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Appendix 5: Implications of the 2012-Based SNPP

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Subject Updated Labour Supply Modelling

1.0 Introduction

1.1 This Appendix to the High Peak and Staffordshire Moorlands ELR Demand Update presents the results of additional modelling exploring the implications of the updated 2014 Housing Needs Assessment for the two authorities.

1.2 Section 7.0 of the ELR Update originally modelled two labour supply scenarios to provide a benchmark for comparison with the econometric demand projections and past take up rates. The first of these two scenarios modelled the implications of the ONS 2011-based (Interim) Sub-National Population Projections [SNPP] incorporated into a baseline PopGroup model for each authority area. The assumptions underpinning the modelling (and specifically how the 2011-based SNPP figures were extrapolated post 2021) are set out in High Peak Borough Council's SHMA and Housing Needs: Final Report Appendix 1 (April 2014).

1.3 For High Peak, the baseline projection (Scenario 4) indicated population growth of 14,733 over the period 2011-2031; household growth of 8,731 and an equivalent housing requirement of 451 dpa. This translated into an increase of 1,595 economically active residents, and 1,492 jobs over the Plan period. For Staffordshire Moorlands, Scenario 4 indicated population growth of 6,436 over the period 2011-2031; household growth of 4,534 and an equivalent housing requirement of 238 dpa. This translated into a decrease in the number of economically active residents (by -3,745), and -2,011 jobs over the Plan period.

1.4 The second of the original labour supply scenarios (Scenario 5) modelled the employment land implications of the upper end of the OAN Housing range for High Peak and Staffordshire Moorlands (470 dpa and 440 dpa respectively). Whilst for High Peak the net job requirement under this scenario was the same as for Scenario 4 (as the key difference related to household formation rates applied to the same population base), for Staffordshire Moorlands the job growth increased to +1,997 over the 20-year period.

1.5 This job growth was subsequently translated into employment land requirements by applying standard employment densities, plot ratios and making an allowance for vacancies, a margin of choice and the replacement of

losses. The results of the previous labour supply modelling exercise are presented in Table 1.1. It indicates that for High Peak, the two Scenarios identified a need for around 44ha of B-class land. For Staffordshire Moorlands, Scenario 4 identified a need for 26ha, whilst Scenario 5 identified a need for 38ha.

Table 1.1 High Peak and Staffordshire Moorlands Labour Supply Assessments 2011-31 (ha)

	Net Job Growth 2011-31		Floorspace Requirements	Land requirements (net)	Employment land lost	Margin of choice	Land requirements (gross)
	All	B-Class					
High Peak							
Scenario 4: 2011-based (interim) ONS SNPP	+1,492	+650	39,735	**9.93**	28.00	5.72	**43.65**
Scenario 5: Housing Needs– 470 dpa							
Staffordshire Moorlands							
Scenario 4: 2011-based (interim) ONS SNPP	-2,011	-1,312	-26,664	**-6.67**	30.00	2.81	**26.15**
Scenario 5: Housing Needs– 440 dpa	+1,997	+259	22,461	**5.62**	30.00	2.81	**38.43**

Source: NLP Analysis, PopGroup

1.6 This Appendix presents the results of three updated scenarios:

1 Re-running the two existing labour supply models for both High Peak and Staffordshire Moorlands, with the revised baseline and Objectively Assessed Need for housing identified in the 2014 SHMA Update at their core; and,

2 Modelling the employment land implications of the 360 dpa housing requirement identified in the emerging High Peak Local Plan Submission Version (April 2014), and 300 dpa identified in the Staffordshire Moorlands Adopted Core Strategy (March 2014).

1.7 This new modelling work covers the period 2011 to 2031 and will help to ensure that the plans are sound, positively prepared, justified, effective and consistent. It will aid the formulation of a clear economic strategy and assist in ensuring the necessary delivery of employment sites.

2.0 Methodology

Scenario 6a/6b: Modelling the OAN Housing Range

2.1 NLP produced a SHMA on behalf of the two local authorities of High Peak Borough Council and Staffordshire Moorlands District Council in June 2014. The identification of objectively assessed need [OAN] for housing was at the heart of the study, based upon a range of housing, economic and demographic factors, trends and forecasts. Following the submission of the SHMA, the demographic data which underpinned NLP's modelling work was updated.

2.2 This new data, the 2012-based Sub-National Population Projections [SNPP], was published by ONS on 29th May 2014. It replaces the 2011-based (interim) SNPP equivalents which formed the foundation for the modelling in the SHMA. NLP subsequently produced an update to the SHMA[1] which tested the on-going validity of the housing requirements identified in the original SHMA in the light of the 2012-based SNPP. This sought to ensure that the evidence base upon which the respective Councils' Local Plans are to be founded was as robust as possible moving forward to their respective EiPs.

2.3 NLP's report concluded that, taking this evidence into account (and applying similar considerations to backlog whilst accelerating household formation rates to redress worsening housing market signals as before), would point to a **range of 280 dpa to 420 dpa for High Peak; and 210 dpa to 430 dpa for Staffordshire Moorlands.**

2.4 For High Peak, the Catch Up Headship Rate Scenario, which formerly comprised the upper end of the range in the 2014 SHMA, reduced from 464 dpa to 279 dpa. Retaining this scenario as a marker for the OAN range was intended to align with the demographic modelling and allow for some acceleration to help address the worsening market signals being experienced in the Borough. At the upper end of the range, it was recommended that the CLG (interim) 2011-based Household Projections (420 dpa) should also be retained.

2.5 For Staffordshire Moorlands, whilst the difference between the two sets of projections was less pronounced, it was also considered that the much-reduced 2012-based SNPP could justify a lowering of the OAN. Applying the same logic as before, and taking the Baseline demographic projections as the starting point, this suggested a housing need figure of around 210 dpa at the lower end of the range. At the upper end, retaining the Oxford Economics scenario as a proxy to allow for realistic economic growth would support a figure of around 430 dpa.

[1] NLP (2014): Housing Needs Study: 2012-based SNPP Update

2.6 These scenarios have been modelled in PopGroup to produce output sheets detailing population growth, the number of economically active residents and job growth as before. The detailed output sheets are presented in Appendix 6.

2.7 The results are set out in Table 2.1. They indicate that for High Peak Borough, a dwelling requirement in the order of 5,577, or around 280 dpa, could result in a decrease in the economically active population by almost 1,500 over the period 2011-2031, despite the overall population of the Borough increasing by over 7,000. This is due to the Borough's ageing population - the projections suggest that the number of residents of working age will decline (by 4,031), whilst the number of residents over 65 will increase substantially, by 10,803. At the upper end of the range, the delivery of 420 dpa would more than double the level of population growth and, as a result, would result in a positive level of job growth in the order of 2,459 between 2011 and 2031.

2.8 As regards Staffordshire Moorlands, a similar pattern emerges, with the delivery of just 210 dpa resulting in a level of population growth (+2,554) that is insufficient to reverse the decline in the numbers of economically active residents and hence the number of jobs that could be supported in the District (-2,026). More than doubling the level of housing provided over the Plan period to 430 dpa would have a significant impact on the number of jobs supported, with the PopGroup model suggesting an uplift in the population by almost 16,500 people which would lead to an increase in the number of economically active residents by almost 3,000, and an increase in the number of jobs by almost 2,180 between 2011 and 2031.

Table 2.1 High Peak and Staffordshire Moorlands PopGroup Modelling Outputs for OAN Range

	Population Growth	H'hold Growth	Dwellings Growth	Change in Economically Active Residents	Change in Jobs
High Peak Borough					
Scenario 6a: Lower End of OAN Range: 280 dpa 2012-based ONS SNPP Baseline Scenario A (Catch Up headship rates)	7,047	5,348	5,577	-1,483	-623
Scenario 6b: Upper End of OAN Range: 420 dpa CLG 2011-based Household Projections	15,001	8,056	8,400	+3,075	+2,459
Staffordshire Moorlands District					
Scenario 6a: Lower End of OAN Range: 210 dpa 2012-based ONS SNPP Baseline Scenario A (Index headship rates)	2,554	3,517	3,671	-4,248	-2,026
Scenario 6b: Upper End of OAN Range: 430 dpa Oxford Economics Job-led Scenario	16,493	8,201	8,561	+2,967	+2,179

Source: NLP Analysis, PopGroup

2.9 The labour supply implications of these scenarios have been modelled by NLP to take account of economic activity rates and future pension age changes as outlined in current national policy.

2.10 This approach assumes that existing commuting relationships (identified from 2011 Census economic activity rates and 2011 BRES jobs data), whereby significantly more people commute out of both High Peak and Staffordshire Moorlands on a daily basis for work, are maintained over the plan periods. As such, both High Peak Borough and Staffordshire Moorlands District are assumed to continue to act as net exporters of labour.

2.11 Unemployment rates were also calculated for the two areas using the latest NOMIS (modelled) unemployment figures, subsequently reduced over time to equate to the long term historic average for both areas and held constant to the end of the plan periods.

2.12 Incorporating these job growth figures into the ELR model as before involved applying the HCA's employment densities (adjusted to reflect the fact that these are total jobs, rather than FTEs); applying a similar B1/B2/B8 split as per the econometric modelling (adjusted over time) and using a standard plot ratio of 40%.

2.13 Table 2.2 presents the results of the Housing OAN range of labour supply scenarios (6a and 6b) for High Peak Borough and Staffordshire Moorlands District. Unsurprisingly, the lower end of the OAN range for both authorities (280 dpa for High Peak, 210 dpa for Staffordshire Moorlands) results in a low level of job growth and consequently minimal (net) employment land requirements. This in the order of 3.1ha for High Peak and, given negative job growth, -6.5ha for Staffordshire Moorlands.

Table 2.2 High Peak and Staffordshire Moorlands Scenario 6 Labour Supply Assessments 2011-31 (ha)

	Net Population Growth	Net Job Growth 2011-31		Floorspace Requirements	Land Requirements (net)	Employment land lost	Margin of choice	Land requirements (gross)
		All	B-Class	Sqm	Ha	Ha	Ha	Ha
High Peak								
Scenario 6a: Lower End of OAN Range: 280 dpa 2012-based ONS SNPP Baseline Scenario A (Catch Up headship rates)	7,047	-623	-276	12,285	**3.07**	28.00	5.72	**36.79**
Scenario 6b: Upper End of OAN Range: 420 dpa CLG 2011-based Household Projections	15,001	+2,459	+1,074	111,128	**12.37**	28.00	5.72	**46.09**
Staffordshire Moorlands								
Scenario 6a: Lower End of OAN Range: 210 dpa 2012-based ONS SNPP Baseline Scenario A (Index headship rates)	2,554	-2,026	-1,281	-25,816	**-6.45**	30.00	2.81	**26.36**
Scenario 6b: Upper End of OAN Range: 430 dpa Oxford Economics Job-led Scenario	16,493	+2,179	+367	23,990	**6.00**	30.00	2.81	**38.81**

Source: NLP Analysis, PopGroup

2.14 As the updated model runs apply the same basic assumptions and data inputs (with the only modification being the level of future housing delivery), it is unsurprising that they display a clear linear progression, with the higher levels of job growth increasing the level of floorspace and land requirements accordingly.

2.15 The significantly higher levels of job growth that could be sustained at the upper end of the OAN ranges (420 dpa and 430 dpa for High Peak and Staffordshire Moorlands respectively) would generate B-class land requirements of 12.4ha and 6.0ha for High Peak Borough and Staffordshire Moorlands District respectively.

2.16 When an allowance is made for losses and a margin of choice, this would uplift the (gross) employment land need to between 36.8ha and 46.1ha for High Peak Borough, and between 26.4ha and 38.8ha for Staffordshire Moorlands District.

Scenario 7: Modelling the Local Plan Housing Requirements

2.17 NLP also modelled the respective Councils' housing requirements as set out in the High Peak Local Plan Submission Version (April 2014) at 360 dpa; and Staffordshire Moorlands' Adopted Core Strategy (March 2014) at 300 dpa.

2.18 The results of the model runs are displayed below, with the accompanying PopGroup output sheets attached in Appendix 6.

Table 2.3 High Peak and Staffordshire Moorlands Scenario 7 Labour Supply Assessments 2011-31 (ha)

	Net Population Growth	Net Job Growth 2011-31		Floorspace Requirements	Land Requirements (net)	Employment land lost	Margin of choice	Land requirements (gross)
		All	B-Class	Sqm	Ha	Ha	Ha	Ha
High Peak								
Scenario 7: 360 dpa Emerging Local Plan Housing Requirement	11,922	+1,293	+563	35,409	**8.85**	28.00	5.72	**42.57**
Staffordshire Moorlands								
Scenario 7: 300 dpa Adopted Core Strategy Housing Requirement	9,697	-25	-497	2,754	**0.69**	30.00	2.81	**33.50**

Source: NLP Analysis, PopGroup

2.19 As the housing requirements sit roughly mid-way within the OAN range of housing set out in Scenarios 6a and 6b for both districts above, it is unsurprising that the resultant employment land requirements also sit approximately halfway in the range of requirements. High Peak's 360 dpa equates to a need for 42.6ha of employment land (gross), whilst Staffordshire Moorlands' 300 dpa could equate to a need for 33.5ha of B-class employment land.

3.0 Implications

3.1 In interpreting the outputs of this Appendix, regard should be had to the National Planning Practice Guidance. This states that Local Authorities should develop an idea of future economic needs based on a range of data and forecasts of quantitative and qualitative need. In this respect, planning for employment growth should avoid relying upon using single sources of data or projections which tend to rely upon a number of different variables which are inevitably subject to change.

3.2 It is also important to recognise that there are inevitable uncertainties and limitations associated with modelling assumptions under any of the future growth scenarios considered. For example, there are some inherent limitations to the use of local level economic forecasts, particularly in the context of significant recent changes in the economy. For example, economic forecasts are regularly updated and the resulting employment outputs will change over the plan period.

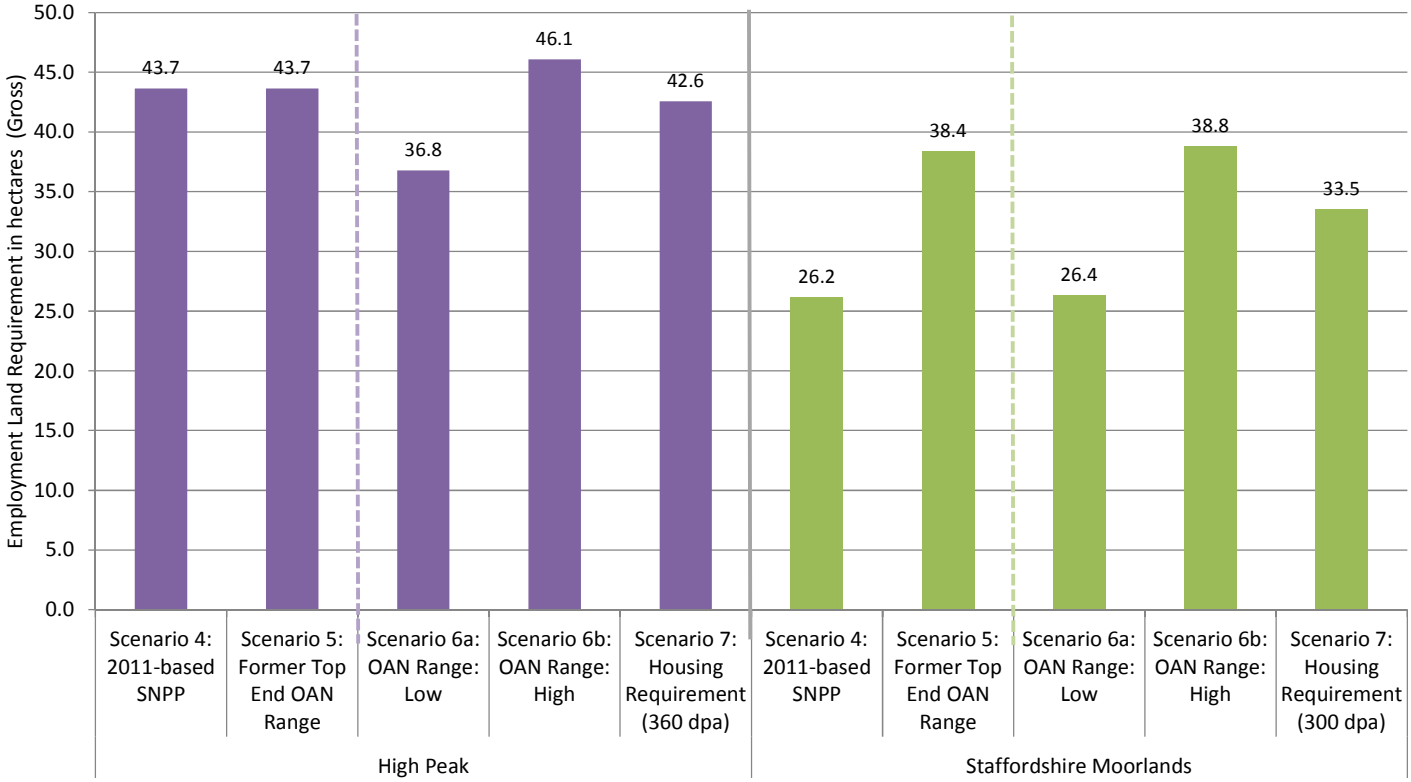
3.3 As noted in the main body of the ELR, it is stressed that labour supply approaches are generally more conservative given that they often relate to a declining working age population. Furthermore, whilst housing growth and employment requirements are clearly related, it is questionable whether there is a direct causal relationship between the two, particularly once considerations relating to changing commuting practices, fluctuating unemployment rates and economic activity rates are taken into account.

3.4 Nevertheless, it is clear from the updated modelling that the revised labour supply forecasts generate employment land requirements that are broadly consistent with the previously modelled projections.

3.5 Figure 3.1 compares the updated labour supply scenarios (incorporating the revised OAN range for both authorities and their preferred housing requirements) against the two original labour supply scenarios modelled in the main body of the ELR. For High Peak, the previously modelled upper end of the range (Scenario 5) is slightly below the updated version using the 2012-based SNPP (Scenario 6b) – 43.7ha compared to 46.1ha. However, modelling the employment implications from delivering a 360 dpa housing requirement (Scenario 7) results in a figure (42.6ha) very similar to the previously modelled scenarios.

3.6 As for Staffordshire Moorlands, the latest labour supply scenarios suggest B-Class land requirements that are also very similar to the equivalent modelled scenarios in the main body of the ELR. Scenario 4, which comprised the original 2011-based SNPP, identified a need for 26.15ha, whilst its updated equivalent, Scenario 6a (the bottom end of the OAN range), suggests a requirement for 26.4ha. Similarly, the original Labour Supply Scenario 5 for SMDC identified a need for 38.4ha, which is approximate to the upper end of the re-modelled OAN range (Scenario 6b, which indicates a need for 38.8ha). Furthermore, SMDC's adopted Core Strategy housing requirement of 300 dpa equates to a figure of 33.5ha of B-class employment land. This sits roughly halfway within the range.

Figure 3.1 Comparison of Labour Supply Modelling Scenarios



3.7 The ELR has concluded that a range of between 40ha and 80ha (gross) of employment land may be considered appropriate to meet High Peak's employment land needs to 2031. This is approximate to the Labour Supply Scenarios at the lower end and the Past Take Up Rate projection at the upper end.

3.8 The new labour supply scenarios for High Peak Borough start from 37ha at the bottom end, through to 43ha if the housing requirement of 360 dpa is modelled, and up to 46ha at the upper end of the range.

3.9 On this basis, it is clear that if the 2012-based SNPP data had been available at the time of the original modelling, the outputs from the labour supply scenarios would not have produced significantly different figures from before. On this basis, and through the application of the same qualitative and quantitative considerations as set out in Section 7.0, it appears reasonable to retain the 40ha recommendation at the bottom end of the range, whilst the upper end (80ha) would be similarly unaffected.

3.10 For Staffordshire Moorlands a range of 25ha to 45ha (gross) of employment land was originally considered appropriate to 2031. This was approximate to the Labour Supply Scenarios at the lower end and the OE Baseline/Policy On projections at the upper end.

3.11 The updated labour force modelling work produces employment land projections ranging from 26ha at the bottom end of the range (Scenario 6a), through to 34ha if the housing requirement of 300 dpa is modelled (Scenario 7) and up to 39ha modelling the upper end of the OAN range (Scenario 6b).

3.12 The re-modelled labour supply scenarios therefore produce very similar results to the equivalent scenarios in the previous modelling work. On the basis that it is still appropriate to apply the same quantitative and qualitative considerations set out in Section 7.0 to the definition of the range of employment land needs, then the aforementioned range of 25ha to 45ha remains robust. Such a range would encompass the outputs of all three of the updated labour supply scenarios.

Appendix 6 Modelling Results

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Population Estimates and Forecasts

High Peak 280 dpa

Components of Population Change

High Peak

Year beginning July 1st .....

	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*	*2016-17*	*2017-18*	*2018-19*	*2019-20*	*2020-21*	*2021-22*	*2022-23*	*2023-24*	*2024-25*	*2025-26*	*2026-27*	*2027-28*	*2028-29*	*2029-30*	*2030-31*	*2031-32*	*2032-33*	*2033-34*	*2034-35*	*2035-36*	*2036-37*
Births																										
Male	496	500	502	505	505	506	507	508	508	507	507	505	504	502	499	497	495	493	492	491	490	490	491	493	495	495
Female	472	476	478	481	481	482	483	484	484	483	482	481	480	478	476	474	472	470	468	467	467	467	468	470	472	472
All Births	969	977	979	986	986	988	990	991	991	990	989	987	983	979	975	971	967	963	960	958	957	958	959	963	967	967
TFR	1.95	1.97	1.97	1.97	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.95
Births input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Deaths																										
Male	410	397	397	402	400	407	411	415	420	425	430	437	444	452	460	466	475	484	492	500	507	517	526	533	541	541
Female	441	419	414	415	416	412	416	417	419	423	425	431	436	444	450	456	465	473	484	490	499	508	516	522	530	530
All deaths	851	816	811	817	817	819	827	832	840	849	856	868	881	896	910	922	939	957	977	991	1,006	1,024	1,041	1,055	1,071	1,071
SMR: males	110.8	104.9	101.6	99.8	96.2	94.7	92.6	90.2	88.4	86.4	84.4	82.8	81.4	80.1	78.7	77.0	76.0	74.9	73.9	72.7	71.6	70.8	69.9	68.9	68.1	66.5
SMR: females	110.5	104.9	102.4	100.9	99.5	96.6	95.4	93.2	91.5	90.0	88.0	86.6	85.2	84.2	82.7	81.3	80.2	79.1	78.5	77.0	76.1	75.2	74.0	72.8	72.1	70.3
SMR: persons	110.6	104.9	102.0	100.3	97.9	95.7	94.0	91.7	89.9	88.2	86.2	84.7	83.2	82.1	80.6	79.1	78.0	77.0	76.1	74.8	73.7	72.9	71.9	70.8	70.0	68.3
Expectation of life: males	78.3	78.9	79.4	79.5	79.9	80.2	80.5	80.8	81.0	81.3	81.6	81.8	82.0	82.2	82.5	82.7	82.8	83.0	83.2	83.4	83.5	83.7	83.9	84.1	84.3	84.6
Expectation of life: females	82.5	83.1	83.4	83.6	83.7	83.9	84.1	84.3	84.5	84.7	85.0	85.1	85.3	85.4	85.7	85.8	85.9	86.1	86.2	86.4	86.5	86.6	86.8	87.1	87.2	87.3
Expectation of life: persons	80.5	81.1	81.5	81.6	81.9	82.1	82.4	82.6	82.8	83.0	83.3	83.5	83.7	83.9	84.1	84.3	84.4	84.6	84.7	84.9	85.0	85.2	85.4	85.6	85.8	85.9
Deaths input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from the UK																										
Male	1,601	1,680	1,685	1,690	1,697	1,701	1,704	1,707	1,707	1,707	1,707	1,709	1,712	1,719	1,726	1,736	1,743	1,751	1,759	1,766	1,771	1,777	1,783	1,789	1,794	1,640
Female	1,760	1,807	1,807	1,809	1,811	1,812	1,811	1,810	1,807	1,803	1,800	1,800	1,800	1,805	1,811	1,820	1,828	1,836	1,845	1,852	1,857	1,864	1,871	1,876	1,883	1,721
All	3,361	3,487	3,492	3,499	3,508	3,512	3,515	3,517	3,514	3,510	3,507	3,508	3,512	3,523	3,537	3,555	3,571	3,587	3,604	3,617	3,628	3,641	3,654	3,665	3,677	3,361
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																										
Male	1,626	1,588	1,593	1,592	1,597	1,605	1,602	1,593	1,583	1,579	1,583	1,589	1,589	1,593	1,593	1,602	1,597	1,601	1,604	1,607	1,611	1,615	1,618	1,624	1,628	1,632
Female	1,765	1,716	1,725	1,715	1,716	1,719	1,720	1,712	1,703	1,691	1,682	1,675	1,677	1,681	1,684	1,679	1,685	1,689	1,702	1,710	1,711	1,718	1,726	1,731	1,736	1,741
All	3,391	3,304	3,318	3,308	3,313	3,324	3,322	3,304	3,287	3,270	3,265	3,264	3,266	3,274	3,277	3,281	3,282	3,291	3,306	3,317	3,322	3,333	3,344	3,355	3,364	3,373
SMigR: males	36.5	35.7	35.6	35.5	35.5	35.5	35.4	35.3	35.1	35.1	35.2	35.3	35.3	35.4	35.4	35.5	35.3	35.3	35.3	35.2	35.2	35.2	35.1	35.1	35.1	35.1
SMigR: females	39.3	38.3	38.5	38.3	38.3	38.3	38.3	38.2	38.1	38.0	37.9	37.8	37.8	37.9	37.9	37.7	37.7	37.7	37.8	37.8	37.7	37.6	37.7	37.7	37.6	37.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																										
Male	311	120	130	134	131	132	133	131	132	130	130	133	136	136	138	140	142	142	142	142	142	143	141	139	139	219
Female	338	114	121	126	131	124	126	122	124	126	123	125	126	128	128	132	134	134	134	134	139	138	133	130	133	224
All	649	234	251	260	262	256	259	253	256	255	253	259	262	264	266	271	276	276	276	277	282	280	274	269	271	443
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																										
Male	275	137	131	131	127	123	125	126	124	122	122	123	125	123	126	130	128	129	129	131	132	131	130	131	131	57
Female	326	128	116	118	114	116	110	111	111	110	109	107	108	107	109	111	112	112	110	116	119	117	115	114	115	44
All	601	265	247	249	240	239	235	237	235	232	231	230	233	230	235	241	240	241	239	247	252	248	245	245	246	101
SMigR: males	111.7	55.5	52.8	52.8	50.8	49.3	49.8	50.5	49.8	49.0	49.1	49.7	50.5	50.0	51.3	52.7	52.1	52.4	52.4	53.0	53.4	52.7	52.2	52.4	52.3	22.6
SMigR: females	169.8	67.0	60.5	61.5	59.2	60.1	57.1	57.7	57.8	57.7	57.4	56.8	57.8	57.3	58.5	60.2	60.6	60.6	59.5	62.5	64.1	62.9	61.3	60.6	61.1	23.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	-30	+183	+174	+191	+195	+189	+192	+213	+227	+240	+243	+244	+246	+249	+260	+274	+289	+297	+297	+301	+306	+308	+310	+310	+313	-12
Overseas	+48	-31	+4	+11	+22	+17	+24	+15	+21	+23	+22	+28	+29	+34	+31	+30	+35	+35	+36	+30	+30	+32	+29	+24	+25	+342
Summary of population change																										
Natural change	+118	+161	+169	+170	+170	+169	+162	+160	+152	+142	+133	+119	+103	+83	+65	+49	+27	+6	-17	-33	-49	-67	-82	-93	-104	-104
Net migration	+18	+152	+178	+202	+217	+205	+217	+228	+248	+263	+264	+273	+275	+283	+291	+304	+324	+332	+334	+330	+336	+340	+339	+334	+338	+330
Net change	+136	+313	+346	+372	+387	+375	+379	+388	+400	+404	+398	+391	+378	+366	+356	+353	+351	+338	+317	+298	+288	+273	+257	+241	+234	+226
Crude Birth Rate /000	10.64	10.70	10.69	10.73	10.68	10.66	10.63	10.60	10.56	10.50	10.45	10.38	10.30	10.22	10.13	10.05	9.98	9.90	9.84	9.79	9.75	9.73	9.72	9.73	9.75	9.73
Crude Death Rate /000	9.34	8.94	8.85	8.88	8.84	8.84	8.89	8.90	8.94	9.00	9.04	9.13	9.22	9.35	9.46	9.55	9.69	9.84	10.01	10.12	10.25	10.41	10.55	10.66	10.80	10.77
Crude Net Migration Rate /000	0.20	1.66	1.94	2.20	2.35	2.22	2.33	2.44	2.64	2.79	2.79	2.87	2.88	2.96	3.03	3.15	3.34	3.41	3.42	3.37	3.42	3.46	3.43	3.38	3.40	3.32

Summary of Population estimates/forecasts

Population at mid-year

	2011	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*	*2025*	*2026*	*2027*	*2028*	*2029*	*2030*	*2031*	*2032*	*2033*	*2034*	*2035*	*2036*	*2037*
0-4	5,010	4,962	4,976	5,030	5,066	5,080	5,082	5,103	5,116	5,126	5,131	5,134	5,133	5,129	5,120	5,107	5,090	5,072	5,052	5,032	5,013	4,997	4,985	4,977	4,975	4,979	4,990
5-10	5,880	5,947	6,025	6,045	6,077	6,136	6,156	6,166	6,187	6,244	6,283	6,296	6,297	6,318	6,330	6,338	6,340	6,338	6,333	6,323	6,308	6,290	6,269	6,246	6,223	6,201	6,183
11-15	5,586	5,473	5,308	5,130	4,994	4,954	5,020	5,113	5,179	5,200	5,237	5,252	5,285	5,297	5,350	5,383	5,394	5,393	5,412	5,422	5,430	5,432	5,432	5,427	5,420	5,408	5,393
16-17	2,357	2,315	2,248	2,294	2,306	2,193	2,052	1,967	1,962	2,003	2,027	2,087	2,132	2,132	2,106	2,098	2,147	2,186	2,180	2,170	2,182	2,190	2,195	2,197	2,199	2,200	2,199
18-59Female, 64Male	53,128	52,846	52,796	52,710	52,623	52,627	52,568	52,381	52,102	51,870	51,551	51,306	50,972	50,698	50,422	50,107	49,798	49,491	49,215	49,047	48,882	48,728	48,648	48,608	48,623	48,667	48,789
60/65 -74	11,928	12,469	12,821	13,129	13,438	13,737	13,964	14,169	14,330	14,470	14,730	14,627	14,713	14,899	15,099	15,394	15,674	16,000	16,303	16,588	16,785	16,942	16,992	16,967	16,888	16,711	16,455
75-84	5,096	5,097	5,198	5,327	5,479	5,567	5,726	5,993	6,335	6,592	6,843	7,407	7,844	8,151	8,422	8,667	8,837	8,948	9,020	9,038	9,114	9,023	9,035	9,160	9,295	9,528	9,766
85+	1,997	2,009	2,057	2,111	2,166	2,242	2,343	2,399	2,466	2,572	2,680	2,772	2,894	3,025	3,167	3,278	3,445	3,647	3,900	4,112	4,315	4,715	5,035	5,264	5,465	5,628	5,773
Total	90,982	91,118	91,431	91,777	92,149	92,536	92,911	93,290	93,677	94,077	94,482	94,879	95,271	95,649	96,015	96,371	96,725	97,076	97,414	97,731	98,029	98,316	98,590	98,847	99,088	99,322	99,548
Dependency ratios, mean age and sex ratio																											
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65	0.27	0.28	0.30	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.45	0.46	0.47	0.49	0.50	0.51	0.52	0.53	0.54	0.54
0-15 and 65+ / 16-65	0.55	0.56	0.58	0.59	0.59	0.60	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.71	0.72	0.74	0.75	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.85	0.85
Median age males	41.4	41.9	42.2	42.6	42.9	43.2	43.4	43.6	43.7	43.7	43.7	43.6	43.6	43.7	43.7	43.8	43.8	43.9	43.9	44.0	44.1	44.1	44.2	44.3	44.5	44.6	44.8
Median age females	42.8	43.2	43.6	44.0	44.3	44.6	45.0	45.3	45.5	45.7	45.9	46.0	46.1	46.1	46.1	46.2	46.3	46.5	46.6	46.7	46.8	46.8	47.0	47.0	47.1	47.2	47.3
Sex ratio males /100 females	96.9	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.7	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.4
Population impact of constraint																											
Number of persons	-274	+42	-44	-10	-2	-1	+1	+7	+3	+8	+10	+9	+16	+16	+21	+18	+17	+22	+22	+24	+17	+17	+19	+16	+11	+12	+329
Households																											
Number of Households	38,958	39,184	39,435	39,687	39,963	40,254	40,569	40,862	41,137	41,408	41,670	41,988	42,298	42,581	42,852	43,111	43,359	43,593	43,834	44,062	44,306	44,544	44,775	44,939	45,090	45,227	45,354
Change in Households over pre	+126	+226	+250	+253	+275	+292	+315	+293	+274	+271	+262	+318	+311	+283	+271	+259	+248	+234	+241	+228	+244	+238	+231	+164	+150	+137	+127
Number of supply units	40,624	40,860	41,121	41,384	41,671	41,975	42,303	42,609	42,895	43,178	43,451	43,783	44,107	44,402	44,684	44,954	45,213	45,457	45,708	45,946	46,201	46,449	46,689	46,861	47,018	47,160	47,293
Change in over previous year	+132	+236	+261	+264	+287	+304	+328	+306	+286	+283	+274	+331	+324	+295	+282	+270	+259	+244	+251	+238	+255	+248	+241	+171	+157	+143	+132
Labour Force																											
Number of Labour Force	48,807	48,850	48,929	49,000	49,077	49,113	49,068	49,028	49,028	49,029	48,881	48,716	48,535	48,330	48,173	48,009	47,859	47,700	47,541	47,427	47,324	47,253	47,185	47,128	47,110	47,108	47,148
Change in Labour Force over previous year		+43	+79	+71	+77	+35	-45	-40	+0	+1	-148	-165	-181	-205	-157	-164	-150	-159	-159	-113	-103	-71	-68	-57	-18	-2	+40
Number of supply units	32,611	32,291	32,902	32,949	33,001	33,060	33,064	33,071	33,105	33,140	33,040	32,929	32,807	32,668	32,562	32,451	32,349	32,242	32,134	32,058	31,988	31,940	31,894	31,855	31,843	31,842	31,869
Change in over previous year		-320	+611	+48	+52	+58	+4	+7	+34	+35	-100	-112	-122	-139	-106	-111	-102	-108	-107	-77	-70	-48	-46	-38	-12	-1	+27

Population Estimates and Forecasts — High Peak June 2014

Components of Population Change — High Peak 360 dpa

	Year beginning July 1st ……..																											
	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*	*2016-17*	*2017-18*	*2018-19*	*2019-20*	*2020-21*	*2021-22*	*2022-23*	*2023-24*	*2024-25*	*2025-26*	*2026-27*	*2027-28*	*2028-29*	*2029-30*	*2030-31*	*2031-32*	*2032-33*	*2033-34*	*2034-35*	*2035-36*	*2036-37*		
Births																												
Male	505	491	502	509	516	519	521	524	527	529	530	528	528	528	528	527	527	527	528	530	534	534	534	535	536	535		
Female	481	468	478	484	492	494	496	499	502	504	504	503	503	503	502	502	502	502	503	505	509	508	509	509	510	510		
All Births	987	959	980	993	1,008	1,013	1,017	1,022	1,028	1,032	1,034	1,032	1,031	1,030	1,030	1,029	1,028	1,029	1,031	1,035	1,043	1,042	1,042	1,044	1,046	1,045		20,348
TFR	1.98	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94		
Births input																												
Deaths																												
Male	385	410	395	394	400	398	405	409	412	418	424	429	436	443	451	459	465	475	485	494	503	510	520	529	537	545		
Female	415	441	417	412	413	415	411	416	417	420	425	427	433	438	447	452	459	468	477	489	496	504	513	521	528	536		
All deaths	800	850	813	807	812	813	816	825	830	839	849	856	869	881	898	911	924	943	961	983	998	1,014	1,033	1,050	1,065	1,081		17,278
SMR: males	104.1	108.4	101.7	98.5	96.6	93.2	91.6	89.5	87.2	85.4	83.5	81.6	80.1	78.7	77.3	76.1	74.6	73.5	72.5	71.6	70.6	69.5	68.8	68.0	67.2	66.5		
SMR: females	104.1	110.3	103.5	100.8	99.2	97.6	94.5	93.1	91.0	89.2	87.6	85.4	84.2	82.7	81.7	80.1	78.8	77.7	76.7	76.1	74.8	73.8	72.9	71.9	71.0	70.3		
SMR: persons	104.1	109.4	102.6	99.6	97.9	95.4	93.0	91.3	89.1	87.3	85.5	83.4	82.1	80.6	79.4	78.0	76.6	75.5	74.5	73.7	72.6	71.6	70.8	69.9	69.0	68.3		
Expectation of life: males	79.0	78.4	79.3	79.7	79.9	80.4	80.6	80.9	81.2	81.4	81.7	82.0	82.2	82.4	82.6	82.9	83.1	83.3	83.4	83.7	83.8	84.0	84.2	84.3	84.5	84.6		
Expectation of life: females	83.1	82.5	83.2	83.4	83.6	83.8	84.1	84.3	84.5	84.7	84.9	85.2	85.3	85.5	85.7	85.9	86.0	86.2	86.4	86.5	86.7	86.8	86.9	87.1	87.3	87.4		
Expectation of life: persons	81.1	80.5	81.3	81.6	81.8	82.1	82.4	82.6	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.7	84.9	85.1	85.3	85.4	85.6	85.7	85.9	86.0		
Deaths input																												
In-migration from the UK																												
Male	1,601	1,762	1,759	1,742	1,731	1,720	1,736	1,749	1,750	1,756	1,730	1,745	1,765	1,776	1,774	1,787	1,806	1,827	1,837	1,856	1,771	1,777	1,783	1,789	1,794	1,640		
Female	1,760	1,894	1,887	1,865	1,848	1,832	1,846	1,855	1,853	1,855	1,825	1,838	1,856	1,865	1,862	1,874	1,895	1,917	1,927	1,947	1,857	1,864	1,871	1,876	1,883	1,721		
All	3,361	3,655	3,646	3,607	3,578	3,551	3,582	3,604	3,603	3,611	3,555	3,583	3,620	3,640	3,636	3,661	3,701	3,744	3,764	3,803	3,628	3,641	3,654	3,665	3,677	3,361		72,506
SMigR: males	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0		
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0		
Migrants input																												
Out-migration to the UK																												
Male	1,626	1,507	1,519	1,541	1,563	1,586	1,570	1,551	1,540	1,530	1,560	1,553	1,537	1,536	1,545	1,550	1,534	1,525	1,526	1,517	1,611	1,615	1,618	1,624	1,628	1,632		
Female	1,765	1,629	1,645	1,660	1,679	1,699	1,685	1,667	1,657	1,638	1,658	1,637	1,621	1,621	1,633	1,625	1,618	1,609	1,619	1,614	1,711	1,718	1,726	1,731	1,736	1,741		
All	3,391	3,136	3,164	3,200	3,243	3,285	3,255	3,217	3,197	3,169	3,217	3,190	3,158	3,157	3,179	3,176	3,152	3,134	3,145	3,131	3,322	3,333	3,344	3,355	3,364	3,373		63,896
SMigR: males	36.5	33.9	33.8	33.9	34.2	34.5	34.0	33.6	33.3	33.0	33.6	33.4	33.0	32.8	32.9	32.8	32.3	32.0	31.8	31.3	33.0	33.0	33.0	33.0	33.0	33.0		
SMigR: females	39.3	36.4	36.4	36.5	36.8	37.1	36.8	36.3	36.1	35.7	36.1	35.6	35.2	35.1	35.2	34.9	34.5	34.0	33.9	33.5	35.2	35.2	35.3	35.3	35.3	35.4		
Migrants input																												
In-migration from Overseas																												
Male	293	100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
Female	322	89	89	89	93	90	91	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
All	615	189	189	189	198	192	193	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188		4,214
Migrants input																												
Out-migration to Overseas																												
Male	292	98	98	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99		
Female	345	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77		
All	636	175	175	176	175	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176		3,972
SMigR: males	118.4	40.0	39.6	39.2	38.8	38.6	38.5	38.4	38.3	38.3	38.2	38.2	38.3	38.2	38.2	38.1	37.9	37.8	37.5	37.3	36.9	36.9	36.8	36.8	36.7	36.6		
SMigR: females	179.7	40.2	39.8	39.6	39.3	39.0	39.0	39.0	39.0	39.0	39.1	39.3	39.4	39.4	39.4	39.4	39.3	39.1	38.9	38.6	38.2	38.1	38.1	38.1	38.0	38.0		
Migrants input																												
Migration - Net Flows																												
UK	-30	+519	+482	+406	+336	+266	+327	+387	+406	+442	+337	+393	+462	+483	+457	+486	+549	+610	+619	+672	+306	+308	+310	+310	+313	-12		8,610
Overseas	-21	+13	+14	+13	+22	+16	+17	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13		242
Summary of population change																												
Natural change	+187	+108	+167	+186	+195	+200	+201	+197	+199	+194	+185	+176	+162	+149	+132	+117	+104	+86	+70	+53	+44	+28	+9	-7	-19	-36		3,069
Net migration	-51	+533	+496	+419	+358	+282	+345	+400	+419	+455	+350	+406	+475	+496	+470	+498	+562	+623	+632	+685	+319	+321	+323	+323	+326	+1		8,852
Net change	+136	+641	+663	+606	+553	+483	+546	+597	+618	+649	+535	+582	+637	+645	+602	+616	+665	+709	+701	+737	+363	+349	+332	+316	+307	-35		11,922
Crude Birth Rate /000	10.84	10.49	10.64	10.71	10.80	10.80	10.78	10.77	10.77	10.74	10.69	10.60	10.53	10.46	10.39	10.31	10.24	10.17	10.13	10.10	10.11	10.08	10.04	10.02	10.02	9.99		
Crude Death Rate /000	8.79	9.30	8.82	8.70	8.71	8.66	8.65	8.69	8.69	8.72	8.77	8.79	8.87	8.94	9.05	9.13	9.20	9.32	9.44	9.58	9.69	9.80	9.95	10.09	10.20	10.34		
Crude Net Migration Rate /000	-0.56	5.83	5.38	4.52	3.84	3.01	3.65	4.21	4.39	4.74	3.62	4.17	4.85	5.04	4.74	4.99	5.59	6.16	6.20	6.68	3.10	3.10	3.11	3.10	3.12	0.01		

Summary of Population estimates/forecasts

	Population at mid-year																											
	2011	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*	*2025*	*2026*	*2027*	*2028*	*2029*	*2030*	*2031*	*2032*	*2033*	*2034*	*2035*	*2036*	*2037*		
0-4	5,010	4,962	4,988	5,063	5,121	5,158	5,182	5,235	5,276	5,313	5,342	5,358	5,370	5,380	5,386	5,384	5,380	5,380	5,383	5,389	5,401	5,397	5,395	5,397	5,402	5,409	5,392		
5-10	5,880	5,947	6,041	6,076	6,120	6,189	6,219	6,235	6,270	6,345	6,413	6,452	6,483	6,543	6,591	6,630	6,658	6,680	6,699	6,712	6,723	6,712	6,698	6,685	6,671	6,661	6,639		
11-15	5,586	5,473	5,321	5,152	5,021	4,986	5,054	5,151	5,224	5,256	5,303	5,328	5,371	5,390	5,455	5,508	5,545	5,573	5,631	5,675	5,715	5,734	5,747	5,753	5,754	5,749	5,729		
16-17	2,357	2,315	2,257	2,310	2,326	2,212	2,072	1,989	1,987	2,029	2,053	2,112	2,162	2,169	2,150	2,144	2,195	2,241	2,237	2,235	2,265	2,285	2,301	2,310	2,318	2,326	2,326		
18-59Female, 64Male	53,128	52,846	53,060	53,216	53,298	53,413	53,413	53,328	53,183	53,089	52,927	52,754	52,529	52,411	52,309	52,139	51,990	51,875	51,833	51,904	52,011	51,865	51,796	51,775	51,814	51,885	51,795		
60/65 -74	11,928	12,469	12,845	13,171	13,496	13,806	14,037	14,259	14,441	14,593	14,871	14,785	14,894	15,105	15,329	15,648	15,954	16,306	16,636	16,951	17,181	17,349	17,410	17,391	17,319	17,147	16,878		
75-84	5,096	5,097	5,220	5,362	5,525	5,617	5,783	6,054	6,397	6,666	6,922	7,485	7,925	8,245	8,529	8,788	8,969	9,096	9,189	9,226	9,324	9,243	9,268	9,407	9,557	9,804	10,047		
85+	1,997	2,009	2,028	2,071	2,120	2,200	2,304	2,359	2,428	2,533	2,642	2,735	2,856	2,984	3,124	3,233	3,400	3,604	3,858	4,075	4,283	4,683	5,000	5,230	5,429	5,591	5,730		
Total	90,982	91,118	91,759	92,422	93,028	93,581	94,064	94,610	95,207	95,824	96,473	97,009	97,591	98,228	98,873	99,475	100,091	100,756	101,465	102,166	102,904	103,267	103,616	103,948	104,264	104,571	104,536	11,922	596
Dependency ratios, mean age and sex ratio																													
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31		
65+ / 16-65	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.52		
0-15 and 65+ / 16-65	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.69	0.70	0.71	0.72	0.74	0.75	0.76	0.78	0.79	0.80	0.81	0.82	0.83	0.83		
Median age males	41.4	41.9	42.2	42.5	42.7	43.0	43.1	43.2	43.2	43.2	43.1	43.1	43.1	43.1	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.3	43.5	43.6	43.8	44.0		
Median age females	42.8	43.2	43.5	43.9	44.1	44.4	44.7	45.0	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.7	45.8	45.9	46.0	46.1	46.3		
Sex ratio males /100 females	96.9	97.1	97.1	97.2	97.3	97.4	97.5	97.5	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.2	98.3	98.3	98.4		
Population impact of constraint																													
Number of persons	-256	-27	+337	+308	+215	+140	+77	+135	+174	+179	+203	+95	+149	+216	+234	+197	+211	+260	+314	+321	+371								
Households																													
Number of Households	38,958	39,184	39,536	39,888	40,240	40,592	40,944	41,296	41,648	42,000	42,352	42,704	43,056	43,408	43,760	44,112	44,464	44,816	45,168	45,520	45,872	46,083	46,301	46,515	46,714	46,908	46,976	6,913	346
Change in Households over previous	+126	+226	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+352	+211	+219	+213	+200	+194	+68		
Number of supply units	40,624	40,860	41,227	41,594	41,961	42,328	42,695	43,062	43,429	43,796	44,163	44,530	44,897	45,264	45,631	45,998	46,365	46,732	47,099	47,466	47,833	48,053	48,281	48,503	48,712	48,914	48,985	7,209	360
Change in over previous year	+132	+236	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+367	+220	+228	+222	+208	+202	+71		
Labour Force																													
Number of Labour Force	48,807	48,850	49,147	49,427	49,653	49,790	49,804	49,860	49,982	50,107	50,098	50,005	49,926	49,866	49,866	49,838	49,833	49,847	49,899	50,006	50,158	50,116	50,066	50,030	50,035	50,059	49,918	1,351	68
Change in Labour Force over previous year		+43	+297	+281	+226	+137	+14	+56	+122	+126	-9	-93	-79	-60	+0	-29	-4	+13	+53	+107	+152	-42	-50	-36	+5	+24	-141		
Number of supply units	32,611	32,291	33,048	33,237	33,389	33,516	33,560	33,632	33,749	33,869	33,863	33,800	33,747	33,706	33,706	33,687	33,684	33,693	33,729	33,801	33,904	33,875	33,841	33,817	33,820	33,837	33,741	1,293	65
Change in over previous year		-320	+758	+189	+152	+127	+44	+72	+117	+120	-6	-63	-53	-41	+0	-19	-3	+9	+36	+72	+103	-28	-34	-24	+3	+16	-95		

This report was compiled from a forecast produced on 10/09/2014 using POPGROUP software developed by Bradford Council, the University of Manchester and Andelin Associates

Population Estimates and Forecasts — High Peak June 2014

Components of Population Change — High Peak 420 dpa

Year beginning July 1st ……..

	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37
Births																										
Male	505	491	504	514	524	529	533	538	543	547	549	549	550	551	552	552	553	553	555	558	562	560	559	559	559	558
Female	481	468	480	489	499	504	508	512	517	521	523	523	524	525	526	526	526	527	529	531	535	534	533	532	533	531
All Births	987	959	985	1,003	1,022	1,032	1,041	1,050	1,060	1,067	1,072	1,073	1,074	1,076	1,078	1,078	1,079	1,080	1,084	1,089	1,096	1,094	1,092	1,092	1,092	1,089
TFR	1.98	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94
Births input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Deaths																										
Male	385	410	396	395	401	399	406	411	415	421	426	432	439	446	455	463	470	480	490	499	509	516	526	535	543	551
Female	415	441	418	413	414	416	413	418	420	423	427	430	436	442	450	456	463	472	482	494	501	509	519	527	533	542
All deaths	800	850	813	808	814	816	819	829	834	844	854	862	875	888	905	919	933	952	971	993	1,010	1,026	1,045	1,062	1,077	1,093
SMR: males	104.1	108.4	101.7	98.5	96.6	93.2	91.6	89.5	87.2	85.4	83.5	81.6	80.1	78.7	77.3	76.1	74.6	73.5	72.5	71.6	70.6	69.5	68.8	68.0	67.2	66.5
SMR: females	104.1	110.3	103.5	100.8	99.2	97.6	94.5	93.1	91.0	89.2	87.6	85.4	84.2	82.7	81.7	80.1	78.8	77.7	76.7	76.1	74.8	73.8	72.9	71.9	71.0	70.3
SMR: persons	104.1	109.4	102.6	99.6	97.9	95.4	93.0	91.3	89.1	87.3	85.5	83.4	82.1	80.6	79.5	78.0	76.6	75.5	74.5	73.7	72.6	71.6	70.8	69.9	69.0	68.3
Expectation of life: males	79.0	78.4	79.3	79.7	79.9	80.4	80.6	80.9	81.2	81.4	81.7	82.0	82.2	82.4	82.6	82.9	83.1	83.3	83.4	83.7	83.8	84.0	84.2	84.3	84.5	84.6
Expectation of life: females	83.1	82.5	83.2	83.4	83.6	83.8	84.1	84.3	84.5	84.7	84.9	85.2	85.3	85.5	85.7	85.9	86.0	86.2	86.4	86.5	86.7	86.8	86.9	87.1	87.3	87.4
Expectation of life: persons	81.1	80.5	81.3	81.6	81.8	82.1	82.4	82.6	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.7	84.9	85.1	85.3	85.4	85.6	85.7	85.9	86.0
Deaths input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from the UK																										
Male	1,601	1,806	1,802	1,783	1,769	1,756	1,771	1,781	1,782	1,787	1,761	1,776	1,795	1,805	1,802	1,815	1,834	1,854	1,864	1,882	1,771	1,777	1,783	1,789	1,794	1,640
Female	1,760	1,942	1,933	1,908	1,888	1,870	1,883	1,889	1,886	1,888	1,857	1,870	1,887	1,896	1,892	1,903	1,924	1,945	1,954	1,974	1,857	1,864	1,871	1,876	1,883	1,721
All	3,361	3,748	3,735	3,691	3,657	3,626	3,654	3,671	3,668	3,676	3,618	3,645	3,682	3,701	3,694	3,718	3,758	3,799	3,818	3,857	3,628	3,641	3,654	3,665	3,677	3,361
SMigR: males	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																										
Male	1,626	1,463	1,477	1,500	1,525	1,550	1,535	1,518	1,509	1,499	1,529	1,523	1,507	1,507	1,517	1,522	1,506	1,498	1,500	1,491	1,611	1,615	1,618	1,624	1,628	1,632
Female	1,765	1,581	1,599	1,616	1,639	1,660	1,648	1,632	1,623	1,605	1,625	1,605	1,590	1,590	1,603	1,596	1,589	1,581	1,591	1,586	1,711	1,718	1,726	1,731	1,736	1,741
All	3,391	3,044	3,075	3,116	3,164	3,210	3,183	3,150	3,132	3,104	3,154	3,127	3,097	3,096	3,121	3,118	3,096	3,079	3,092	3,078	3,322	3,333	3,344	3,355	3,364	3,373
SMigR: males	36.5	32.9	32.7	32.8	33.1	33.3	32.8	32.3	32.0	31.7	32.2	32.0	31.5	31.4	31.4	31.3	30.8	30.4	30.2	29.8	31.8	31.9	31.9	31.9	31.9	31.9
SMigR: females	39.3	35.3	35.3	35.3	35.5	35.7	35.4	34.9	34.6	34.2	34.5	34.0	33.6	33.4	33.5	33.1	32.8	32.3	32.2	31.8	33.9	34.0	34.0	34.1	34.1	34.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																										
Male	293	100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Female	322	89	89	89	93	90	91	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
All	615	189	189	189	198	192	193	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																										
Male	292	98	98	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
Female	345	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
All	636	175	175	176	175	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
SMigR: males	118.4	40.0	39.4	38.9	38.4	38.1	37.9	37.7	37.5	37.4	37.3	37.3	37.2	37.1	37.0	36.9	36.7	36.5	36.2	35.9	35.6	35.6	35.5	35.5	35.4	35.4
SMigR: females	179.7	40.2	39.6	39.3	38.8	38.4	38.3	38.1	38.0	38.0	38.0	38.0	38.1	38.0	38.0	37.9	37.8	37.6	37.3	37.0	36.6	36.6	36.6	36.6	36.6	36.5
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	-30	+704	+660	+575	+493	+415	+471	+521	+536	+572	+463	+518	+585	+605	+573	+600	+662	+721	+726	+779	+306	+308	+310	+310	+313	-12
Overseas	-21	+13	+14	+13	+22	+16	+17	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13	+13
Summary of population change																										
Natural change	+187	+108	+171	+195	+208	+217	+221	+221	+226	+224	+218	+211	+199	+188	+173	+159	+146	+128	+112	+95	+87	+69	+48	+29	+15	-4
Net migration	-51	+717	+674	+588	+516	+431	+489	+534	+549	+584	+476	+531	+598	+618	+586	+613	+675	+734	+739	+792	+319	+321	+323	+323	+326	+1
Net change	+136	+826	+845	+783	+723	+648	+710	+755	+775	+808	+694	+742	+797	+806	+759	+772	+821	+862	+851	+887	+406	+390	+370	+352	+341	-3
Crude Birth Rate /000	10.84	10.48	10.66	10.76	10.88	10.91	10.92	10.93	10.95	10.94	10.90	10.83	10.76	10.70	10.63	10.55	10.48	10.41	10.35	10.31	10.33	10.26	10.21	10.17	10.14	10.10
Crude Death Rate /000	8.79	9.29	8.81	8.67	8.67	8.62	8.60	8.63	8.62	8.64	8.68	8.70	8.77	8.83	8.93	9.00	9.06	9.17	9.28	9.41	9.51	9.62	9.77	9.90	10.00	10.14
Crude Net Migration Rate /000	-0.56	7.84	7.29	6.31	5.49	4.56	5.13	5.56	5.68	5.99	4.84	5.36	5.99	6.14	5.78	6.00	6.56	7.07	7.06	7.50	3.01	3.01	3.02	3.01	3.03	0.01

Summary of Population estimates/forecasts

Population at mid-year

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4	5,010	4,962	5,000	5,089	5,164	5,219	5,262	5,336	5,399	5,456	5,504	5,539	5,568	5,594	5,614	5,624	5,631	5,640	5,650	5,662	5,679	5,672	5,666	5,661	5,659	5,658	5,631
5-10	5,880	5,947	6,049	6,093	6,148	6,227	6,268	6,296	6,345	6,437	6,524	6,583	6,636	6,721	6,793	6,855	6,904	6,947	6,984	7,014	7,039	7,036	7,028	7,018	7,005	6,994	6,970
11-15	5,586	5,473	5,326	5,163	5,037	5,007	5,080	5,184	5,263	5,302	5,356	5,390	5,442	5,471	5,548	5,615	5,668	5,714	5,791	5,855	5,914	5,948	5,974	5,994	6,005	6,009	5,997
16-17	2,357	2,315	2,260	2,315	2,333	2,221	2,083	2,001	2,000	2,044	2,070	2,132	2,185	2,195	2,178	2,175	2,231	2,281	2,281	2,284	2,322	2,348	2,371	2,387	2,401	2,414	2,420
18-59Female, 64Male	53,128	52,846	53,202	53,495	53,707	53,943	54,058	54,081	54,037	54,040	53,973	53,892	53,757	53,728	53,714	53,628	53,561	53,528	53,566	53,717	53,904	53,762	53,700	53,689	53,740	53,827	53,756
60/65 -74	11,928	12,469	12,853	13,188	13,521	13,840	14,080	14,312	14,503	14,666	14,955	14,878	14,999	15,223	15,460	15,792	16,112	16,479	16,823	17,152	17,397	17,574	17,643	17,630	17,565	17,397	17,132
75-84	5,096	5,097	5,223	5,369	5,535	5,629	5,797	6,071	6,418	6,690	6,949	7,518	7,963	8,287	8,576	8,840	9,026	9,158	9,258	9,300	9,404	9,324	9,353	9,496	9,651	9,905	10,154
85+	1,997	2,009	2,030	2,076	2,127	2,209	2,315	2,371	2,442	2,548	2,659	2,754	2,877	3,007	3,148	3,259	3,428	3,636	3,892	4,112	4,323	4,725	5,044	5,275	5,475	5,638	5,779
Total	90,982	91,118	91,944	92,789	93,571	94,295	94,943	95,653	96,408	97,183	97,991	98,686	99,428	100,225	101,031	101,789	102,561	103,382	104,245	105,096	105,983	106,389	106,779	107,149	107,501	107,842	107,839
Dependency ratios, mean age and sex ratio																											
0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.50	0.51
0-15 and 65+ / 16-65	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.71	0.72	0.73	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.82
Median age males	41.4	41.9	42.1	42.4	42.6	42.8	43.0	43.0	43.0	42.9	42.7	42.7	42.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8	42.9	43.1	43.3	43.4	43.7
Median age females	42.8	43.2	43.5	43.8	44.0	44.3	44.5	44.7	44.8	44.9	45.0	44.9	44.9	44.8	44.8	44.9	45.0	45.0	44.9	44.9	44.9	45.0	45.1	45.3	45.4	45.5	45.7
Sex ratio males /100 females	96.9	97.1	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.2	98.2	98.3	98.3
Population impact of constraint																											
Number of persons	-256	-27	+521	+486	+384	+298	+226	+279	+308	+309	+332	+221	+274	+339	+355	+313	+326	+373	+424	+429	+478						
Households																											
Number of Households	38,958	39,184	39,596	40,009	40,421	40,833	41,245	41,657	42,069	42,481	42,893	43,305	43,717	44,129	44,541	44,953	45,366	45,778	46,190	46,602	47,014	47,249	47,491	47,725	47,945	48,158	48,243
Change in Households over previous	+126	+226	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+412	+235	+242	+235	+220	+213	+86
Number of supply units	40,624	40,860	41,289	41,719	42,149	42,578	43,008	43,438	43,867	44,297	44,727	45,157	45,586	46,016	46,446	46,875	47,305	47,735	48,164	48,594	49,024	49,269	49,521	49,766	49,995	50,216	50,306
Change in over previous year	+132	+236	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+430	+245	+252	+245	+229	+222	+89
Labour Force																											
Number of Labour Force	48,807	48,850	49,265	49,665	50,007	50,251	50,367	50,522	50,736	50,951	51,030	51,022	51,027	51,049	51,131	51,181	51,254	51,344	51,472	51,654	51,882	51,853	51,813	51,788	51,806	51,845	51,722
Change in Labour Force over previous year		+43	+415	+400	+341	+245	+116	+155	+215	+215	+79	-8	+5	+22	+82	+50	+73	+90	+128	+182	+229	-30	-40	-25	+18	+39	-124
Number of supply units	32,611	32,291	33,128	33,397	33,626	33,826	33,939	34,079	34,259	34,440	34,493	34,488	34,491	34,506	34,561	34,595	34,644	34,705	34,792	34,915	35,069	35,049	35,022	35,005	35,018	35,044	34,960
Change in over previous year		-320	+837	+269	+229	+200	+113	+140	+180	+181	+53	-6	+3	+15	+55	+34	+49	+61	+87	+123	+154	-20	-27	-17	+12	+26	-84

Population Estimates and Forecasts

Staffordshire Moorlands 430 dpa

Components of Population Change

Staffs Moor

Year beginning July 1st ……

	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*	*2016-17*	*2017-18*	*2018-19*	*2019-20*	*2020-21*	*2021-22*	*2022-23*	*2023-24*	*2024-25*	*2025-26*	*2026-27*	*2027-28*	*2028-29*	*2029-30*	*2030-31*	*2031-32*	*2032-33*	*2033-34*	*2034-35*	*2035-36*	*2036-37*
Births																										
Male	439	468	454	459	465	473	482	491	498	503	510	517	522	526	528	530	532	533	534	536	538	535	531	528	526	525
Female	418	446	432	437	443	450	459	467	474	479	486	492	497	501	503	505	507	508	509	510	513	509	506	503	501	500
All Births	857	915	887	896	908	923	940	958	972	982	997	1,009	1,018	1,026	1,031	1,035	1,039	1,041	1,043	1,046	1,051	1,044	1,037	1,031	1,027	1,024
TFR	1.76	1.90	1.91	1.91	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Births input	*																									
Deaths																										
Male	477	506	479	481	479	492	497	504	510	517	529	538	549	559	568	581	591	601	612	622	635	645	655	661	672	679
Female	532	552	503	503	506	519	519	523	529	538	546	551	560	567	576	585	595	605	614	626	638	647	653	663	673	682
All deaths	1,009	1,058	982	984	985	1,011	1,016	1,027	1,039	1,055	1,075	1,089	1,108	1,125	1,145	1,166	1,186	1,206	1,226	1,248	1,273	1,292	1,308	1,324	1,345	1,361
SMR: males	103.1	105.8	98.4	95.6	92.0	91.2	88.8	86.8	84.6	82.8	81.6	80.0	78.7	77.3	76.0	75.1	73.9	72.8	71.9	70.9	70.3	69.7	69.0	68.1	67.7	67.2
SMR: females	108.1	110.8	100.5	97.8	95.5	94.8	92.1	89.9	88.2	86.8	85.1	83.2	82.0	80.4	79.2	77.8	76.7	75.6	74.4	73.5	72.6	71.8	70.6	69.7	69.1	68.4
SMR: persons	105.7	108.3	99.5	96.7	93.7	93.0	90.4	88.4	86.4	84.8	83.4	81.6	80.3	78.8	77.6	76.4	75.3	74.2	73.1	72.2	71.5	70.7	69.8	68.9	68.4	67.8
Expectation of life: males	78.8	78.5	79.4	79.7	80.1	80.2	80.5	80.8	81.1	81.4	81.6	81.8	82.1	82.3	82.5	82.7	83.0	83.2	83.4	83.5	83.6	83.8	84.0	84.2	84.3	84.4
Expectation of life: females	82.6	82.4	83.3	83.6	83.9	83.9	84.2	84.4	84.6	84.8	85.0	85.3	85.4	85.6	85.8	86.0	86.1	86.3	86.5	86.6	86.8	86.9	87.1	87.2	87.3	87.5
Expectation of life: persons	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	83.0	83.2	83.4	83.7	83.9	84.1	84.3	84.5	84.7	84.8	85.0	85.2	85.3	85.4	85.6	85.8	85.9	86.0
Deaths input	*																									
In-migration from the UK																										
Male	1,780	1,431	1,910	1,931	1,942	1,969	1,982	1,931	1,891	1,948	1,924	1,915	1,907	1,876	1,900	1,904	1,888	1,900	1,924	1,946	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,538	2,049	2,069	2,076	2,102	2,112	2,054	2,007	2,063	2,034	2,022	2,012	1,979	2,004	2,010	1,996	2,011	2,040	2,064	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	2,969	3,960	4,001	4,018	4,072	4,095	3,985	3,898	4,011	3,958	3,937	3,919	3,855	3,904	3,913	3,884	3,910	3,964	4,010	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																										
Male	1,711	1,874	1,419	1,397	1,382	1,359	1,346	1,392	1,433	1,374	1,389	1,400	1,408	1,437	1,416	1,424	1,440	1,437	1,418	1,395	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	2,064	1,537	1,512	1,497	1,446	1,437	1,487	1,514	1,444	1,471	1,483	1,497	1,523	1,504	1,512	1,534	1,529	1,510	1,492	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,938	2,955	2,909	2,879	2,805	2,783	2,879	2,947	2,818	2,860	2,883	2,905	2,961	2,921	2,936	2,975	2,966	2,929	2,888	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	42.2	32.6	31.7	31.0	30.1	29.4	30.0	30.6	29.2	29.2	29.2	29.2	29.6	29.0	28.9	29.0	28.7	28.1	27.4	30.2	30.1	30.1	30.1	30.1	30.0
SMigR: females	42.3	46.1	35.4	34.4	33.7	32.2	31.6	32.2	32.6	31.0	31.2	31.2	31.2	31.6	31.0	30.9	31.1	30.7	30.1	29.5	32.4	32.5	32.5	32.5	32.5	32.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																										
Male	331	69	69	69	72	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Female	396	53	53	53	55	54	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
All	727	122	122	122	127	123	124	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																										
Male	372	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Female	303	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
All	676	100	100	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
SMigR: males	151.0	23.3	23.9	23.7	23.4	23.2	22.9	22.7	22.4	22.3	22.2	22.0	21.9	21.8	21.8	21.7	21.6	21.4	21.3	21.1	20.9	20.9	20.9	20.9	20.9	20.8
SMigR: females	160.9	23.2	24.1	23.9	23.6	23.3	23.0	22.7	22.5	22.4	22.2	22.1	22.0	21.9	21.9	21.8	21.8	21.7	21.6	21.4	21.2	21.3	21.3	21.3	21.4	21.4
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	+129	-969	+1,004	+1,092	+1,139	+1,266	+1,312	+1,106	+951	+1,193	+1,097	+1,054	+1,014	+895	+983	+977	+909	+944	+1,035	+1,122	+485	+494	+502	+507	+517	+524
Overseas	+51	+21	+21	+21	+27	+23	+24	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21
Summary of population change																										
Natural change	-152	-144	-96	-89	-77	-88	-75	-68	-67	-73	-79	-81	-90	-99	-114	-130	-147	-166	-183	-203	-222	-249	-271	-293	-318	-337
Net migration	+180	-948	+1,026	+1,113	+1,165	+1,289	+1,335	+1,127	+972	+1,214	+1,118	+1,075	+1,035	+916	+1,004	+998	+930	+965	+1,056	+1,143	+506	+515	+523	+528	+538	+545
Net change	+28	-1,092	+930	+1,025	+1,089	+1,201	+1,260	+1,059	+905	+1,140	+1,040	+994	+945	+816	+890	+868	+784	+800	+873	+940	+284	+266	+252	+235	+220	+207
Crude Birth Rate /000	8.81	9.46	9.18	9.18	9.21	9.25	9.31	9.38	9.42	9.42	9.47	9.49	9.49	9.49	9.45	9.42	9.39	9.34	9.28	9.24	9.23	9.15	9.07	9.00	8.94	8.90
Crude Death Rate /000	10.38	10.95	10.17	10.09	9.98	10.13	10.05	10.05	10.07	10.13	10.21	10.25	10.33	10.41	10.50	10.61	10.71	10.82	10.91	11.03	11.18	11.32	11.43	11.55	11.71	11.83
Crude Net Migration Rate /000	1.85	-9.80	10.62	11.41	11.82	12.92	13.22	11.03	9.42	11.65	10.62	10.11	9.65	8.47	9.21	9.08	8.40	8.66	9.40	10.09	4.44	4.51	4.57	4.61	4.68	4.73

Summary of Population estimates/forecasts

Population at mid-year

	2011	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*	*2025*	*2026*	*2027*	*2028*	*2029*	*2030*	*2031*	*2032*	*2033*	*2034*	*2035*	*2036*	*2037*
0-4	4,709	4,739	4,663	4,736	4,781	4,850	4,981	5,063	5,131	5,187	5,257	5,320	5,379	5,431	5,470	5,511	5,545	5,569	5,589	5,611	5,635	5,615	5,590	5,564	5,537	5,511	5,488
5-10	5,789	5,785	5,796	5,924	6,064	6,164	6,269	6,410	6,487	6,571	6,641	6,719	6,838	6,914	6,980	7,048	7,113	7,170	7,225	7,278	7,332	7,342	7,346	7,343	7,333	7,317	7,297
11-15	5,524	5,382	5,215	5,164	5,119	5,145	5,172	5,254	5,402	5,498	5,610	5,745	5,813	5,870	5,944	5,994	6,056	6,150	6,213	6,275	6,338	6,370	6,397	6,422	6,442	6,459	6,471
16-17	2,373	2,406	2,312	2,235	2,221	2,224	2,163	2,121	2,099	2,131	2,210	2,222	2,233	2,331	2,384	2,416	2,457	2,434	2,454	2,512	2,542	2,560	2,578	2,594	2,607	2,619	2,629
18-59Female, 64Male	54,281	53,653	52,394	52,580	52,889	53,178	53,587	53,944	54,222	54,337	54,513	54,713	54,853	54,859	54,807	54,863	54,876	54,829	54,764	54,872	55,027	54,765	54,642	54,550	54,477	54,459	54,496
60/65 -74	15,396	15,911	16,217	16,573	16,820	17,078	17,272	17,433	17,384	17,387	17,499	17,194	17,051	17,137	17,234	17,491	17,772	18,106	18,495	18,806	19,084	19,372	19,437	19,509	19,571	19,495	19,310
75-84	6,602	6,775	6,990	7,207	7,445	7,637	7,892	8,255	8,656	9,013	9,343	10,021	10,549	10,924	11,267	11,465	11,610	11,683	11,674	11,626	11,667	11,378	11,272	11,250	11,243	11,427	11,673
85+	2,535	2,586	2,559	2,657	2,760	2,911	3,054	3,169	3,327	3,489	3,681	3,860	4,071	4,265	4,461	4,649	4,876	5,147	5,475	5,781	6,077	6,583	6,988	7,273	7,529	7,672	7,803
Total	97,209	97,237	96,145	97,075	98,100	99,188	100,389	101,650	102,708	103,613	104,753	105,793	106,787	107,731	108,548	109,438	110,305	111,089	111,888	112,761	113,702	113,986	114,252	114,504	114,739	114,959	115,166
Dependency ratios, mean age and sex ratio																											
0-15 / 16-65	0.26	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32
65+ / 16-65	0.34	0.36	0.38	0.39	0.41	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59
0-15 and 65+ / 16-65	0.60	0.63	0.65	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.74	0.76	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.85	0.87	0.88	0.89	0.90	0.90
Median age males	43.7	44.3	44.8	45.1	45.3	45.6	45.8	46.0	46.1	46.3	46.3	46.2	46.1	45.9	45.8	45.7	45.6	45.5	45.5	45.4	45.3	45.3	45.4	45.4	45.5	45.7	45.8
Median age females	45.5	45.9	46.5	46.8	47.0	47.3	47.6	47.8	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.4	48.4	48.3	48.3	48.2	48.3	48.4	48.4	48.5	48.6	48.7
Sex ratio males /100 females	96.9	96.8	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
Population impact of constraint																											
Number of persons	+151	+28	-1,184	+785	+852	+870	+965	+998	+767	+584	+802	+693	+652	+612	+476	+556	+553	+469	+497	+577	+647						
Labour Force																											
Number of Labour Force	50,340	50,159	49,191	49,446	49,826	50,221	50,609	51,004	51,379	51,652	51,889	52,087	52,244	52,373	52,474	52,572	52,672	52,764	52,862	53,065	53,307	53,174	53,091	52,999	52,939	52,904	52,895
Change in Labour Force over pr	-131	-181	-968	+255	+379	+395	+388	+396	+374	+274	+237	+197	+158	+129	+101	+98	+100	+93	+98	+202	+242	-133	-83	-92	-60	-36	-9
Number of supply units	28,889	28,816	28,529	28,677	28,897	29,155	29,409	29,668	29,915	30,104	30,242	30,357	30,449	30,524	30,583	30,640	30,698	30,752	30,809	30,927	31,068	30,991	30,942	30,889	30,854	30,833	30,828
Change in over previous year	-382	-73	-287	+148	+220	+258	+254	+259	+247	+189	+138	+115	+92	+75	+59	+57	+58	+54	+57	+118	+141	-77	-49	-53	-35	-21	-5
Households																											
Number of Households	41,808	41,969	41,715	42,119	42,562	43,060	43,569	44,091	44,543	44,961	45,477	45,952	46,425	46,887	47,304	47,766	48,224	48,645	49,080	49,534	50,009	50,231	50,456	50,651	50,822	50,976	51,112
Change in Households over pre	+560	+162	-255	+405	+443	+499	+509	+522	+452	+419	+516	+475	+473	+462	+416	+462	+458	+422	+435	+454	+475	+222	+225	+194	+172	+153	+136
Number of supply units	43,641	43,809	43,543	43,966	44,428	44,948	45,479	46,024	46,496	46,932	47,471	47,967	48,461	48,943	49,377	49,860	50,338	50,778	51,231	51,706	52,201	52,433	52,668	52,871	53,050	53,210	53,353
Change in over previous year	+585	+169	-266	+422	+462	+520	+531	+545	+471	+437	+538	+496	+494	+482	+435	+483	+478	+440	+454	+474	+496	+232	+235	+203	+179	+160	+142

Population Estimates and Forecasts

Staffordshire Moorlands 210 dpa

Components of Population Change

Staffs Moor

Year beginning July 1st ……

	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*	*2016-17*	*2017-18*	*2018-19*	*2019-20*	*2020-21*	*2021-22*	*2022-23*	*2023-24*	*2024-25*	*2025-26*	*2026-27*	*2027-28*	*2028-29*	*2029-30*	*2030-31*	*2031-32*	*2032-33*	*2033-34*	*2034-35*	*2035-36*	*2036-37*
Births																										
Male	439	445	445	442	436	432	433	431	428	424	422	419	416	413	410	407	404	401	399	397	396	395	395	395	396	398
Female	418	424	424	421	415	412	413	410	407	404	402	399	396	393	390	387	385	382	380	378	377	376	376	377	378	379
All Births	857	869	869	863	851	844	846	841	835	828	823	819	813	806	800	794	789	784	779	775	773	771	771	772	774	777
TFR	1.78	1.83	1.84	1.84	1.82	1.81	1.82	1.82	1.82	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Births input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Deaths																										
Male	477	506	485	487	484	496	500	506	510	517	527	535	544	552	561	572	580	589	597	606	616	626	634	640	649	656
Female	532	552	510	509	510	520	517	518	523	529	535	538	544	550	558	565	573	582	589	599	608	617	624	634	644	652
All deaths	1,009	1,058	995	996	994	1,016	1,017	1,024	1,033	1,046	1,062	1,073	1,088	1,102	1,119	1,136	1,153	1,171	1,187	1,205	1,224	1,243	1,258	1,274	1,293	1,308
SMR: males	103.1	105.8	98.4	95.6	92.0	91.2	88.8	86.8	84.6	82.8	81.6	80.0	78.7	77.3	76.0	75.1	73.9	72.8	71.9	70.9	70.3	69.7	69.0	68.1	67.7	67.2
SMR: females	108.1	110.8	100.5	97.8	95.5	94.8	92.1	89.9	88.2	86.8	85.1	83.2	82.0	80.4	79.2	77.8	76.7	75.6	74.4	73.5	72.6	71.8	70.6	69.7	69.1	68.4
SMR: persons	105.7	108.3	99.5	96.7	93.7	93.0	90.4	88.4	86.4	84.8	83.3	81.6	80.3	78.8	77.6	76.4	75.2	74.2	73.1	72.2	71.4	70.7	69.8	68.9	68.4	67.8
Expectation of life: males	78.8	78.6	79.3	79.6	80.1	80.2	80.5	80.8	81.1	81.3	81.6	81.8	82.1	82.3	82.5	82.7	82.9	83.1	83.3	83.4	83.5	83.7	83.9	84.1	84.2	84.3
Expectation of life: females	82.6	82.4	83.4	83.7	83.9	84.0	84.3	84.5	84.7	84.9	85.1	85.3	85.5	85.7	85.9	86.1	86.2	86.4	86.6	86.7	86.8	86.9	87.1	87.2	87.4	87.5
Expectation of life: persons	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	83.0	83.2	83.4	83.7	83.9	84.1	84.3	84.5	84.6	84.8	85.0	85.1	85.2	85.4	85.5	85.7	85.8	86.0
Deaths input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from the UK																										
Male	1,780	1,717	1,721	1,726	1,732	1,736	1,741	1,745	1,749	1,753	1,755	1,756	1,758	1,761	1,765	1,769	1,774	1,779	1,784	1,789	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,845	1,846	1,849	1,852	1,853	1,855	1,856	1,857	1,857	1,856	1,855	1,855	1,857	1,861	1,868	1,875	1,883	1,891	1,897	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	3,561	3,567	3,575	3,583	3,589	3,596	3,602	3,606	3,610	3,611	3,611	3,612	3,618	3,626	3,637	3,650	3,662	3,676	3,686	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																										
Male	1,711	1,592	1,607	1,601	1,591	1,593	1,588	1,578	1,575	1,569	1,557	1,558	1,556	1,553	1,551	1,558	1,554	1,558	1,558	1,551	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	1,754	1,741	1,733	1,723	1,695	1,694	1,685	1,664	1,650	1,649	1,650	1,655	1,646	1,648	1,655	1,655	1,657	1,659	1,660	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,346	3,348	3,335	3,314	3,288	3,282	3,263	3,239	3,219	3,207	3,209	3,211	3,199	3,199	3,213	3,209	3,214	3,217	3,211	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	35.9	36.2	36.2	36.1	36.2	36.2	36.1	36.1	36.1	35.9	36.0	36.1	36.1	36.1	36.2	36.0	36.1	36.0	35.8	35.8	35.7	35.7	35.8	35.7	35.8
SMigR: females	42.3	39.2	39.2	39.2	39.3	38.9	39.1	39.1	38.9	38.7	38.8	38.9	39.0	38.9	38.9	39.0	39.0	39.0	38.9	38.9	38.8	38.9	38.9	38.9	38.9	39.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																										
Male	331	122	118	119	119	117	118	118	118	116	120	120	120	118	119	122	123	123	122	121	125	125	122	122	124	123
Female	396	106	107	107	112	109	104	104	105	104	104	104	103	104	101	103	103	103	105	105	108	107	105	106	103	103
All	727	228	225	226	231	226	222	222	223	220	224	224	223	222	220	225	226	226	227	226	233	232	227	228	227	226
SMigR: males	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																										
Male	372	110	105	107	103	104	104	106	106	104	107	108	108	106	107	110	111	110	110	109	113	113	110	110	112	110
Female	303	97	98	98	100	99	93	95	95	95	95	95	94	94	92	94	94	94	95	95	99	98	96	96	94	94
All	676	207	203	205	203	203	198	201	202	199	203	202	202	200	199	204	205	204	206	205	212	211	206	207	206	204
SMigR: males	151.0	45.0	43.4	44.4	42.9	43.5	44.0	44.9	45.2	44.8	46.3	46.7	46.9	46.5	47.0	48.6	48.9	48.8	48.6	48.2	49.8	49.8	48.3	48.3	49.0	48.4
SMigR: females	160.9	51.5	52.6	53.1	54.7	54.2	51.6	53.2	53.8	54.0	54.6	54.7	54.8	55.2	54.3	55.6	55.9	55.8	56.8	56.9	59.0	58.1	56.8	57.4	55.9	56.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	+129	+215	+219	+240	+269	+301	+314	+339	+367	+391	+404	+402	+402	+419	+427	+424	+441	+448	+459	+476	+485	+494	+502	+507	+517	+524
Overseas	+51	+22	+22	+21	+28	+24	+24	+21	+21	+21	+21	+21	+21	+22	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21
Summary of population change																										
Natural change	-152	-189	-126	-133	-142	-172	-172	-183	-198	-218	-239	-254	-276	-296	-319	-342	-364	-387	-408	-430	-452	-472	-487	-502	-519	-531
Net migration	+180	+237	+240	+262	+297	+325	+338	+360	+388	+412	+426	+423	+423	+440	+449	+445	+462	+469	+480	+497	+506	+515	+523	+529	+538	+545
Net change	+28	+48	+114	+129	+154	+153	+166	+177	+190	+195	+187	+169	+147	+145	+130	+103	+97	+82	+72	+67	+55	+43	+36	+27	+19	+14
Crude Birth Rate /000	8.81	8.94	8.92	8.85	8.72	8.63	8.64	8.57	8.50	8.41	8.34	8.29	8.21	8.13	8.06	7.99	7.93	7.87	7.81	7.77	7.74	7.72	7.72	7.73	7.75	7.77
Crude Death Rate /000	10.38	10.88	10.22	10.22	10.18	10.40	10.39	10.44	10.51	10.62	10.76	10.86	10.99	11.12	11.27	11.43	11.59	11.76	11.91	12.08	12.27	12.45	12.60	12.75	12.94	13.09
Crude Net Migration Rate /000	1.85	2.44	2.47	2.68	3.04	3.32	3.45	3.67	3.95	4.19	4.32	4.28	4.27	4.44	4.52	4.48	4.64	4.71	4.81	4.98	5.07	5.16	5.24	5.29	5.39	5.45

Summary of Population estimates/forecasts

Population at mid-year

	2011	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*	*2025*	*2026*	*2027*	*2028*	*2029*	*2030*	*2031*	*2032*	*2033*	*2034*	*2035*	*2036*	*2037*
0-4	4,709	4,739	4,706	4,685	4,622	4,565	4,559	4,540	4,517	4,493	4,471	4,450	4,424	4,396	4,368	4,339	4,311	4,282	4,254	4,229	4,206	4,187	4,172	4,161	4,157	4,159	4,167
5-10	5,789	5,785	5,863	5,952	6,048	6,099	6,139	6,170	6,140	6,127	6,074	6,019	6,012	5,992	5,966	5,937	5,910	5,884	5,851	5,817	5,782	5,748	5,715	5,683	5,652	5,625	5,603
11-15	5,524	5,382	5,260	5,178	5,100	5,096	5,086	5,127	5,245	5,308	5,370	5,467	5,493	5,463	5,461	5,427	5,383	5,375	5,362	5,342	5,321	5,300	5,278	5,251	5,223	5,193	5,165
16-17	2,373	2,406	2,322	2,224	2,194	2,184	2,110	2,050	2,016	2,042	2,113	2,112	2,102	2,191	2,231	2,234	2,267	2,233	2,200	2,206	2,204	2,195	2,185	2,180	2,176	2,166	2,154
18-59Female, 64Male	54,281	53,653	53,242	52,868	52,565	52,228	51,947	51,597	51,335	51,033	50,645	50,366	50,061	49,651	49,271	48,955	48,586	48,213	47,811	47,515	47,185	46,870	46,679	46,502	46,332	46,213	46,145
60/65 -74	15,396	15,911	16,269	16,578	16,772	16,975	17,101	17,195	17,086	17,034	17,085	16,723	16,526	16,545	16,583	16,774	16,987	17,250	17,568	17,804	18,008	18,257	18,290	18,338	18,378	18,276	18,065
75-84	6,602	6,775	7,013	7,200	7,410	7,570	7,792	8,120	8,492	8,830	9,124	9,759	10,250	10,599	10,917	11,082	11,196	11,244	11,209	11,129	11,137	10,848	10,733	10,689	10,657	10,820	11,039
85+	2,535	2,586	2,611	2,715	2,817	2,965	3,101	3,201	3,346	3,501	3,681	3,854	4,051	4,229	4,414	4,593	4,805	5,061	5,369	5,654	5,920	6,414	6,809	7,092	7,348	7,490	7,619
Total	97,209	97,237	97,285	97,399	97,528	97,682	97,835	98,001	98,178	98,368	98,563	98,750	98,919	99,067	99,211	99,341	99,445	99,542	99,624	99,696	99,763	99,818	99,861	99,897	99,924	99,943	99,957
Dependency ratios, mean age and sex ratio																											
0-15 / 16-65	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
65+ / 16-65	0.34	0.36	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.60	0.61	0.62	0.63	0.65	0.65
0-15 and 65+ / 16-65	0.60	0.63	0.65	0.66	0.68	0.69	0.70	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.83	0.84	0.86	0.87	0.88	0.90	0.91	0.92	0.94	0.94
Median age males	43.7	44.3	44.7	45.1	45.5	45.9	46.3	46.6	47.0	47.3	47.6	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.4	48.4	48.4
Median age females	45.5	45.9	46.3	46.7	47.2	47.6	48.0	48.4	48.9	49.2	49.6	49.9	50.2	50.5	50.7	50.9	51.1	51.2	51.3	51.4	51.4	51.5	51.6	51.7	51.8	51.9	52.0
Sex ratio males /100 females	96.9	96.8	97.0	97.1	97.2	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.1
Population impact of constraint																											
Number of persons	+151	+28	+0	+0	+0	+1	+1	+0	+0	+0	+0	+0	+0	+1	+1	+1	+0	+0	+0	+0	+0	+0	+0	+0	+1	+1	+1
Households																											
Number of Households	41,808	41,969	42,104	42,276	42,454	42,671	42,848	43,016	43,186	43,358	43,542	43,716	43,902	44,083	44,264	44,462	44,648	44,826	45,005	45,170	45,325	45,448	45,578	45,677	45,761	45,832	45,889
Change in Households over pre	+560	+162	+135	+171	+178	+217	+177	+169	+169	+172	+184	+174	+186	+181	+181	+198	+186	+178	+180	+164	+155	+123	+129	+99	+84	+71	+56
Number of supply units	43,641	43,809	43,950	44,129	44,315	44,542	44,726	44,902	45,079	45,259	45,451	45,632	45,826	46,015	46,204	46,411	46,606	46,791	46,978	47,150	47,312	47,441	47,576	47,680	47,767	47,842	47,900
Change in over previous year	+585	+169	+141	+179	+186	+227	+184	+176	+177	+180	+192	+182	+194	+189	+189	+207	+194	+185	+187	+172	+162	+129	+135	+104	+88	+74	+59
Labour Force																											
Number of Labour Force	50,340	50,159	49,912	49,720	49,565	49,404	49,174	48,933	48,809	48,702	48,429	48,180	47,924	47,661	47,453	47,200	46,944	46,721	46,481	46,290	46,092	45,887	45,734	45,564	45,417	45,287	45,177
Change in Labour Force over pr	-131	-181	-248	-192	-155	-161	-230	-241	-123	-107	-273	-250	-256	-262	-208	-253	-256	-223	-240	-191	-198	-205	-154	-170	-147	-131	-109
Number of supply units	28,889	28,816	28,947	28,836	28,746	28,681	28,575	28,463	28,419	28,385	28,226	28,080	27,931	27,778	27,657	27,509	27,360	27,230	27,090	26,979	26,863	26,744	26,655	26,556	26,470	26,394	26,330
Change in over previous year	-382	-73	+131	-111	-90	-65	-105	-112	-44	-35	-159	-146	-149	-153	-121	-148	-149	-130	-140	-111	-116	-119	-90	-99	-85	-76	-64

Population Estimates and Forecasts NLP

Components of Population Change Staffordshire Moorlands 300 dpa

Year beginning July 1st ……..

	2011-12	*2012-13*	*2013-14*	*2014-15*	*2015-16*	*2016-17*	*2017-18*	*2018-19*	*2019-20*	*2020-21*	*2021-22*	*2022-23*	*2023-24*	*2024-25*	*2025-26*	*2026-27*	*2027-28*	*2028-29*	*2029-30*	*2030-31*	*2031-32*	*2032-33*	*2033-34*	*2034-35*	*2035-36*	*2036-37*
Births																										
Male	439	468	473	474	476	476	477	479	479	480	481	482	481	480	479	477	476	474	473	472	472	470	469	468	469	470
Female	418	446	451	452	453	453	454	456	457	458	458	459	458	457	456	455	453	451	450	450	450	448	447	446	446	447
All Births	857	915	924	926	928	929	932	934	936	938	939	940	939	938	936	932	929	926	923	922	922	918	916	914	915	917
TFR	1.76	1.90	1.91	1.91	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
Births input	.																									
Deaths																										
Male	477	506	483	484	480	492	496	501	506	513	524	532	541	550	559	571	580	589	599	609	620	630	639	646	656	663
Female	532	552	509	508	508	519	516	518	524	531	537	541	549	555	564	571	581	590	598	609	620	629	636	646	656	665
All deaths	1,009	1,058	992	991	989	1,011	1,012	1,020	1,029	1,044	1,061	1,073	1,090	1,105	1,123	1,142	1,160	1,180	1,197	1,218	1,240	1,259	1,275	1,292	1,312	1,328
SMR: males	103.1	105.8	98.4	95.6	92.0	91.2	88.8	86.8	84.6	82.8	81.6	80.0	78.7	77.3	76.0	75.1	73.9	72.8	71.9	70.9	70.3	69.7	69.0	68.1	67.7	67.2
SMR: females	108.1	110.8	100.5	97.8	95.5	94.8	92.1	89.9	88.2	86.8	85.1	83.2	82.0	80.4	79.2	77.8	76.7	75.6	74.4	73.5	72.6	71.8	70.6	69.7	69.1	68.4
SMR: persons	105.7	108.3	99.5	96.7	93.7	93.0	90.4	88.4	86.4	84.8	83.3	81.6	80.3	78.8	77.6	76.4	75.3	74.2	73.1	72.2	71.5	70.7	69.8	68.9	68.4	67.8
Expectation of life: males	78.8	78.5	79.4	79.7	80.1	80.2	80.5	80.8	81.1	81.3	81.6	81.8	82.1	82.3	82.5	82.7	83.0	83.2	83.4	83.5	83.6	83.8	84.0	84.2	84.3	84.4
Expectation of life: females	82.6	82.4	83.4	83.6	83.9	83.9	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.1	86.3	86.5	86.6	86.8	86.9	87.1	87.2	87.3	87.5
Expectation of life: persons	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	83.0	83.2	83.4	83.7	83.9	84.1	84.3	84.5	84.6	84.8	85.0	85.1	85.3	85.4	85.6	85.8	85.9	86.0
Deaths input	.																									
In-migration from the UK																										
Male	1,780	1,843	1,815	1,810	1,779	1,811	1,819	1,818	1,818	1,808	1,817	1,810	1,813	1,815	1,805	1,817	1,827	1,829	1,845	1,854	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,981	1,947	1,939	1,902	1,933	1,938	1,933	1,929	1,916	1,922	1,912	1,913	1,914	1,904	1,918	1,931	1,935	1,956	1,965	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	3,824	3,762	3,748	3,681	3,743	3,756	3,750	3,747	3,724	3,739	3,722	3,726	3,729	3,709	3,734	3,757	3,764	3,801	3,819	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Out-migration to the UK																										
Male	1,711	1,467	1,513	1,518	1,544	1,519	1,510	1,506	1,506	1,514	1,495	1,504	1,501	1,498	1,511	1,511	1,502	1,508	1,497	1,488	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	1,616	1,640	1,643	1,672	1,615	1,611	1,608	1,592	1,591	1,584	1,593	1,596	1,588	1,605	1,605	1,600	1,604	1,594	1,591	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,083	3,153	3,161	3,216	3,134	3,122	3,114	3,098	3,105	3,079	3,098	3,098	3,087	3,116	3,115	3,101	3,113	3,092	3,079	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	33.1	33.8	33.7	34.2	33.6	33.3	33.1	33.0	33.1	32.7	32.8	32.7	32.6	32.8	32.6	32.3	32.3	31.9	31.5	32.7	32.6	32.5	32.5	32.4	32.4
SMigR: females	42.3	36.1	36.5	36.5	37.1	36.0	35.8	35.7	35.4	35.4	35.2	35.3	35.3	35.0	35.3	35.1	34.9	34.8	34.4	34.1	35.3	35.3	35.3	35.3	35.3	35.2
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from Overseas																										
Male	331	69	69	69	72	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Female	396	53	53	53	55	54	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
All	727	122	122	122	127	123	124	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Out-migration to Overseas																										
Male	372	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Female	303	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
All	676	100	100	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101
SMigR: males	151.0	23.3	23.2	23.2	23.1	23.2	23.2	23.1	23.1	23.1	23.2	23.2	23.2	23.3	23.3	23.3	23.2	23.2	23.1	23.0	22.8	22.8	22.7	22.7	22.6	22.6
SMigR: females	160.9	23.2	23.2	23.2	23.1	23.2	23.3	23.3	23.4	23.4	23.5	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.7	23.5	23.5	23.5	23.5	23.5	23.5
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Migration - Net Flows																										
UK	+129	+741	+609	+588	+465	+609	+635	+637	+649	+619	+660	+624	+628	+642	+593	+619	+656	+651	+709	+740	+485	+494	+502	+507	+517	+524
Overseas	+51	+21	+21	+21	+27	+23	+24	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21	+21
Summary of population change																										
Natural change	-152	-144	-68	-65	-60	-82	-80	-85	-93	-106	-122	-133	-151	-167	-188	-210	-232	-254	-275	-296	-318	-341	-360	-377	-397	-411
Net migration	+180	+762	+630	+609	+492	+632	+658	+657	+670	+640	+681	+645	+649	+663	+614	+640	+677	+672	+730	+761	+506	+515	+523	+528	+538	+545
Net change	+28	+618	+562	+543	+431	+550	+578	+572	+576	+534	+559	+512	+498	+496	+426	+430	+445	+418	+455	+465	+188	+173	+163	+151	+141	+133
Crude Birth Rate /000	8.81	9.38	9.42	9.38	9.36	9.32	9.29	9.27	9.23	9.20	9.16	9.13	9.07	9.01	8.96	8.88	8.81	8.75	8.69	8.64	8.61	8.56	8.53	8.51	8.50	8.51
Crude Death Rate /000	10.38	10.85	10.11	10.05	9.97	10.14	10.10	10.11	10.15	10.24	10.35	10.42	10.53	10.62	10.75	10.89	11.01	11.15	11.27	11.42	11.59	11.75	11.88	12.01	12.19	12.32
Crude Net Migration Rate /000	1.85	7.81	6.42	6.17	4.96	6.34	6.57	6.52	6.61	6.27	6.65	6.26	6.27	6.38	5.87	6.10	6.43	6.36	6.87	7.13	4.73	4.80	4.87	4.91	5.00	5.05

Summary of Population estimates/forecasts

Population at mid-year

	2011	*2012*	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*	*2023*	*2024*	*2025*	*2026*	*2027*	*2028*	*2029*	*2030*	*2031*	*2032*	*2033*	*2034*	*2035*	*2036*	*2037*
0-4	4,709	4,739	4,790	4,850	4,870	4,894	4,976	5,000	5,015	5,028	5,036	5,045	5,049	5,051	5,051	5,044	5,035	5,024	5,011	5,001	4,993	4,970	4,948	4,930	4,917	4,909	4,907
5-10	5,789	5,785	5,895	6,006	6,123	6,191	6,260	6,361	6,411	6,475	6,502	6,539	6,612	6,639	6,656	6,665	6,672	6,678	6,679	6,680	6,678	6,659	6,636	6,610	6,582	6,555	6,528
11-15	5,524	5,382	5,284	5,219	5,154	5,153	5,154	5,209	5,338	5,420	5,509	5,624	5,671	5,708	5,768	5,796	5,830	5,898	5,927	5,946	5,961	5,960	5,956	5,949	5,940	5,927	5,912
16-17	2,373	2,406	2,341	2,254	2,235	2,229	2,157	2,105	2,075	2,103	2,171	2,175	2,180	2,271	2,318	2,342	2,377	2,349	2,360	2,412	2,432	2,440	2,447	2,450	2,451	2,450	2,447
18-59Female, 64Male	54,281	53,653	53,612	53,521	53,474	53,285	53,231	53,110	53,061	52,963	52,741	52,641	52,483	52,224	52,001	51,794	51,566	51,350	51,092	50,983	50,880	50,619	50,491	50,390	50,303	50,267	50,277
60/65 -74	15,396	15,911	16,309	16,647	16,870	17,094	17,253	17,377	17,297	17,280	17,355	17,017	16,846	16,900	16,971	17,190	17,431	17,729	18,080	18,350	18,586	18,854	18,900	18,955	19,000	18,908	18,715
75-84	6,602	6,775	7,032	7,239	7,464	7,637	7,875	8,221	8,610	8,958	9,269	9,934	10,444	10,804	11,136	11,319	11,450	11,514	11,492	11,430	11,454	11,166	11,060	11,033	11,020	11,193	11,423
85+	2,535	2,586	2,593	2,681	2,772	2,909	3,037	3,137	3,285	3,441	3,619	3,788	3,988	4,174	4,365	4,544	4,762	5,027	5,345	5,639	5,921	6,426	6,829	7,114	7,369	7,514	7,647
Total	97,209	97,237	97,855	98,418	98,961	99,393	99,942	100,520	101,092	101,668	102,202	102,761	103,273	103,771	104,267	104,693	105,123	105,568	105,986	106,442	106,906	107,094	107,268	107,431	107,582	107,722	107,856
Dependency ratios, mean age and sex ratio																											
0-15 / 16-65	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65	0.34	0.36	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62
0-15 and 65+ / 16-65	0.60	0.63	0.64	0.66	0.68	0.69	0.70	0.71	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.83	0.84	0.85	0.86	0.88	0.89	0.90	0.91	0.92	0.93
Median age males	43.7	44.3	44.6	44.9	45.2	45.5	45.9	46.2	46.4	46.6	46.8	46.9	46.9	46.8	46.8	46.7	46.7	46.7	46.7	46.6	46.6	46.6	46.6	46.7	46.7	46.8	46.9
Median age females	45.5	45.9	46.2	46.5	46.9	47.3	47.6	48.0	48.3	48.6	48.8	49.1	49.3	49.4	49.5	49.6	49.6	49.7	49.7	49.7	49.7	49.8	49.9	50.0	50.0	50.1	50.1
Sex ratio males /100 females	96.9	96.8	96.9	97.0	97.1	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.3
Population impact of constraint																											
Number of persons	+151	+28	+526	+390	+347	+196	+308	+321	+298	+282	+228	+256	+222	+227	+224	+165	+195	+216	+204	+251	+264						
Households																											
Number of Households	41,808	41,969	42,263	42,557	42,851	43,145	43,439	43,733	44,027	44,321	44,615	44,909	45,203	45,497	45,791	46,085	46,379	46,673	46,967	47,262	47,556	47,726	47,901	48,048	48,177	48,292	48,393
Change in Households over previous	+560	+162	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+294	+170	+175	+147	+130	+115	+101
Number of supply units	43,641	43,809	44,116	44,423	44,730	45,037	45,344	45,651	45,958	46,264	46,571	46,878	47,185	47,492	47,799	48,106	48,413	48,720	49,027	49,334	49,640	49,818	50,001	50,154	50,289	50,410	50,514
Change in over previous year	+585	+169	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+307	+178	+182	+154	+135	+120	+105
Labour Force																											
Number of Labour Force	50,340	50,159	50,235	50,292	50,365	50,342	50,313	50,280	50,355	50,431	50,312	50,230	50,117	50,002	49,940	49,798	49,675	49,606	49,522	49,521	49,525	49,372	49,274	49,168	49,091	49,034	48,997
Change in Labour Force over previo	-131	-181	+75	+57	+73	-24	-29	-32	+74	+76	-119	-81	-113	-115	-62	-141	-123	-69	-84	-1	+4	-153	-98	-106	-77	-57	-36
Number of supply units	28,889	28,816	29,134	29,167	29,210	29,225	29,237	29,247	29,319	29,392	29,323	29,275	29,209	29,142	29,106	29,024	28,952	28,911	28,862	28,862	28,865	28,775	28,718	28,656	28,611	28,578	28,557
Change in over previous year	-382	-73	+318	+33	+43	+15	+12	+10	+72	+73	-69	-47	-66	-67	-36	-82	-72	-40	-49	-0	+2	-89	-57	-62	-45	-33	-21