Nathaniel Lichfield & Partners
Planning. Design. Economics.

Housing Needs Study
2012-based SNPP Update

High Peak Borough Council and
Staffordshire Moorlands District Council

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1.0 Introduction

Background to the Study

1.1 Nathaniel Lichfield and Partners [NLP] produced a Strategic Housing Market Assessment [SHMA] on behalf of the two local authorities of High Peak Borough Council [HPBC] and Staffordshire Moorlands District Council [SMDC] 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. This sought to provide the Councils with evidence on the future housing need of their districts to help them plan for future growth and make informed policy choices on the level of housing requirement through the development plan preparation process.

1.2 Taking into account 10 main scenarios and a number of sensitivity tests modelled through NLP's HEaDROOM housing framework, the analysis recommended an OAN housing requirement of between 420 dwellings per annum [dpa] and 470 dpa over the 20-year plan period (2011-2031) in High Peak Borough, and between 260-440 dpa in Staffordshire Moorlands District over the same time period.

1.3 In defining the two housing OAN ranges, full reference was made to the Practice Guidance (March 2014), which clarifies the position on how the Framework should be interpreted and applied. It confirms that an assessment of need must fulfil the following criteria:

1 Based on facts and unbiased evidence. Plan makers should not apply constraints to the overall assessment of need;

2 Up-to-date household projections published by the CLG should provide the starting point estimate of overall housing need; and,

3 The housing need number suggested by household projections (the starting point) should be adjusted to reflect local demographic factors, employment trends as well as appropriate market signals including market indicators of the balance between the demand for and supply of dwellings.

1.4 The approach taken to setting housing requirements must therefore be grounded in the background evidence of 'need' within an area, and this evidence must be sound and robust to inform the strategy making process, which will identify the housing 'requirement'.

1.5 Following the submission of the SHMA, the demographic data which underpinned NLP's modelling work was updated by ONS.

1.6 This new data, the 2012-based Sub-National Population Projections [SNPP], was published by ONS on 29th May 2014. It replaces[1] the 2011-based (interim) SNPP equivalents (published in September 2013). The latest projections are based on the 2012 mid-year population estimates published in June 2013 (which are themselves rolled forward from the 2011 mid-year population estimates and ultimately the 2011 Census) and a set of underlying demographic assumptions regarding fertility, mortality and migration, based on local trends.

1.7 As with previous projections, the 2012-based SNPP are not forecasts and do not attempt to predict the impact that future government or local policies, changing economic circumstances or other factors might have on demographic behaviour[2]. However, unlike the 2008-based and 2010-based SNPPs, the trends for the 2012-based projections are able to fully take into account information from the 2011 Census.

1.8 The data is also considered to be more robust than its immediate predecessor, the 2011-based (interim) SNPP, as the latter assumed a continuation of the estimated trends in fertility, mortality and migration as used in the 2010-based SNPP. The trends from the 2010-based projections were used because a revised historic data series was not available to update the assumptions.

1.9 As described in the user guidance section of the ONS's 2011-based SNPP Statistical Bulletin (2012), the robustness of the data was limited as[3]:

1 The fertility rates used to set the assumptions are based on birth registrations and population estimates up to 2010. However, population estimates for women of childbearing age were too low over the decade to mid-2010, as the 2011 Census showed more women aged 16 to 44 than estimates rolled forward from the 2001 Census. This means the fertility rates used to set the 2010-based SNPP assumptions were too high, leading to an over-projection of births at the national level;

2 There was a similar issue with the mortality rates, since the number of older people (who are most affected by mortality rates), was estimated to be lower in the 2011 mid-year estimates than in the estimates rolled forward from the 2001 Census. The impact was not as great for deaths as for births, but it also resulted in a projected increase in the population;

3 Differences in the age structure at local authority level also resulted in changes to projected levels of internal migration. This is because migration rates based on historic trend data were applied to the new population base. Where the size and structure of the new population base in a local authority was very different from the 2010-based

[1]ONS (29 May 2014): 2012-based Subnational Population Projections for England: Statistical Bulletin page 1

[2]Ibid, page 2

[3] ONS (28 September 2012): Interim 2011-based SNPP for England, pages 2-3

projections for 2011, particularly at ages most likely to migrate, the applied migration rate over or under-estimated the number of people moving from an area.

1.10 As such, the ability of the 2012-based SNPP to incorporate not only the 2011 Census, but also updated demographic assumptions concerning fertility, mortality and migration, makes it significantly more robust for the purposes of demographic modelling.

1.11 **In this regard, they can be considered to provide the best estimates of the future population of English regions and local authorities currently available.**

1.12 This supporting statement tests the ongoing validity of the housing requirements identified in the original SHMA in the light of the 2012-based SNPP. This will ensure that the evidence base upon which the respective Councils' Local Plans are to be founded is as robust as possible moving forward to their respective EiPs.

1.13 This report does not seek to replicate the contextual or affordable housing analysis undertaken in the SHMA, but instead focuses on the following:

1 An analysis of the latest demographic and population releases for the two districts, specifically the 2012-based SNPP, and how these forecasts compare with the data underpinning the SHMA;

2 Remodelling the 10 scenarios (and accompanying sensitivities) using the data within the 2012-based SNPP; and,

3 An overview exploring the reasons behind any significant changes to the forecasts and the extent to which the previous forecasts underpinning the recommended OAN for housing in either district remain valid.

2.0 Factors Underpinning Population Change

Introduction

2.1 This section provides an overview and comparison of the 2008 / 2010 / 2011 and 2012-based SNPP datasets ahead of a re-run of the PopGroup modelling work to examine any practical differences that could impact upon the housing requirements of the two districts.

2.2 In deriving the SNPP, the projected local authority population for each year is initially calculated by ageing on the population for the previous year, applying assumed local fertility and mortality rates to calculate the number of projected births and deaths, and then adjusting for migration into and out of each local authority. Local authority-assumed levels of fertility, mortality and migration are derived from observed values during the previous five years (six years for international migration) and are constrained to the assumptions made in the 2012-based national projections. Finally, the SNPPs are constrained to the national population projections for England[4].

2.3 Essentially then, the 2012-based SNPP is based predominantly on the last five years' population estimates and components of population change for each local authority. If an area was/is experiencing a change in its estimates of population during the trend period, this might not be fully reflected in the assumptions being used for future years as the five-year averaging process has a dampening effect on such changes[5].

Population Change

2.4 It might be expected that the various population projections would be different due to the differing inputs and timeframes used. However, substantive differences may to be due to the following:

1 changes in the population estimate used as the base year;

2 changes in the trends (births, deaths and migration); and,

3 changes in assumptions for international migration at a national level[6].

2.5 Table 2.1 sets out the 2011 Mid-Year population estimates for High Peak and Staffordshire Moorlands districts, rolled forward from the 2011 Census. This indicates that the ONS considered that High Peak's resident population would increase by 3.8%, or almost 3,400 residents, over the ten years following the

[4] 2012-based SNPP for England Statistical Bulletin 29 May 2012 page 12

[5] ibid

[6] ONS Questions and Answers: 2012-based Subnational Population Projections page 5 29th May 2014

2001 Census. The projected growth for Staffordshire Moorlands was lower, at less than 1% (880 additional residents).

Table 2.1 Changes in population estimates – 2011

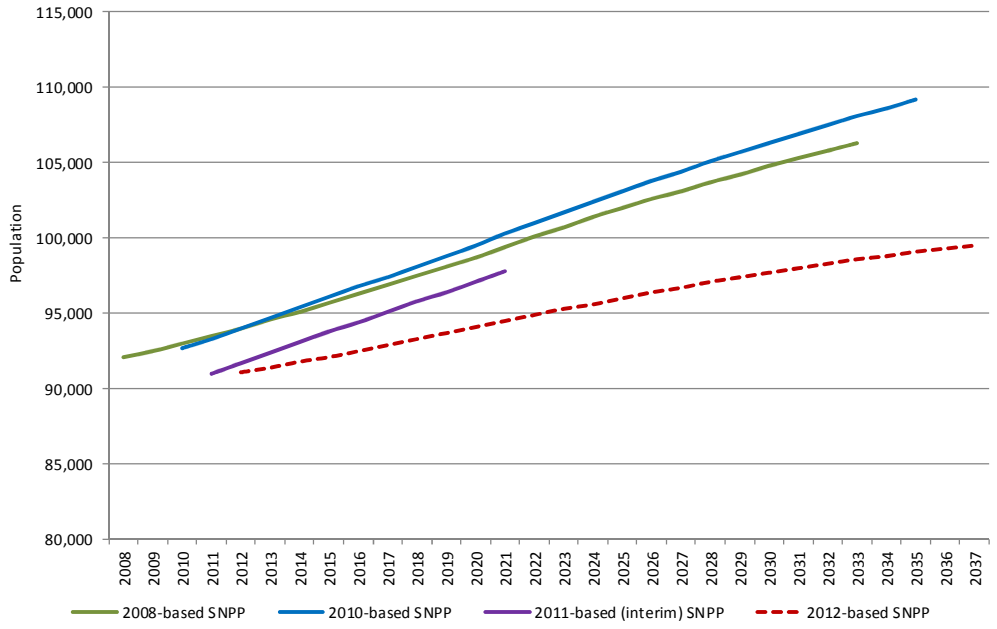
Resident Population	Mid 2001 Census-based (official)	Mid 2011 rolled forward estimate	Mid-2011 Census-based (official) estimate	Difference between 2011 MYE and Census
High Peak Borough	89,400	92,797	90,982	+1,815
Staffordshire Moorlands District	94,555	95,435	97,209	-1,774

Source: ONS Components of difference underlying the revised mid-2002 to mid-2010 population estimates (30th April 2013)

2.6 The implications of this over/under estimation of HPBC's population are clearly indicated in Figure 2.1. This presents the trajectory of population growth in High Peak derived from the 2008/2010/2011 and 2012-based SNPPs. Figure 2.2 presents the same data for Staffordshire Moorlands District.

2.7 Figure 2.1 and Table 2.2 show that for High Peak, both the 2008 and 2010-based SNPPs start from a much higher population base in 2011 and continue at a steep trajectory, resulting in an increase of 11,300 and 12,900 residents respectively over the period 2012 to 2031. The 2011-based (interim) SNPP, although rebased to align with the much lower 2011 Census data, continues to grow at almost the same trajectory as the 2010-based SNPP. This might be expected given that it uses many of the same data sources, including the 2010-based SNPP's Total Fertility Rates [TFR], Standard Mortality Rates [SMR] and Age Specific Mortality Rates [ASMigR).

Figure 2.1 Comparison ONS 2008/2010/2011/2012 based SNPPs for High Peak Borough

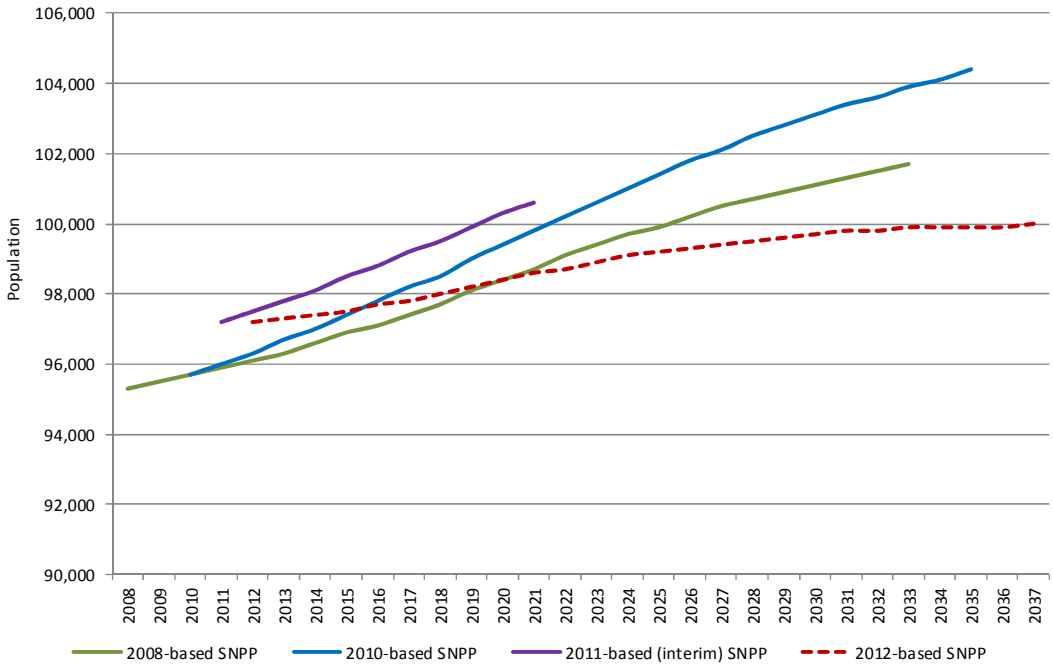


Source: NLP Analysis / ONS 2008/2010/2011/2012-based sub-national population projections

2.8 The projected growth in the 2011-based SNPP, of 6,100 residents between 2012 and 2021, is almost double the level of growth projected by the latest 2012-based SNPP (+3,400 residents 2012 to 2021) despite starting from a similar base. The latest projections diverge further and further away from the other SNPPs as time progresses.

2.9 Figure 2.2 presents a similar picture for Staffordshire Moorlands, albeit the 2012 starting point is considerably higher than for the 2008-based SNPP and 2010-based SNPP equivalents. However, whilst these historic projections increase by 5,200 and 7,100 respectively between 2012 and 2031, Table 2.2 indicates that the latest 2012-based SNPP increase by only 2,600 over that time period.

Figure 2.2 Comparison ONS 2008/2010/2011/2012 based SNPPs for Staffordshire Moorlands District



Source: NLP Analysis / ONS 2008/2010/2011/2012-based sub-national population projections

Table 2.2 Comparison of Population Projections

		2008-Based SNPP	2010-Based SNPP	2011-Based SNPP (Interim)	2012-Based SNPP
High Peak	**2012**	94,000	94,000	91,700	91,100
	2021	99,400	100,300	97,800	94,500
	2031	105,300	106,900	-	98,000
	Dif 2012-21	**+5,400**	**+6,300**	**+6,100**	**+3,400**
	Dif 2012-31	**+11,300**	**+12,900**	**-**	**+6,900**
Staffordshire Moorlands	**2012**	96,100	96,300	97,500	97,200
	2021	98,700	99,800	100,600	98,600
	2031	101,300	103,400	-	99,800
	Dif 2012-21	**+2,600**	**+3,500**	**+3,100**	**+1,400**
	Dif 2012-31	**+5,200**	**+7,100**	**-**	**+2,600**

Source: ONS 2008, 2010, 2011 and 2012-based SNPPs

2.10 As the 2008/2011 SNPPs informed the CLG's 2008/2011-based household projections, and also much of the modelling informing the 2014 SHMAs for both districts, it is clear that this will have significant consequences for the revised housing modelling work.

2.11 Figure 2.3 and Figure 2.4 present population 'trees', comparing the age profile of the two districts in 2012 and 2031 using the data within the 2010-based SNPP and the 2012-based SNPPs. Both districts show a distinct ageing of the population, with the number of residents over the age of 75 increasing substantially, with a less pronounced 'bulge' of residents in their forties by 2031.

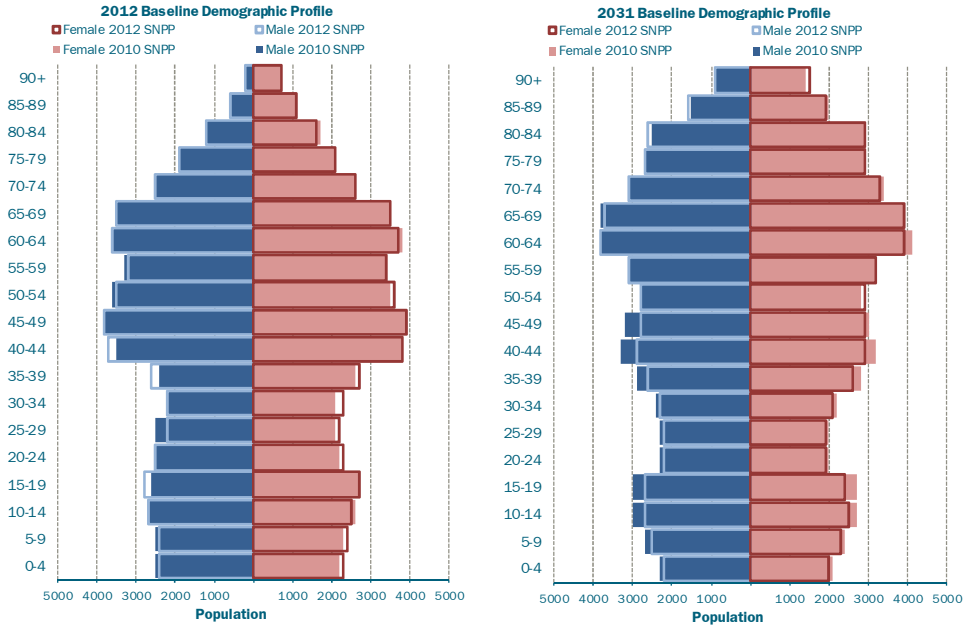
2.12 For the purposes of the modelling work, it is clear that for High Peak, the earlier projections over-estimated the number of both men and women in the 40-49 age cohorts, with the difference becoming more pronounced by 2031.

2.13 For Staffordshire Moorlands, where the earlier Mid-Year estimates had under-estimated the level of population growth revealed in the 2011 Census, there is a less obvious discrepancy in 2012, although again by 2031 there are fewer residents in the 40-49 age bracket in the latest projections, and also (in common with High Peak) in the younger age categories - particularly those aged 10-19.

Figure 2.3 High Peak Population by Age Cohort and Sex 2012 and 2031

Source: NLP Analysis / ONS 2008/2010/2011/2012-based SNPP

Figure 2.4 Staffordshire Moorlands Population by Age Cohort and Sex 2012 and 2031



Source: NLP Analysis / ONS 2008/2010/2011/2012-based SNPP

Components of Change

2.14 An analysis of the components of change (Table 2.3) for the four most recent comparable SNPPs for High Peak illustrates very clearly that domestic migration is the main factor underpinning the differences in the scale of population growth between the 2012-based SNPP. Natural change (i.e. the difference between births and deaths) is, on average, a net contributor of around 190 additional residents per year based on the latest projections, which is only marginally lower than the other three projections (allowing for rounding errors in the data).

Table 2.3 High Peak Population Projections: Components of Change

2013-2021 Annual Average Change	2008-Based SNPP	2010-Based SNPP	2011-Based SNPP (Interim)	2012-Based SNPP
Births	1,000	1,067	1,000	1,000
Deaths	811	867	800	811
Natural Change	**200**	**200**	**233**	**189**
Domestic Migration In	4,022	3,878	3,889	3,478
Domestic Migration Out	3,400	3,422	3,356	3,300
International Migration In	300	300	300	200
International Migration Out	400	200	300	200
Net Annual Average Migration	**422**	**500**	**422**	**211**

Source: ONS 2008, 2010, 2011 and 2012-based SNPPs

Note: figures do not sum due to rounding errors

2.15 In contrast, the net annual average migration into High Peak is just 211 residents based on the 2012-based SNPP, compared to between 422 and 500

annually for the other projections. It appears that the earlier projections were over-estimating the level of domestic in-migration (i.e. from elsewhere in the UK), whilst domestic out-migration has stayed relatively constant. International migration, as a relatively small component overall in any case, has also changed relatively little across the various projections.

2.16 Regarding Staffordshire Moorlands, the overall picture is similar as for High Peak, with differences in the levels of net domestic migration accounting for the bulk of the differences between the various scenarios. Whilst natural change is actually negative for all four projections, the level is very similar, with births and deaths being within a relatively consistent level of tolerance.

2.17 However, domestic in-migration is between 7% and 9% lower than had previously been forecast, resulting in significantly lower levels of population growth.

2.18 Comparing the migration estimates results from the historic SNPPs is highly problematic, as the methodologies altered significantly over time; for example:

1 The 2008-based SNPP used a different methodology for the distribution of internal and international migration than previous sets of projections as they incorporate further developments of the Migration Statistics Improvement Programme15;

2 The 2010-based SNPP used a different methodology for the distribution of international in-migrants, which in turn affected estimates of out-migrants, and also improvements to internal migration of students; and,

3 The interim 2011-based SNPP used the mid-2011 population estimates rolled forward from the 2011 Census results as the base, but the assumptions made on future migration trends were the same as those used in the 2010-based SNPP[7].

2.19 Whilst the 2012-based SNPP methodological approach to migration may be seen as being statistically sound, in that it uses the most up-to-date data that is internally consistent, it is important to note that much of the background trend data covers a period of time (2007/8 to 2011/12 for internal migration and 2006/07 to 2011/12 for international migration) that was affected by the recession and unprecedented economic downturn. ONS evidence[8] suggests that the level of internal migration within the UK and net international migration into the UK reduced during the recession, and it is possible that this trend-based evidence may have suppressed future estimates of migration to/from the districts.

[7] ONS SNPP Quality and Methodology Information 25th September 2012

[8] ONS (July 2011): News Release: New evidence shows how the recession is hitting UK households

Table 2.4 Staffordshire Moorlands Population Projections: Components of Change

2013-2021 Annual Average Change	2008-Based SNPP	2010-Based SNPP	2011-Based SNPP (Interim)	2012-Based SNPP
Births	800	900	911	844
Deaths	1,022	1,067	1,056	1,011
Natural Change	**-222**	**-167**	**-144**	**-167**
Domestic Migration In	3,967	3,856	3,867	3,600
Domestic Migration Out	3,400	3,400	3,433	3,244
International Migration In	100	200	200	100
International Migration Out	200	100	200	100
Net Annual Average Migration	**533**	**567**	**489**	**311**

Source: ONS 2008, 2010, 2011 and 2012-based SNPPs

Summary

2.20 In summary:

1 It is clear that the latest 2012-based SNPP are significantly lower than the previous 2011, 2010 and 2008-based equivalents. For example, over the nine-year period to 2021, the latest projections are around 45% lower than the 2011-based (interim) SNPP for High Peak, and 55% lower for Staffordshire Moorlands;

2 The key reason for the disparity appears to be migration, with the latest set of projections indicating that domestic inward migration is likely to be significantly lower for both districts over the plan period than was initially envisaged. It is possible that this reflects the lower level of migratory movements to and from the Boroughs due to the recession and subsequent economic downturn, which has been reflected in the trend-based modelling data;

3 This will have significant impacts on the PopGroup demographic modelling work, as the household forecasts will be based upon a lower level of population growth. It is probable that the resultant demographic scenarios, which otherwise incorporate similar assumptions to the 2014 SHMAs' modelling work, will be much lower than before;

4 If the demographic modelling results from the 2012-based SNPP update are indeed below the 2011-based household projections, this presents a quandary. The Government's Practice Guidance is clear that the latest household projections represent the 'starting point' for identifying objectively assessed housing need. As the household projections should be adjusted to reflect a worsening trend in any of the housing market indicators previously identified, it is likely that any change would be to increase, rather than decrease, the housing OAN; and,

5 Reconciling the lower demographic projections based on the 2012-based SNPP with the higher CLG (interim) 2011-based household projections (which are now based on a superseded set of population projections) will therefore be a key issue to resolve for both High Peak and Staffordshire Moorlands when defining the revised housing OAN ranges.

3.0 PopGroup Baseline Model Run Updates

Introduction

3.1 Taking forward the methodological approach outlined in detail in the 2014 SHMAs for the two districts, the following scenarios were re-modelled to take into account the latest 2012-based SNPP data:

Demographic-led Projections:

a **Updated PopGroup Baseline:** This scenario represents a projection of the demographic shift based on current factors and recent trends in both High Peak and Staffordshire Moorlands. The updated scenario uses the same broad approach as for the previous baseline (Scenario A in the 2014 SHMAs), but incorporates the ONS 2012-based SNPP. It has been assumed that post 2021, the 2008-based headship rates are applied (the 'index' approach). The base date of 2011 has been retained, as has the end date of 2031. Changes have also been made to the commuting, economic activity and unemployment rates to reflect the latest data from NOMIS.

Sensitivity Tests:

i **Scenario Aa: Static Headship Rates** – A scenario which incorporates the ONS / CLG inputs of Scenario A to provide a projection to 2021; after this time, the 2021 headship rates are held constant;

ii **Scenario Ab: Trend Headship Rates** – As above, although post-2021 the CLG 2011-based household projection trends are continued on a linear basis;

iii **Scenario Ac: Partial Catch-Up Headship Rates** – As above; change post 2021 is targeted to partially achieve (by around half) the CLG 2008-based Household Projections end-rates by 2033 (not previously modelled);

iv **Scenario Ad: Catch Up Headship Rates** - As above; change post 2021 is targeted to achieve the CLG 2008-based Household Projections end-rates by 2033.

b **Natural Change** – In and out-migration is reduced to zero, hence growth is driven purely by natural change, or the interaction between births and deaths;

c **Zero Net Migration:** Whereby the annual international and domestic migration flows under the baseline scenario are equalised to result in a net migration of zero (i.e. an identical number of people move into the area as leave the two districts);

d **Short Term Migration Trends** – A scenario based upon migration trends observed for HPBC and SMDC over the past 5 years;

e **Long Term Migration Trends** – A scenario based upon migration trends observed for HPBC and SMDC over the previous 10 years;

f **CLG Household Projections –** incorporating the 2011-based interim CLG household projections to derive household growth (399 households per annum in High Peak; 220 households per annum for Staffordshire Moorlands), plus the application of the latest vacancy rates for the two districts (4.1% for High Peak in 2013, 4.2% for Staffordshire Moorlands) to convert households to dwellings.

Employment-led Projections:

g **Oxford Economics Job Growth** - A 'policy-off' trend-scenario based upon Oxford Economics local area-based econometric model. This provides potential unconstrained employment growth in High Peak (-306 jobs 2012-2031) and Staffordshire Moorlands (+2,250 jobs 2012-2031) over the Plan period;

  i **Oxford Economics Job Growth + 5% Reduction in Out-Commuting** – This scenario applies the above assumptions whilst factoring in a 5% reduction in out-commuting over the plan period;

h **Policy On Job Growth Target** – A 'Policy-on' trend scenario based upon the Council's realistic economic objectives whilst factoring in increased economic growth in the key sectors in line with the regional average. This provides potential unconstrained employment growth in High Peak of 469 jobs, and in Staffordshire Moorlands of 3,871 jobs, over the course of the plan period;

  i **Policy On Job Growth Target + 5% Reduction in Out-Commuting** – This scenario applies the above assumptions whilst factoring in a 5% reduction in out-commuting over the plan period;

i **Job Stabilisation** - taking forward a net total of zero job growth over the period 2013-31 for both districts.

Reality Checks:

j **Scenario J: Average Past Delivery –** using past delivery trends to illustrate what the market has previously delivered and project these forward over the Plan periods (287 dpa for High Peak net; 227 dpa for Staffordshire Moorlands net).

k **SHMA requirement:** The High Peak SHMA (2014) identifies a critical need for 878 (net) affordable housing dwellings annually over the next five years in the district. At a typical rate of around 30% of total housing provision, this would lead to a requirement of around **2,927 dpa**. For Staffordshire Moorlands, the equivalent 2014 SHMA also identified a very high level of affordable housing need, equal to 707 (net) affordable housing dwellings annually over the next five years in the district. At a typical rate of around 30% of total housing provision, this would lead to a requirement of around **2,357 dpa**.

Scenarios – Assumptions and Approach

3.2 There are a number of underlying assumptions which NLP has adopted that form the basis for most modelled scenarios. These include:

a Future change assumed in the **Total Fertility Rates** [TFR] and **Standardised Mortality Rates** [SMR] are based on the birth and death projections derived from the ONS 2012-based SNPP. This in turn is used to derive future projected TFRs and SMRs through PopGroup;

b The 2011 and 2012 population figures (by age cohort) are constrained to align with the latest 2011-based and 2012-based **mid-year population estimates** for the two districts;

c Inputs on **headship rates** (using the CLG 2011-based household forecast headship rates up to 2021, and the 2008-based rates after this time, sensitivity tests excepted);

d In High Peak and Staffordshire Moorlands (as in any area), it is expected that housing **vacancies and second homes** will result in the number of dwellings exceeding the number of households. In establishing future projections, it is likewise expected that the dwelling requirement will exceed the household forecast. Hence empty homes rates of 4.1%/4.2% respectively are factored into the model for all the scenarios;

e To calculate the **unemployment rate** for HPBC, NLP took the January-December 2010 NOMIS (modelled) unemployment figure (6.7%) to equate to the 2010 rate; and the equivalent 2011, 2012, and 2013 figures of 6.4%, 7.41% and 5.8%. NLP kept the latter figure constant for 2014 and 2015 to reflect initial stabilisation at the current rate, and then gradually reduced the rate on a linear basis to the long term average (04-13) of 5.31% over a five-year time frame. This figure was then held constant to the end of the forecasting period on the grounds that this is a better reflection of the long-term trend than the current high rate. The same process was undertaken for SMDC, with the 2013 rate of 4.60% gradually reduced to the long term average of 4.13% by 2020 and then held constant to the end of the plan period.

f 2011 Census **Economic Activity Rates** have been used for each age cohort to equate to the 2011 economic activity profile for both HPBC and SMDC. From 2012 onwards, an adjustment has been made to reflect the changes to the State Pension Age; the propensity for people to live longer and retire later; and the growth of part time opportunities amongst other challenges. The NLP approach mirrors that put forward by Kent County Council in their Technical Paper: "*Activity Rate projections to 2036, Research and Evaluation, Business Strategy and Support*" (October 2011). The gradual change in rates is most pronounced for women over the age of 60 and males between the ages of 65 and 69. The rates were gradually increased from 2012 to 2020, whereby they were held constant across the remainder of the forecasting period;

g It has been assumed that the **commuting rates** for both districts remains static with no inferred increase or decrease in commuting levels. According to the 2011 Census, there were 48,560 economically active HPBC residents between the ages of 16 and 74, of whom 45,618 were in employment. The comparable figures for SMDC were 49,988 economically active residents, of whom 47,591 were in employment. In contrast, in 2011 there were 32,564 jobs in HPBC and 28,932 jobs in SMDC (BRES), hence rates of 1.401 and 1.645 respectively (i.e. more people commute out of High Peak and Staffordshire Moorlands than commute in on a daily basis). The only exception to this is the sensitivity tests on the jobs growth scenarios (Gi and Hi above), whereby the rate was reduced by 5% over time.

h There will also be an additional driver underpinning growth in household formation due to the strong trend towards smaller average household sizes nationally.

3.3 Where scenarios have been demographically modelled, a full schedule of the assumptions and inputs underpinning each one is contained within Appendix 1, and the outputs from the modelling are contained within Appendices 3 and 4.

Modelling Results

Demographic-led Scenarios

3.4 The demographic scenarios use components of population change (births, deaths and migration) to project how the future population, their household composition, and consequently their requirements for housing, will shift in the future. It also projects the proportion of the population who will be economically active and will support employment growth. The headline results for each scenario are outlined below.

Findings

3.5 These demographic scenarios use components of population change to project how the future population, household composition, and subsequently their requirements for housing, will shift in the future. These comprise natural change (i.e. births and deaths) and net migration, for which the headline results for each scenario are outlined below.

Scenario A – Updated PopGroup Baseline 2012-based SNPP

3.6 The baseline scenario is predicated upon the rates of projected migration, births and deaths in High Peak and Staffordshire Moorlands identified within the ONS 2012-based SNPP and the headship rates within the 2011-based (interim) household projections (to 2021 – the headship rates within the 2008-based household projections thereafter).

3.7 Under this scenario the population of High Peak is projected to increase considerably by 7,043 people over the period 2011 to 2031, which is less than

half the level of growth projected in the previous Baseline Scenario A (+14,773 residents), which is reflective of the fact that the latest 2012-based SNPP is substantially lower for High Peak than the (interim) 2011-based SNPP. This lower growth is still made up predominantly by net in-migration consisting of (+4,939) and to a lesser extent natural change (+2,108 people). The resulting increase in households in High Peak is projected to be 5,348, compared to 8,731 previously.

3.8 Interestingly, whilst the previous set of projection suggested that the working age population would remain almost constant across the plan period, with the number of residents of retirement age increasing by a massive 12,851. The new model run indicates that the number of residents of working age will actually decline, by 4,031, whilst the number of residents over 65 will again increase substantially, by 10,803.

3.9 As a result, despite the increase in the population under this scenario, it would actually result in the labour force declining over the plan period. Furthermore, the scenario would, assuming current commuting rates, result in -623 fewer jobs, compared to a net additional increase of 1,492 previously. This scenario would lead to a demographic-led housing need of 5,340 dwellings, or 267 dpa. This compares to 9,020 additional dwellings in the equivalent model run based on the 2011-based SNPP, equivalent to 451 dpa.

3.10 As regards Staffordshire Moorlands, the population growth projections under this scenario are also substantially lower than the equivalent scenario modelled before. Hence instead of a population growth of 6,436, a household growth of 4,534 and a dwelling growth of 4,752, the latest set of projections suggest population growth of just 2,554; household growth of 3,517 and a dwelling requirement of 3,671 between 2011 and 2031 (184 dpa).

3.11 The previous baseline model run indicated job decline of -2,011. This latest scenario, using the 2012-based SNPP inputs, would indicate a similar decline in jobs equal to -2,026 over the plan period. As with High Peak, the number of residents of working age will decline, by 7,277, whilst the number of residents over 65 will again increase substantially, by 10,544

Scenario A:

- High Peak: 267 dpa 2011-2031
- Staffordshire Moorlands: 184 dpa 2011-2031

Scenario A – Sensitivity Tests

Headship Rate Adjustments

3.12 As noted in the 2014 SHMA, there are specific issues regarding the headship rates used to underpin the latest 2011-based interim household projections, not the least of which is the fact that headship rates are only provided for the period 2011-2021. To demonstrate the extent to which NLP's 'index' approach

that underpins Scenario A represents a reasonable compromise, a variety of sensitivity tests were modelled using higher/lower household representations post 2021 as illustrated in Table 3.1. The data indicates that the indexed household representation scenario sites roughly midway between the lowest projections (trend) and the highest (catch-up). All the scenarios are considerably below their 2014 SHMA predecessors, with the difference being particularly striking for High Peak.

Table 3.1 Modelling Scenarios Varying Household Representation Rate assumptions post 2021

	High Peak			Staffordshire Moorlands		
Dwelling Change	2011-2031	Dpa	2014 SHMA (Difference)	2011-2031	Dpa	2014 SHMA (Difference)
PopGroup Baseline (Index)	5,340	267	451 (-184)	3,671	184	238 (-54)
Static Headship Rates	5,316	266	448 (-182)	3,525	176	230 (-54)
Trend Headship Rates	4,780	239	424 (-185)	2,718	136	190 (-54)
Partial Catch Up Headship Rates	5,188	259	-	3,186	159	-
Catch Up Headship Rates	5,577	279	464 (-185)	3,647	182	236 (-54)

Source: NLP PopGroup Modelling

Index= Annual change for 2021 to 2031 from CLG 2008-based Household Projections

Static= Constant 2021 rate applied for each year post-2021

Trend= CLG 2011-based household projection trend on a linear basis post 2021

Catch Up= Change post 2021 is targeted to achieve CLG 2008-based Household Projections end rates by 2033 (High Rate)

Scenario B – Natural Change

3.13 As before, this scenario examined the consequences of stripping out all the migration both into and out of High Peak/Staffordshire Moorlands over the period 2011-2031. As a consequence, the only population growth that can be generated results from the interaction of births and deaths, i.e. natural change.

3.14 Using the 2012-based SNPP data inputs, this has the effect f reducing the dwelling requirement for High Peak under this scenario from 182 dpa previously, to 156 dpa. Similarly, Staffordshire Moorlands requirement would reduce from 16 to just 6 dpa, demonstrating the extent to which the District is wholly reliant on inward migration to support future population growth.

Scenario B:

- High Peak: 156 dpa 2011-2031
- Staffordshire Moorlands: 6 dpa 2011-2031

Scenario C – Zero Net Migration

3.15 As before, the zero net migration scenario represents the population impacts of equalising migration (i.e. ensuring that the number of international and domestic migrants coming into the two districts, equal the number moving out). Thus whilst in the short term the population is unchanged from the natural change scenario, the profile of the population changes over time due to the different profile of in-migrants and out-migrants.

3.16 For High Peak Borough, the previous modelling work for this scenario suggested a dwelling requirement of 192 dpa. This reduces to just 176 dpa using the 2012-based SNPP inputs, with population growth of 3,364 and a net decline in the number of jobs equal to -1,665 to 2031. As for Staffordshire Moorlands, the dwelling requirement falls from 17 dpa to -53 dpa, indicating that the requirement would be negative, which is clearly not a tenable position upon which to base a housing requirement figure.

Scenario C:

- High Peak: 176 dpa 2011-2031
- Staffordshire Moorlands: -53 dpa 2011-2031

Scenario D – Short Term Migration Trend

3.17 This scenario is based upon a continuation into the future of the average past migration trends observed in the two Districts over the short term (past 5 years) and applies these to the ONS 2012-based (interim) SNPP. This draws upon ONS estimates of domestic and international migration over the previous 5 years for both districts. It differs from the previous approach in that an extra years' worth of data is available on past migration, whilst the 2012-based SNPP has been used instead of the 2011-based SNPP.

3.18 Again, due to the modest levels of net in-migration for both districts in the past five years, population growth is forecast to be minimal, which has a concurrent suppression on household formation and dwelling requirements. Instead of the 283 dpa reported for High Peak in the 2014 SHMA, the latest data would indicate a requirement of 222 dpa. For Staffordshire Moorlands, the requirement increases from 108 dpa previously, to 119 dpa between 2011 and 2031.

Scenario D:

- High Peak: 222 dpa 2011-2031
- Staffordshire Moorlands: 119 dpa 2011-2031

Scenario E – Long Term Migration Trend

3.19 As with Scenario D, the main changes to the approach used in the previous 2014 SHMA is the availability of an extra years' worth of data and the application of information underpinning the 2012-based SNPP. The result of this is that, again, the dwelling requirement for High Peak is lower than before – 5,370 dwellings 2011-2031, or 269 dpa compared to 292 dpa previously. A similar pattern as with Scenario D is discernable for Staffordshire Moorlands, with the requirement rising from 135 dpa previously, to 157 dpa using the latest data.

Scenario E:

- High Peak: 269 dpa 2011-2031
- Staffordshire Moorlands: 157 dpa 2011-2031

Scenario F – 2011 CLG (Interim) Household Projections

3.20 This data (and therefore the requirement of 416 dpa for High Peak and 230 dpa for Staffordshire Moorlands) is unchanged from the 2014 SHMA (save for a slight adjustment to take into account an updated vacancy rate figure) and has not been modelled in PopGroup.

Scenario F:

- High Peak: 416 dpa 2011-2031
- Staffordshire Moorlands: 230 dpa 2011-2031

Employment-led Scenarios

Scenario G – Oxford Economics Job Growth

3.21 This comprises a 'policy-off' trend based scenario using Oxford Economics' local area based model. This modelling has also informed the Borough's ELR. As before, the model has explored the population, household and dwelling implications of planning for a reduction in jobs of around 300 (2012-2031) in High Peak, and around +2,250 in Staffordshire Moorlands. Such an approach would require an increase in High Peak's population of 6,793 over the course of the plan period, equal to +4,971 households and 5,183 dwellings (259 dpa), down from 317 dpa previously. As for Staffordshire Moorlands, the latest data aligned to the OE job growth projection would require an increase in the population of 16,493 over the plan period, equal to 8,201 households, or 8,561 dwellings (428 dpa, down from 441 dpa previously).

Scenario Ga – Sensitivity: reduced net out-commuting (5%)

3.22 A sensitivity test was modelled on the above job projections, allowing for a reduction in the level of net out-commuting over the Plan period by 5%, which is understood to be a long term objective of both Councils.

3.23 Such an outcome would result in job growth remaining the same as Scenario G, but reducing the number of in-migrants required to take up those job opportunities. Modelling this scenario would reduce the dwelling requirement from 236 dpa to 179 dpa for High Peak, whilst Staffordshire Moorlands requirement would decline from 349 dpa to 337 dpa.

Scenario G:

- High Peak: 259 dpa 2011-2031
- Staffordshire Moorlands: 428 dpa 2011-2031

Scenario Ga:

- High Peak: 179 dpa 2011-2031
- Staffordshire Moorlands: 337 dpa 2011-2031

Scenario H – Policy On Job Growth

3.24 Applying the slightly higher job creation estimates in High Peak and Staffordshire Moorlands Joint ELR (702 net additional jobs between 2013 and 2031 for High Peak, and 4,158 net additional jobs over the same time period for Staffordshire Moorlands) to the data underpinning the 2012-based SNPP, would result in dwelling requirements of 5,894 (295 dpa) for High Peak between 2011 and 2031, and 10,377 (519 dpa) for Staffordshire Moorlands. Both figures are lower than the previous set of results in the 2014 SHMA (350 dpa and 528 dpa for HPBC and SMDC respectively.

Scenario Ha – Sensitivity: reduced net out-commuting (5%)

3.25 Running this sensitivity test on the basis of the same premise as Scenario Ga above would reduce the dwelling requirement to 4,256, or 213 dpa for High Peak, and down to 8,474, or 424 dpa for Staffordshire Moorlands.

Scenario H:

- High Peak: 295 dpa 2011-2031
- Staffordshire Moorlands: 519 dpa 2011-2031

Scenario Ha:

- High Peak: 213 dpa 2011-2031
- Staffordshire Moorlands: 424 dpa 2011-2031

Scenario I – Job Stabilisation

3.26 A final employment-led scenario examined the number of dwellings necessary to sustain a broadly neutral level of job growth over the Plan period. Given that under the baseline scenario it is expected that economically active residents will decrease slightly for High Peak, under this scenario population growth is expected to be higher in the Borough (the reverse was true in the 2014

SHMA), with the result that the 5,454 dwelling requirement, or 273 dpa, is also slightly higher than Scenario A.

3.27 For Staffordshire Moorlands, the number of jobs projected under the baseline scenario is negative, hence Scenario I presents an uplift in the requirement, to 5,876 dwellings (294 dpa).

Scenario I:

- High Peak: 273 dpa 2011-2031
- Staffordshire Moorlands: 294 dpa 2011-2031

Policy/Supply-Led Scenarios

Scenario J – Past Delivery Rates

3.28 The policy/supply led scenarios test the implications of delivering a certain level of development (i.e. a set number of dwellings) based on the given parameters of the scenario. We recognise that the Objective Assessment of Need cannot be founded on supply led scenarios as per the National Planning Practice Guidance [Practice Guidance] but they are useful comparators.

3.29 As this scenario involves no new demographic modelling, the figures remain as before in the 2014 SHMA.

Scenario J:

- High Peak: 287 dpa 2011-2031
- Staffordshire Moorlands: 227 dpa 2011-2031

Summary

3.30 The Scenarios indicate a wide range of housing requirements for the period 2011 to 2031, based upon different indicators of what the need for housing within High Peak and Staffordshire Moorlands could be. These are summarised in Table 3.2 and Table 3.3. Incorporating the much lower 2012-based SNPP into the modelling has the effect of reducing the dwelling requirements for almost all of the modelled scenarios, with the updates between 10 and 185 lower for High Peak, and between 8 and 70 lower for Staffordshire Moorlands (with the difference between the employment-led scenarios markedly lower than the differences between the demographic projections). The only exception with SMDC is the short term/long term migration-led scenarios, which are slightly higher than before. The comparable baseline scenarios are 184 dpa lower for High Peak and 54 dpa lower for Staffordshire Moorlands.

Table 3.2 Summary of Updated High Peak Comparison of Scenarios 2011-2031

	2012-based SNPP approach				2011-based SNPP	
	Population Change	Job Growth	Dwellings 2011-2031	Dwelling Change p.a.	Dwelling Change p.a.	Difference
A. Baseline 2012 SNPP	7,047	-623	5,340	267	451	-184
Aa. Baseline – Static			5,316	266	448	-182
Ab. Baseline – Trend			4,780	239	424	-185
Ac. Baseline – Partial Catch Up			5,188	259	n/a	n/a
Ad. Baseline – Catch Up			5,577	279	464	-185
B. Natural Change	2,584	-2,638	3,126	156	182	-26
C. Zero Net Migration	3,364	-1,665	3,523	176	192	-16
D. Short Term Migration Trends	2,109	2,514	4,623	222	283	-61
E. Long Term Migration Trends	2,520	4,680	7,200	269	292	-23
F. CLG 2011 Household Projections	-		8,321	416	-	
G. OE Job Growth	6,793	-629	5,183	259	317	-58
Ga. OE Job Growth +5% commuting reduction	2,620	-629	3,581	179	236	-57
H. ELR Policy On Job Growth	8,669	149	5,894	295	350	-55
Ha. ELR Policy On Job Growth + 5% commuting reduction	4,403	149	4,256	213	267	-54
I. Job Stabilisation	7,495	-320*	5,454	273	329	-56
J. Past Delivery**	-		5,740	287	-	

Source: CLG Household Projections / NLP Analysis of PopGroup Outputs / HPBC

*Note – jobs stabilised post 2013, hence the job decline in years 2011-2013 is recorded.

**Note: This supply-led scenario has been included for comparative purposes only and does not comprise OAN

Table 3.3 Summary of Updated Staffordshire Moorlands Comparison of Scenarios 2011-2031

	2012-based SNPP approach				2011-based SNPP	
	Population Change	Job Growth	Dwellings 2011-2031	Dwelling Change p.a.	Dwelling Change p.a.	Difference
A. Baseline 2012 SNPP	2,554	-2,026	3,671	184	238	-54
Aa. Baseline – Static			3,525	176	230	-54
Ab. Baseline – Trend			2,718	136	190	-54
Ac. Baseline – Partial Catch Up			3,186	159	n/a	n/a
Ad. Baseline – Catch Up			3,647	182	236	-54
B. Natural Change	-4,819	-3,572	124	6	16	-10
C. Zero Net Migration	-4,819	-2,688	-1,059	-53	17	-70
D. Short Term Migration Trends	-3,925	3,866	-59	119	108	+11
E. Long Term Migration Trends	-3,756	5,595	1,839	157	135	+22
F. CLG 2011 Household Projections	-		4,599	230	-	
G. OE Job Growth	16,493	2,179	8,561	428	441	-13
Ga. OE Job Growth +5% commuting reduction	11,693	2,179	6,747	337	349	-12
H. ELR Policy On Job Growth	21,334	3,798	10,377	519	528	-9
Ha. ELR Policy On Job Growth + 5% commuting reduction	16,296	3,798	8,474	424	432	-8
I. Job Stabilisation	9,412	-73*	5,876	294	313	-19
J. Past Delivery**	-		4,540	227	-	

Source: CLG Household Projections / NLP Analysis of PopGroup Outputs / SMDC

*Note – jobs stabilised post 2013, hence the job decline in years 2011-2013 is recorded.

**Note: This supply-led scenario has been included for comparative purposes only and does not comprise OAN

4.0 Discussion

4.1 In the light of the new datasets underpinning the scenarios, this section of the report discusses whether the previous forecasts remain valid, and whether as a consequence of this, the justifications behind the range of dwelling requirements given in the previous report(s) remain robust. Figure 4.1 and Figure 4.2 demonstrate the extent to which the previous scenarios compare with the updated projections.

4.2 As noted above, we have reservations over the use of the 2011-based SNPP data. These are only interim projections and incorporate 2010-based data on SMR/TFR rates and migration despite the different population levels; furthermore, the data only goes up to 2021 rather than 2031. It might be expected that as a consequence, the 2012-based SNPP is more robust as a basis for underpinning housing requirements than the 2011-based SNPP.

4.3 As can be seen from Figure 4.1, there is a substantial fall in the updated dwelling requirements for most of High Peak's scenarios, but particularly the demographic projections (Scenarios A to Ad), with the latest figures around 180 dwellings lower per annum. This is due to the sharp fall in the population growth projected in the 2012-based SNPP when compared to the 2011-based SNPP which informed the 2014 SHMA model runs, with the former projecting around half the latter's growth to 2021. It is therefore unsurprising that it has resulted in such a dramatic curtailment of the Borough's dwelling requirements.

4.4 Figure 4.2 demonstrates a similar (although less pronounced) reduction in Staffordshire Moorlands' demographic projections, with the difference being just over 50 dwellings per annum. Whilst the District had a similar proportionate reduction in population growth as High Peak, when the 2012-based and 2011-based SNPPs are compared, the difference in dwelling requirements are perhaps less severe due to the shifting balance in the demography. SMDC's reduction in population predominantly resonates in those younger age groups less likely to form a head of a household, whereas much of the difference in High Peak's population in the 2012-based SNPP compared to earlier SNPPs is in the 90+ age categories (see Figure 2.3), who are more likely to live in small households if not on their own).

4.5 Even though the employment led and migration led scenarios tend to have a greater correlation between the two sets of projections for both High Peak and Staffordshire Moorlands, even here the direction of change is consistently downwards.

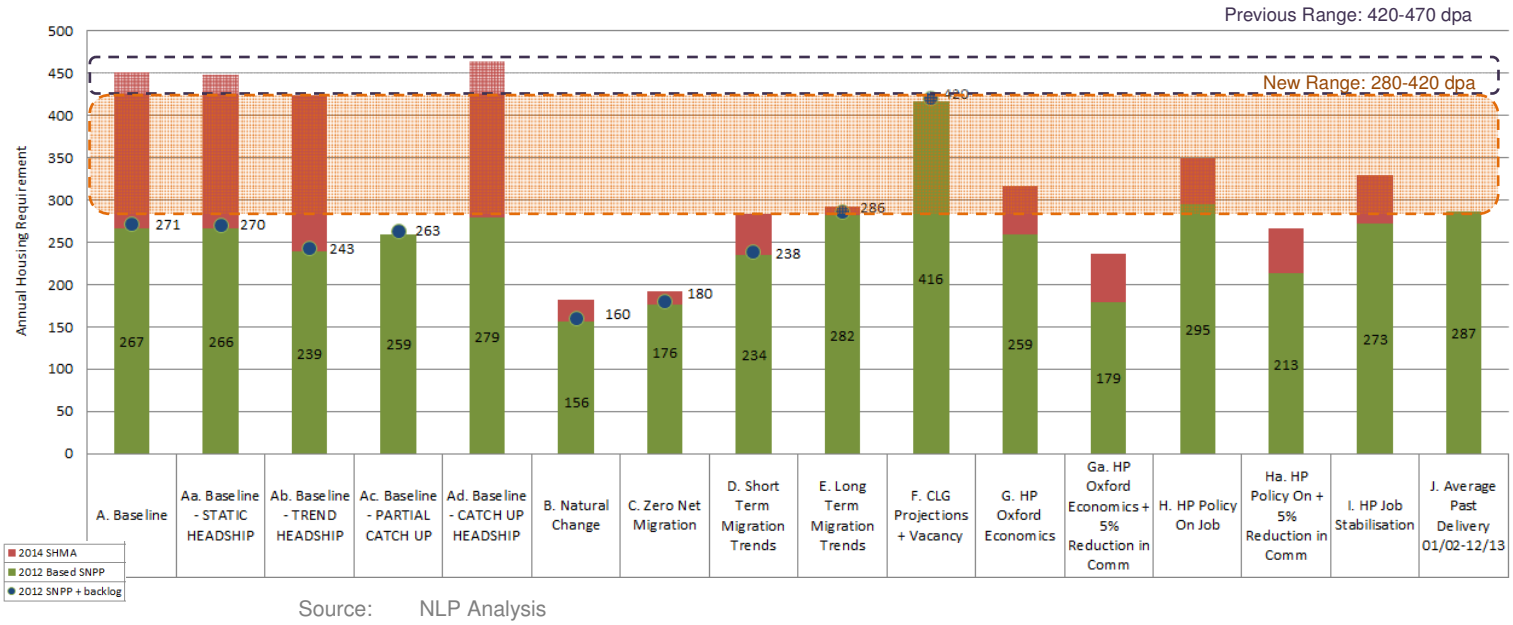
Overall Compliance

4.6 At this point it is important to revisit the original justification for the authorities' housing needs range. Due to the various factors and assumptions which feed into the assessment of future needs, it was recognised that there was not a single figure which could be definitively identified as objectively assessed

development need. This is noted in the former CLG SHMA Guidance which identifies that estimates of need may be expressed as a single number or a range.

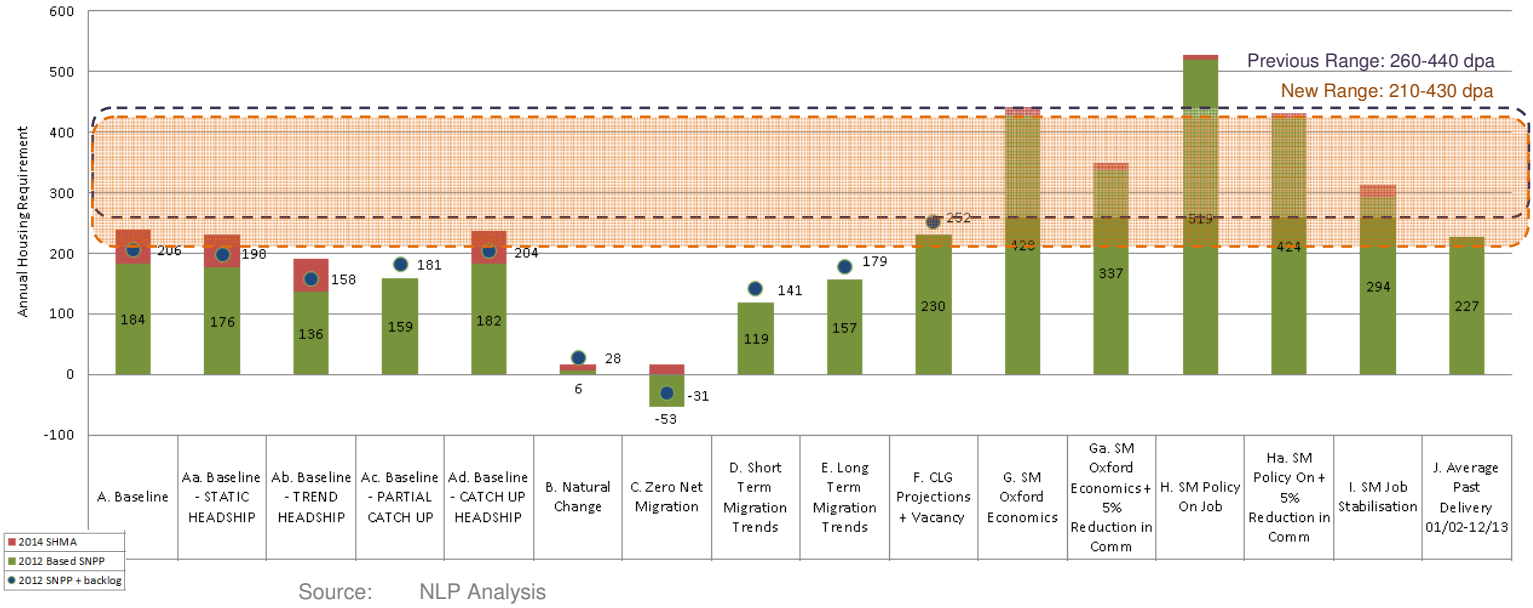
4.7 On the basis of the SHMA's analysis, it was considered that an objective assessment of housing need and demand for High Peak (including backlog) fell within the 420 to 470 dpa range, equivalent to 8,400 to 9,400 units. For Staffordshire Moorlands, the recommended range was between 260 dpa and 440 dpa (5,200 to 8,800 dwellings).

Figure 4.1 Summary of Scenarios for High Peak Borough



Source: NLP Analysis

Figure 4.2 Summary of Scenarios for Staffordshire Moorlands District



Source: NLP Analysis

4.8 For High Peak, this range encompassed the baseline demographic-led projection at the upper end of the range (Scenario Ad Catch Up, 464 dpa), with the headship rate accelerated in an attempt to correct adverse, and worsening, housing market signals. It also encompassed the CLG Projections with an allowance for vacancy at the lower end of the range (416 dpa). Overall, this range was defined to ensure positive economic growth in line with High Peak's aspirations and the requirements of The Framework, whilst addressing the needs of future residents.

4.9 For Staffordshire Moorlands, the 260-440 dpa range encompassed the baseline demographic-led needs for development at the lower end of the range (Scenario A, at 260 dpa including backlog – there was little difference between the indexed approach to household formation and the accelerated catch up headship approach).

4.10 Where a council is actively seeking to promote economic growth, as SMDC is, it is logical to allow for an additional element of housing growth to support the creation of new jobs. As such, it was considered that the top end of the range should enable the delivery of sufficient labour force levels to support the Oxford Economics Job Growth projections (528 dpa). The top end of the range was therefore intended to allow for the economic potential of Staffordshire Moorlands to be realised. Where the Council is seeking to pursue the higher 'policy on' level of job growth, this would need to influence their decision making in choosing a policy driven housing 'requirement'.

4.11 SMDC's OAN housing range was intended to ensure a level of housing delivery that would represent an 'upwards adjustment' to purely demographic-led needs in the context of the significant affordability challenges as indicated by market signals across the District. This would help address the issue of worsening affordability within the current Staffordshire Moorlands' housing market.

4.12 **In general, NLP considers that if the data within the 2012-based SNPP for both High Peak and Staffordshire Moorlands had been available to inform the 2014 SHMA report, a lower range of housing requirements would have been recommended to reflect the significant reduction in population growth.**

4.13 For High Peak, the Catch Up Headship Rate Scenario, which formerly comprised the top end of the range in the 2014 SHMA, has reduced from 464 dpa to 279 dpa. Retaining this scenario as a marker for the OAN range would align with the demographic modelling and allow for some acceleration to help address the worsening market signals being experienced in the Borough.

4.14 At the top end of the range, it is suggested that the CLG (interim) 2011-based Household Projections (420 dpa) should also be retained. This is on the grounds that the Practice Guidance requires the CLG household projections to comprise the 'starting point' for identifying housing OAN, even though their continuing validity is thrown into question due to the substantial divergence between the 2011-based (interim) SNPP upon which they are based, and the

more robust 2012-based SNPP, which supersede them. At present it is impossible for us to estimate the extent to which the 2012-based CLG household projections will differ from the 2011-based (interim) household projections. However, given the significantly lower population projections upon which they will be based, it reasonable to assume that the 2012-based household projections will be significantly lower than their 2011-based equivalents.

4.15 Hence whilst we have retained it as a scenario, and whilst it defines the top end of the range, it is probable that less weight can be attached to these projections in the case of High Peak. Until the 2012-based household projections are made available in autumn 2014, they remain a valid consideration however.

4.16 **On this basis, it is suggested that the OAN housing range for High Peak is modified, from the 420-470 dpa in the 2014 SHMA, down to between 280 dpa and 420 dpa.** This range would encompass all of the economic-led projections and allow the Borough to meet its demographically driven housing need in full.

4.17 As for Staffordshire Moorlands, whilst the difference between the two sets of projections is less pronounced, it is also considered that the much-reduced 2012-based SNPP could justify a reduction in the OAN. Applying the same logic as before, and taking the Baseline demographic projections as the starting point (increased to make allowance for backlog), this would suggest a housing need figure of around 210 dpa at the lower end of the range. At the top end, retaining the Oxford Economic scenario as a proxy to allow for the realistic economic potential of Staffordshire Moorlands to be realised, would support a figure of around 430 dpa.

4.18 **On this basis, it is suggested that the OAN housing range for Staffordshire Moorlands is modified, from the 260-440 dpa in the 2014 SHMA, down to between 210 dpa and 430 dpa.** This range would encompass all of the economic-led projections with the exception of the Policy On scenario, which would be a policy choice for SMDC to follow in defining its housing requirement.

Conclusion

4.19 This statement has tested the on-going validity of the housing requirements identified in the 2014 High Peak and Staffordshire Moorlands SHMAs in the light of recently released demographic data and population projections. Specifically, this has sought to address the implications of the 2012-based SNPP, which indicate a substantial reduction in population growth to 2031 for both districts when compared to the now superseded 2011-based (interim) and 2010-based SNPPs which underpinned the 2014 SHMA modelling work.

4.20 Having modelled the latest 2012-based SNPP and related statistics on vacancy rates, unemployment and commuting, it is considered that the original ranges of between 420 dpa and 470 dpa for High Peak Borough and 260 dpa

to 440 dpa for Staffordshire Moorlands are outwith an acceptable margin of tolerance due to the substantial changes to the growth projections.

4.21 We suggest that taking this evidence into account and applying the same considerations to backlog whilst accelerating household formation rates to take into account 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**. This would, at a minimum, meet need and demand arising from future projected demographic change within the two districts, whilst also supporting economic growth, and delivering affordable housing to respond to identified local needs.

4.22 To ensure compliance with national planning policy, providing a level of housing significantly below 280 dpa / 210 dpa would mean that High Peak/Staffordshire Moorlands are not meeting their own housing requirements. Without sufficient mitigation measures in place to avoid the adverse housing, economic and other outcomes that a lower-growth approach could give rise to, a lower housing requirement would be inappropriate unless (and in accordance with The Framework §14) the two authorities could robustly demonstrate that the "*adverse impacts of doing so would significantly and demonstrably outweigh the benefits."* This may require HPBC/SMDC to explore the extent to which any shortfall could be met in neighbouring authorities within the same HMAs.

4.23 Within all this, it is important to recognise that the statistics upon which the housing needs model is based are updated and adjusted on a regular basis, with more detailed 2012-based 25-year forward household projections likely to be made available by CLG in autumn 2014. As the LPAs progress towards their respective EiPs, it will be important for them to ensure that their housing figures remain under regular review, taking into account new and more detailed evidence as it emerges.

4.24 It is also important to remember that whilst the evidence within this statement takes into consideration the need and demand for housing, crucially, it does not seek to make a planning or policy judgement – this is a matter for the two planning authorities taking account of the information before them. This statement therefore seeks to stimulate the further consideration of all relevant factors through the appropriate Local Plan process, with the revised housing and demographic data feeding into the Employment Land Review Update on an iterative basis.

Appendix 1 Inputs and Assumptions

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa-Ad Headship Sensitivities)	Scenario B: Natural Change	Scenario C – Zero Net Migration	Scenarios D/E – Short/Long term Migration
Population				
Baseline Population	A 2012 baseline population is taken from the 2012 Mid-year population estimates for High Peak Borough and Staffordshire Moorlands District, split by age cohort and gender. For Scenario A and the sensitivities, the populations for 2012-2031 are constrained to the 2012-based SNPP for the districts, by age and sex.			
Births	Future change assumed in the Total Fertility Rate [TFR] uses the birth projections from the ONS 2012-based Interim SNPP. This in turn is used to derive future projected TFRs through PopGroup.			
Deaths	Future change assumed in the SMR uses the death projections from the ONS 2012-based Interim SNPP. This in turn is used to derive future projected SMRs through PopGroup.			
Internal Migration	Gross domestic in and out migration flows are adopted based on forecast migration in the two districts from the ONS 2012-based SNPP for the actual internal migration flows 2012-2031. This is the sum of internal migration (elsewhere in England) and cross-border migration (elsewhere in the UK) (SNPP Table 5). Internal migration includes moves to all other Local Authority areas, including to neighbouring areas (i.e. a move of two streets might be classed as internal migration if it involves a move to another LA area).	Migration flows in and out of the two districts are set at zero post 2012.	Gross domestic in and out migration flows are adopted based on forecast migration in the districts from the ONS 2012-based SNPP for the actual internal migration flows 2011-2031. To achieve zero net migration the difference between in and out flows is split to equalise the in and out flows at the middle point of the two.	Gross domestic internal migration flows are adopted based on average gross past trends for the past 5/10 years.

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa-Ad Headship Sensitivities)	Scenario B: Natural Change	Scenario C – Zero Net Migration	Scenarios D/E – Short/Long term Migration
International Migration	Gross international in and out migration flows are adopted based on forecast migration in the two districts from the ONS 2012-based SNPP for the actual internal migration flows 2012-2031.	As above, but for international rather than internal migration.	As above, but for international rather than internal migration.	Gross international migration flows are adopted based on average gross past trends for the past 5/10 years.
Propensity to Migrate (ASMigR)	Age Specific Migration Rates (ASMigR) for both in and out domestic migration are based upon the age profile of migrants to and from the two districts in the 2012-based SNPP. These identify a migration rate for each age cohort within the two districts (for both in and out flows separately) which is applied to each individual age providing an Age Specific Migration Rate. This then drives the demographic profile of those people moving into and out of the two districts (but not the total numbers of migrants).			
Housing				
Headship Rates	Headship rates that are specific to HPBC and SMDC and forecast over the period to 2033 were taken from the government data which was used to underpin the 2011-based CLG household forecasts and applied to the demographic forecasts for each year as output by the PopGroup model. These headship rates were split by age cohort and by household typology. These are the most up-to-date headship rates available at the time of writing. Beyond 2021 this is assumed to resume the long term trends identified within the 2008-based household projections with index trends from the 2008-based projections applied to the 2021 end point of the 2011-based household projections. For the Baseline sensitivity tests (Aa, Ab, Ac and Ad), a variety of headship rates has been modelled using higher / lower household representation rates post 2021: • **Static** = Constant 2021 rate applied for each year post-2021; • **Trend** = CLG 2011-based household projection trend continued on a linear basis post 2021; • **Partial Catch Up** = Change post 2021 is targeted to partially achieve CLG 2008-based Household Projections end rates by 2033; • **Catch Up** = Change post 2021 is targeted to achieve CLG 2008-based Household Projections end rates by 2033. Post 2033, the rate is held constant.			

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa-Ad Headship Sensitivities)	Scenario B: Natural Change	Scenario C – Zero Net Migration	Scenarios D/E – Short/Long term Migration
Population not in households	The number of population not in households (e.g. those in institutional care) is similarly taken from the assumptions used to underpin the 2011-based CLG household forecasts. No change is assumed to the rate of this from the CLG identified rate.			
Vacancy / 2nd Home Rate	A vacancy and second homes rate is applied to the number of households, representing the natural vacancies / not permanently occupied homes which occur within the housing market. This means that more dwellings than households are required to meet needs. The vacancy / second home rate in High Peak Borough totals 4.1% (estimated using data from the Council Tax Base for Formula Grant Purposes, October 2013), held constant over the forecast period. The equivalent vacancy rates for Staffordshire Moorlands District, from the same data source, was 4.2%.			
Economic				
Economic Activity Rate	2011 Census Economic Activity Rates used for each age cohort to equate to the 2010 and 2011 economic activity profile for both districts. From 2012 onwards, an adjustment has been made to reflect the changes to the State Pension Age; the propensity for people to live longer and retire later; and the growth of part time opportunities amongst other challenges. The NLP approach mirrors that put forward by Kent County Council in their Technical Paper: "*Activity Rate projections to 2036, Research and Evaluation, Business Strategy and Support*" (October 2011). The increase in rates, which is most pronounced for women over the age of 60 and males between the ages of 65-69, are gradually increased from 2012 onwards up to 2020, whereby they are held constant across the remainder of the forecasting period.			
Commuting Rate	A standard net commuting rate is inferred through the modelling using a Labour Force Ratio which is worked out using the formula: (A) Number of employed workers living in area ÷ (B) Number of workers who work in the area (number of jobs). For High Peak Borough, data from the 2011 Census indicates that there were 48,560 economically active High Peak residents between the ages of 16 and 74, of whom 45,618 were in employment. In contrast, in 2011 there were 32,564 jobs in High Peak (BRES), hence a rate of LF ratio of **1.401** (i.e. more people commute out of High Peak than commute in on a daily basis). For Staffordshire Moorlands, the same data sources indicated that there were 47,591 economically active residents in employment, set against 28,932 jobs based in the District in 2011. This results in an LF Ratio of **1.645**. These rates have not been flexed over the forecasting period with no assumed increase or reduction in net commuting rates.			

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa-Ad Headship Sensitivities)	Scenario B: Natural Change	Scenario C – Zero Net Migration	Scenarios D/E – Short/Long term Migration
Unemployment	To calculate the unemployment rate for High Peak and Staffordshire Moorlands, NLP took the January-December 2010 NOMIS (modelled) unemployment figure (HPBC 6.7% and SMDC 4.6%) to equate to the 2010 rate; the equivalent 2011 figure (HPBC 6.4% and SMDC 5.6%) to equate to the 2011 rate; the equivalent 2012 figure (HPBC 7.4% and SMDC 5.5%) to equate to 2012 and the equivalent 2013 figure (HPBC 5.8% and SMDC 4.6%) to equate to 2013. NLP kept the former figure constant for 2014 and 2015 to reflect initial stabilisation at the current high rate, and then gradually reduced the rate on a linear basis to the long term average (04-13) (HPBC 5.31% and SMDC 4.13%) over a five-year time frame. These figures were then held constant to the end of the forecasting period on the grounds that this is a better reflection of the long-term trend than the current high rate.			

ECONOMIC	Scenario G. Oxford Economics Job Growth and Ga Sensitivity Test	Scenario H. Policy On Job Growth and Ga Sensitivity Test	Scenario I: Job Stabilisation
Population			
Baseline Population	A 2012 baseline population is taken from the 2012 Mid-year population estimates for High Peak Borough and Staffordshire Moorlands District, split by age cohort and gender. For Scenario A and the sensitivities, the populations for 2012-2031 are constrained to the 2012-based SNPP for the districts, by age and sex.		
Births	Future change assumed in the Total Fertility Rate [TFR] uses the birth projections from the ONS 2012-based Interim SNPP. This in turn is used to derive future projected TFRs through PopGroup.		
Deaths	Future change assumed in the SMR uses the death projections from the ONS 2012-based Interim SNPP. This in turn is used to derive future projected SMRs through PopGroup.		
Internal Migration	Internal in-migration and outmigration is flexed (inflated or deflated) to achieve the necessary number of economically active people to underpin the economy in the two districts for this employment scenario. This was based on taking forward forecast job growth based on Oxford Economics' projections (-306 jobs 2012-2031 in HPBC and +2,250 in SMDC) and a separate sensitivity test, which gradually reduced the level of net out-commuting by 5% in each district between 2012 and 2031.	Internal in-migration and outmigration is flexed (inflated or deflated) to achieve the necessary number of economically active people to underpin the economy in the two districts for this employment scenario. This was based on taking forward the Council's realistic economic objectives whilst factoring in increased economic growth in the key sectors in line with regional averages. This provides unconstrained employment growth in High Peak of 469 jobs, and in Staffordshire Moorlands of 3,871 jobs to 2031. As Scenario G, a separate sensitivity test was also modelled, which gradually reduced the level of net out-commuting by 5% in each district between 2012 and 2031.	Internal in-migration and outmigration is flexed (inflated or deflated) to achieve the necessary number of economically active people to underpin the economy in each district for this employment scenario. This was based on job stabilisation between 2012 and 2031.

ECONOMIC	Scenario G. Oxford Economics Job Growth and Ga Sensitivity Test	Scenario H. Policy On Job Growth and Ga Sensitivity Test	Scenario I: Job Stabilisation
International Migration	As above, but for international rather than internal migration.		
Propensity to Migrate (ASMigR)	Age Specific Migration Rates (ASMigR) for both in and out domestic migration are based upon the age profile of migrants to and from the two districts in the 2012-based SNPP. These identify a migration rate for each age cohort within the two districts (for both in and out flows separately) which is applied to each individual age providing an Age Specific Migration Rate. This then drives the demographic profile of those people moving into and out of the two districts (but not the total numbers of migrants).		
Housing			
Headship Rates	Headship rates that are specific to HPBC and SMDC and forecast over the period to 2033 were taken from the government data which was used to underpin the 2011-based CLG household forecasts and applied to the demographic forecasts for each year as output by the PopGroup model. These headship rates were split by age cohort and by household typology. These are the most up-to-date headship rates available at the time of writing. Beyond 2021 this is assumed to resume the long term trends identified within the 2008-based household projections with index trends from the 2008-based projections applied to the 2021 end point of the 2011-based household projections.		
Population not in households	The number of population not in households (e.g. those in institutional care) is similarly taken from the assumptions used to underpin the 2011-based CLG household forecasts. No change is assumed to the rate of this from the CLG identified rate.		
Vacancy / 2nd Home Rate	A vacancy and second homes rate is applied to the number of households, representing the natural vacancies / not permanently occupied homes which occur within the housing market. This means that more dwellings than households are required to meet needs. The vacancy / second home rate in High Peak Borough totals 4.1% (estimated using data from the Council Tax Base for Formula Grant Purposes, October 2013), held constant over the forecast period. The equivalent vacancy rates for Staffordshire Moorlands District, from the same data source, was 4.2%.		

ECONOMIC	Scenario G. Oxford Economics Job Growth and Ga Sensitivity Test	Scenario H. Policy On Job Growth and Ga Sensitivity Test	Scenario I: Job Stabilisation
Economic			
Economic Activity Rate	2011 Census Economic Activity Rates used for each age cohort to equate to the 2010 and 2011 economic activity profile for both districts. From 2012 onwards, an adjustment has been made to reflect the changes to the State Pension Age; the propensity for people to live longer and retire later; and the growth of part time opportunities amongst other challenges. The NLP approach mirrors that put forward by Kent County Council in their Technical Paper: "*Activity Rate projections to 2036, Research and Evaluation, Business Strategy and Support*" (October 2011). The increase in rates, which is most pronounced for women over the age of 60 and males between the ages of 65-69, are gradually increased from 2012 onwards up to 2020, whereby they are held constant across the remainder of the forecasting period.		
Commuting Rate	A standard net commuting rate is inferred through the modelling using a Labour Force Ratio which is worked out using the formula: (A) Number of employed workers living in area ÷ (B) Number of workers who work in the area (number of jobs). For High Peak Borough, data from the 2011 Census indicates that there were 48,560 economically active High Peak residents between the ages of 16 and 74, of whom 45,618 were in employment. In contrast, in 2011 there were 32,564 jobs in High Peak (BRES), hence a rate of LF ratio of **1.401** (i.e. more people commute out of High Peak than commute in on a daily basis). For Staffordshire Moorlands, the same data sources indicated that there were 47,591 economically active residents in employment, set against 28,932 jobs based in the District in 2011. This results in an LF Ratio of **1.645**. These rates have not been flexed over the forecasting period with no assumed increase or reduction in net commuting rates (aforementioned sensitivity tests aside).		
Unemployment	To calculate the unemployment rate for High Peak and Staffordshire Moorlands, NLP took the January-December 2010 NOMIS (modelled) unemployment figure (HPBC 6.7% and SMDC 4.6%) to equate to the 2010 rate; the equivalent 2011 figure (HPBC 6.4% and SMDC 5.6%) to equate to the 2011 rate; the equivalent 2012 figure (HPBC 7.4% and SMDC 5.5%) to equate to 2012 and the equivalent 2013 figure (HPBC 5.8% and SMDC 4.6%) to equate to 2013. NLP kept the former figure constant for 2014 and 2015 to reflect initial stabilisation at the current high rate, and then gradually reduced the rate on a linear basis to the long term average (04-13) (HPBC 5.31% and SMDC 4.13%) over a five-year time frame. These figures were then held constant to the end of the forecasting period on the grounds that this is a better reflection of the long-term trend than the current high rate;		

Appendix 2 PopGroup Summary

HIGH PEAK	SCENARIO A: PopGroup Baseline			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,029	7,047	8%
Households	38,958	44,079	5,121	13%
Dwellings	**40,624**	**45,964**	**5,340**	**13%**
Size of Labour Force	48,807	47,324	-1,483	-3%
Number of Jobs	32,611	31,988	-623	-2%

HIGH PEAK	SCENARIO Aa: PopGroup Baseline – STATIC HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,029	7,047	8%
Households	38,958	44,056	5,098	13%
Dwellings	**40,624**	**45,940**	**5,316**	**13%**
Size of Labour Force	48,807	47,324	-1,483	-3%
Number of Jobs	32,611	31,988	-623	-2%

HIGH PEAK	SCENARIO Ab: PopGroup Baseline – TREND HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,029	7,047	8%
Households	38,958	43,542	4,584	12%
Dwellings	**40,624**	**45,404**	**4,780**	**12%**
Size of Labour Force	48,807	47,324	-1,483	-3%
Number of Jobs	32,611	31,988	-623	-2%

HIGH PEAK	SCENARIO Ac: PopGroup Baseline – PARTIAL CATCH UP HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,029	7,047	8%
Households	38,958	43,934	4,975	13%
Dwellings	**40,624**	**45,812**	**5,188**	**13%**
Size of Labour Force	48,807	47,324	-1,483	-3%
Number of Jobs	32,611	31,988	-623	-2%

HIGH PEAK	SCENARIO Ad: PopGroup Baseline – CATCH UP HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,029	7,047	8%
Households	38,958	44,306	5,348	14%
Dwellings	**40,624**	**46,201**	**5,577**	**14%**
Size of Labour Force	48,807	47,324	-1,483	-3%
Number of Jobs	32,611	31,988	-623	-2%

HIGH PEAK	SCENARIO B: Natural Change			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	93,566	2,584	3%
Households	38,958	41,956	2,998	8%
Dwellings	**40,624**	**43,750**	**3,126**	**8%**
Size of Labour Force	48,807	44,343	-4,464	-9%
Number of Jobs	32,611	29,973	-2,638	-8%

HIGH PEAK	SCENARIO C: Zero Net Migration			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	94,346	3,364	4%
Households	38,958	42,337	3,379	9%
Dwellings	**40,624**	**44,147**	**3,523**	**9%**
Size of Labour Force	48,807	45,782	-3,025	-6%
Number of Jobs	32,611	30,946	-1,665	-5%

HIGH PEAK	SCENARIO D: Short Term Migration Trends			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	95,605	4,623	5%
Households	38,958	43,215	4,256	11%
Dwellings	**40,624**	**45,062**	**4,438**	**11%**
Size of Labour Force	48,807	46,031	-2,776	-6%
Number of Jobs	32,611	31,114	-1,497	-5%

HIGH PEAK	SCENARIO E: Long Term Migration Trends			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,182	7,200	8%
Households	38,958	44,108	5,150	13%
Dwellings	**40,624**	**45,994**	**5,370**	**13%**
Size of Labour Force	48,807	47,367	-1,440	-3%
Number of Jobs	32,611	32,017	-593	-2%

HIGH PEAK	SCENARIO G: Oxford Economics Job Growth			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	97,775	6,793	7%
Households	38,958	43,929	4,971	13%
Dwellings	**40,624**	**45,807**	**5,183**	**13%**
Size of Labour Force	48,807	47,314	-1,493	-3%
Number of Jobs	32,611	31,982	-629	-2%

HIGH PEAK	SCENARIO Ga: Oxford Economics Job Growth Sensitivity Test			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	93,602	2,620	3%
Households	38,958	42,392	3,434	9%
Dwellings	**40,624**	**44,204**	**3,581**	**9%**
Size of Labour Force	48,807	44,949	-3,858	-8%
Number of Jobs	32,611	31,982	-629	-2%

HIGH PEAK	SCENARIO H: Policy On Job Growth			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	99,651	8,669	10%
Households	38,958	44,611	5,653	15%
Dwellings	**40,624**	**46,518**	**5,894**	**15%**
Size of Labour Force	48,807	48,465	-342	-1%
Number of Jobs	32,611	32,760	149	0%

HIGH PEAK	SCENARIO Ha: Policy On Job Growth Sensitivity Test			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	95,385	4,403	5%
Households	38,958	43,040	4,082	10%
Dwellings	**40,624**	**44,880**	**4,256**	**10%**
Size of Labour Force	48,807	46,042	-2,765	-6%
Number of Jobs	32,611	32,760	149	0%

HIGH PEAK	SCENARIO I: Job Stabilisation			
	2011	2031	Change 2011-31	% Change 2011-31
Population	90,982	98,477	7,495	8%
Households	38,958	44,188	5,230	13%
Dwellings	**40,624**	**46,078**	**5,454**	**13%**
Size of Labour Force	48,807	47,772	-1,035	-2%
Number of Jobs	32,611	32,291	-320	-1%

STAFFORDSHIRE MOORLANDS	SCENARIO A: PopGroup Baseline			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,763	2,554	3%
Households	41,808	45,325	3,517	8%
Dwellings	**43,641**	**47,312**	**3,671**	**8%**
Size of Labour Force	50,340	46,092	-4,248	-8%
Number of Jobs	28,889	26,863	-2,026	-7%

STAFFORDSHIRE MOORLANDS	SCENARIO Aa: PopGroup Baseline – STATIC HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,763	2,554	3%
Households	41,808	45,184	3,377	8%
Dwellings	**43,641**	**47,165**	**3,525**	**8%**
Size of Labour Force	50,340	46,092	-4,248	-8%
Number of Jobs	28,889	26,863	-2,026	-7%

STAFFORDSHIRE MOORLANDS	SCENARIO Ab: PopGroup Baseline – TREND HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,763	2,554	3%
Households	41,808	44,412	2,604	6%
Dwellings	**43,641**	**46,359**	**2,718**	**6%**
Size of Labour Force	50,340	46,092	-4,248	-8%
Number of Jobs	28,889	26,863	-2,026	-7%

STAFFORDSHIRE MOORLANDS	SCENARIO Ac: PopGroup Baseline – PARTIAL CATCH UP HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,763	2,554	3%
Households	41,808	44,860	3,053	7%
Dwellings	**43,641**	**46,827**	**3,186**	**7%**
Size of Labour Force	50,340	46,092	-4,248	-8%
Number of Jobs	28,889	26,863	-2,026	-7%

STAFFORDSHIRE MOORLANDS	SCENARIO Ad: PopGroup Baseline – CATCH UP HEADSHIP			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,763	2,554	3%
Households	41,808	45,302	3,494	8%
Dwellings	**43,641**	**47,288**	**3,647**	**8%**
Size of Labour Force	50,340	46,092	-4,248	-8%
Number of Jobs	28,889	26,863	-2,026	-7%

STAFFORDSHIRE MOORLANDS	SCENARIO B: Natural Change			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	92,390	-4,819	-5%
Households	41,808	41,927	119	0%
Dwellings	**43,641**	**43,765**	**124**	**0%**
Size of Labour Force	50,340	43,439	-6,901	-14%
Number of Jobs	28,889	25,317	-3,572	-12%

STAFFORDSHIRE MOORLANDS	SCENARIO C: Zero Net Migration			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	92,390	-4,819	-5%
Households	41,808	40,793	-1,014	-2%
Dwellings	**43,641**	**42,582**	**-1,059**	**-2%**
Size of Labour Force	50,340	44,956	-5,384	-11%
Number of Jobs	28,889	26,201	-2,688	-9%

STAFFORDSHIRE MOORLANDS	SCENARIO D: Short Term Migration Trends			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	97,150	-59	0%
Households	41,808	44,096	2,289	5%
Dwellings	**43,641**	**46,030**	**2,389**	**5%**
Size of Labour Force	50,340	44,215	-6,125	-12%
Number of Jobs	28,889	25,769	-3,120	-11%

STAFFORDSHIRE MOORLANDS	SCENARIO E: Long Term Migration Trends			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	99,048	1,839	2%
Households	41,808	44,810	3,002	7%
Dwellings	**43,641**	**46,774**	**3,134**	**7%**
Size of Labour Force	50,340	45,198	-5,142	-10%
Number of Jobs	28,889	26,342	-2,547	-9%

STAFFORDSHIRE MOORLANDS	SCENARIO G: Oxford Economics Job Growth			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	113,702	16,493	17%
Households	41,808	50,009	8,201	20%
Dwellings	**43,641**	**52,201**	**8,561**	**20%**
Size of Labour Force	50,340	53,307	2,967	6%
Number of Jobs	28,889	31,068	2,179	8%

STAFFORDSHIRE MOORLANDS	SCENARIO Ga: Oxford Economics Job Growth Sensitivity Test			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	108,902	11,693	12%
Households	41,808	48,271	6,463	15%
Dwellings	**43,641**	**50,387**	**6,747**	**15%**
Size of Labour Force	50,340	50,641	301	1%
Number of Jobs	28,889	31,068	2,179	8%

STAFFORDSHIRE MOORLANDS	SCENARIO H: Policy On Job Growth			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	118,543	21,334	22%
Households	41,808	51,749	9,941	24%
Dwellings	**43,641**	**54,018**	**10,377**	**24%**
Size of Labour Force	50,340	56,084	5,744	11%
Number of Jobs	28,889	32,687	3,798	13%

STAFFORDSHIRE MOORLANDS	SCENARIO Ha: Policy On Job Growth Sensitivity Test			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	113,505	16,296	17%
Households	41,808	49,925	8,118	19%
Dwellings	**43,641**	**52,114**	**8,474**	**19%**
Size of Labour Force	50,340	53,280	2,940	6%
Number of Jobs	28,889	32,687	3,798	13%

STAFFORDSHIRE MOORLANDS	SCENARIO I: Job Stabilisation			
	2011	2031	Change 2011-31	% Change 2011-31
Population	97,209	106,621	9,412	10%
Households	41,808	47,437	5,629	13%
Dwellings	**43,641**	**49,517**	**5,876**	**13%**
Size of Labour Force	50,340	49,443	-897	-2%
Number of Jobs	28,889	28,816	-73	0%

Appendix 3 PopGroup Modelling Outputs

Population Estimates and Forecasts

Scenario A: SM Baseline

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	2,554	128
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	3,517	176
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	3,671	184
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	-4,248	-212
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	-2,026	-101
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

Scenario Aa: SM Baseline + Static

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	2,554	128
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	43,746	43,961	44,148	44,323	44,492	44,642	44,779	44,921	45,054	45,184	45,313	45,440	45,544	45,631	45,708	45,768	3,377	169
Change in Households over pre	+560	+162	+135	+171	+178	+217	+177	+169	+169	+172	+184	+205	+215	+187	+175	+169	+150	+137	+142	+133	+130	+129	+127	+104	+86	+77	+60		
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	45,664	45,888	46,084	46,266	46,443	46,599	46,742	46,890	47,029	47,165	47,300	47,433	47,541	47,631	47,712	47,775	3,525	176
Change in over previous year	+585	+169	+141	+179	+186	+227	+184	+176	+177	+180	+192	+214	+224	+196	+182	+176	+156	+143	+148	+139	+136	+134	+133	+108	+90	+81	+63		
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	-4,248	-212
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	-2,026	-101
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

Scenario Ab: SM Baseline + Trend

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	2,554	128
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	43,680	43,824	43,935	44,030	44,117	44,183	44,238	44,299	44,354	44,412	44,476	44,535	44,638	44,718	44,782	44,828	2,604	130
Change in Households over pre	+560	+162	+135	+171	+178	+217	+177	+169	+169	+172	+184	+139	+144	+111	+94	+87	+66	+55	+61	+56	+58	+64	+59	+103	+80	+64	+46		
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	45,595	45,745	45,862	45,960	46,051	46,120	46,177	46,241	46,299	46,359	46,426	46,487	46,595	46,678	46,745	46,794	2,718	136
Change in over previous year	+585	+169	+141	+179	+186	+227	+184	+176	+177	+180	+192	+145	+150	+116	+99	+91	+69	+57	+64	+58	+60	+67	+61	+108	+83	+67	+48		
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	-4,248	-212
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	-2,026	-101
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

Scenario Ac: SM Baseline + Partial Catch Up

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	2,554	128
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	43,727	43,921	44,084	44,232	44,371	44,486	44,586	44,687	44,777	44,860	44,949	45,033	45,123	45,199	45,260	45,310	3,053	153
Change in Households over pre	+560	+162	+135	+171	+178	+217	+177	+169	+169	+172	+184	+186	+193	+164	+148	+139	+115	+100	+101	+90	+84	+89	+84	+90	+76	+62	+49		
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	45,644	45,846	46,017	46,172	46,316	46,436	46,540	46,646	46,740	46,827	46,920	47,007	47,101	47,180	47,245	47,296	3,186	159
Change in over previous year	+585	+169	+141	+179	+186	+227	+184	+176	+177	+180	+192	+194	+202	+171	+155	+145	+120	+104	+105	+94	+87	+93	+88	+94	+79	+64	+52		
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	-4,248	-212
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	-2,026	-101
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

Scenario Ad: SM Baseline + Catch Up

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	2,554	128
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	43,773	44,014	44,229	44,429	44,618	44,780	44,923	45,063	45,189	45,302	45,419	45,531	45,607	45,679	45,739	45,791	3,494	175
Change in Households over pre	+560	+162	+135	+171	+178	+217	+177	+169	+169	+172	+184	+232	+241	+215	+200	+188	+162	+143	+140	+126	+113	+117	+113	+76	+72	+59	+53		
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	45,692	45,944	46,168	46,377	46,574	46,743	46,893	47,038	47,170	47,288	47,410	47,527	47,607	47,682	47,744	47,799	3,647	182
Change in over previous year	+585	+169	+141	+179	+186	+227	+184	+176	+177	+180	+192	+242	+252	+224	+209	+197	+169	+150	+146	+132	+118	+122	+118	+79	+75	+62	+55		
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	-4,248	-212
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	-2,026	-101
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

Scenario B: SM Natural Change

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	1.83	1.81	1.79	1.79	1.76	1.74	1.71	1.69	1.67	1.65	1.62	1.60	1.58	1.57	1.57	1.57	1.57	1.57	1.58	1.60	1.62	1.64	1.67
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	99.3	97.2	94.1	93.8	92.0	90.5	88.6	87.2	86.3	85.1	84.0	82.9	81.8	81.2	80.2	79.4	78.6	77.9	77.5	77.1	76.6	75.9	75.8	75.7
SMR: females	108.1	110.8	101.9	100.5	99.4	100.0	98.3	97.1	96.2	95.5	94.5	93.2	92.5	91.3	90.6	89.4	88.8	88.0	87.1	86.6	85.9	85.4	84.5	83.9	83.5	83.1
SMR: persons	105.7	108.3	100.6	98.9	96.8	96.9	95.1	93.7	92.3	91.2	90.3	89.0	88.1	86.9	86.0	85.1	84.3	83.4	82.6	82.0	81.5	81.0	80.3	79.7	79.5	79.2
Expectation of life: males	78.8	78.6	79.2	79.4	79.7	79.7	80.0	80.1	80.4	80.5	80.7	80.9	81.1	81.2	81.4	81.5	81.7	81.8	82.0	82.1	82.2	82.3	82.5	82.7	82.7	82.8
Expectation of life: females	82.6	82.4	83.2	83.4	83.5	83.5	83.6	83.7	83.8	83.8	84.0	84.1	84.2	84.3	84.4	84.5	84.5	84.7	84.8	84.8	84.9	85.0	85.2	85.2	85.4	85.5
Expectation of life: persons	80.9	80.6	81.3	81.5	81.7	81.7	81.9	82.0	82.1	82.3	82.4	82.5	82.7	82.8	82.9	83.0	83.1	83.3	83.4	83.5	83.5	83.7	83.8	84.0	84.1	84.2
Deaths input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from the UK																										
Male	1,854	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
Female	1,883	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
All	3,737	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: males	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	0.0	0.0	0.0	0.0
SMigR: females	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	0.0	0.0	0.0	0.0
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Out-migration to the UK																										
Male	1,803	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
Female	1,805	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
All	3,608	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: males	40.2	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	40.2	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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from Overseas																										
Male	481	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
Female	473	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
All	954	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: 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	505	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
Female	399	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
All	903	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: males	204.8	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	211.5	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	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Migration - Net Flows																										
UK	+129	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
Overseas	+51	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
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	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
Net change	+28	-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
Crude Birth Rate /000	8.81	8.95	8.96	8.91	8.80	8.74	8.78	8.74	8.70	8.64	8.61	8.59	8.55	8.50	8.47	8.43	8.41	8.39	8.37	8.37	8.38	8.41	8.45	8.51	8.58	8.66
Crude Death Rate /000	10.38	10.89	10.26	10.28	10.27	10.53	10.56	10.64	10.75	10.92	11.11	11.25	11.45	11.63	11.84	12.07	12.29	12.53	12.76	13.01	13.28	13.56	13.79	14.04	14.33	14.59
Crude Net Migration Rate /000	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	4,626	4,529	4,401	4,299	4,279	4,256	4,230	4,202	4,180	4,159	4,132	4,105	4,076	4,048	4,019	3,989	3,960	3,933	3,909	3,887	3,870	3,857	3,851	3,850	3,855		
5-10	5,789	5,785	5,781	5,791	5,798	5,752	5,679	5,599	5,485	5,383	5,244	5,135	5,117	5,090	5,057	5,023	4,996	4,971	4,938	4,904	4,869	4,836	4,802	4,767	4,733	4,703	4,676		
11-15	5,524	5,382	5,223	5,097	4,975	4,918	4,839	4,801	4,829	4,810	4,801	4,818	4,733	4,620	4,523	4,395	4,293	4,274	4,251	4,225	4,197	4,175	4,154	4,128	4,100	4,072	4,044		
16-17	2,373	2,406	2,325	2,215	2,175	2,153	2,064	1,993	1,931	1,928	1,974	1,928	1,877	1,921	1,937	1,946	1,935	1,809	1,724	1,728	1,722	1,705	1,687	1,681	1,679	1,668	1,655		
18-59Female, 64Male	54,281	53,653	53,268	52,930	52,644	52,292	51,970	51,562	51,236	50,839	50,316	49,906	49,466	48,884	48,312	47,780	47,213	46,618	45,943	45,366	44,741	44,111	43,642	43,171	42,682	42,275	41,906		
60/65 -74	15,396	15,911	16,261	16,560	16,738	16,916	17,017	17,082	16,925	16,828	16,829	16,392	16,106	16,050	16,000	16,103	16,220	16,407	16,660	16,793	16,884	17,059	16,968	16,914	16,880	16,676	16,380		
75-84	6,602	6,775	7,018	7,214	7,436	7,613	7,848	8,184	8,566	8,912	9,217	9,869	10,375	10,735	11,069	11,232	11,348	11,390	11,334	11,219	11,191	10,828	10,632	10,499	10,358	10,426	10,544		
85+	2,535	2,586	2,548	2,585	2,621	2,704	2,779	2,825	2,919	3,019	3,144	3,259	3,406	3,532	3,665	3,794	3,956	4,157	4,417	4,653	4,876	5,338	5,712	5,961	6,194	6,289	6,369		
Total	97,209	97,237	97,048	96,922	96,789	96,646	96,474	96,303	96,120	95,922	95,704	95,466	95,211	94,936	94,640	94,321	93,979	93,615	93,228	92,820	92,390	91,938	91,466	90,979	90,477	89,958	89,427	-4,819	-241
Dependency ratios, mean age and sex ratio																													
0-15 / 16-65	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27		
65+ / 16-65	0.34	0.36	0.38	0.39	0.40	0.41	0.42	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.53	0.54	0.56	0.57	0.58	0.60	0.61	0.63	0.64	0.65	0.66		
0-15 and 65+ / 16-65	0.60	0.63	0.64	0.65	0.67	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.78	0.79	0.81	0.83	0.84	0.86	0.88	0.89	0.91	0.92	0.94		
Median age males	43.7	44.3	44.7	45.1	45.5	45.9	46.3	46.7	47.1	47.5	47.8	48.0	48.2	48.3	48.3	48.3	48.2	48.0	48.0	47.9	47.8	47.6	47.4	47.3	47.2	47.1	47.2		
Median age females	45.5	45.9	46.3	46.7	47.1	47.5	47.9	48.4	48.8	49.2	49.5	49.9	50.2	50.5	50.7	50.9	51.0	51.1	51.2	51.2	51.2	51.1	51.0	50.9	50.8	50.6	50.4		
Sex ratio males /100 females	96.9	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8		
Population impact of constraint																													
Number of persons	+151	+28																											
Households																													
Number of Households	41,808	41,969	41,943	41,950	41,942	41,951	41,905	41,848	41,867	41,911	41,957	41,979	42,008	42,034	42,034	42,038	42,012	41,961	41,959	41,963	41,927	41,844	41,754	41,641	41,511	41,344	41,134	119	6
Change in Households over pre	+560	+162	-26	+8	-9	+9	-46	-58	+20	+43	+47	+22	+28	+27	-0	+4	-26	-51	-2	+4	-36	-82	-90	-113	-129	-168	-210		
Number of supply units	43,641	43,809	43,782	43,790	43,781	43,790	43,743	43,682	43,703	43,748	43,797	43,820	43,849	43,877	43,877	43,881	43,854	43,801	43,799	43,803	43,765	43,679	43,584	43,466	43,331	43,156	42,937	124	6
Change in over previous year	+585	+169	-28	+8	-9	+10	-48	-60	+21	+45	+49	+23	+30	+28	-0	+4	-27	-54	-2	+4	-38	-86	-94	-118	-135	-175	-220		
Labour Force																													
Number of Labour Force	50,340	50,159	49,780	49,565	49,407	49,218	48,937	48,614	48,408	48,192	47,793	47,403	46,982	46,562	46,189	45,732	45,253	44,797	44,314	43,890	43,439	42,944	42,518	42,074	41,664	41,278	40,900	-6,901	-345
Change in Labour Force over pr	-131	-181	-379	-215	-159	-189	-281	-322	-206	-216	-399	-390	-421	-421	-372	-457	-478	-456	-483	-424	-451	-495	-426	-444	-410	-386	-378		
Number of supply units	28,889	28,816	28,871	28,746	28,654	28,573	28,438	28,278	28,186	28,087	27,855	27,628	27,382	27,137	26,920	26,654	26,375	26,109	25,827	25,580	25,317	25,029	24,781	24,522	24,283	24,058	23,837	-3,572	-179
Change in over previous year	-382	-73	+54	-125	-92	-82	-135	-160	-92	-98	-232	-228	-245	-245	-217	-267	-279	-266	-282	-247	-263	-288	-248	-259	-239	-225	-221		

Population Estimates and Forecasts

Scenario C: SM Zero Net Migration

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	1.82	1.80	1.76	1.72	1.68	1.67	1.64	1.62	1.59	1.58	1.57	1.56	1.55	1.54	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.55	1.56	1.56	1.57
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	99.8	98.1	95.5	95.7	94.3	93.3	91.9	91.1	90.8	90.1	89.7	89.2	88.9	89.0	88.8	88.9	89.0	89.2	89.8	90.5	91.2	91.6	92.8	94.0
SMR: females	108.1	110.8	102.5	101.8	101.3	102.5	101.4	100.9	100.7	100.7	100.4	99.8	99.8	99.4	99.5	99.2	99.5	99.6	99.6	100.1	100.6	101.2	101.4	102.0	103.0	104.0
SMR: persons	105.7	108.3	101.2	99.9	98.4	99.1	97.8	97.0	96.2	95.7	95.4	94.7	94.5	94.1	93.9	93.8	93.8	93.9	94.0	94.3	94.9	95.5	96.0	96.5	97.6	98.7
Expectation of life: males	78.8	78.6	79.1	79.3	79.6	79.6	79.8	79.9	80.1	80.2	80.3	80.4	80.6	80.7	80.7	80.8	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.2	81.2	81.2
Expectation of life: females	82.6	82.4	83.2	83.3	83.4	83.3	83.4	83.4	83.4	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
Expectation of life: persons	80.9	80.6	81.3	81.4	81.6	81.5	81.7	81.7	81.8	81.9	82.0	82.0	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.6	82.6	82.6
Deaths input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from the UK																										
Male	1,854	1,716	1,721	1,722	1,722	1,719	1,722	1,721	1,718	1,716	1,714	1,715	1,716	1,714	1,716	1,722	1,724	1,728	1,732	1,733	1,736	1,740	1,745	1,749	1,753	1,758
Female	1,883	1,737	1,737	1,732	1,727	1,719	1,717	1,711	1,705	1,699	1,695	1,695	1,695	1,694	1,696	1,703	1,705	1,710	1,715	1,716	1,720	1,724	1,728	1,732	1,736	1,740
All	3,737	3,454	3,457	3,455	3,449	3,439	3,439	3,432	3,423	3,415	3,409	3,410	3,412	3,408	3,413	3,425	3,429	3,438	3,446	3,449	3,456	3,464	3,473	3,482	3,489	3,498
SMigR: males	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	0.0
SMigR: females	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	0.0
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Out-migration to the UK																										
Male	1,803	1,719	1,719	1,717	1,713	1,711	1,712	1,711	1,709	1,708	1,706	1,707	1,707	1,705	1,707	1,713	1,715	1,720	1,725	1,725	1,729	1,733	1,738	1,742	1,746	1,751
Female	1,805	1,734	1,738	1,738	1,736	1,728	1,726	1,722	1,713	1,706	1,703	1,703	1,704	1,703	1,705	1,711	1,714	1,718	1,722	1,723	1,727	1,731	1,736	1,740	1,743	1,748
All	3,608	3,454	3,457	3,455	3,449	3,439	3,439	3,432	3,423	3,415	3,409	3,410	3,412	3,408	3,413	3,425	3,429	3,438	3,446	3,449	3,456	3,464	3,473	3,482	3,489	3,498
SMigR: males	40.2	38.8	38.5	38.2	37.9	37.7	37.7	37.7	37.7	37.7	37.8	38.0	38.2	38.3	38.5	38.7	38.9	39.1	39.3	39.4	39.6	39.8	40.1	40.3	40.6	40.9
SMigR: females	40.2	38.8	38.5	38.2	37.9	37.7	37.7	37.7	37.7	37.7	37.8	38.0	38.2	38.3	38.5	38.7	38.9	39.1	39.3	39.4	39.6	39.8	40.1	40.3	40.6	40.9
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from Overseas																										
Male	481	61	61	61	62	61	62	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Female	473	50	50	50	51	51	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
All	954	111	111	111	114	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
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	505	63	63	63	64	63	63	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
Female	399	48	49	49	50	49	49	49	49	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
All	903	111	111	111	114	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
SMigR: males	204.8	25.7	25.6	25.4	25.8	25.3	25.3	24.9	24.9	24.9	25.0	25.1	25.3	25.4	25.5	25.6	25.8	25.8	25.9	26.0	26.1	26.1	26.2	26.3	26.4	26.5
SMigR: females	211.5	25.7	25.6	25.4	25.8	25.3	25.3	24.9	24.9	24.9	25.0	25.1	25.3	25.4	25.5	25.6	25.8	25.8	25.9	26.0	26.1	26.1	26.2	26.3	26.4	26.5
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Migration - Net Flows																										
UK	+129	-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
Overseas	+51	-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
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	-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
Net change	+28	-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
Crude Birth Rate /000	8.81	8.95	8.96	8.91	8.80	8.74	8.78	8.74	8.70	8.64	8.61	8.59	8.55	8.50	8.47	8.43	8.41	8.39	8.37	8.37	8.38	8.41	8.45	8.51	8.58	8.66
Crude Death Rate /000	10.38	10.89	10.26	10.28	10.27	10.53	10.56	10.64	10.75	10.92	11.11	11.25	11.45	11.63	11.84	12.07	12.29	12.53	12.76	13.01	13.28	13.56	13.79	14.04	14.33	14.59
Crude Net Migration Rate /000	1.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	4,657	4,595	4,506	4,435	4,421	4,406	4,385	4,362	4,340	4,319	4,293	4,265	4,235	4,204	4,173	4,141	4,110	4,080	4,053	4,029	4,008	3,992	3,983	3,978	3,979		
5-10	5,789	5,785	5,781	5,803	5,828	5,817	5,799	5,772	5,715	5,669	5,593	5,531	5,517	5,501	5,475	5,446	5,418	5,388	5,352	5,313	5,272	5,231	5,190	5,147	5,106	5,068	5,032		
11-15	5,524	5,382	5,207	5,070	4,942	4,882	4,817	4,803	4,854	4,867	4,889	4,934	4,917	4,864	4,828	4,768	4,715	4,698	4,686	4,665	4,642	4,617	4,591	4,559	4,525	4,489	4,453		
16-17	2,373	2,406	2,315	2,204	2,160	2,130	2,040	1,968	1,911	1,913	1,956	1,934	1,916	1,966	1,988	1,996	2,004	1,953	1,908	1,904	1,904	1,894	1,883	1,876	1,870	1,858	1,844		
18-59Female, 64Male	54,281	53,653	53,392	53,159	52,964	52,699	52,451	52,113	51,841	51,499	51,046	50,690	50,305	49,822	49,359	48,940	48,499	48,045	47,554	47,175	46,757	46,354	46,076	45,811	45,550	45,340	45,164		
60/65 -74	15,396	15,911	16,179	16,395	16,492	16,590	16,614	16,602	16,389	16,236	16,173	15,711	15,402	15,304	15,220	15,273	15,341	15,460	15,628	15,708	15,748	15,837	15,721	15,623	15,522	15,300	15,001		
75-84	6,602	6,775	6,986	7,147	7,332	7,469	7,660	7,945	8,271	8,556	8,802	9,369	9,788	10,068	10,315	10,413	10,463	10,447	10,350	10,206	10,135	9,791	9,596	9,464	9,340	9,377	9,460		
85+	2,535	2,586	2,530	2,548	2,565	2,623	2,673	2,694	2,755	2,821	2,904	2,977	3,073	3,146	3,220	3,280	3,365	3,482	3,639	3,768	3,879	4,186	4,401	4,506	4,582	4,549	4,495		
Total	97,209	97,237	97,048	96,922	96,789	96,646	96,474	96,303	96,120	95,922	95,704	95,466	95,211	94,936	94,640	94,321	93,979	93,615	93,228	92,820	92,390	91,938	91,466	90,979	90,477	89,958	89,427	-4,819	-241
Dependency ratios, mean age and sex ratio																													
0-15 / 16-65	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27		
65+ / 16-65	0.34	0.36	0.37	0.39	0.40	0.40	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.53		
0-15 and 65+ / 16-65	0.60	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.80	0.80	0.80	0.81		
Median age males	43.7	44.3	44.5	44.8	45.0	45.3	45.5	45.7	45.9	45.9	45.9	45.9	45.7	45.4	45.2	45.1	45.0	44.9	44.7	44.6	44.5	44.5	44.4	44.4	44.4	44.4	44.4		
Median age females	45.5	45.9	46.1	46.4	46.6	46.9	47.2	47.5	47.7	47.9	48.1	48.2	48.2	48.2	48.2	48.1	47.9	47.8	47.7	47.6	47.5	47.4	47.3	47.2	47.1	47.1	47.0		
Sex ratio males /100 females	96.9	96.8	96.9	96.9	97.0	97.2	97.3	97.4	97.5	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4		
Population impact of constraint																													
Number of persons	+151	+28																											
Households																													
Number of Households	41,808	41,969	41,842	41,767	41,700	41,662	41,590	41,526	41,506	41,484	41,469	41,441	41,410	41,370	41,320	41,268	41,196	41,107	41,024	40,917	40,793	40,629	40,462	40,266	40,049	39,811	39,553	-1,014	-51
Change in Households over pre	+560	+162	-127	-75	-67	-38	-72	-64	-20	-22	-15	-28	-31	-40	-51	-51	-72	-89	-83	-107	-124	-164	-167	-196	-217	-238	-258		
Number of supply units	43,641	43,809	43,677	43,598	43,528	43,488	43,413	43,347	43,326	43,302	43,287	43,257	43,225	43,184	43,131	43,077	43,002	42,909	42,823	42,711	42,582	42,411	42,236	42,031	41,805	41,556	41,287	-1,059	-53
Change in over previous year	+585	+169	-132	-79	-70	-40	-75	-67	-21	-23	-16	-29	-32	-41	-53	-54	-75	-93	-86	-112	-129	-171	-174	-205	-226	-249	-269		
Labour Force																													
Number of Labour Force	50,340	50,159	49,877	49,752	49,658	49,526	49,300	49,039	48,876	48,694	48,347	48,007	47,649	47,294	46,980	46,619	46,260	45,922	45,571	45,268	44,956	44,636	44,361	44,076	43,816	43,572	43,341	-5,384	-269
Change in Labour Force over pr	-131	-181	-282	-126	-94	-132	-226	-261	-163	-181	-347	-340	-358	-355	-314	-362	-359	-338	-351	-303	-312	-320	-275	-285	-259	-244	-231		
Number of supply units	28,889	28,816	28,927	28,854	28,800	28,752	28,649	28,525	28,458	28,380	28,178	27,980	27,771	27,564	27,381	27,171	26,961	26,764	26,560	26,383	26,201	26,015	25,854	25,688	25,537	25,395	25,260	-2,688	-134
Change in over previous year	-382	-73	+111	-73	-54	-48	-103	-124	-67	-78	-202	-198	-209	-207	-183	-211	-209	-197	-205	-177	-182	-187	-160	-166	-151	-142	-135		

Population Estimates and Forecasts

Scenario D: Short Term Migration Trend

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	469	468	465	462	459	456	453	449	445	441	437	433	428	423	418	413	407	402	397	392	388	385	382	379	378
Female	418	446	446	443	440	437	434	431	428	424	420	416	412	408	403	398	393	388	383	378	374	370	366	363	361	360
All Births	857	915	914	908	902	896	890	884	877	869	862	854	845	836	826	816	806	796	785	775	766	758	751	745	741	738
TFR	1.75	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	482	481	477	488	491	496	499	505	515	522	530	538	546	556	563	571	579	587	597	606	613	619	627	633
Female	532	552	506	502	501	510	506	506	510	516	522	524	531	536	544	550	558	567	573	582	591	600	605	614	623	631
All deaths	1,009	1,058	987	983	978	998	997	1,002	1,009	1,022	1,036	1,046	1,061	1,074	1,089	1,106	1,121	1,138	1,152	1,170	1,188	1,205	1,219	1,233	1,250	1,264
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	83.1	83.3	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	85.2	85.4	85.6	85.7	86.0	86.1	86.3	86.5	86.6	86.7	86.9	87.0	87.2	87.3	87.4
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	83.6	83.8	84.1	84.2	84.4	84.6	84.8	85.0	85.1	85.3	85.4	85.6	85.7	85.8	86.0
Deaths input	.																									
In-migration from the UK																										
Male	1,854	1,685	1,686	1,687	1,689	1,691	1,692	1,694	1,695	1,697	1,699	1,700	1,701	1,701	1,701	1,700	1,699	1,698	1,697	1,696	1,695	1,694	1,693	1,692	1,692	1,691
Female	1,883	1,810	1,809	1,808	1,806	1,804	1,803	1,801	1,800	1,798	1,796	1,795	1,794	1,794	1,794	1,795	1,796	1,797	1,798	1,799	1,800	1,801	1,802	1,803	1,803	1,804
All	3,737	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495	3,495
SMigR: males	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Out-migration to the UK																										
Male	1,803	1,584	1,598	1,598	1,598	1,613	1,610	1,610	1,618	1,623	1,617	1,617	1,613	1,616	1,614	1,614	1,612	1,613	1,612	1,608	1,609	1,607	1,607	1,607	1,606	1,606
Female	1,805	1,745	1,731	1,731	1,731	1,716	1,719	1,719	1,711	1,706	1,712	1,712	1,716	1,713	1,715	1,715	1,717	1,716	1,717	1,721	1,720	1,722	1,722	1,722	1,723	1,723
All	3,608	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329	3,329
SMigR: males	40.2	35.7	35.9	35.9	36.0	36.4	36.5	36.6	37.0	37.3	37.3	37.5	37.6	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.4	38.5	38.6
SMigR: females	40.2	39.0	38.8	38.9	39.1	39.1	39.5	39.8	39.9	40.2	40.6	40.8	41.0	41.2	41.4	41.5	41.6	41.7	41.8	42.0	42.0	42.1	42.2	42.3	42.5	42.6
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
In-migration from Overseas																										
Male	481	78	78	78	79	78	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
Female	473	61	61	61	60	61	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
All	954	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
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	505	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
Female	399	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
All	903	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
SMigR: males	204.8	25.7	25.8	25.9	26.0	26.1	26.3	26.5	26.6	26.9	27.1	27.3	27.6	27.8	28.0	28.2	28.4	28.5	28.6	28.7	28.7	28.8	28.9	28.9	29.0	29.1
SMigR: females	211.5	25.6	25.8	25.9	26.1	26.3	26.6	26.8	27.1	27.4	27.8	28.1	28.5	28.8	29.1	29.4	29.7	29.9	30.1	30.3	30.4	30.6	30.7	30.8	31.0	31.1
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Migration - Net Flows																										
UK	+129	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166	+166
Overseas	+51	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28	+28
Summary of population change																										
Natural change	-152	-144	-74	-76	-76	-102	-106	-118	-133	-152	-175	-193	-216	-238	-263	-289	-315	-342	-367	-394	-421	-447	-468	-488	-510	-526
Net migration	+180	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194	+194
Net change	+28	+50	+120	+118	+118	+92	+88	+76	+61	+42	+19	+1	-22	-44	-69	-95	-121	-148	-173	-200	-227	-253	-274	-294	-316	-332
Crude Birth Rate /000	8.81	9.41	9.39	9.31	9.24	9.17	9.10	9.03	8.95	8.87	8.79	8.71	8.62	8.53	8.44	8.34	8.25	8.15	8.06	7.97	7.89	7.83	7.78	7.74	7.72	7.71
Crude Death Rate /000	10.38	10.88	10.14	10.09	10.02	10.22	10.19	10.24	10.31	10.43	10.57	10.68	10.82	10.96	11.12	11.30	11.47	11.66	11.83	12.03	12.24	12.45	12.63	12.81	13.03	13.22
Crude Net Migration Rate /000	1.85	1.99	1.99	1.99	1.99	1.99	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.99	1.99	1.99	1.99	2.00	2.00	2.01	2.02	2.02	2.03

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	4,747	4,764	4,739	4,726	4,759	4,740	4,711	4,679	4,644	4,606	4,568	4,528	4,487	4,443	4,397	4,349	4,299	4,248	4,197	4,147	4,099	4,054	4,015	3,981	3,953		
5-10	5,789	5,785	5,858	5,948	6,035	6,081	6,114	6,167	6,174	6,184	6,159	6,138	6,153	6,129	6,092	6,051	6,008	5,960	5,910	5,857	5,802	5,744	5,685	5,623	5,561	5,498	5,437		
11-15	5,524	5,382	5,226	5,140	5,063	5,054	5,039	5,075	5,177	5,232	5,293	5,374	5,388	5,390	5,407	5,392	5,380	5,397	5,381	5,353	5,320	5,282	5,241	5,198	5,153	5,105	5,056		
16-17	2,373	2,406	2,244	2,077	2,014	1,992	1,919	1,865	1,825	1,844	1,902	1,896	1,894	1,958	1,988	2,005	2,022	1,984	1,975	2,000	2,001	1,997	1,989	1,978	1,965	1,950	1,933		
18-59Female, 64Male	54,281	53,653	53,334	53,014	52,716	52,333	51,970	51,524	51,159	50,738	50,211	49,783	49,323	48,769	48,235	47,741	47,218	46,678	46,099	45,632	45,140	44,655	44,293	43,946	43,604	43,305	43,043		
60/65 -74	15,396	15,911	16,278	16,594	16,791	16,991	17,117	17,208	17,093	17,039	17,080	16,705	16,497	16,509	16,536	16,710	16,902	17,145	17,440	17,651	17,823	18,040	18,039	18,047	18,044	17,905	17,670		
75-84	6,602	6,775	7,031	7,234	7,457	7,630	7,862	8,195	8,572	8,909	9,208	9,852	10,343	10,689	11,005	11,173	11,287	11,331	11,290	11,206	11,203	10,902	10,780	10,735	10,706	10,856	11,058		
85+	2,535	2,586	2,569	2,637	2,711	2,837	2,955	3,049	3,188	3,335	3,505	3,667	3,858	4,030	4,208	4,374	4,579	4,828	5,129	5,404	5,665	6,156	6,543	6,813	7,054	7,184	7,302		
Total	97,209	97,237	97,287	97,408	97,526	97,644	97,736	97,824	97,900	97,961	98,002	98,022	98,023	98,001	97,958	97,889	97,793	97,672	97,524	97,350	97,150	96,923	96,669	96,395	96,101	95,785	95,453	-59	-3
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	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30		
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	0.51	0.52	0.53	0.54	0.56	0.57	0.59	0.60	0.62	0.63	0.65	0.66	0.68	0.69		
0-15 and 65+ / 16-65	0.60	0.63	0.64	0.66	0.68	0.69	0.71	0.72	0.74	0.75	0.76	0.77	0.79	0.80	0.81	0.83	0.84	0.86	0.87	0.89	0.90	0.92	0.93	0.95	0.96	0.98	0.99		
Median age males	43.7	44.3	44.6	45.0	45.4	45.8	46.2	46.6	47.0	47.3	47.6	47.8	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.5	48.6	48.7	48.8	48.8	48.9	49.0	49.0		
Median age females	45.5	45.9	46.3	46.7	47.1	47.6	48.0	48.5	48.9	49.3	49.7	50.0	50.4	50.7	51.0	51.2	51.5	51.7	51.8	52.0	52.1	52.2	52.4	52.5	52.7	52.8	53.0		
Sex ratio males /100 females	96.9	96.8	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4		
Population impact of constraint																													
Number of persons	+151	+28																											
Households																													
Number of Households	41,808	41,969	42,080	42,234	42,383	42,549	42,669	42,794	42,943	43,078	43,212	43,322	43,431	43,533	43,624	43,722	43,812	43,894	43,983	44,047	44,096	44,107	44,111	44,085	44,038	43,974	43,893	2,289	114
Change in Households over pre	+560	+162	+110	+154	+149	+166	+119	+125	+149	+136	+133	+110	+110	+102	+90	+99	+90	+82	+88	+64	+49	+11	+5	-27	-46	-64	-81		
Number of supply units	43,641	43,809	43,924	44,085	44,241	44,415	44,539	44,670	44,825	44,967	45,106	45,221	45,335	45,442	45,536	45,639	45,733	45,819	45,911	45,978	46,030	46,041	46,045	46,017	45,969	45,902	45,817	2,389	119
Change in over previous year	+585	+169	+115	+161	+156	+174	+124	+131	+155	+142	+139	+115	+115	+107	+94	+103	+94	+86	+92	+67	+52	+11	+5	-28	-48	-67	-85		
Labour Force																													
Number of Labour Force	50,340	50,159	49,889	49,735	49,597	49,413	49,125	48,804	48,590	48,370	47,976	47,597	47,205	46,812	46,461	46,062	45,666	45,295	44,911	44,570	44,215	43,849	43,531	43,199	42,890	42,593	42,310	-6,125	-306
Change in Labour Force over pr	-131	-181	-270	-154	-138	-184	-288	-321	-214	-220	-394	-379	-392	-392	-352	-398	-396	-371	-385	-340	-355	-366	-317	-333	-309	-296	-283		
Number of supply units	28,889	28,816	28,934	28,844	28,765	28,686	28,547	28,388	28,292	28,191	27,962	27,741	27,512	27,283	27,078	26,846	26,615	26,399	26,175	25,977	25,769	25,556	25,371	25,177	24,997	24,824	24,659	-3,120	-156
Change in over previous year	-382	-73	+118	-89	-80	-78	-139	-158	-97	-101	-229	-221	-229	-229	-205	-232	-231	-216	-224	-198	-207	-214	-185	-194	-180	-173	-165		

Population Estimates and Forecasts

Scenario E: Long Term Migration Trend

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	469	469	467	465	463	461	458	455	452	449	446	442	438	433	428	424	419	414	409	405	401	398	396	394	393
Female	418	447	447	445	443	441	439	436	434	431	428	424	421	417	413	408	403	399	394	390	386	382	379	377	375	374
All Births	857	916	916	912	908	904	900	895	889	883	877	870	863	854	846	837	827	818	808	799	791	783	777	772	769	768
TFR	1.75	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	482	482	478	489	492	497	501	507	517	524	532	540	548	559	567	575	583	591	601	611	619	624	633	640
Female	532	552	506	503	502	512	508	509	513	519	525	528	535	540	548	555	563	572	579	588	597	606	612	621	631	639
All deaths	1,009	1,058	988	985	980	1,000	1,000	1,005	1,013	1,026	1,042	1,052	1,067	1,080	1,096	1,113	1,130	1,147	1,162	1,180	1,198	1,216	1,231	1,246	1,264	1,278
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	83.1	83.3	83.5	83.6	83.8	84.0	84.2	84.2	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	85.2	85.4	85.6	85.7	86.0	86.1	86.3	86.5	86.6	86.7	86.9	87.0	87.2	87.3	87.4
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	83.6	83.8	84.1	84.2	84.4	84.6	84.8	85.0	85.1	85.3	85.4	85.6	85.7	85.8	86.0
Deaths input	*																									
In-migration from the UK																										
Male	1,854	1,783	1,785	1,786	1,788	1,789	1,791	1,793	1,794	1,796	1,798	1,799	1,800	1,800	1,800	1,799	1,798	1,797	1,796	1,795	1,794	1,793	1,792	1,791	1,790	1,789
Female	1,883	1,916	1,914	1,913	1,911	1,910	1,908	1,906	1,905	1,903	1,901	1,900	1,899	1,899	1,899	1,900	1,901	1,902	1,903	1,904	1,905	1,906	1,907	1,908	1,909	1,910
All	3,737	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699	3,699
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	0.0	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	1,803	1,632	1,646	1,647	1,647	1,662	1,659	1,658	1,667	1,672	1,666	1,666	1,662	1,665	1,663	1,663	1,661	1,662	1,661	1,657	1,658	1,656	1,656	1,656	1,655	1,655
Female	1,805	1,798	1,784	1,783	1,783	1,768	1,771	1,772	1,763	1,758	1,764	1,764	1,768	1,765	1,767	1,767	1,769	1,768	1,769	1,773	1,772	1,774	1,774	1,774	1,775	1,775
All	3,608	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430	3,430
SMigR: males	40.2	36.8	37.0	37.0	37.0	37.4	37.4	37.5	37.8	38.1	38.1	38.3	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.5	38.5	38.6	38.6	38.6
SMigR: females	40.2	40.2	39.9	40.0	40.2	40.1	40.4	40.7	40.8	41.0	41.3	41.5	41.7	41.8	41.9	42.0	42.1	42.1	42.2	42.3	42.3	42.3	42.3	42.4	42.5	42.5
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																										
Male	481	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
Female	473	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
All	954	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
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	505	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
Female	399	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
All	903	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
SMigR: males	204.8	26.4	26.5	26.5	26.6	26.7	26.9	27.0	27.2	27.3	27.6	27.8	28.0	28.2	28.4	28.6	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	29.0
SMigR: females	211.5	26.3	26.5	26.6	26.7	26.8	27.1	27.3	27.6	27.9	28.2	28.5	28.8	29.1	29.4	29.6	29.9	30.0	30.2	30.3	30.4	30.5	30.6	30.7	30.7	30.8
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	+129	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	+269	
Overseas	+51	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	+16	
Summary of population change																										
Natural change	-152	-143	-72	-72	-72	-96	-100	-111	-124	-143	-165	-182	-204	-226	-251	-277	-303	-329	-354	-381	-408	-433	-454	-473	-495	-511
Net migration	+180	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285	+285
Net change	+28	+142	+213	+213	+213	+189	+185	+174	+161	+142	+120	+103	+81	+59	+34	+8	-18	-44	-69	-96	-123	-148	-169	-188	-210	-226
Crude Birth Rate /000	8.81	9.41	9.40	9.34	9.27	9.21	9.15	9.09	9.01	8.94	8.86	8.79	8.70	8.61	8.52	8.43	8.33	8.24	8.15	8.06	7.99	7.92	7.87	7.84	7.83	7.83
Crude Death Rate /000	10.38	10.88	10.13	10.08	10.01	10.20	10.17	10.21	10.27	10.39	10.53	10.62	10.76	10.89	11.05	11.22	11.38	11.55	11.71	11.90	12.10	12.31	12.47	12.64	12.86	13.03
Crude Net Migration Rate /000	1.85	2.93	2.92	2.92	2.91	2.90	2.90	2.89	2.89	2.88	2.88	2.88	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.88	2.88	2.88	2.89	2.89	2.90	2.91

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	4,758	4,786	4,773	4,770	4,811	4,801	4,781	4,757	4,728	4,698	4,666	4,633	4,597	4,559	4,518	4,474	4,429	4,382	4,335	4,289	4,245	4,205	4,170	4,141	4,119		
5-10	5,789	5,785	5,867	5,966	6,063	6,120	6,165	6,231	6,250	6,273	6,261	6,252	6,277	6,263	6,236	6,204	6,169	6,129	6,087	6,041	5,992	5,940	5,886	5,829	5,771	5,714	5,657		
11-15	5,524	5,382	5,230	5,150	5,078	5,076	5,067	5,111	5,222	5,285	5,356	5,446	5,470	5,483	5,511	5,507	5,505	5,530	5,523	5,504	5,479	5,448	5,414	5,376	5,337	5,295	5,251		
16-17	2,373	2,406	2,243	2,074	2,012	1,991	1,920	1,868	1,830	1,852	1,913	1,910	1,912	1,979	2,013	2,033	2,055	2,022	2,018	2,046	2,051	2,050	2,046	2,039	2,029	2,016	2,002		
18-59Female, 64Male	54,281	53,653	53,392	53,129	52,886	52,558	52,249	51,857	51,546	51,179	50,705	50,331	49,924	49,424	48,945	48,506	48,039	47,556	47,036	46,627	46,195	45,770	45,470	45,185	44,906	44,671	44,473		
60/65 -74	15,396	15,911	16,283	16,605	16,809	17,016	17,150	17,248	17,141	17,096	17,146	16,781	16,583	16,606	16,645	16,830	17,035	17,291	17,598	17,823	18,009	18,240	18,253	18,273	18,282	18,155	17,931		
75-84	6,602	6,775	7,034	7,240	7,466	7,641	7,875	8,212	8,591	8,931	9,233	9,881	10,376	10,726	11,046	11,220	11,338	11,388	11,352	11,273	11,276	10,981	10,865	10,827	10,807	10,965	11,176		
85+	2,535	2,586	2,571	2,642	2,719	2,847	2,968	3,064	3,206	3,355	3,527	3,691	3,884	4,059	4,239	4,408	4,615	4,866	5,170	5,448	5,712	6,208	6,600	6,874	7,119	7,254	7,376		
Total	97,209	97,237	97,379	97,593	97,805	98,019	98,207	98,392	98,566	98,727	98,869	98,989	99,092	99,173	99,232	99,266	99,274	99,257	99,213	99,144	99,048	98,926	98,777	98,609	98,420	98,211	97,985	1,839	92
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	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30		
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	0.54	0.55	0.57	0.58	0.60	0.61	0.62	0.64	0.65	0.66	0.67		
0-15 and 65+ / 16-65	0.60	0.63	0.64	0.66	0.68	0.69	0.71	0.72	0.74	0.75	0.76	0.77	0.79	0.80	0.81	0.82	0.84	0.85	0.87	0.88	0.90	0.91	0.93	0.94	0.95	0.97	0.98		
Median age males	43.7	44.3	44.6	45.0	45.4	45.8	46.2	46.5	46.9	47.2	47.5	47.7	47.8	48.0	48.0	48.0	48.0	48.1	48.2	48.2	48.3	48.4	48.4	48.5	48.5	48.6	48.7		
Median age females	45.5	45.9	46.3	46.7	47.1	47.5	47.9	48.4	48.8	49.1	49.5	49.9	50.2	50.5	50.8	51.0	51.2	51.3	51.5	51.6	51.7	51.8	51.9	52.1	52.2	52.4	52.5		
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	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3		
Population impact of constraint																													
Number of persons	+151	+28																											
Households																													
Number of Households	41,808	41,969	42,112	42,300	42,483	42,685	42,840	43,003	43,188	43,361	43,531	43,678	43,824	43,964	44,093	44,231	44,362	44,484	44,613	44,719	44,810	44,862	44,908	44,924	44,920	44,898	44,860	3,002	150
Change in Households over pre	+560	+162	+143	+187	+184	+202	+155	+163	+186	+172	+170	+147	+147	+140	+129	+138	+130	+123	+129	+105	+91	+52	+47	+15	-4	-22	-38		
Number of supply units	43,641	43,809	43,958	44,154	44,346	44,556	44,718	44,888	45,082	45,262	45,439	45,592	45,746	45,892	46,026	46,171	46,306	46,434	46,569	46,679	46,774	46,829	46,877	46,893	46,889	46,866	46,827	3,134	157
Change in over previous year	+585	+169	+149	+196	+192	+211	+162	+170	+194	+180	+177	+153	+153	+146	+135	+144	+136	+128	+135	+110	+95	+54	+49	+16	-4	-23	-40		
Labour Force																													
Number of Labour Force	50,340	50,159	49,942	49,840	49,753	49,620	49,381	49,111	48,947	48,777	48,433	48,104	47,763	47,421	47,120	46,774	46,431	46,113	45,783	45,498	45,198	44,888	44,628	44,352	44,101	43,862	43,637	-5,142	-257
Change in Labour Force over pr	-131	-181	-217	-102	-87	-133	-238	-270	-164	-170	-344	-329	-342	-342	-301	-346	-343	-317	-330	-286	-300	-310	-261	-275	-251	-239	-225		
Number of supply units	28,889	28,816	28,965	28,905	28,855	28,806	28,696	28,567	28,500	28,428	28,228	28,036	27,837	27,638	27,463	27,261	27,061	26,876	26,683	26,517	26,342	26,162	26,010	25,849	25,703	25,564	25,433	-2,547	-127
Change in over previous year	-382	-73	+148	-59	-50	-49	-110	-129	-67	-71	-200	-192	-199	-199	-175	-202	-200	-185	-192	-166	-175	-181	-152	-161	-147	-139	-131		

Population Estimates and Forecasts

Scenario G: SM Oxford Economics Job growth

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	16,493	825
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	2,967	148
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	2,179	109
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	8,201	410
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	8,561	428
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

Scenario Ga: SM Oxford Economics Job Growth + 5 % Red in Comm

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	456	460	465	471	478	482	484	489	492	495	496	496	496	496	496	495	494	494	495	492	490	488	487	487
Female	418	446	432	435	438	443	449	455	459	461	466	469	471	472	472	473	472	471	470	470	471	469	466	465	464	463
All Births	857	915	887	891	898	908	920	933	941	945	954	961	966	969	968	969	969	966	964	964	966	961	956	953	951	950
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	1.90
Births input	•																										
Deaths																										
Male	477	506	479	481	478	490	495	502	507	514	525	534	543	553	562	574	583	593	603	612	624	634	644	650	660	668
Female	532	552	503	503	505	517	516	519	525	533	540	545	553	559	568	576	586	595	603	614	625	634	641	651	661	670
All deaths	1,009	1,058	982	983	982	1,007	1,011	1,021	1,032	1,047	1,066	1,079	1,096	1,112	1,130	1,150	1,169	1,188	1,206	1,227	1,249	1,269	1,285	1,301	1,321	1,338
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	81.3	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	83.3	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	84.6	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	1,856	1,878	1,888	1,915	1,927	1,875	1,835	1,891	1,866	1,857	1,849	1,819	1,842	1,846	1,831	1,842	1,865	1,886	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,538	1,991	2,013	2,019	2,044	2,053	1,994	1,947	2,003	1,973	1,961	1,951	1,918	1,943	1,948	1,935	1,950	1,977	2,000	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	2,969	3,847	3,891	3,907	3,959	3,980	3,869	3,782	3,894	3,840	3,818	3,800	3,738	3,785	3,794	3,766	3,792	3,842	3,886	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	1,473	1,449	1,436	1,414	1,402	1,448	1,489	1,431	1,446	1,458	1,465	1,494	1,474	1,482	1,498	1,495	1,477	1,455	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	2,064	1,595	1,569	1,555	1,504	1,496	1,547	1,574	1,505	1,532	1,544	1,558	1,584	1,566	1,574	1,595	1,590	1,573	1,556	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,938	3,068	3,018	2,990	2,918	2,898	2,995	3,063	2,936	2,978	3,001	3,023	3,079	3,040	3,056	3,093	3,085	3,050	3,011	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	42.2	33.8	33.0	32.4	31.6	31.1	31.8	32.5	31.1	31.2	31.3	31.4	31.9	31.3	31.3	31.5	31.3	30.7	30.1	31.9	31.8	31.8	31.8	31.7	31.7
SMigR: females	42.3	46.1	36.7	35.9	35.3	34.0	33.4	34.2	34.7	33.1	33.5	33.6	33.7	34.2	33.6	33.6	33.9	33.7	33.1	32.5	34.4	34.4	34.4	34.4	34.4	34.4
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	23.8	23.6	23.5	23.3	23.1	23.0	22.9	22.8	22.8	22.7	22.7	22.7	22.7	22.6	22.6	22.5	22.4	22.2	22.2	22.2	22.1	22.1	22.0
SMigR: females	160.9	23.2	24.1	24.0	23.8	23.6	23.4	23.2	23.2	23.2	23.1	23.1	23.0	23.0	23.1	23.1	23.1	23.1	23.0	22.9	22.8	22.8	22.8	22.8	22.8	22.8
Migrants input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Migration - Net Flows																										
UK	+129	-969	+779	+872	+917	+1,041	+1,082	+874	+719	+958	+861	+817	+777	+659	+746	+738	+673	+707	+792	+876	+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	-92	-84	-99	-91	-88	-91	-102	-111	-118	-131	-144	-162	-181	-200	-222	-241	-262	-283	-308	-328	-348	-370	-387
Net migration	+180	-948	+800	+893	+944	+1,064	+1,106	+895	+740	+979	+882	+838	+798	+680	+766	+759	+694	+728	+813	+896	+506	+515	+523	+528	+538	+545
Net change	+28	-1,092	+704	+801	+859	+964	+1,015	+807	+648	+877	+771	+720	+667	+536	+604	+578	+494	+506	+571	+634	+223	+206	+194	+180	+167	+157
Crude Birth Rate /000	8.81	9.46	9.19	9.16	9.16	9.17	9.20	9.24	9.26	9.23	9.25	9.24	9.23	9.20	9.15	9.10	9.06	8.99	8.93	8.88	8.86	8.80	8.74	8.69	8.66	8.64
Crude Death Rate /000	10.38	10.95	10.18	10.11	10.02	10.17	10.11	10.12	10.15	10.22	10.33	10.38	10.48	10.57	10.68	10.81	10.93	11.06	11.17	11.30	11.46	11.62	11.74	11.87	12.03	12.16
Crude Net Migration Rate /000	1.85	-9.80	8.29	9.19	9.62	10.75	11.06	8.87	7.28	9.56	8.55	8.06	7.62	6.46	7.24	7.14	6.49	6.77	7.53	8.26	4.64	4.71	4.78	4.82	4.90	4.95

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	4,720	4,746	4,795	4,903	4,960	5,002	5,032	5,075	5,111	5,143	5,168	5,182	5,197	5,207	5,207	5,206	5,207	5,213	5,191	5,168	5,146	5,126	5,109	5,097		
5-10	5,789	5,785	5,796	5,911	6,037	6,122	6,210	6,333	6,389	6,451	6,496	6,549	6,639	6,685	6,719	6,755	6,788	6,813	6,836	6,859	6,881	6,877	6,868	6,853	6,835	6,813	6,791		
11-15	5,524	5,382	5,215	5,155	5,101	5,118	5,135	5,206	5,342	5,425	5,524	5,644	5,696	5,738	5,793	5,825	5,865	5,936	5,975	6,011	6,047	6,063	6,074	6,083	6,088	6,090	6,088		
16-17	2,373	2,406	2,312	2,231	2,215	2,213	2,149	2,104	2,079	2,107	2,181	2,187	2,194	2,286	2,333	2,359	2,393	2,364	2,377	2,427	2,448	2,460	2,472	2,481	2,488	2,493	2,497		
18-59Female, 64Male	54,281	53,653	52,394	52,419	52,572	52,704	52,953	53,148	53,263	53,216	53,229	53,266	53,243	53,087	52,875	52,768	52,619	52,410	52,183	52,124	52,108	51,841	51,708	51,604	51,517	51,481	51,498		
60/65 -74	15,396	15,911	16,217	16,561	16,795	17,040	17,220	17,365	17,301	17,287	17,381	17,059	16,898	16,963	17,039	17,272	17,526	17,834	18,194	18,476	18,725	18,997	19,049	19,108	19,158	19,072	18,879		
75-84	6,602	6,775	6,990	7,201	7,434	7,620	7,869	8,226	8,620	8,970	9,291	9,959	10,477	10,841	11,174	11,362	11,496	11,559	11,539	11,481	11,511	11,223	11,116	11,089	11,078	11,254	11,489		
85+	2,535	2,586	2,559	2,652	2,751	2,897	3,035	3,146	3,299	3,457	3,643	3,816	4,022	4,210	4,400	4,583	4,803	5,067	5,386	5,683	5,970	6,473	6,877	7,161	7,416	7,560	7,692		
Total	97,209	97,237	96,145	96,849	97,651	98,510	99,474	100,489	101,296	101,944	102,821	103,592	104,312	104,978	105,515	106,119	106,697	107,191	107,697	108,268	108,902	109,125	109,332	109,526	109,706	109,873	110,030	11,693	585
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	0.28	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	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.51	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61		
0-15 and 65+ / 16-65	0.60	0.63	0.65	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92		
Median age males	43.7	44.3	44.8	45.1	45.4	45.7	45.9	46.2	46.4	46.6	46.6	46.7	46.6	46.5	46.4	46.3	46.3	46.3	46.3	46.2	46.1	46.2	46.2	46.2	46.3	46.4	46.5		
Median age females	45.5	45.9	46.5	46.8	47.1	47.4	47.7	48.0	48.2	48.5	48.7	48.9	49.1	49.1	49.2	49.3	49.3	49.2	49.2	49.2	49.2	49.3	49.4	49.5	49.5	49.6	49.6		
Sex ratio males /100 females	96.9	96.8	97.0	97.1	97.2	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	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3		
Population impact of constraint																													
Number of persons	+151	+28	-1,184	+560	+632	+648	+740	+768	+535	+352	+567	+457	+415	+375	+240	+318	+314	+232	+259	+333	+400								
Labour Force																													
Number of Labour Force	50,340	50,159	49,191	49,309	49,549	49,803	50,047	50,296	50,522	50,648	50,736	50,784	50,793	50,773	50,725	50,674	50,623	50,566	50,513	50,559	50,641	50,491	50,394	50,288	50,212	50,159	50,130	301	15
Change in Labour Force over pr	-131	-181	-968	+118	+240	+254	+244	+249	+226	+126	+88	+48	+9	-20	-48	-51	-50	-58	-53	+46	+82	-150	-97	-106	-76	-53	-29		
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	30,976	30,916	30,851	30,805	30,772	30,754	2,179	109
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	-92	-60	-65	-46	-33	-18		
Households																													
Number of Households	41,808	41,969	41,715	42,047	42,416	42,838	43,265	43,702	44,065	44,390	44,810	45,186	45,560	45,920	46,233	46,588	46,938	47,251	47,575	47,914	48,271	48,460	48,652	48,815	48,958	49,085	49,196	6,463	323
Change in Households over pre	+560	+162	-255	+332	+369	+421	+427	+437	+363	+325	+419	+377	+374	+360	+313	+356	+349	+314	+324	+339	+357	+189	+192	+163	+143	+127	+112		
Number of supply units	43,641	43,809	43,543	43,890	44,276	44,716	45,161	45,618	45,997	46,337	46,774	47,167	47,557	47,933	48,259	48,631	48,995	49,323	49,661	50,014	50,387	50,584	50,785	50,955	51,104	51,237	51,353	6,747	337
Change in over previous year	+585	+169	-266	+347	+386	+440	+446	+456	+379	+340	+438	+393	+390	+376	+327	+371	+365	+327	+338	+353	+373	+197	+201	+170	+149	+132	+116		

Population Estimates and Forecasts

Scenario H: SM Policy On Job Growth

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	461	468	475	483	492	498	504	515	524	534	542	550	558	565	571	578	583	588	584	580	577	574	571
Female	418	446	432	439	446	452	460	468	474	480	490	499	508	517	524	531	538	544	550	555	560	556	553	549	546	544
All Births	857	915	887	901	914	927	943	960	972	985	1,005	1,024	1,042	1,059	1,074	1,089	1,103	1,115	1,128	1,137	1,147	1,140	1,133	1,126	1,120	1,115
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	482	479	492	497	504	509	517	530	540	551	562	573	587	598	609	621	633	646	656	666	673	683	691
Female	532	552	503	504	507	520	519	523	529	538	547	553	564	572	583	593	605	617	627	640	652	661	667	677	687	695
All deaths	1,009	1,058	982	986	986	1,012	1,016	1,027	1,039	1,056	1,077	1,093	1,115	1,134	1,156	1,180	1,203	1,226	1,249	1,273	1,298	1,318	1,333	1,349	1,370	1,386
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	82.6	82.7	83.0	83.2	83.4	83.5	83.6	83.8	84.0	84.2	84.2	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	1,967	1,936	1,922	1,954	1,964	1,921	1,920	2,012	2,002	2,009	2,013	1,993	2,018	2,020	2,007	2,016	1,997	2,004	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,538	2,110	2,075	2,056	2,086	2,092	2,043	2,038	2,131	2,117	2,121	2,123	2,102	2,128	2,133	2,121	2,134	2,116	2,124	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	2,969	4,077	4,011	3,978	4,040	4,056	3,964	3,959	4,142	4,120	4,130	4,136	4,094	4,145	4,153	4,128	4,150	4,113	4,128	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	1,362	1,391	1,401	1,375	1,365	1,402	1,403	1,310	1,310	1,306	1,302	1,321	1,299	1,308	1,322	1,321	1,346	1,338	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	2,064	1,476	1,506	1,518	1,462	1,457	1,498	1,483	1,377	1,388	1,383	1,385	1,401	1,380	1,389	1,408	1,405	1,433	1,431	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,938	2,838	2,898	2,919	2,837	2,821	2,900	2,886	2,687	2,698	2,689	2,688	2,722	2,680	2,697	2,730	2,726	2,780	2,770	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	42.2	31.3	31.5	31.3	30.4	29.8	30.2	30.0	27.8	27.4	27.0	26.6	26.6	25.9	25.7	25.6	25.2	25.3	24.9	28.5	28.5	28.5	28.5	28.5	28.5
SMigR: females	42.3	46.1	34.0	34.1	34.0	32.5	31.9	32.5	32.0	29.5	29.3	28.8	28.4	28.3	27.5	27.3	27.3	26.8	27.0	26.6	30.5	30.6	30.6	30.7	30.7	30.8
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	23.6	23.3	23.1	22.9	22.6	22.5	22.3	22.0	21.8	21.5	21.3	21.1	20.9	20.6	20.4	20.1	19.9	19.6	19.6	19.7	19.7	19.7	19.7
SMigR: females	160.9	23.2	24.1	23.8	23.5	23.2	22.9	22.7	22.5	22.4	22.1	21.8	21.6	21.3	21.1	20.8	20.6	20.4	20.1	19.9	19.7	19.7	19.8	19.9	19.9	20.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	+129	-969	+1,239	+1,113	+1,059	+1,203	+1,235	+1,064	+1,072	+1,455	+1,421	+1,441	+1,448	+1,373	+1,466	+1,456	+1,397	+1,424	+1,333	+1,358	+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	-85	-72	-85	-73	-67	-67	-71	-72	-70	-73	-75	-83	-91	-100	-111	-121	-135	-151	-177	-200	-223	-250	-272
Net migration	+180	-948	+1,261	+1,134	+1,085	+1,225	+1,258	+1,085	+1,093	+1,476	+1,442	+1,462	+1,469	+1,393	+1,487	+1,476	+1,418	+1,445	+1,354	+1,379	+506	+515	+523	+528	+538	+545
Net change	+28	-1,092	+1,165	+1,050	+1,013	+1,141	+1,185	+1,018	+1,027	+1,405	+1,370	+1,392	+1,396	+1,318	+1,404	+1,386	+1,319	+1,334	+1,233	+1,244	+355	+337	+323	+305	+288	+273
Crude Birth Rate /000	8.81	9.46	9.17	9.21	9.24	9.27	9.33	9.39	9.42	9.43	9.49	9.55	9.59	9.63	9.64	9.66	9.67	9.67	9.66	9.65	9.66	9.58	9.49	9.41	9.33	9.27
Crude Death Rate /000	10.38	10.95	10.16	10.07	9.97	10.12	10.05	10.05	10.06	10.11	10.18	10.20	10.26	10.31	10.39	10.47	10.54	10.63	10.70	10.79	10.94	11.07	11.16	11.27	11.42	11.53
Crude Net Migration Rate /000	1.85	-9.80	13.03	11.60	10.98	12.26	12.45	10.62	10.59	14.13	13.63	13.64	13.53	12.67	13.35	13.10	12.43	12.52	11.60	11.70	4.26	4.32	4.38	4.41	4.48	4.53

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	4,754	4,803	4,868	4,995	5,072	5,137	5,200	5,290	5,378	5,470	5,561	5,646	5,734	5,817	5,891	5,962	6,022	6,080	6,074	6,059	6,038	6,013	5,986	5,957		
5-10	5,789	5,785	5,796	5,938	6,080	6,177	6,279	6,417	6,491	6,584	6,671	6,771	6,916	7,023	7,124	7,229	7,335	7,437	7,539	7,633	7,725	7,763	7,795	7,818	7,832	7,838	7,837		
11-15	5,524	5,382	5,215	5,173	5,129	5,153	5,177	5,256	5,402	5,504	5,628	5,778	5,865	5,943	6,040	6,115	6,201	6,322	6,411	6,494	6,575	6,617	6,658	6,698	6,738	6,776	6,810		
16-17	2,373	2,406	2,312	2,238	2,225	2,226	2,165	2,122	2,100	2,133	2,216	2,233	2,251	2,357	2,419	2,460	2,510	2,497	2,525	2,590	2,627	2,647	2,668	2,686	2,703	2,719	2,735		
18-59Female, 64Male	54,281	53,653	52,394	52,747	53,072	53,305	53,668	53,971	54,220	54,419	54,777	55,201	55,608	55,911	56,186	56,571	56,911	57,195	57,455	57,766	58,081	57,822	57,702	57,615	57,549	57,538	57,587		
60/65 -74	15,396	15,911	16,217	16,586	16,835	17,089	17,280	17,437	17,386	17,395	17,523	17,236	17,117	17,230	17,360	17,651	17,968	18,343	18,773	19,116	19,425	19,730	19,810	19,895	19,970	19,904	19,727		
75-84	6,602	6,775	6,990	7,213	7,451	7,641	7,894	8,256	8,656	9,017	9,354	10,044	10,585	10,975	11,336	11,552	11,714	11,805	11,813	11,775	11,824	11,531	11,425	11,404	11,401	11,592	11,846		
85+	2,535	2,586	2,559	2,662	2,765	2,914	3,055	3,169	3,326	3,491	3,690	3,877	4,098	4,305	4,515	4,717	4,958	5,244	5,588	5,903	6,207	6,714	7,120	7,403	7,657	7,798	7,927		
Total	97,209	97,237	96,145	97,310	98,360	99,373	100,514	101,699	102,717	103,743	105,148	106,518	107,910	109,307	110,625	112,029	113,414	114,733	116,067	117,300	118,543	118,899	119,236	119,559	119,863	120,151	120,424	21,334	**1067**
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	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32		
65+ / 16-65	0.34	0.36	0.38	0.39	0.40	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.46	0.47	0.48	0.49	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57		
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	0.75	0.76	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.84	0.85	0.86	0.87	0.88	0.89		
Median age males	43.7	44.3	44.8	45.0	45.3	45.5	45.8	46.0	46.1	46.2	46.2	46.1	45.8	45.6	45.3	45.2	45.0	44.9	44.7	44.6	44.5	44.5	44.6	44.7	44.8	44.9	45.1		
Median age females	45.5	45.9	46.5	46.7	47.0	47.3	47.5	47.8	48.0	48.2	48.3	48.3	48.3	48.2	48.1	47.9	47.7	47.6	47.5	47.4	47.3	47.3	47.4	47.4	47.5	47.6	47.7		
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	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2		
Population impact of constraint																													
Number of persons	+151	+28	-1,184	+1,021	+873	+789	+901	+921	+725	+706	+1,064	+1,017	+1,039	+1,047	+954	+1,038	+1,031	+957	+976	+874	+883								
Labour Force																													
Number of Labour Force	50,340	50,159	49,191	49,590	49,988	50,337	50,685	51,032	51,379	51,725	52,121	52,517	52,914	53,310	53,706	54,103	54,499	54,895	55,292	55,688	56,084	55,967	55,893	55,810	55,760	55,735	55,738	5,744	**287**
Change in Labour Force over pr	-131	-181	-968	+398	+398	+349	+348	+347	+347	+346	+396	+396	+396	+396	+396	+396	+396	+396	+396	+396	+396	-118	-73	-83	-50	-25	+3		
Number of supply units	28,889	28,816	28,529	28,760	28,991	29,222	29,453	29,684	29,915	30,146	30,377	30,608	30,839	31,070	31,301	31,532	31,763	31,994	32,225	32,456	32,687	32,619	32,576	32,528	32,498	32,484	32,486	3,798	**190**
Change in over previous year	-382	-73	-287	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	-69	-43	-48	-29	-15	+2		
Households																													
Number of Households	41,808	41,969	41,715	42,195	42,647	43,122	43,613	44,110	44,548	45,009	45,612	46,198	46,807	47,425	48,018	48,665	49,311	49,928	50,559	51,154	51,749	52,010	52,273	52,504	52,709	52,893	53,058	9,941	**497**
Change in Households over pre	+560	+162	-255	+480	+452	+475	+491	+498	+438	+460	+604	+586	+609	+618	+593	+647	+646	+617	+632	+595	+595	+261	+264	+230	+205	+184	+165		
Number of supply units	43,641	43,809	43,543	44,045	44,516	45,013	45,525	46,044	46,501	46,982	47,612	48,224	48,859	49,504	50,123	50,798	51,473	52,116	52,776	53,396	54,018	54,290	54,565	54,805	55,019	55,212	55,384	10,377	**519**
Change in over previous year	+585	+169	-266	+501	+472	+496	+512	+520	+457	+481	+630	+611	+636	+645	+619	+675	+674	+644	+659	+621	+621	+272	+275	+240	+214	+192	+172		

Population Estimates and Forecasts

Scenario Ha: SM Policy On Job Growth + 5% Red in Comm

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	463	467	473	478	482	485	493	500	506	512	517	523	528	532	536	539	542	539	536	534	532	531
Female	418	446	432	437	441	445	450	456	459	462	469	476	482	488	493	498	502	506	510	513	516	513	511	509	507	505
All Births	857	915	887	896	904	912	923	934	941	948	962	976	988	1,000	1,010	1,020	1,030	1,038	1,046	1,052	1,058	1,052	1,047	1,043	1,039	1,036
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	478	491	495	502	507	514	526	535	546	556	566	579	590	601	612	622	635	645	654	661	671	679
Female	532	552	503	503	505	517	516	519	525	533	542	547	557	564	575	584	595	606	616	628	639	648	654	664	674	682
All deaths	1,009	1,058	982	984	984	1,008	1,011	1,021	1,032	1,047	1,068	1,083	1,102	1,121	1,141	1,163	1,185	1,207	1,227	1,250	1,274	1,293	1,308	1,325	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	81.3	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	83.3	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	1,912	1,883	1,869	1,900	1,908	1,865	1,864	1,953	1,943	1,948	1,951	1,930	1,954	1,956	1,942	1,951	1,931	1,938	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,957	1,538	2,052	2,018	1,998	2,028	2,033	1,983	1,978	2,069	2,054	2,057	2,058	2,036	2,061	2,065	2,053	2,065	2,047	2,055	1,905	1,912	1,920	1,926	1,934	1,941
All	3,737	2,969	3,964	3,901	3,867	3,927	3,942	3,848	3,842	4,022	3,997	4,006	4,009	3,966	4,015	4,020	3,995	4,016	3,978	3,993	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	1,416	1,444	1,455	1,429	1,420	1,458	1,460	1,369	1,370	1,367	1,364	1,383	1,363	1,372	1,386	1,386	1,412	1,403	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,897	2,064	1,535	1,564	1,576	1,520	1,516	1,558	1,543	1,439	1,451	1,447	1,450	1,466	1,447	1,457	1,477	1,474	1,503	1,501	1,660	1,664	1,667	1,670	1,672	1,675
All	3,608	3,938	2,951	3,008	3,030	2,950	2,936	3,016	3,004	2,807	2,821	2,814	2,814	2,850	2,810	2,829	2,863	2,861	2,914	2,905	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	38.2	42.2	32.5	32.8	32.7	31.9	31.4	32.0	31.8	29.7	29.4	29.1	28.7	28.9	28.2	28.0	28.0	27.7	27.9	27.5	30.1	30.1	30.1	30.1	30.0	30.0
SMigR: females	42.3	46.1	35.3	35.6	35.6	34.2	33.8	34.4	34.1	31.6	31.5	31.1	30.8	30.8	30.1	30.0	30.0	29.6	29.9	29.5	32.3	32.4	32.4	32.5	32.5	32.5
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	23.5	23.4	23.2	23.1	23.0	22.9	22.7	22.5	22.4	22.2	22.0	21.8	21.6	21.4	21.2	21.0	20.8	20.8	20.8	20.8	20.8	20.8
SMigR: females	160.9	23.2	24.1	23.9	23.7	23.5	23.4	23.2	23.2	23.1	22.9	22.7	22.5	22.3	22.2	22.0	21.8	21.6	21.4	21.3	21.1	21.1	21.2	21.2	21.3	21.3
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																										
UK	+129	-969	+1,013	+893	+837	+978	+1,005	+832	+838	+1,214	+1,176	+1,192	+1,195	+1,117	+1,205	+1,191	+1,132	+1,155	+1,064	+1,088	+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	-88	-80	-96	-88	-87	-91	-100	-105	-107	-114	-120	-131	-143	-155	-169	-182	-198	-216	-241	-261	-282	-306	-325
Net migration	+180	-948	+1,034	+914	+863	+1,001	+1,029	+853	+859	+1,235	+1,197	+1,212	+1,216	+1,137	+1,226	+1,212	+1,153	+1,176	+1,085	+1,109	+506	+515	+523	+528	+538	+545
Net change	+28	-1,092	+938	+825	+784	+904	+941	+766	+768	+1,136	+1,091	+1,106	+1,101	+1,017	+1,094	+1,069	+998	+1,007	+903	+910	+290	+274	+262	+246	+232	+219
Crude Birth Rate /000	8.81	9.46	9.18	9.19	9.20	9.20	9.22	9.25	9.25	9.23	9.28	9.31	9.33	9.35	9.34	9.35	9.35	9.33	9.32	9.30	9.31	9.24	9.17	9.11	9.06	9.01
Crude Death Rate /000	10.38	10.95	10.17	10.10	10.01	10.17	10.11	10.12	10.15	10.20	10.29	10.33	10.41	10.47	10.56	10.66	10.75	10.85	10.94	11.06	11.21	11.35	11.46	11.57	11.73	11.85
Crude Net Migration Rate /000	1.85	-9.80	10.71	9.37	8.78	10.09	10.28	8.45	8.44	12.03	11.53	11.56	11.47	10.63	11.34	11.11	10.46	10.58	9.67	9.81	4.45	4.52	4.58	4.61	4.69	4.74

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	4,737	4,767	4,812	4,917	4,969	5,008	5,045	5,107	5,168	5,231	5,294	5,351	5,411	5,468	5,517	5,563	5,600	5,635	5,627	5,613	5,596	5,578	5,559	5,541		
5-10	5,789	5,785	5,796	5,924	6,053	6,134	6,220	6,339	6,393	6,464	6,526	6,599	6,715	6,791	6,858	6,930	7,002	7,070	7,137	7,197	7,257	7,278	7,295	7,306	7,310	7,309	7,304		
11-15	5,524	5,382	5,215	5,164	5,111	5,126	5,140	5,208	5,342	5,431	5,542	5,677	5,748	5,809	5,887	5,941	6,005	6,101	6,165	6,220	6,273	6,299	6,323	6,347	6,370	6,392	6,412		
16-17	2,373	2,406	2,312	2,235	2,218	2,216	2,151	2,105	2,079	2,108	2,186	2,198	2,211	2,311	2,367	2,401	2,445	2,424	2,445	2,501	2,529	2,543	2,557	2,569	2,580	2,589	2,598		
18-59Female, 64Male	54,281	53,653	52,394	52,586	52,754	52,829	53,033	53,175	53,261	53,296	53,487	53,742	53,977	54,107	54,207	54,414	54,573	54,677	54,754	54,881	55,010	54,744	54,615	54,516	54,435	54,407	54,433		
60/65 -74	15,396	15,911	16,217	16,574	16,810	17,051	17,227	17,369	17,303	17,295	17,404	17,101	16,962	17,054	17,160	17,426	17,716	18,061	18,461	18,773	19,049	19,338	19,404	19,475	19,538	19,462	19,276		
75-84	6,602	6,775	6,990	7,207	7,440	7,624	7,871	8,226	8,619	8,973	9,302	9,981	10,512	10,891	11,241	11,446	11,596	11,676	11,672	11,623	11,660	11,368	11,260	11,236	11,228	11,410	11,654		
85+	2,535	2,586	2,559	2,657	2,756	2,900	3,037	3,146	3,298	3,459	3,652	3,833	4,048	4,249	4,452	4,647	4,881	5,159	5,494	5,799	6,093	6,598	7,002	7,284	7,538	7,680	7,809		
Total	97,209	97,237	96,145	97,084	97,909	98,693	99,597	100,538	101,304	102,072	103,207	104,299	105,404	106,506	107,523	108,617	109,686	110,684	111,691	112,594	113,505	113,795	114,069	114,330	114,576	114,808	115,027	16,296	815
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	0.28	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	0.32	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	0.44	0.45	0.45	0.46	0.46	0.47	0.48	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	0.75	0.76	0.77	0.77	0.78	0.79	0.80	0.82	0.83	0.84	0.85	0.86	0.88	0.89	0.90	0.91		
Median age males	43.7	44.3	44.8	45.1	45.4	45.6	45.9	46.2	46.4	46.5	46.6	46.5	46.4	46.2	46.0	45.8	45.7	45.6	45.5	45.4	45.3	45.3	45.3	45.4	45.5	45.6	45.7		
Median age females	45.5	45.9	46.5	46.8	47.1	47.4	47.7	48.0	48.2	48.5	48.7	48.8	48.8	48.8	48.8	48.7	48.6	48.5	48.4	48.3	48.3	48.3	48.4	48.4	48.5	48.6	48.6		
Sex ratio males /100 females	96.9	96.8	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	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	98.3		
Population impact of constraint																													
Number of persons	+151	+28	-1,184	+794	+653	+567	+676	+692	+493	+471	+823	+771	+790	+793	+698	+777	+767	+692	+707	+605	+612								
Labour Force																													
Number of Labour Force	50,340	50,159	49,191	49,452	49,710	49,917	50,121	50,323	50,522	50,719	50,963	51,204	51,444	51,681	51,916	52,149	52,380	52,608	52,834	53,058	53,280	53,144	53,056	52,958	52,892	52,849	52,831	2,940	147
Change in Labour Force over pr	-131	-181	-968	+261	+258	+207	+204	+202	+199	+197	+244	+242	+239	+237	+235	+233	+231	+228	+226	+224	+222	-136	-88	-97	-66	-43	-17		
Number of supply units	28,889	28,816	28,529	28,760	28,991	29,222	29,453	29,684	29,915	30,146	30,377	30,608	30,839	31,070	31,301	31,532	31,763	31,994	32,225	32,456	32,687	32,604	32,550	32,490	32,449	32,423	32,412	3,798	190
Change in over previous year	-382	-73	-287	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	-84	-54	-60	-41	-27	-11		
Households																													
Number of Households	41,808	41,969	41,715	42,122	42,500	42,899	43,308	43,721	44,070	44,437	44,942	45,426	45,931	46,442	46,923	47,455	47,983	48,481	48,990	49,458	49,925	50,151	50,379	50,577	50,751	50,907	51,046	8,118	406
Change in Households over pre	+560	+162	-255	+408	+378	+398	+409	+413	+350	+366	+505	+484	+505	+510	+482	+532	+528	+498	+509	+468	+467	+225	+229	+197	+175	+156	+139		
Number of supply units	43,641	43,809	43,543	43,969	44,364	44,779	45,206	45,637	46,003	46,385	46,913	47,418	47,945	48,478	48,981	49,536	50,087	50,606	51,137	51,626	52,114	52,349	52,588	52,794	52,976	53,139	53,283	8,474	424
Change in over previous year	+585	+169	-266	+425	+395	+416	+427	+431	+365	+383	+528	+505	+527	+533	+503	+555	+551	+519	+531	+489	+488	+235	+239	+206	+182	+162	+145		

Population Estimates and Forecasts

Scenario I: SM Stable Job Growth

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	463	463	463	462	463	464	463	462	465	467	469	470	471	473	474	475	476	476	477	478	479	481	482	484
Female	418	446	441	441	441	440	441	442	441	440	442	444	446	448	449	450	451	452	453	453	454	455	456	458	459	461
All Births	857	915	904	904	904	903	904	906	904	901	907	911	915	918	920	923	925	927	929	929	931	934	935	939	942	945
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	481	482	478	490	493	499	503	510	521	529	539	548	558	569	579	589	599	608	619	630	640	647	657	664
Female	532	552	506	504	505	516	513	515	520	527	534	538	547	553	563	571	581	591	600	610	620	631	638	649	659	669
All deaths	1,009	1,058	987	986	983	1,005	1,006	1,014	1,023	1,036	1,055	1,068	1,086	1,102	1,120	1,140	1,160	1,180	1,198	1,218	1,240	1,261	1,278	1,295	1,316	1,333
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	83.3	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	85.2	85.3	85.4	85.6	85.8	85.9	86.0
Deaths input	.																									
In-migration from the UK																										
Male	1,780	1,627	1,801	1,783	1,771	1,804	1,813	1,770	1,770	1,859	1,850	1,856	1,859	1,840	1,863	1,866	1,854	1,863	1,846	1,854	1,860	1,840	1,849	1,842	1,839	1,836
Female	1,957	1,748	1,932	1,911	1,894	1,925	1,931	1,882	1,879	1,970	1,956	1,960	1,961	1,940	1,965	1,970	1,960	1,972	1,956	1,966	1,975	1,956	1,969	1,962	1,961	1,959
All	3,737	3,375	3,733	3,694	3,665	3,729	3,744	3,652	3,649	3,829	3,805	3,815	3,820	3,780	3,829	3,836	3,814	3,836	3,802	3,820	3,835	3,797	3,818	3,804	3,800	3,795
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	0.1	0.1	0.1	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	1,681	1,527	1,544	1,552	1,525	1,516	1,553	1,554	1,463	1,463	1,459	1,456	1,474	1,453	1,461	1,474	1,474	1,497	1,487	1,487	1,512	1,510	1,525	1,533	1,544
Female	1,897	1,852	1,654	1,671	1,681	1,623	1,618	1,659	1,643	1,538	1,550	1,545	1,548	1,563	1,543	1,552	1,570	1,567	1,594	1,591	1,589	1,620	1,618	1,634	1,644	1,657
All	3,608	3,533	3,181	3,215	3,232	3,148	3,134	3,212	3,197	3,000	3,013	3,004	3,004	3,037	2,996	3,014	3,045	3,041	3,091	3,078	3,077	3,132	3,128	3,159	3,178	3,202
SMigR: males	38.2	37.9	34.6	34.8	35.0	34.3	34.0	34.7	34.8	32.7	32.6	32.4	32.1	32.4	31.8	31.7	31.8	31.6	31.8	31.5	31.3	31.6	31.4	31.5	31.6	31.7
SMigR: females	42.3	41.4	37.5	37.8	38.0	36.9	36.7	37.6	37.4	35.1	35.2	34.9	34.7	34.8	34.2	34.1	34.3	34.0	34.3	34.0	33.8	34.2	34.0	34.2	34.3	34.4
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	23.5	23.6	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.6	23.6	23.5	23.5	23.4	23.3	23.1	23.0	22.9	22.8	22.6	22.5	22.4	22.3	22.2
SMigR: females	160.9	23.2	23.6	23.7	23.7	23.8	23.9	23.9	24.1	24.2	24.2	24.2	24.1	24.0	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.1	23.0
Migrants input	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Migration - Net Flows																										
UK	+129	-158	+552	+479	+433	+581	+611	+440	+452	+829	+793	+811	+816	+743	+832	+822	+769	+795	+711	+742	+759	+664	+690	+644	+623	+593
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	-83	-82	-80	-103	-102	-108	-119	-135	-148	-157	-171	-183	-200	-218	-235	-253	-269	-289	-309	-328	-342	-357	-374	-387
Net migration	+180	-137	+573	+500	+460	+604	+634	+460	+473	+850	+814	+832	+837	+764	+853	+843	+790	+816	+732	+763	+779	+685	+711	+665	+643	+614
Net change	+28	-281	+491	+418	+380	+501	+532	+353	+354	+715	+666	+675	+666	+580	+653	+626	+556	+563	+463	+474	+471	+358	+368	+309	+269	+226
Crude Birth Rate /000	8.81	9.42	9.30	9.26	9.22	9.16	9.13	9.11	9.06	8.98	8.98	8.96	8.94	8.92	8.88	8.85	8.83	8.79	8.77	8.74	8.71	8.70	8.69	8.69	8.70	8.71
Crude Death Rate /000	10.38	10.90	10.15	10.10	10.03	10.21	10.16	10.20	10.25	10.33	10.44	10.50	10.60	10.70	10.81	10.94	11.06	11.19	11.31	11.45	11.60	11.76	11.87	12.00	12.16	12.28
Crude Net Migration Rate /000	1.85	-1.41	5.90	5.12	4.69	6.13	6.41	4.63	4.74	8.47	8.05	8.18	8.18	7.42	8.23	8.09	7.54	7.74	6.91	7.17	7.29	6.39	6.60	6.16	5.94	5.66

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	4,723	4,771	4,774	4,787	4,858	4,873	4,869	4,862	4,880	4,896	4,914	4,933	4,946	4,964	4,980	4,990	5,000	5,004	5,008	5,015	5,017	5,022	5,028	5,036	5,046		
5-10	5,789	5,785	5,843	5,947	6,053	6,113	6,173	6,265	6,293	6,333	6,361	6,395	6,469	6,500	6,518	6,538	6,559	6,574	6,591	6,601	6,612	6,623	6,625	6,628	6,626	6,623	6,619		
11-15	5,524	5,382	5,247	5,179	5,110	5,108	5,105	5,157	5,274	5,344	5,435	5,550	5,600	5,638	5,694	5,723	5,757	5,820	5,849	5,864	5,877	5,888	5,894	5,900	5,903	5,905	5,905		
16-17	2,373	2,406	2,325	2,240	2,218	2,210	2,139	2,087	2,054	2,077	2,148	2,152	2,159	2,251	2,298	2,324	2,359	2,331	2,342	2,388	2,405	2,415	2,422	2,427	2,430	2,431	2,430		
18-59Female, 64Male	54,281	53,653	52,971	52,838	52,712	52,501	52,425	52,287	52,099	51,865	51,789	51,779	51,751	51,622	51,468	51,422	51,331	51,189	51,024	50,912	50,804	50,718	50,695	50,710	50,704	50,727	50,772		
60/65 -74	15,396	15,911	16,261	16,594	16,808	17,028	17,181	17,300	17,207	17,175	17,257	16,925	16,760	16,820	16,894	17,123	17,374	17,679	18,036	18,306	18,541	18,825	18,883	18,949	19,004	18,921	18,732		
75-84	6,602	6,775	7,010	7,215	7,438	7,611	7,848	8,192	8,574	8,916	9,233	9,898	10,412	10,777	11,110	11,300	11,435	11,500	11,482	11,418	11,440	11,160	11,057	11,034	11,023	11,198	11,429		
85+	2,535	2,586	2,575	2,663	2,752	2,889	3,017	3,118	3,261	3,413	3,598	3,770	3,976	4,167	4,361	4,547	4,771	5,038	5,361	5,654	5,935	6,449	6,858	7,148	7,408	7,555	7,689		
Total	97,209	97,237	96,956	97,447	97,865	98,245	98,746	99,279	99,631	99,985	100,700	101,366	102,041	102,708	103,288	103,941	104,566	105,122	105,685	106,148	106,621	107,092	107,450	107,818	108,126	108,395	108,622	9,412	471
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	0.30	0.30	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	0.41	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	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	0.61		
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	0.82	0.84	0.85	0.86	0.87	0.89	0.90	0.91	0.92	0.92		
Median age males	43.7	44.3	44.7	45.0	45.4	45.7	46.1	46.4	46.7	47.0	47.1	47.2	47.2	47.1	47.0	46.8	46.7	46.7	46.7	46.6	46.6	46.5	46.5	46.5	46.5	46.5	46.6		
Median age females	45.5	45.9	46.4	46.7	47.1	47.5	47.8	48.2	48.6	48.9	49.1	49.4	49.6	49.7	49.8	49.8	49.8	49.8	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.9	49.9		
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	97.9	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	-373	+333	+239	+164	+280	+297	+101	+85	+438	+388	+409	+415	+324	+405	+398	+329	+347	+253	+266	+273	+171	+188	+137	+106	+69		
Labour Force																													
Number of Labour Force	50,340	50,159	49,686	49,686	49,686	49,637	49,588	49,540	49,491	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	49,443	-897	-45
Change in Labour Force over pr	-131	-181	-473	-0	+0	-49	-49	-49	-49	-49	+0	-0	-0	-0	-0	+0	+0	0	-0	-0	-0	+0	-0	0	-0	-0	0		
Number of supply units	28,889	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	28,816	-73	-4
Change in over previous year	-382	-73	-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		
Households																													
Number of Households	41,808	41,969	41,975	42,242	42,491	42,760	43,032	43,306	43,518	43,734	44,085	44,412	44,759	45,110	45,431	45,799	46,162	46,496	46,839	47,139	47,437	47,706	47,946	48,165	48,350	48,510	48,644	5,629	281
Change in Households over pre	+560	+162	+6	+267	+249	+269	+273	+274	+212	+216	+351	+327	+348	+350	+321	+368	+363	+334	+344	+299	+298	+269	+240	+219	+186	+160	+134		
Number of supply units	43,641	43,809	43,815	44,094	44,353	44,634	44,919	45,205	45,426	45,651	46,017	46,359	46,722	47,088	47,423	47,807	48,186	48,534	48,893	49,205	49,517	49,797	50,048	50,276	50,470	50,637	50,777	5,876	294
Change in over previous year	+585	+169	+6	+279	+260	+281	+284	+286	+221	+226	+366	+342	+363	+366	+335	+384	+379	+348	+359	+312	+312	+280	+250	+229	+194	+167	+140		

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