

SDR 120/2011(R)

20 March 2012

Household Projections for National Parks, 2008-based - Revised

This statistical release presents revised results of the 2008-based household projections which have been produced for the Brecon Beacons, Pembrokeshire Coast and Snowdonia National Parks in Wales. This release includes revised projections results for years 2008 to 2033 for Brecon Beacons National Park only. The household projections for Pembrokeshire Coast and Snowdonia National Parks are not affected. This follows the publication of the original 2008-based household projection results for National Parks in Wales on 19 July 2011.

Household projections provide estimates of future household numbers. The assumptions are generally based on past trends. These projections do not make allowances for the effects of local or central government policies on future population or household levels, distribution and change. Household projections are used by local and strategic planners for housing planning purposes, including in National Park Local Development Plans (LDPs).

The household projection for Brecon Beacons National Park has been revised due to an error in the data used to project household membership rates. Data for a small area outside the National Park area had been included in this data. Projected total private household population is not affected, but there are limited revisions to projected households by type and total household numbers for Brecon Beacons National Park, and to projected average household size for the same area. Further information can be found in the 'Quality Information' section at the end of the release.

The quality information section at the end of this release provides further information on the methodology used to produce these household projections.

Key Results

Total Households

- Household numbers in National Park Authority areas in Wales are projected to increase by between 13 and 16 per cent between 2008 and 2033, compared to a 25 per cent increase for Wales as a whole.

Private Household Population

- Private household populations in National Park Authority areas in Wales are projected to increase by 2023 but start to decrease after that in Brecon Beacons and Pembrokeshire Coast National Parks. By comparison, the private household population for Wales as a whole is projected to continue to increase, growing by 11 per cent by 2033.

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Key Results (contd.)

Households by Type

- One person households are projected to become the most common household type in all National Parks in Wales by 2023.
- Together 1 and 2 person households without children are projected to make up three quarters of all households in all National Parks in Wales by 2023.
- Average household size for National Parks areas in Wales is projected to be lower than for Wales as a whole, and to decrease below 2 persons per household by 2023.

More detailed information is also available on StatsWales:

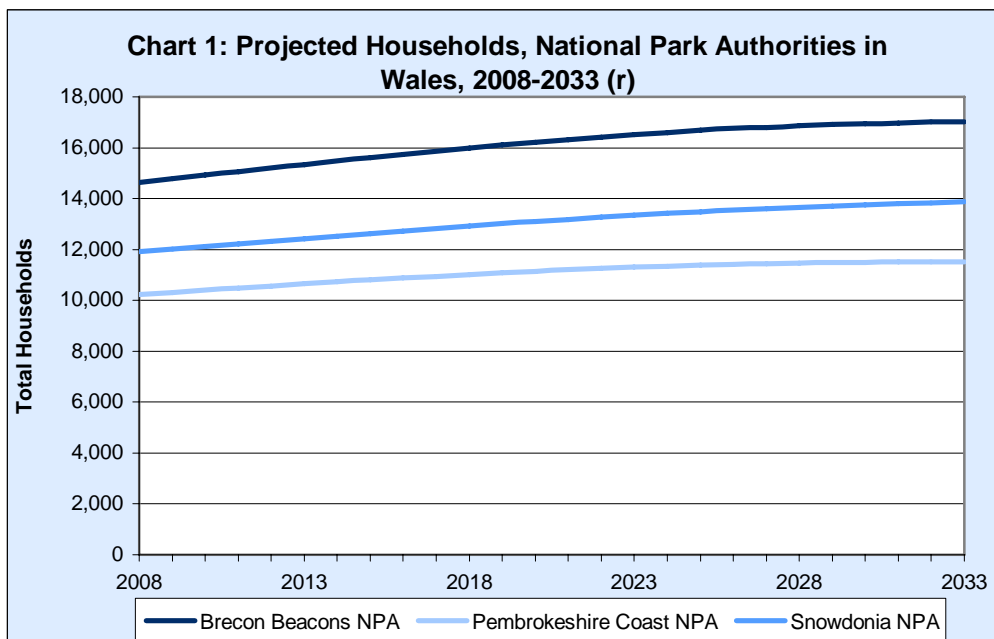
www.statswales.wales.gov.uk

Total Households

Table 1: Projected households for National Park Authorities in Wales, 2008-2033

	<i>thousands and per cent</i>						
	2008	2013	2018	2023	2028	2033	Percentage change, 2008 to 2033
Brecon Beacons NPA (r)	14.6	15.3	16.0	16.5	16.9	17.0	16
Pembrokeshire Coast NPA	10.2	10.6	11.0	11.3	11.5	11.5	13
Snowdonia NPA	11.9	12.4	12.9	13.3	13.7	13.9	16

(r) Revised figures.



(r) Revised figures.

Household numbers in National Park Authority areas are projected to increase by between 13 and 16 per cent between 2008 and 2033. By comparison, household numbers across Wales as a whole are projected to increase by 25 per cent over the same period.

For Brecon Beacons National Park, overall household numbers are projected to increase by 2,400 or 16 per cent to around 17,000 by 2033.

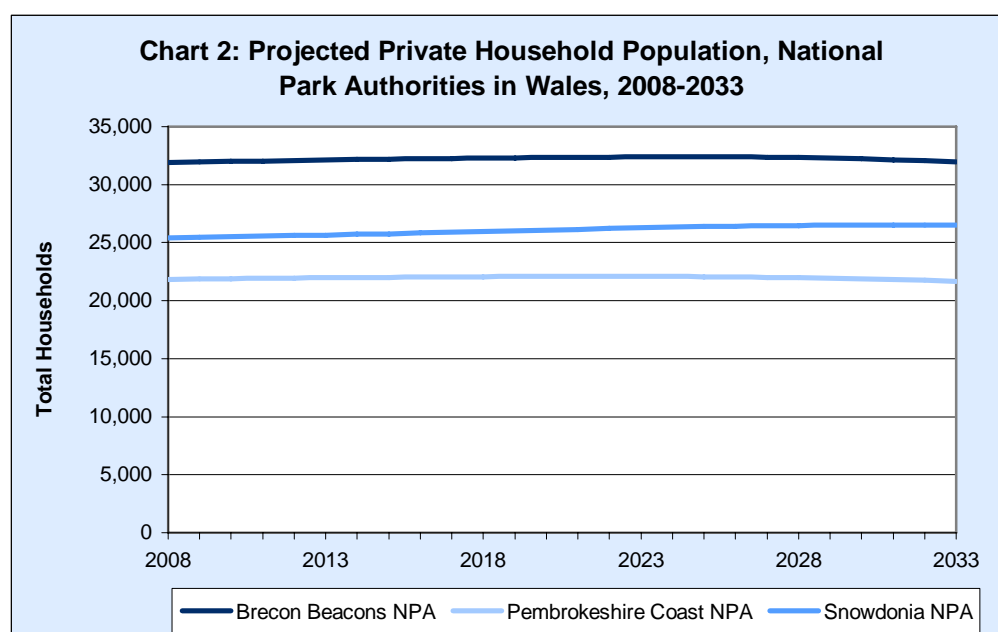
Household numbers in Pembrokeshire Coast National Park are projected to grow by around 1,300 or 13 per cent to 11,500 by 2028, before starting to level off between 2028 and 2033.

For Snowdonia National Park, household numbers are projected to increase throughout the projection period from 11,900 in 2008 to around 13,900 in 2033, an increase of 16 per cent.

Private Household Population

Table 2: Projected private household population for National Park Authorities in Wales, 2008-2033

	<i>thousands and per cent</i>						
	2008	2013	2018	2023	2028	2033	Percentage change, 2008 to 2033
Brecon Beacons NPA	31.9	32.1	32.3	32.4	32.3	32.0	0
Pembrokeshire Coast NPA	21.8	22.0	22.1	22.1	22.0	21.7	-1
Snowdonia NPA	25.4	25.7	25.9	26.3	26.5	26.5	4



Private household populations in National Park Authority areas in Wales are projected to increase by 2023 but start to decrease after that in Brecon Beacons and Pembrokeshire Coast National Parks.

By comparison, the private household population for Wales as a whole is projected to continue to increase, growing by 11 per cent by 2033. This may be due to relatively higher levels of migration to parts of Wales outside National Park areas.

The private household population in Brecon Beacons National Park is expected to increase slightly by 2023 before decreasing to around 32,000 by 2033.

The private household population for Pembrokeshire Coast National Park is expected to increase to around 22,100 by 2018 and decrease after 2023, resulting in an overall decrease of around 1 per cent between 2008 and 2033.

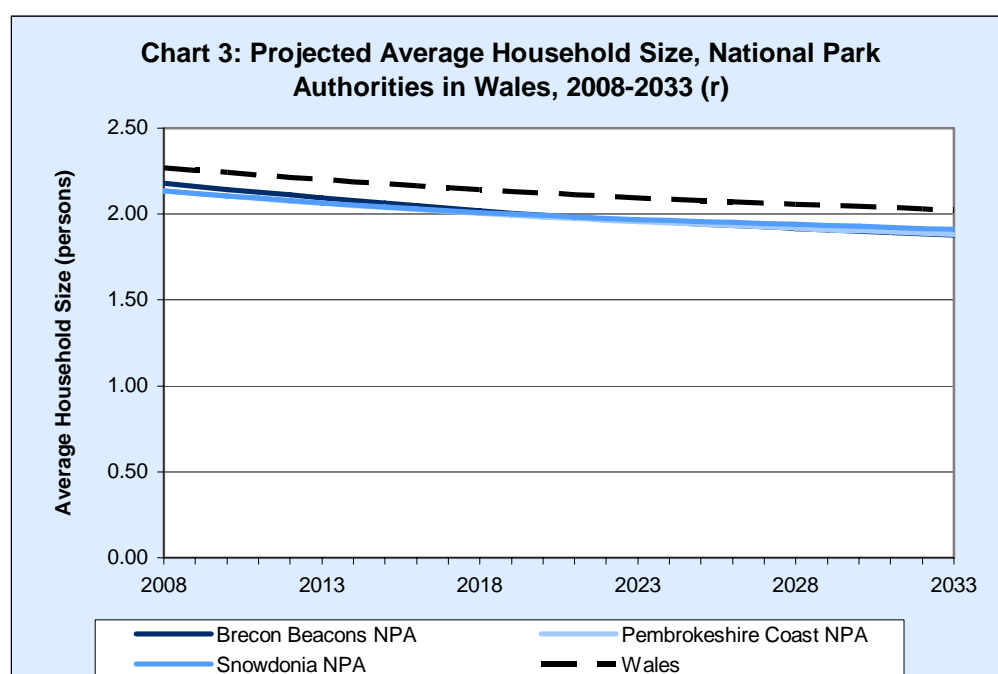
For Snowdonia National Park the private household population is projected to increase by around 1,000 or 4 per cent to 26,500 by 2033.

Average Household Size

Table 3: Projected average household size for National Park Authorities in Wales, 2008-2033

	<i>persons per household</i>					
	2008	2013	2018	2023	2028	2033
Brecon Beacons NPA (r)	2.18	2.09	2.02	1.96	1.92	1.88
Pembrokeshire Coast NPA	2.13	2.06	2.00	1.96	1.92	1.88
Snowdonia NPA	2.13	2.07	2.01	1.97	1.94	1.91
Wales	2.27	2.20	2.14	2.10	2.06	2.02

(r) Revised figures.



Average household size is a headline indicator of household growth which can be used to compare trends in different geographical areas. It reflects the relative numbers of households of different sizes (size is determined by numbers of people rather than living arrangements).

As Table 3 and Chart 3 show average household size for Wales is projected to decrease between 2008 and 2033. For each National Park area average household size is expected to follow a similar trend, decreasing overall.

As tables 4, 5 and 6 indicate though, numbers of 1 and 2 person households without children are projected to make up three quarters of all households in National Park areas in Wales by 2033. For Wales as a whole the proportion is expected to be around two thirds.

Average household size for National Parks areas in Wales is projected to be lower than for Wales as a whole, and to decrease below 2 persons per household by 2023 as a result.

Projected Households by Type – Brecon Beacons National Park

Table 4: Projected households by type, Brecon Beacons NPA, 2008-2033 (r)

	<i>thousands and per cent</i>						
	2008	2013	2018	2023	2028	2033	Percentage change, 2008 to 2033
1 person	4.7	5.2	5.8	6.3	6.9	7.3	55
2 person (no children)	5.3	5.7	6.0	6.2	6.1	6.0	13
2 person (1 adult, 1 child)	0.4	0.5	0.5	0.6	0.6	0.6	40
3 person (no children)	0.8	0.8	0.7	0.6	0.6	0.5	-37
3 person (2 adults, 1 child)	0.9	0.9	0.9	0.9	0.9	0.8	-10
3 person (1 adult, 2 children)	0.3	0.3	0.3	0.3	0.3	0.3	28
4 person (no children)	0.2	0.2	0.2	0.1	0.1	0.1	-45
4 person (2+ adults, 1+ children)	1.2	1.1	1.0	0.9	0.8	0.8	-36
4 person (1 adult, 3 children)	0.1	0.1	0.1	0.1	0.1	0.1	26
5+ person (no children)	-	-	-	-	-	-	-
5+ person (2+ adults, 1+ children)	0.7	0.6	0.5	0.5	0.5	0.4	-34
5+ person (1 adult, 4+ children)	-	-	-	-	-	-	-
All Household Types	14.6	15.3	16.0	16.5	16.9	17.0	16

(r) Revised figures.

Table 4 shows that for Brecon Beacons National Park:

- 1 person households are projected to become the most common household type by 2023.
- Together households containing 1 and 2 persons without children are expected to make up three quarters of all households by 2023.
- Single parent household types are projected to show relatively large percentage increases with overall numbers increasing from around 800 in 2008 to 1,100 by 2033. Single parent households are expected to make up 6 per cent of households by 2033 compared to 5 per cent of all households in 2008.
- Households containing 3 or more persons without children are projected to show large percentage decreases by 2033, and to decrease in number from around 1,000 in 2008 to 600 by 2033.

Projected Households by Type – Pembrokeshire Coast National Park

Table 5: Projected households by type, Pembrokeshire Coast NPA, 2008-2033

	<i>thousands and per cent</i>						
	2008	2013	2018	2023	2028	2033	Percentage change, 2008 to 2033
1 person	3.3	3.7	4.0	4.4	4.6	4.9	45
2 person (no children)	3.8	4.0	4.1	4.1	4.1	4.0	6
2 person (1 adult, 1 child)	0.4	0.4	0.4	0.5	0.5	0.5	46
3 person (no children)	0.6	0.6	0.5	0.5	0.4	0.4	-33
3 person (2 adults, 1 child)	0.5	0.5	0.5	0.5	0.5	0.5	-14
3 person (1 adult, 2 children)	0.2	0.3	0.3	0.3	0.3	0.3	47
4 person (no children)	0.1	0.1	0.1	0.1	0.0	0.0	-59
4 person (2+ adults, 1+ children)	0.7	0.6	0.6	0.5	0.5	0.4	-39
4 person (1 adult, 3 children)	0.1	0.1	0.1	0.1	0.1	0.1	49
5+ person (no children)	-	-	-	-	-	-	-
5+ person (2+ adults, 1+ children)	0.4	0.4	0.3	0.3	0.3	0.2	-41
5+ person (1 adult, 4+ children)	-	-	-	-	-	-	-
All Household Types	10.2	10.6	11.0	11.3	11.5	11.5	13

Table 5 shows that for Pembrokeshire Coast National Park:

- 1 person households are projected to become the most common household type by 2023.
- Together households containing 1 and 2 person with no children are expected to make up three quarters of all households by 2023.
- Single parent household types are projected to show relatively large percentage increases, with overall numbers increasing from around 700 in 2008 to 1,000 by 2033, to form 9 per cent of households in 2033 compared to 7 per cent in 2008.
- Households containing 4 or 5 persons including 2 or more adults plus children are projected to decrease by around 40 per cent by 2033.
- Households containing 3 or more adults and no children are projected to decrease in number during the projection period from 700 in 2008 to fewer than 500 in 2033.

Projected Households by Type – Snowdonia National Park

Table 6: Projected households by type, Snowdonia NPA, 2008-2033

	<i>thousands and per cent</i>						
	2008	2013	2018	2023	2028	2033	Percentage change, 2008 to 2033
1 person	4.1	4.5	4.9	5.2	5.5	5.8	41
2 person (no children)	4.2	4.5	4.6	4.7	4.7	4.7	10
2 person (1 adult, 1 child)	0.3	0.4	0.4	0.5	0.5	0.6	77
3 person (no children)	0.7	0.7	0.7	0.6	0.6	0.5	-24
3 person (2 adults, 1 child)	0.6	0.7	0.7	0.7	0.7	0.7	7
3 person (1 adult, 2 children)	0.2	0.2	0.2	0.3	0.3	0.3	57
4 person (no children)	0.2	0.2	0.2	0.2	0.2	0.2	-23
4 person (2+ adults, 1+ children)	0.8	0.8	0.7	0.7	0.7	0.6	-23
4 person (1 adult, 3 children)	0.1	0.1	0.1	0.1	0.1	0.1	50
5+ person (no children)	-	-	-	-	-	-	-
5+ person (2+ adults, 1+ children)	0.5	0.4	0.4	0.4	0.3	0.3	-41
5+ person (1 adult, 4+ children)	-	-	-	-	-	-	-
All Household Types	11.9	12.4	12.9	13.3	13.7	13.9	16

Table 6 shows that for Snowdonia National Park:

- 1 person households are projected to become the most common household type from 2018 onwards.
- Together 1 and 2 person households without children are expected to make up three quarters of all households by 2033.
- Single parent household types are projected to show relatively large percentage increases, with overall numbers increasing from around 600 in 2008, to 1,000 by 2033. As a proportion, single parent households are expected to form 8 per cent of households by 2033 compared to 5 per cent in 2008.
- Households containing 3 or more adults and no children are projected to decrease during the projection period from 1,000 in 2008 to 700 in 2033, a decrease of 24 per cent.
- Households containing 5 or more persons including 2 or more adults plus children are projected to show the largest percentage decrease, falling by 41 per cent to around 300 households by 2033.

Comparison with 2006-based Household Projections for National Park Areas

The Welsh Government published 2006-based household projections for the National Parks in Wales on 28 July 2010. This section compares the results of the 2006-based and 2008-based household projections for National Parks.

Table 7: Projected Household numbers under 2008-based and 2006-based Household Projections for National Parks in Wales

	Households (thousands)				
	2008	2013	2018	2023	2028
2008-based National Parks Projections					
Brecon Beacons NPA (r)	14.6	15.3	16.0	16.5	16.9
Pembrokeshire Coast NPA	10.2	10.6	11.0	11.3	11.5
Snowdonia NPA	11.9	12.4	12.9	13.3	13.7
Total National Park Authorities	36.8	38.4	39.9	41.2	42.0
2006-based National Parks Projections					
Brecon Beacons NPA (a)	14.8	15.5	16.0	16.4	16.5
Pembrokeshire Coast NPA	10.2	10.4	10.5	10.4	10.2
Snowdonia NPA	11.9	12.3	12.6	12.7	12.7
Total National Park Authorities	37.0	38.2	39.1	39.5	39.4

(a) 2006-based household projection figures for Brecon Beacons National Park have not been revised.
(r) Revised figures.

Table 8: Percentage Increase in Household numbers under 2008-based and 2006-based Household Projections for National Parks in Wales

	Projected Percentage Increase			
	2008-2013	2008-2018	2008-2023	2008-2028
2008-based National Parks Projections				
Brecon Beacons NPA (r)	5	9	13	15
Pembrokeshire Coast NPA	4	8	10	12
Snowdonia NPA	4	8	12	15
Total National Park Authorities	4	9	12	14
2006-based National Parks Projections				
Brecon Beacons NPA (a)	5	8	10	11
Pembrokeshire Coast NPA	2	2	2	0
Snowdonia NPA	3	6	7	7
Total National Park Authorities	3	6	7	7

(a) 2006-based household projection figures for Brecon Beacons National Park have not been revised.
(r) Revised figures.

Table 7 shows that under the 2008-based projections overall numbers of households in National Park areas are projected to be higher than under the 2006-based projections. The differences range from around 300 or 2 per cent more households for Brecon Beacons by 2028 to around a thousand more households for Snowdonia (8 per cent more) and Pembrokeshire Coast (12 per cent more).

Table 8 shows that percentage increases range between 12 and 15 percent under the 2008-based projections compared to between 0 and 11 per cent under the 2006-based projections.

The higher projected numbers of households in each case are to some extent due to differences in the population projections on which the household projections are based. Detailed analysis of the 2006-based and 2008-based population projections for National Parks areas in Wales has shown that natural change is expected to be higher under the 2008-based set due to lower projected numbers of deaths and higher projected numbers of births. For Brecon Beacons the resulting level of growth in the 2008-based projections is offset by lower assumed migration than in the 2006-based projection, whereas for Pembrokeshire Coast and Snowdonia higher growth is due partly to higher assumed migration.

Quality Information

Data Source

Household projections provide estimates of future number of households, and are based on assumptions about future population growth and household composition and size. The assumptions are based on past trends and the projections only indicate what may happen, should recent trends continue. Projections done in this way do not make allowances for the effects of local or central government policies or socio-economic factors on household formation rates or future population levels.

Household projections are based on population projections which are themselves based on assumptions about future births, deaths and migration. As a result they provide an indication of future demand for household spaces as a result of population growth. Further information on the 2008-based National Park Population Projections on which these household projections are based is available at: <http://wales.gov.uk/topics/statistics/theme/population/pop-project/parks/?lang=en>

Definitions

The projected numbers of households and average household size are for 30 June each year.

Base Population

The 2008-based population projections for National Parks have been used as the base population for these household projections. These in turn are based on mid-year population estimates for 2008 which were revised on 13th May 2010.

Household

A household comprises one person living alone, or a group of people (not necessarily related) living at the same address with common housekeeping - that is, sharing either a living room or sitting room or at least one meal a day. A household is not the same as a house or dwelling. The definition of a dwelling is given below.

Dwelling

A dwelling can consist of one household space (an unshared dwelling) or two or more household spaces (a shared dwelling). As a result, a house may contain more than one household.

Methodology

These projections are based on the 2008-based Population Projections for National Parks in Wales. The methodology used is the same as that for the 2008-based Household Projections for Local Authority areas in Wales. This methodology has been developed in conjunction with the Wales Sub-national Household Estimates and Projections Working Group (WASHP). Members of WASHP include representatives with experience of demographic and housing data from Unitary and National Park authorities in Wales, the Data Unit and the Welsh Government.

Detailed information on this methodology is given in the Technical Report for the 2006-based Household Projections for Wales, which also used the same methodology:

[Welsh Government | 2006-based Household Projections for Wales: Technical Report](#)

Geographies and Boundaries

The household projections are for National Park authority areas within Wales, which are based on the boundaries used for the 2006-based population projections for National Parks. Some of the historical data used to produce the assumed membership rates are based on different boundaries, due to changes in census geography. The 2001 census data used were aggregated for National Park areas using output areas (OAs) used during the 2001 census. The 1991 census data used were aggregated using enumeration districts (EDs) used during the 1991 census. Due to differences in the relative sizes of OAs and EDs the geographies used to create the initial membership rates for 1991 and 2001 are not completely consistent but are considered to be the most appropriate for this purpose.

Frequency

The next set of household projections for Local Authority and National Park in Wales are likely to be published from late 2013 onwards. These will be based on the 2011 population estimates for Wales.

Revisions

Projected membership rates are based on historical membership rates, calculated using data from the 1991 Census and the 2011 Census. In producing historical membership rates, the boundaries for National Parks were defined according to information provided by the National Parks for 2001, whilst the 1991 boundaries were defined using ONS postcode lookup files. Unfortunately when the 1991 boundaries were defined a postcode area within Neath North was wrongly included in Brecon Beacons National Park. As a result a small number of additional households were used to project household membership rates for Brecon Beacons National Park. The Brecon Beacons National Park has now been correctly defined and the projections revised accordingly.

The revision is small, resulting in an overall difference in the total number of households of around 30, or 0.17 per cent more households than originally projected by 2033. The statistics affected are projected total household numbers and household numbers by type, and projected average household size.

The 2006-based household projections for National Parks have not been revised as a result of the error in the data. This is because the 2006 population base upon which the underlying population projection is based itself has since been revised. As a result the 2006-based population and household projections for Wales have been superseded by the 2008-based set of projections.

The 2008-based household projections are not subject to planned revisions.

Symbols

The following symbol has been used throughout the publication:

'-' less than 0.05 but greater than zero.