

2011 Census Briefing Note 14: November 2013

Produced by Environment & Enterprise



CAR AVAILABILITY 2011 CENSUS THIRD RELEASE (3.2A & 3.3)

This report will be of interest to those involved in transport, housing, planning and climate change.

The Office for National Statistics (ONS) continues to release data from the 2011 Census. This Briefing Note is once again largely sourced from the Detailed Characteristics tables, which cross-tabulate two or more topics.

This paper looks at information on Car Availability, cross tabulated with other variables, such as ethnic group, tenure and household composition, from household based tables which were released in June and August 2013, as part of the 2011 Census release 3.2a and 3.3.

The tables are:

- Tenure by car or van availability by ethnic group of Household Reference Person (DC4202EW)
- Tenure by car or van availability by religion of Household Reference Person (DC4204EW)
- Household composition by car or van availability (DC1401EW)

More general comparisons are also made with London and nationally (England), some based on the previously released Key Statistics tables.

Most of this information is also available for other geographies at sub-borough level, such as ward and Lower Super Output Area (LSOA).

Household Reference Person

The Census question on car availability was a household question, rather than being asked of all individuals within each household. In order to be able to cross-tabulate this information with other census variables the ONS link this information to one person in the household - known as the Household Representative Person (HRP).

A person living alone is the HRP. If the household contains one family then the HRP is chosen from the two people in the couple on the basis of their economic activity, in priority order of full-time job, part-time job, unemployed, retired, other. If both have the same economic activity, then the HRP is defined as the elder of the two, or if they are the same age, the first member of the couple listed on the census form. In a lone parent family the HRP is the lone parent. If there is no family the HRP is chosen from the individuals living in the household based on the same criteria.

The HRP therefore provide an individual person within the household to act as a reference point for producing further derived statistics and for characterising a whole household according to the characteristics of the chosen reference person. The concept of a HRP was introduced in the 2001 Census (in common with other government surveys at this time) to replace the traditional concept of the ‘head of the household’.

1. Car or van availability (Table 1)

Car or van availability in the 2011 Census is measured by the number of cars/vans which are owned or available for use by one or more members of a household, and it includes any company cars or vans which are available for private use.

- Car ‘ownership’ is higher in Harrow than in London and a whole and nationally
- Harrow is ranked 5th in London, based on the percentage of households with access to a car. Authorities ranked higher are: Hillingdon; Havering; Sutton and Bromley.
- 76.5 per cent of Harrow’s households had access to a car or van in 2011, compared to 74.2 per cent in London and 58.4 per cent in England
- There are nearly 6,000 (6.3%) more cars or vans owned or available to Harrow’s households since 2001
- Harrow’s rankings within London for: one car ownership is 12th; 2nd for two cars; 3rd for 3 cars; and 4th for four or more cars
- Despite an overall increase in the number of households in Harrow over the decade (+5,156), more households (19,811) do not have access to a car in 2011, compared to 2001 (17,972 households)
- In 2001, 77.3 per cent of Harrow’s households had access to a car, ranking the borough 2nd in London

Table 1: Availability of cars/vans in Harrow, London & England, 2011

Source: 2011 Census, Table KS404EW, Office for National Statistics, Crown Copyright

Area	All households	No cars or vans		1 car or van		2 cars or vans		3 cars or vans		4+ cars or vans		Total cars or vans in the area
		No.	%	No.	%	No.	%	No.	%	No.	%	
Harrow	84,268	19,811	23.5	37,013	43.9	20,993	24.9	5,012	5.9	1,439	1.7	100,326
London	3,266,173	1,357,251	41.6	1,324,032	40.5	458,659	14.0	95,619	2.9	30,612	0.9	2,664,414
England	22,063,368	5,691,251	25.8	9,301,776	42.2	5,441,593	24.7	1,203,865	5.5	424,883	1.9	25,696,833

2. Car or van availability by ethnic group of Household Reference Person (HRP) (Table 2 & Figure 1)

For the 2011 Census there are 18 individual ethnic group categories (see Table 5a). The broad ethnic group categories are: White; Mixed/multiple ethnic group; Asian/Asian British; Black/Black British; and Other ethnic group.

There are many different factors which influence levels of car ‘ownership’, such as household size, age, residential location and income.

Harrow's White British and White Irish groups, in particular, have an older age profile compared to other ethnic groups. The 2001 Census showed that there is variation in average household size by ethnic group¹, which may in part account for the difference in the levels of car ownership by ethnic group.

- There is considerable variation in overall car 'ownership' by ethnic group, ranging from a high of 84.5 per cent in Indian households, to a low of 31.3 per cent in Gypsy or Irish Traveller households²
- Looking at the broad ethnic group categories, the Asian/Asian British group has the greatest access to cars or vans, with 82.8 per cent of households. At the opposite end of the spectrum households with a HRP of mixed/multiple ethnic group have the lowest levels of car 'ownership' with 64.7 per cent of households falling within this category, or conversely 35.3 per cent not having access to a vehicle.
- On average 43.9 per cent of Harrow's households have access to one car or van. Again the ethnic group with the lowest average one car/van 'ownership' level is the Gypsy or Irish Traveller group. The groups with the highest levels of access to one car or van are the Pakistani, Bangladeshi, Other Asian, Black Caribbean and Arab groups, all with an average level of 47 per cent.
- 32.6 per cent of Harrow's households had access to two or more cars or vans in 2011. Generally levels were highest in Asian/Asian British households, where 39.2 per cent of all households have access to two or more cars. The lowest level of 2+ car 'ownership' is amongst the Black/Black British group, with just over one in five households having more than one car/van.
- Out of the 18 individual ethnic groups the Indian group has the highest levels of accessibility to two or more cars, at 42.9 per cent and the Gypsy or Irish Traveller (4.2%) and Black African (16.8%) groups have the lowest levels.

3. Car or van availability by tenure of Household Reference Person (HRP) (Tables 3a, 3b & 3c & Figure 2)

- The cross tabulations of car availability by tenure show that owner occupied households are more likely to have a car than those living in rented accommodation
- In Harrow, 86.3 per cent of owner occupied households have a car or van, slightly below England's average of 86.7 per cent, but above the London average of 77.4 per cent
- Car 'ownership' figures are even higher for those buying their property with a mortgage or loan or in a shared ownership property, compared to those who own their property outright, and age is likely to be a key factor here
- 91.8 per cent of Harrow's households who are purchasing their home have a car or van, compared to 80.2 per cent who own their property outright

¹ Comparable data on Average Household Size from the 2011 Census had not been released at the time of publication of this report

² There are low overall numbers in this group, with just 48 households, containing 181 residents in total. Small counts are particularly affected by data swapping (see 'Further Information').

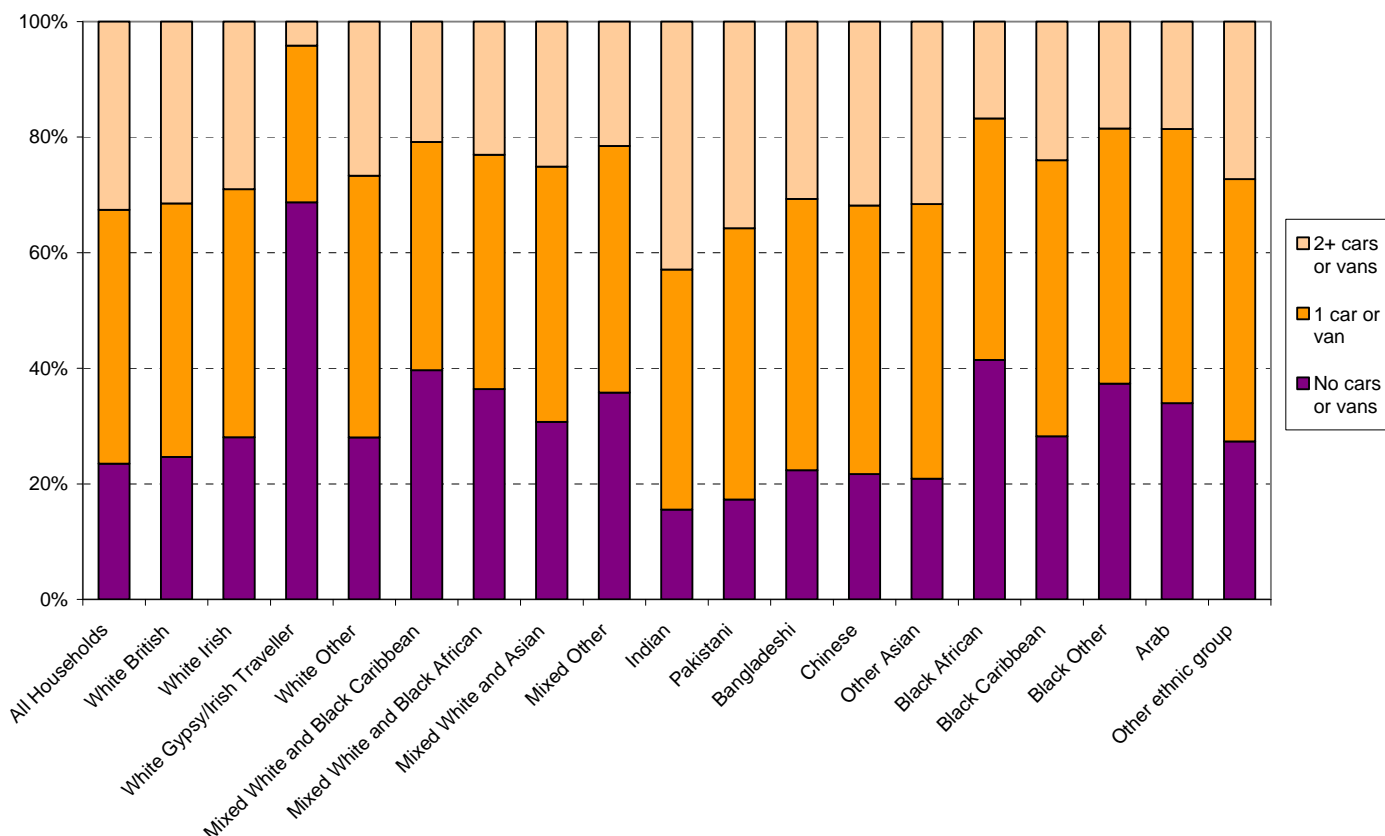
Table 2: Availability of cars/vans by ethnic group of HRP, Harrow, 2011

Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright

Ethnic Group (of HRP)	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
	Number	No.	%	No.	%	No.	%
All Households	84,268	19,811	23.5	37,013	43.9	27,444	32.6
White: Total	43,334	11,057	25.5	19,062	44.0	13,215	30.5
White: English/Welsh/Scottish/Northern Irish/British	32,982	8,134	24.7	14,471	43.9	10,377	31.5
White: Irish	3,620	1,016	28.1	1,553	42.9	1,051	29.0
White: Gypsy or Irish Traveller	48	33	68.8	13	27.1	2	4.2
White: Other White	6,684	1,874	28.0	3,025	45.3	1,785	26.7
Mixed/multiple ethnic group: Total	1,713	605	35.3	720	42.0	388	22.7
Mixed/multiple ethnic group: White and Black Caribbean	451	179	39.7	178	39.5	94	20.8
Mixed/multiple ethnic group: White and Black African	217	79	36.4	88	40.6	50	23.0
Mixed/multiple ethnic group: White and Asian	534	164	30.7	236	44.2	134	25.1
Mixed/multiple ethnic group: Other Mixed	511	183	35.8	218	42.7	110	21.5
Asian/Asian British: Total	30,815	5,311	17.2	13,429	43.6	12,075	39.2
Asian/Asian British: Indian	19,871	3,089	15.5	8,252	41.5	8,530	42.9
Asian/Asian British: Pakistani	2,118	366	17.3	995	47.0	757	35.7
Asian/Asian British: Bangladeshi	394	88	22.3	185	47.0	121	30.7
Asian/Asian British: Chinese	968	210	21.7	450	46.5	308	31.8
Asian/Asian British: Other Asian	7,464	1,558	20.9	3,547	47.5	2,359	31.6
Black/African/Caribbean/Black British: Total	6,415	2,232	34.8	2,879	44.9	1,304	20.3
Black/African/Caribbean/Black British: African	2,594	1,075	41.4	1,084	41.8	435	16.8
Black/African/Caribbean/Black British: Caribbean	2,962	836	28.2	1,416	47.8	710	24.0
Black/African/Caribbean/Black British: Other Black	859	321	37.4	379	44.1	159	18.5
Other ethnic group: Total	1,991	606	30.4	923	46.4	462	23.2
Other ethnic group: Arab	930	316	34.0	441	47.4	173	18.6
Other ethnic group: Any other ethnic group	1,061	290	27.3	482	45.4	289	27.2

Figure 1: Availability of cars/vans by ethnic group of HRP, Harrow, 2011

Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright



- In Harrow 47.8 per cent of households living in social rented accommodation have access to a car or van, above the national and London levels of 43.5 per cent and 37.1 per cent respectively
- For those living in private rented accommodation, or living rent free, car 'ownership' levels are 61.4 per cent in Harrow, again above both the England and London levels of 60.2 per cent and 42.3 per cent
- 42.1 per cent of owner occupied households in Harrow have two or more cars, just below the national level of 42.9 per cent, but above London's level of 29.2 per cent

Table 3a: Availability of cars/vans by tenure of HRP, Harrow, 2011

Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright

Tenure	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
		No.	%	No.	%	No.	%
All households	84,268	19,811	23.5	37,013	43.9	27,444	32.6
Owned or shared ownership: Total	55,822	7,621	13.7	24,674	44.2	23,527	42.1
Owned: Owned outright	26,246	5,191	19.8	11,984	45.7	9,071	34.6
Owned: Owned with a mortgage or loan or shared ownership	29,576	2,430	8.2	12,690	42.9	14,456	48.9
Social rented: Total	8,923	4,660	52.2	3,314	37.1	949	10.6
Social rented: Rented from council (Local Authority)	5,157	2,775	53.8	1,857	36.0	525	10.2
Social rented: Other social rented	3,766	1,885	50.1	1,457	38.7	424	11.3
Private rented or living rent free: Total	19,523	7,530	38.6	9,025	46.2	2,968	15.2
Private rented: Private landlord or letting agency	17,165	6,637	38.7	7,988	46.5	2,540	14.8
Private rented: Other private rented or living rent free	2,358	893	37.9	1,037	44.0	428	18.2

Table 3b: Availability of cars/vans by tenure of HRP, London, 2011

Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright

Tenure	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
		No.	%	No.	%	No.	%
All households	3,266,173	1,357,251	41.6	1,324,032	40.5	584,890	17.9
Owned or shared ownership: Total	1,618,315	365,482	22.6	780,173	48.2	472,660	29.2
Owned: Owned outright	689,898	194,049	28.1	323,586	46.9	172,263	25.0
Owned: Owned with a mortgage or loan or shared ownership	928,417	171,433	18.5	456,587	49.2	300,397	32.4
Social rented: Total	785,993	494,245	62.9	246,981	31.4	44,767	5.7
Social rented: Rented from council (Local Authority)	439,727	282,473	64.2	133,661	30.4	23,593	5.4
Social rented: Other social rented	346,266	211,772	61.2	113,320	32.7	21,174	6.1
Private rented or living rent free: Total	861,865	497,524	57.7	296,878	34.4	67,463	7.8
Private rented: Private landlord or letting agency	775,591	452,493	58.3	264,910	34.2	58,188	7.5
Private rented: Other private rented or living rent free	86,274	45,031	52.2	31,968	37.1	9,275	10.8

Table 3c: Availability of cars/vans by tenure of HRP, England, 2011

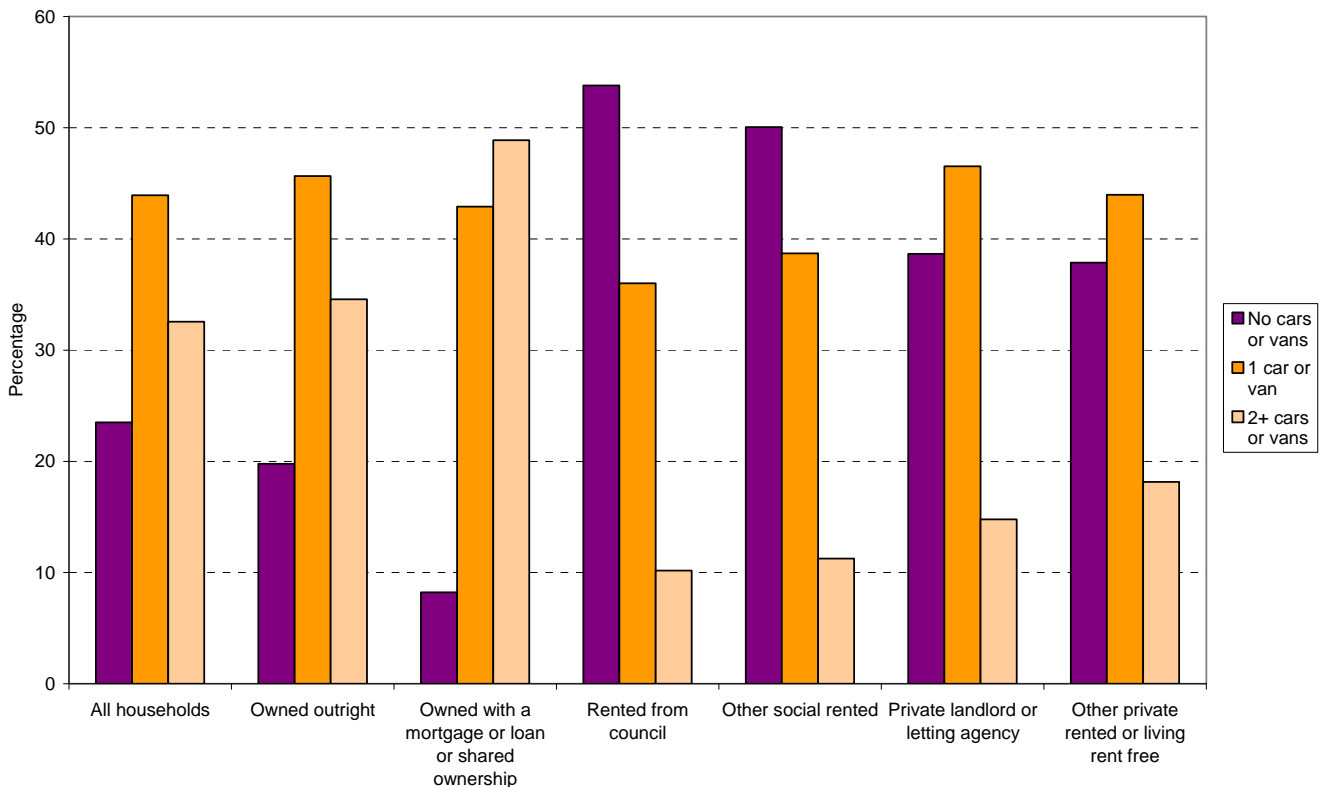
Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright

Tenure	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
		No.	%	No.	%	No.	%
All households	22,063,368	5,691,251	25.8	9,301,776	42.2	7,070,341	32.0
Owned or shared ownership: Total	14,148,784	1,888,632	13.3	6,195,228	43.8	6,064,924	42.9
Owned: Owned outright	6,745,584	1,335,255	19.8	3,226,981	47.8	2,183,348	32.4
Owned: Owned with a mortgage or loan or shared ownership	7,403,200	553,377	7.5	2,968,247	40.1	3,881,576	52.4
Social rented: Total	3,903,550	2,206,929	56.5	1,381,626	35.4	314,995	8.1
Social rented: Rented from council (Local Authority)	2,079,778	1,225,718	58.9	704,167	33.9	149,893	7.2
Social rented: Other social rented	1,823,772	981,211	53.8	677,459	37.1	165,102	9.1
Private rented or living rent free: Total	4,011,034	1,595,690	39.8	1,724,922	43.0	690,422	17.2
Private rented: Private landlord or letting agency	3,401,675	1,370,836	40.3	1,467,562	43.1	563,277	16.6
Private rented: Other private rented or living rent free	609,359	224,854	36.9	257,360	42.2	127,145	20.9

- 10.6 per cent of Harrow’s households in social rented accommodation have two or more cars, above both the national (8.1%) and London averages (5.7%)
- For the private rented tenure, or living rent free, 15.2 per cent of Harrow’s households have two or more cars, below the national level of 17.2 per cent, but above London’s 7.8 per cent average

Figure 2: Availability of cars/vans by tenure of HRP, Harrow, 2011

Source: 2011 Census, Table DC4203EW, Office for National Statistics, Crown Copyright



4. Car or van availability by religion of Household Reference Person (HRP) (Table 4 & Figure 3)

- The information on car availability by religion shows that there is some variation by religious group of the HRP
- The highest levels of car ‘ownership’ in the borough are amongst households who are Sikh (87.6%), those with other faiths³ (86%), Jewish (85.2%) and Hindu (84.4%). Both nationally and in London, households headed by people who are of Sikh and Jewish faith have the highest levels of car ownership.

³ Largely Jains in Harrow

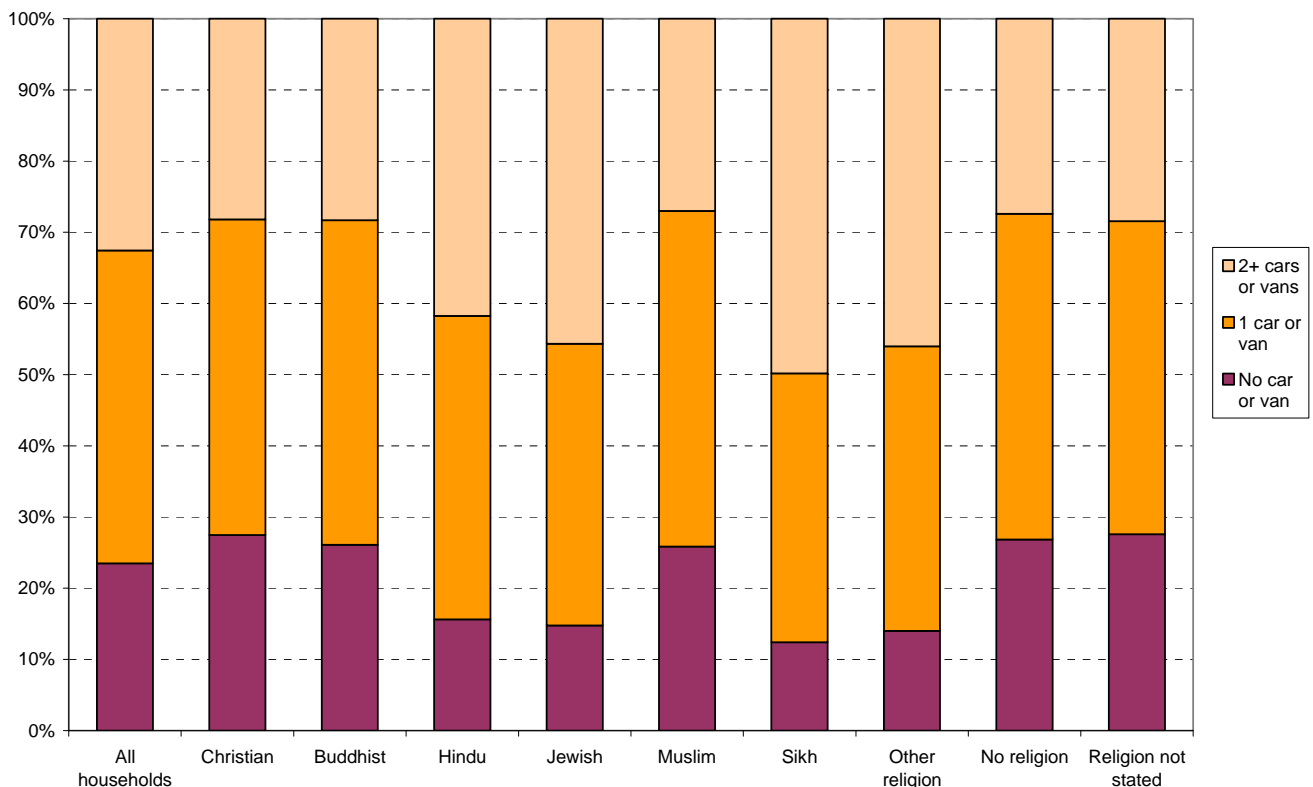
Table 4: Availability of cars/vans by religion of HRP, Harrow, 2011

Source: 2011 Census, Table DC4204EW, Office for National Statistics, Crown Copyright

Religion (of HRP)	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
		No.	%	No.	%	No.	%
All households	84,268	19,811	23.5	37,013	43.9	27,444	32.6
Christian	35,270	9,692	27.5	15,631	44.3	9,947	28.2
Buddhist	855	223	26.1	390	45.6	242	28.3
Hindu	18,134	2,836	15.6	7,727	42.6	7,571	41.8
Jewish	4,815	712	14.8	1,904	39.5	2,199	45.7
Muslim	7,878	2,036	25.8	3,716	47.2	2,126	27.0
Sikh	823	102	12.4	311	37.8	410	49.8
Other religion	2,008	281	14.0	803	40.0	924	46.0
No religion	9,156	2,458	26.8	4,189	45.8	2,509	27.4
Religion not stated	5,329	1,471	27.6	2,342	43.9	1,516	28.4

Figure 3: Availability of cars/vans by religion of HRP, Harrow, 2011

Source: 2011 Census, Table DC4204EW, Office for National Statistics, Crown Copyright



- Buddhists have the lowest levels of car ‘ownership’ nationally and in London, at 64.7 per cent and 51.4 per cent respectively. In Harrow 73.9 per cent of households headed by Buddhists had access to a car or van, slightly above the level of Christians, those with no religion and those who did not state their religion. Harrow’s Sikh and Buddhist communities are relatively small, compared to the other main religious groups in the borough.

- 49.8 per cent of the borough's Sikh headed households had two or more cars, the highest level of any religious group. Residents of other religious groups and Jewish faith had the next highest levels, at 46 per cent and 45.7 per cent respectively. Nationally and in London Sikhs have the highest levels of car 'ownership' for two or more cars, with levels at 82.2 per cent and 78.9 per cent respectively. Households headed by residents of Jewish faith had the second highest levels of car ownership for two plus cars, at 77.6 per cent in England and 73.8 per cent nationally.

5. Car or van availability by household composition (Table 5 & Figure 4)

Table 5: Household composition by availability of cars/vans, Harrow, 2011

Source: 2011 Census, Table DC1401EW, Office for National Statistics, Crown Copyright

Household Composition	All households	No cars or vans in household		1 car or van in household		2 or more cars or vans in household	
All households	84,268	19,811	23.5	37,013	43.9	27,444	32.6
One person household: Total	19,008	9,148	48.1	9,161	48.2	699	3.7
Aged 65 and over	8,985	5,137	57.2	3,653	40.7	195	2.2
Other	10,023	4,011	40.0	5,508	55.0	504	5.0
One family only: Total	52,399	8,102	15.5	23,223	44.3	21,074	40.2
All aged 65 and over	5,817	975	16.8	3,278	56.4	1,564	26.9
Married or same-sex civil partnership couple: Total	33,338	2,874	8.6	13,663	41.0	16,801	50.4
No children	8,150	992	12.2	3,843	47.2	3,315	40.7
Dependent children	17,797	1,521	8.5	7,940	44.6	8,336	46.8
All children non-dependent	7,391	361	4.9	1,880	25.4	5,150	69.7
Cohabiting couple: Total	3,950	823	20.8	1,863	47.2	1,264	32.0
No children	2,191	534	24.4	1,059	48.3	598	27.3
Dependent children	1,472	259	17.6	720	48.9	493	33.5
All children non-dependent	287	30	10.5	84	29.3	173	60.3
Lone parent: Total	9,294	3,430	36.9	4,419	47.5	1,445	15.5
Dependent children	5,560	2,432	43.7	2,696	48.5	432	7.8
All children non-dependent	3,734	998	26.7	1,723	46.1	1,013	27.1
Other household types: Total	12,861	2,561	19.9	4,629	36.0	5,671	44.1
With dependent children	5,831	764	13.1	2,113	36.2	2,954	50.7
All full-time students	255	167	65.5	67	26.3	21	8.2
All aged 65 and over	281	108	38.4	131	46.6	42	14.9
Other	6,494	1,522	23.4	2,318	35.7	2,654	40.9

There are 21 categories of household composition including main categories and sub-categories. Main household composition categories are: one person households; one family households; and other types. Analysis of car availability by these three main household categories shows:

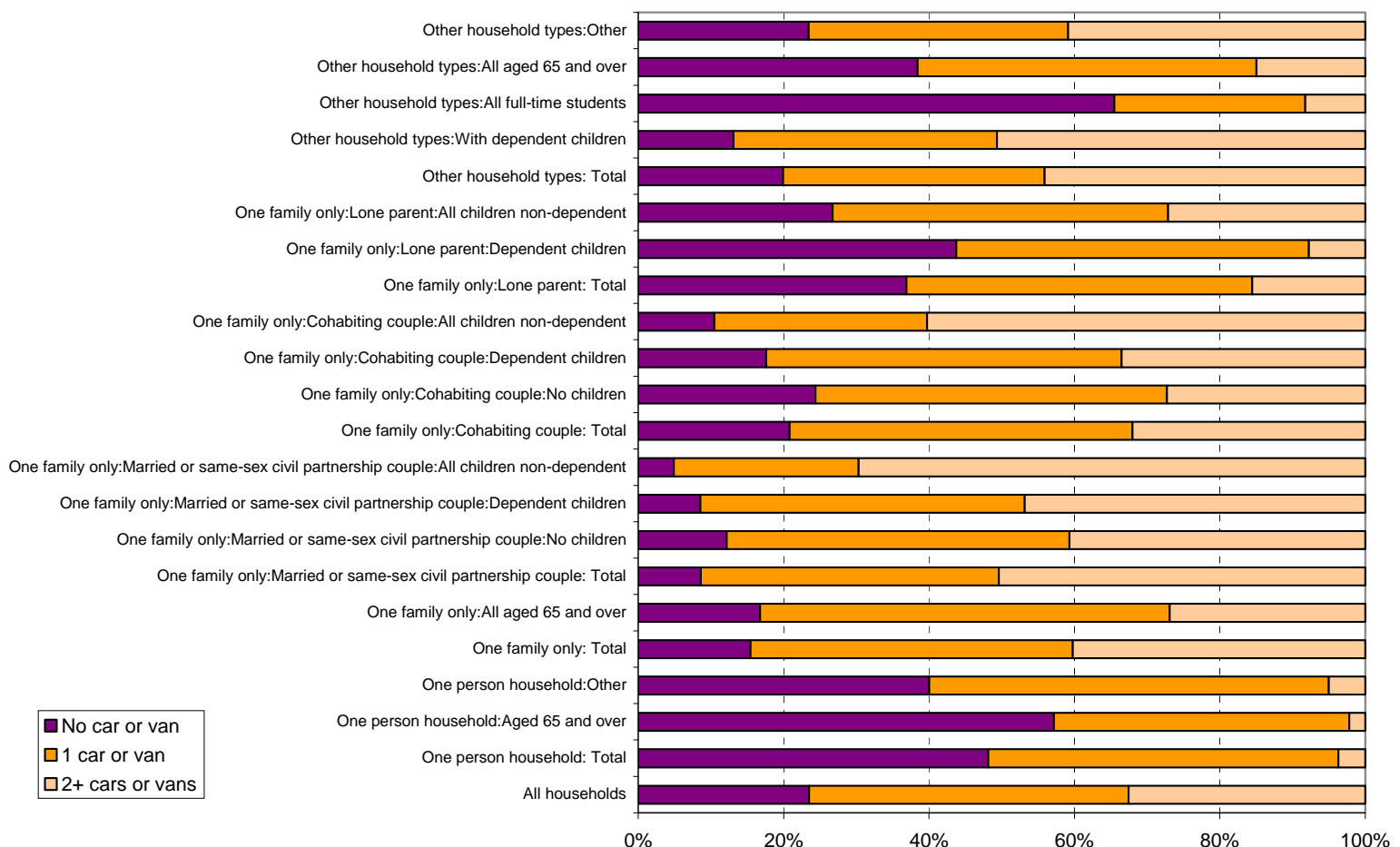
- Lowest levels of car 'ownership' in the borough amongst one person households, at 51.9 per cent, and highest levels of car availability amongst one family households (84.5%). Other household types collectively had an overall car 'ownership' level of 80.1 per cent.
- Amongst the individual household categories Harrow's highest level of car 'ownership' is 95.1 per cent. This is for one family households formed of a married couple with children, who are all non-dependent⁴. Nationally, and for London as a whole, car 'ownership' levels are highest amongst this household group, at 94.5 per cent and 88.9 per cent respectively.

⁴ Dependent children in household: A dependent child is a person aged 0-15 in a household (whether or not in a family) or aged 16-18 in full-time education and living in a family with his or her parent(s) or grandparent(s). It does not include any children who have a spouse, partner or child living in the household.

- Student households have the lowest level of car ‘ownership’ in the borough. Of the 255 all student households recorded in the 2011 Census just over one third (34.5%) have access to a car or van. This follows the London trend, where only 24.3 per cent of student households have a car or van.
- The household group with the second lowest level of car ‘ownership’ is single person households where the resident is aged 65 and over. 42.2 per cent of residents falling within this category do not have the use of a car or van. This is the lowest category nationally for car ‘ownership’, at 41.6 per cent.
- For households with two or more cars the highest ranked household category is again the one family households formed of a married couple with children, who are all non-dependent. 69.7 per cent of such households have two or more cars/vans. Single person households (aged 65+) have the lowest level of two plus car ‘ownership’ at just 2.2 per cent of all households of this type.

Figure 4: Household composition by availability of cars/vans, Harrow, 2011

Source: 2011 Census, Table DC1401EW, Office for National Statistics, Crown Copyright



Further Information

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Note: In order to protect against disclosure of personal information, The Office for National Statistics has swapped some records between different geographic areas. Some counts will be affected, particularly small counts at the lowest geographies.

Data for England & Wales and all the constituent local authorities can be found on the Office for National Statistics NOMIS website at: <http://www.nomisweb.co.uk/> or the ONS 2011 Census website: <http://www.ons.gov.uk/ons/guide-method/census/2011/index.html>

London-wide data and reports can be found on the GLA's Datastore at:
<http://data.london.gov.uk/census>

See also Harrow's Local Information System (HA Info: Harrow Informed) for summary Census information at: <https://harrowinformed.harrow.gov.uk/> under Profiles & Maps and Tables view

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