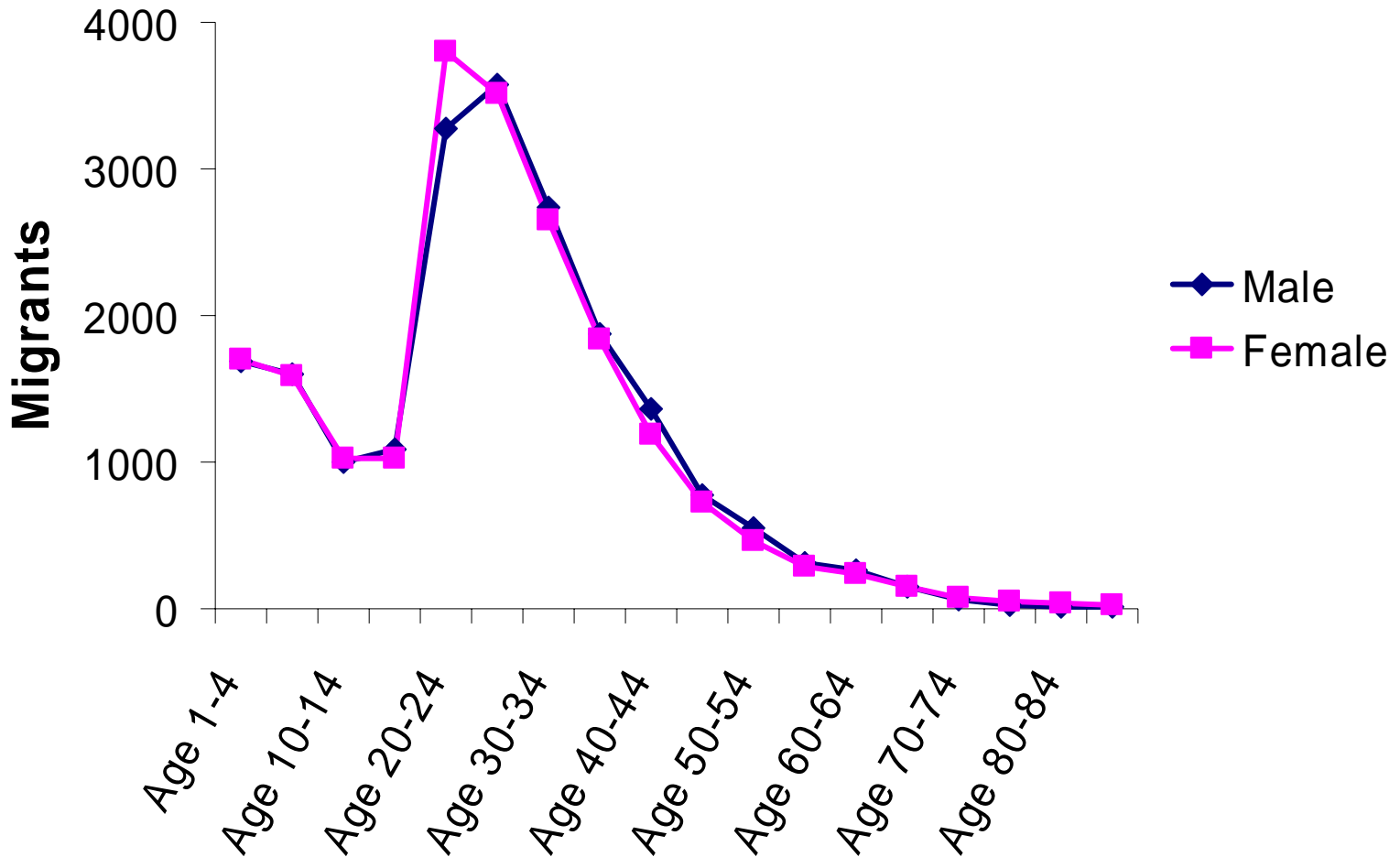


Migrants from USA to Great Britain, 1990-91; by region

Origin geography: 1991SMS Foreign origins **Destination geography:** GB Standard Regions 1991

Origins	Destinations	1991 SMS Set 2
1991 SMS Foreign origins	GB Standard Regions 1991	Total migrants
United States of America	North	598
United States of America	Yorkshire and Humberside	1396
United States of America	East Midlands	1692
United States of America	East Anglia	7990
United States of America	South East	19504
United States of America	South West	2249
United States of America	West Midlands	1164
United States of America	North West	1689
United States of America	Wales	778
United States of America	Scotland	3685

Migrants from USA to Great Britain, 1990-91; by age and sex

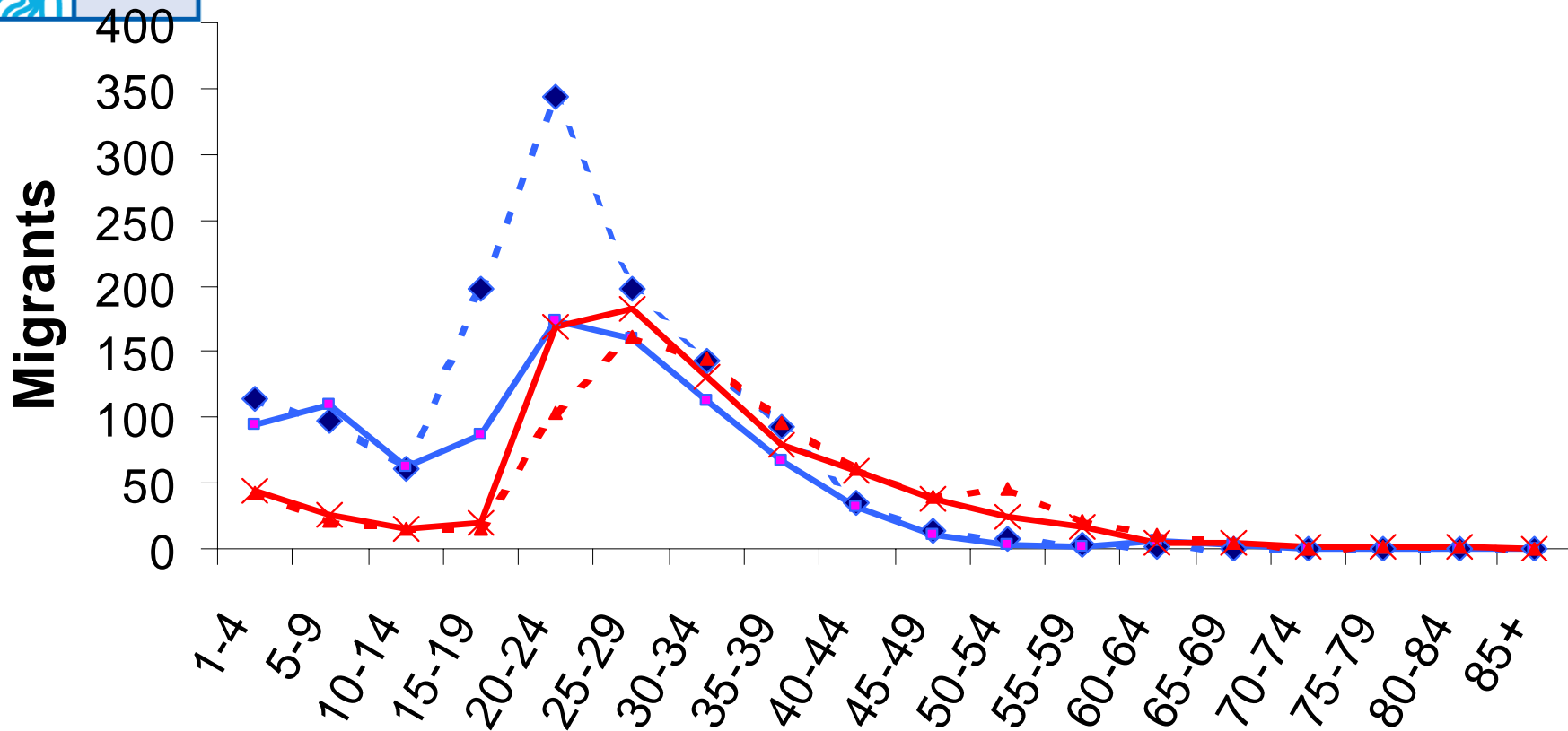
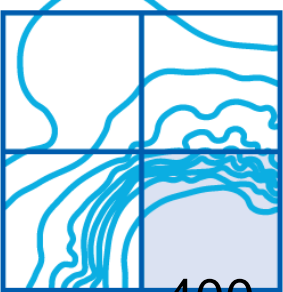




Top 10 destinations for migrants from USA, 1990-91

Destination	Migrants
Forest Heath	2227
Kensington and Chelsea	1602
Suffolk Coastal	1449
Cherwell	1282
Huntingdonshire	1261
Westminster, City of	1221
Camden	905
Breckland	786
Argyll and Bute	741
Elmbridge	651

Migrants from USA to Forest Heath and Kensington & Chelsea, 1990-91



- ◆ - Forest Heath Male
- ▲ - Kensington and Chelsea Male
- ■ - Forest Heath Female
- × - Kensington and Chelsea Female

Source: 1991 Census