

Dear Ian

The average household size figures for England and Wales to two decimal points can be calculated from another table in the Statistical Bulletin please see figure 9 in the section 'How many households there were in 2011'

Figure 9

Number of household residents² and households, 1911^{3,6}-2011

England and Wales

Year	Households (number)	Household residents (number)	Household Size
1911	8,005,290	34,606,173	4.322913099
1921	8,739,197	36,179,946	4.139962287
1931	10,233,139	38,042,464	3.717575223
1941			
1951	13,117,868	41,840,000	3.189542691
1961	14,640,897	44,542,828	3.042356489
1971	16,434,075	47,296,180	2.877933805
1981	17,706,492	47,806,003	2.699913851
1991	20,278,925	49,134,542	2.422936263
2001	21,735,475	51,107,639	2.351346803
2011	23,366,000	55,072,600	2.356954549

² Household resident estimates are sourced from 1911-2001 Census results.

³ 1911 to 1931 collected data on private families rather than households.

⁶ There was no census in 1941, due to the Second World War.

Source: Office for National Statistics

Regards
Kay Sumpner

Census Customer Services

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On 8/2/13 16:07, Census Customer Services wrote:

Dear Ian

With reference to your email below.

I have provided 1981 and 1991 figures for Local Authorities in Gloucestershire in order for you to calculate population densities.

I have also attached information relating to the 1974 Local Government re-organisation which shows how the local authorities changed between 1971 and 1981.

In order to obtain equivalent figures from the 1961 and 1971 Censuses you would have to aggregate the figures from the 'old areas' to the 'new' local authorities - a very labour intensive task (I think you would agree) and unfortunately we do not have the resources to undertake such a task. I can however provide you with the 1961 and 1971 County Reports if you wish to undertake the work yourself. Please let me know.

Please contact us again if you require any further assistance.

Regards

Penny Wilkinson

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1981 Census extraction for calculation of density. 1981 Small Area Statistics table 1 cell 44 and table 10 cell 929

Code	District name	Total persons in Households	Total Households	Household Size
24HX	CHELTENHAM	81254	32040	2.536017
24HY	COTSWOLD	65626	24873	2.638443
24HZ	FOREST OF DEAN	71013	25353	2.80097
24JA	GLOUCESTER	89073	31979	2.785359
24JB	STROUD	99762	36454	2.736654
24JC	TEWKESBURY	79833	28780	2.773905

1991 Census extraction for calculation of Density. Extracted from table 1 cell 65 'Population in Households and Table 22 cell 1 'All households'

Code	Local Authority name	Population in Households	Total number of households	Household Size
24HX	Cheltenham	100911	43752	2.306432
24HY	Cotswold	73051	30247	2.415149
24HZ	Forest of Dean	74178	28926	2.564406
24JA	Gloucester	99906	40277	2.480473
24JB	Stroud	102137	40533	2.519848
24JC	Tewkesbury	69955	27962	2.501788

Ian.Bickerton@bristol.ac.uk

21/01/2013 15:17

To: Census CustomerServices@ONS

cc:

Subject: 272/01/13/LA Access Census Data at District Level - Work on Average Household Size

Dear ONS Census Team,

Spoke to Kate last week, thanks for the advice, as discussed please find attached my Gloucestershire household size work in progress.

The project is to chart the Average Household Size at district level to contrast against the national trend for England & Wales. Average household size is calculated, as defined by the ONS [6], *total residents in households divided by total number of households, this measure excludes residents in communal establishments.*

Have accessed ONS tables for district data, references [1] & [2] for 2011 census and [4] www.neighbourhood.statistics.gov.uk at local authority level for 2001 census. Would it be possible to give me the same data for 1961, 1971, 1981 & 1991 to complete the chart and check the data accessed from 2001 & 2011 ONS tables?

Have copied the relevant sections of the ONS tables used for the chart, please see below.

Could you please give me a quote on this data access & checking work.

Best Regards

Ian Bickerton

Tel. 01242 250473

Data Sources used for the attached chart:

- (1) ONS 2011 Census: Table KS101EW: Usual resident population, local authorities in England and Wales - Living in households
- (2) ONS 2011 Census: Table KS401EW: Dwellings, household spaces and accommodation type, local authorities in England and Wales
- (3) ONS 2010 Population Projection Table 2c: 2010-based Subnational Population Projections by sex and quinary age, Local authorities and higher administrative areas within London, South East and South West
- (4) ONS 2001 Census Key Statistics - Local Authorities Table KS01, Usual resident population and www.neighbourhood.statistics.gov.uk at local authority level
- (5) DCLG Table 406: Household projections by district, England, 1991- 2033 (ONS Pop. Projection divided by DCLG 2008 Housing Projection)
- (6) Statistical Bulletin 2011 Census Population and Household Estimates for England and Wales, March 2011. Coverage: England and Wales, Office for National Statistics, published 16 July 2012

2011 CENSUS DATA

Table KS101EW

2011 Census: Usual resident population, local authorities in England and Wales

England and Wales

Constituent Countries; Regions, counties, London boroughs, unitary authorities and districts in England; unitary authorities in Wales

All usual residents

Area code Area name All categories: Sex Males Females Lives in a household Lives in a communal establishment Schoolchild or full-time student aged 4 and over at their non term-time address
Area Density

E10000013	Gloucestershire	596,984	292,586	304,398	586,018	10,966	9,279	265,325	2.3
E07000078	Cheltenham	115,732	56,512	59,220	112,148	3,584	1,695	4,661	24.8
E07000079	Cotswold	82,881	40,104	42,777	81,319	1,562	1,881	116,452	0.7
E07000080	Forest of Dean	81,961	40,272	41,689	80,040	1,921	1,061	52,651	1.6
E07000081	Gloucester	121,688	60,104	61,584	119,955	1,733	1,320	4,054	30.0
E07000082	Stroud	112,779	55,514	57,265	111,503	1,276	1,989	46,065	2.4
E07000083	Tewkesbury	81,943	40,080	41,863	81,053	890	1,333	41,442	2.0

Table KS401EW

2011 Census: Dwellings, household spaces and accommodation type, local authorities in England and Wales

England and Wales

Constituent Countries; Regions, counties, London boroughs, unitary authorities and districts in England; unitary authorities in Wales

All dwellings; All household spaces

Region code Region name LAD/UA code LAD/UA name All categories: Dwelling type Unshared dwelling Shared dwelling: Two household spaces Shared dwelling: Three or more household spaces
All categories: Household spaces Household spaces with at least one usual resident Household spaces with no usual residents Whole house or bungalow: Detached Whole house or bungalow: Semi-detached Whole house or bungalow: Terraced (including end-terrace) Flat, maisonette or apartment: Purpose-built block of flats or tenement Flat, maisonette or apartment: Part of a converted or shared house (including bed-sits) Flat, maisonette or apartment: In a commercial building Caravan or other mobile or temporary structure

E10000013	Gloucestershire	268,944	268,772	44	128	269,567	254,615	14,952	82,550	91,114	52,961	29,027	8,962	2,742	2,211
E07000078	Cheltenham	53,122	53,051	12	59	53,430	50,929	2,501	9,473	17,169	11,545	9,940	4,370	621	312
E07000079	Cotswold	39,944	39,934	5	5	39,968	36,236	3,732	14,823	12,051	8,446	2,931	863	499	355
E07000080	Forest of Dean	36,164	36,157	5	2	36,175	34,167	2,008	16,257	12,263	4,833	1,536	577	395	314
E07000081	Gloucester	52,722	52,654	16	52	52,946	50,363	2,583	10,788	20,726	11,710	7,237	1,826	424	235
E07000082	Stroud	49,935	49,921	5	9	49,983	47,794	2,189	18,222	16,234	9,521	4,237	991	497	281
E07000083	Tewkesbury	37,057	37,055	1	1	37,065	35,126	1,939	12,987	12,671	6,906	3,146	335	306	714

2001 CENSUS DATA

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276970&c=GL53+0NG&d=13&e=16&g=447482&i=1001x1003x1004&m=0&r=0&s=1357487039998&enc=1&dsFamilyId=135> gives 106,637 people in HH

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276970&c=GL53+0NG&d=13&e=16&g=447482&i=1001x1003x1004&m=0&r=0&s=1357487039998&enc=1&dsFamilyId=165> gives 48164 occupied H CHELTENHAM 2001 AHS $106637/48164 = 2.214$

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276975&c=tewkesbury&d=13&e=16&g=449143&i=1001x1003x1004&m=0&r=1&s=1357495802576&enc=1&dsFamilyId=135> gives 75,548 people in HH

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276975&c=tewkesbury&d=13&e=16&g=449143&i=1001x1003x1004&m=0&r=1&s=1357495802576&enc=1&dsFamilyId=165> gives 32,372 occupied H TEWKESBURY 2001 AHS $75548/32372 = 2.334$

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276973&c=gloucester&d=13&e=16&g=448277&i=1001x1003x1004&m=0&r=1&s=1357505675755&enc=1&dsFamilyId=135> gives 108320 people in HH

<http://www.neighbourhood.statistics.gov.uk/dissemination/LeadTableView.do?a=7&b=276973&c=gloucester&d=13&e=16&g=448277&i=1001x1003x1004&m=0&r=1&s=1357505675755&enc=1&dsFamilyId=165> gives 45,765 occupied H GLOUCESTER 2001 AHS $108320/45765 = 2.367$

ONS NATIONAL DATA

Office for National Statistics - Statistical Bulletin 2011 Census Population and Household Estimates for England and Wales, March 2011

Coverage: England and Wales

Date: 16 July 2012

Geographical Areas: Country, Local Authority and County

Theme: Population

Theme: People and Places Figure 10

Average household size, 1911 ^{1,2,3,4,6} -2011		
England and Wales		
Average residents per household		
	Year	Household size
	1911	4.3

	1921	4.1
	1931	3.7
	1941	
	1951	3.2
	1961	3.0
	1971	2.9
	1981	2.7
	1991	2.4
	2001	2.4
	2011	2.4
1 Comparison with 2001 and 1991 is based on mid-year population estimates for those years, comparison with 1981 and earlier is based on census results.		
2 Household resident estimates are sourced from 1911-2001 Census results.		
3 1911 to 1931 collected data on private families rather than households.		
4 Average household size is calculated as total residents in households divided by total number of households. This measure excludes residents in communal establishments.		
6 There was no census in 1941, due to the Second World War.		
Source: Office for National Statistics		