Nathaniel Lichfield & Partners
Planning. Design. Economics.

Staffordshire Moorlands 2012-based SNHP Update

January 2016 Revision

Staffordshire Moorlands District Council

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Contents

1.0 Introduction

Background to the Study

1.1 Nathaniel Lichfield & 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 April 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 Following on from the preparation of the SHMA, the demographic data which underpinned NLP's modelling work was updated by ONS. This new data, the 2012-based Sub-National Population Projections [SNPP], was published on 29th May 2014. The latest projections were based on the 2012 mid-year population estimates published in June 2013 and a set of underlying demographic assumptions regarding fertility, mortality and migration, based on local trends.

1.3 NLP analysed this updated data and prepared the Housing Needs Study 2012-based SNPP Update, which was issued to both Councils in August 2014.

1.4 The 2012-based Sub-National Household Projections [SNHP] were released on 27th February 2015 and supersede the 2011-based (Interim) SNHP. The 2012-based SNHP incorporate the ONS 2012-based SNPP published on 28th May 2014 and further information from the Census 2011 where available.

1.5 The latest SNHP were released following SMDC's adoption of their Core Strategy on 26th March 2014. Policy SS2 (Future Provision of Development) states that *'the Council will undertake and complete an early and comprehensive review of the Core Strategy by 2016 to cover the period 2016-2031 to ensure that future provision will continue to adequately meet objectively assessed needs and reflect development potential'.*

1.6 The Inspector concluded in his Report to Staffordshire Moorlands District Council that *'an early review would provide a basis for taking account of longer term requirements and would have the added advantage that the policies for affordable housing provision could be re-assessed as the housing market responds to an improving economy. It would also provide an opportunity to update the evidence base. In these particular circumstances I believe a commitment to an early review would ensure a sound basis for the strategy'*[1].

[1] Report on the Examination into Staffordshire Moorlands Core Strategy Local Plan, Inspector Whitehead, 2nd January 2015

1.7 This revision to the July 2015 report has been prepared to take into account the latest information released since summer 2015 as well as relevant Planning Inspector's Reports & High Court Judgements[2] on approaches to defining housing OAN. It takes on board new Annual Population Survey [APS] data, the 2014 Mid-Year Population Estimates and the latest unemployment data in the PopGroup modelling.

Staffordshire Moorlands Core Strategy & Supporting Evidence Base

1.8 The Staffordshire Moorlands Core Strategy [SMCP] covers the period between 2006 and 2026. Policy SS2 (Future Provision of Development) indicates that the Council will make provision for an additional 6,000 dwellings over the period 2006-2026 at an average annual development rate of 300 dwellings.

1.9 The housing requirement figure as set out in the SMCP was informed by the conclusions of the 2010 Housing Requirements Paper. Following the adoption of the Core Strategy, NLP prepared a Strategy Housing Market Assessment [SHMA] and Housing Needs Report (April 2014) and a subsequent Housing Needs Study 2012-based SNPP Update (August 2014) for SMDC.

1.10 The initial PopGroup modelling used to inform the housing OAN range in the April 2014 SHMA was based on the most up to date information available at the time. The modelling utilised the 2011-based SNPP, whilst the headship rates were derived from the 2011-based SNHP to 2021, indexed to the 2008-based household projections thereafter.

1.11 During the modelling exercise, NLP factored in economic and demographic needs amongst other considerations including market signals and affordability concerns. NLP excluded outliers and unrealistic scenarios at the top and bottom ends of the OAN range and came to the conclusion that the most appropriate housing OAN range for Staffordshire Moorlands should be 260-440 dwellings per annum [dpa].

1.12 Following on from the initial PopGroup modelling exercise, NLP prepared the Housing Needs Study 2012-based SNPP Update in August 2014. This Update was undertaken to take account of the latest 2012-based SNPP. Other inputs were also updated where more recent information was available. The 2014 Update concluded that if the 2012-based SNPP had been available when the original study had been conducted, a lower housing OAN range of 210-430 dpa would have been recommended to reflect the significant reduction in population growth in the population projections released by the ONS.

1.13 This range encompassed the Oxford Economics Job Growth projections and would allow the District to meet its demographically-driven housing needs in full.

[2]Oadby and Wigston Borough Council vs. SoS for Communities and Local Government and Bloor Homes Limited: [2015] EWHC 1879 (Admin), dated 03/07/15. Kings Lynn and West Norfolk Borough Council vs. SoS for Communities and Local Government and Elm Park Holdings Ltd: [2015] EWHC 2464 (Admin), dated 09/07/15

1.14 As discussed above, this note will seek to consider the full implications of the latest 2012-based SNHP on the Council's OAN.

2.0 Methodology behind the 2012 SNHP

The Methodology

2.1 The headline figures from the latest 2012 based SNHP were released by CLG on 27th February 2015 and supersede the 2011-based (Interim) SNHP. The 2012-based SNHP incorporate the ONS 2012-based SNPP (published on 28th May 2014) and further information from the Census 2011.

2.2 The methodology for the 2012-based SNHP broadly follows that used for the 2011-based and 2008-based projections. The 2011-based SNHP included some changes that were required to incorporate valuable information from the 2011 Census. Since then further information from the 2011 Census has become available and has been incorporated into the 2012-based SNHP; where possible, building on the approach used for the 2011-based SNHP.

2.3 The household projections are compiled using a two stage process. Stage One produces the national and local projections for the total number of households by age group and marital status group over the projection period. The total number of households in each local area forms the basis of the control totals for Stage Two of the projection methodology, which provides the detailed household type breakdown by age.

2.4 Stage One applies projected household membership rates to a projection of the private household population disaggregated by age, sex and marital status and summing the resulting projections of household representatives. The method uses a simplified three way relationship categorisation to represent marital / cohabitational status. The categories are ‘in couples’ (including married couples who are living together and cohabiting couples); ‘separated marrieds’, ‘divorced and widowed not in couples’; and ‘people not in couples’ (not cohabiting, never married). This is an aggregation of the detailed categories in the previous CLG (Household Projection System, known as HOPS) model which captures the key household formation characteristics of the relationship status groups while retaining relative simplicity.

2.5 As in the 2011-based projections, the projection methodology for Stage One from the 2008-household projection has been maintained but adapted. The 2012-based projections includes information from the 2011 Census which, together with data from the Labour Force Survey (LFS), has been used to update the estimates for the 2011 point that are then used in the household projections methodology at a national level.

2.6 The updated national projections are then used to control a set of projections for regions and local authorities that have been derived by applying projections of the household representative rates by sex, age and status to the 2012-based household population by sex, age and status. The regional and local authority projection is then controlled to the 2011 Census aggregate household representative rate.

2.7 The projections methodology uses time-series modelling which weights together simple and dampened logistic trends. Cohort modelling is not used. The simplified time-series based projections are referred to as the Stage One projections to distinguish them from the detailed projections by household type described in Stage Two. There are six key components to the household projections produced in Stage One each of which is given in detail below:

1 Population projections

2 Marital status composition

3 Institutional population

4 Household representative rates

5 LFS adjustments

6 Regional and local household projections

2.8 The importance of the household projections to planning is emphasised in the Planning Practice Guidance which states that "*household projections produced by the Department for Communities and local Government should provide the starting point estimate of overall housing need*"[3]. Therefore, the new household projections represent an important milestone in providing evidence to inform objective assessments of housing need.

2.9 However, they do not represent the whole picture, because:

a They are based upon applying headship rates (rates of household formation) to the already released ONS 2012-based SNPP. These underlying population projections are trend based, reflecting migration patterns seen over the recession and may not be reliable in all areas. Significantly, they are already becoming outdated, with the 2012-based SNPP at the national level underestimating net in-migration to the UK by 170,000 persons over the past two years (2012/13 and 2013/14) compared with what ONS now know actually occurred.

b They reflect a long term and structural under-supply of housing over the long term, during periods of both recession and growth. Since 2001 an average of 135,000 dwellings in England have been completed each year, far short of what is needed, and there has been a 16% decline in the number of completions since the start of the millennium. Lack of dwellings constrains household formation and this historic and long term under-supply will have influenced what are firmly trend-based projections.

c They are influenced by recessionary trends since 2007, including mortgage rationing, financial instability and acute affordability constraints. Although the methodology for the household projections draw upon household formation trends over a 40 year period since 1971, they still contain a 'recency bias' reflecting trends over the last 10 years much more than trends over the longer term. The projected average household size shows that household formation rates are increasing at a

[3] National Planning Practice Guidance: 2a-015-20140306

rate somewhere between the pre-recession 2008-based projections at the 2011-based interim projections.

2.10 These factors impact both the underlying population base as well as the household formation rates, combining to present a level of household growth at a national level substantially below a level that would truly reflect need and demand.

What do the projections mean for planning?

2.11 The Government's population and household projections will continue to act as the starting point for considering evidence of housing need, and for all their problems, they are as good a starting point as any. However, caution should be exercised when applying them in evidence. They can and should be subject to adjustment where specific evidence justifies it. The advice contained in the Practice Guidance, that the projections may require adjustment to reflect household formation having been supressed historically by housing undersupply and worsening affordability, has been widely considered.

2.12 Many Planning Inspectors have taken the view that the 2011-based projections represented a suppression of household formation, particularly amongst younger age groups. This has been supported by analysis into the underlying projections such as the 'Holman Paper[4]', and whilst the 2012-based are more optimistic in household formation rates than their 2011-based predecessors, they remain lower than long term trends would indicate. Some commentators have suggested that the new projections represent a 'new normal', with reduced household formation, compared to longer term trends, likely to continue irrespective of recessionary impacts. NLP considers that applying this approach to planning would be wrong.

2.13 It is imperative to view the new projections through the prism of the Framework. This seeks to 'boost significantly' the supply of housing to meet housing demand (including demand arising from household formation) and address affordability. Were the planning system to treat the lower levels of household formation as a 'new normal' it would 'lock in' the implications of housing under-supply impacting most of all on younger age groups, particularly those starting families. With the English Housing Survey having recently shown home ownership for younger age groups falling markedly, there are profoundly negative implications for economic and social well-being.

[4] New Estimates of Housing Demand and Need in England, 2011 to 2031, Town & Country Planning Tomorrow Series Paper 16, Alan Holmans, 2013

3.0 2012-based SNHP for Staffordshire Moorlands District

3.1 This report incorporates the 2012-based SNHP and the most up to date data to assess the potential implications on objectively assessed housing need in Staffordshire Moorlands District. The 2012-based SNHP were the first full set of government projections (covering a full 25 year period) released since the 2008-based projections (December 2010), and are based on the 2012 SNHP (May 2014). Over the 25-year period (2012-2037) the SNHP project average annual household growth in Staffordshire Moorlands of 152. This is considerably lower than both the 2008-based and 2011-based SNHP, as shown in Table 3.1.

Table 3.1 Projected Household Growth in Staffordshire Moorlands

	2012-based Household Projections				2013-2033 annual H'Hold Growth		2012-2021 annual H'hold Growth	
	2012	2037	2012-2037	Annual H'holds	2012-SNHP	2008-SNHP	2012-SNHP	2011-SNHP
Staffordshire Moorlands*	41,967	45,771	3,804	152	168	250	187	222

Source: CLG 2008/2011/2012-based Household Projections

* Note – the time periods have been changed to align across the various SNHPs

Note: It is important to note that each of these household projections are based on their respective population projections. Hence applying household headship rates to different populations, (such as applying the 2011-based headship rates to the 2012-based population as in the previous update report) will result in a different household growth figure than those presented above.

3.2 The subsequent section analyses the underlying reasons behind the seemingly substantial change in the SNHP in order to assess whether sensitivity tests on the demographic-led scenarios may be necessary.

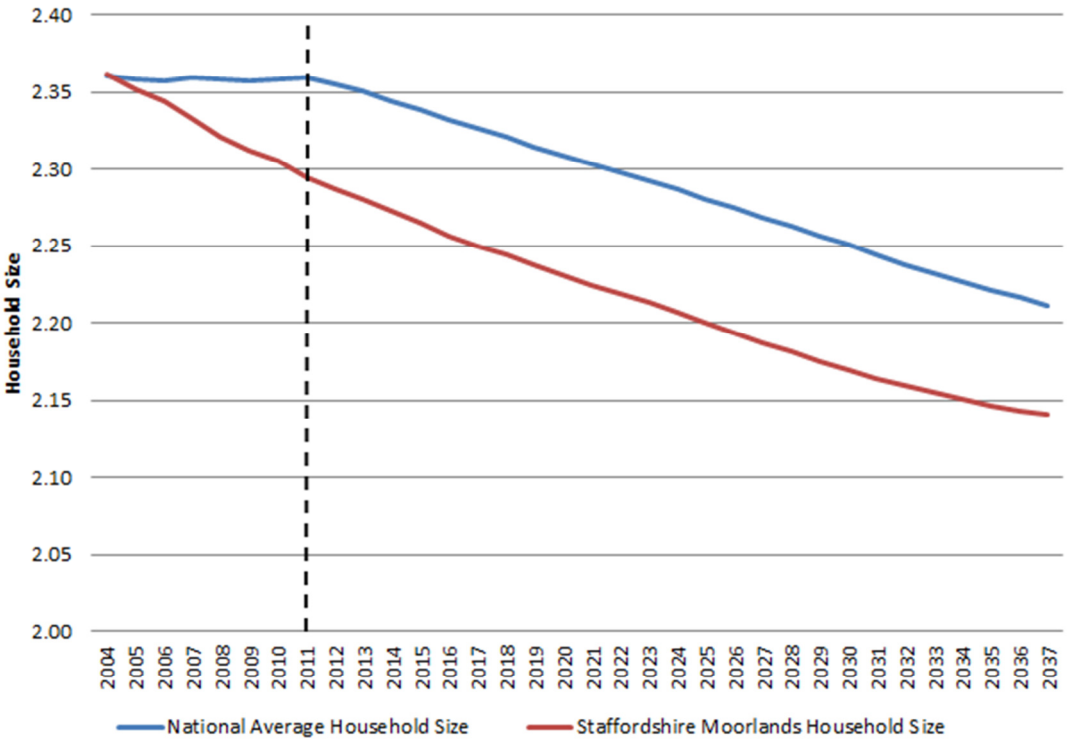
Household Formation

3.3 The 2012-based SNHP were, unlike their 2008-based counterparts, based on a period where household formation across England had slowed due to the impact of recessionary trends, namely a shortfall in supply and issues with affordability and mortgage availability. This meant that many households which would otherwise have formed (namely younger households), were not able to. Household projections (and household formation rates) are projections of recent trends – therefore trending forward supressed household formation might not be representative of the true need for housing within an area.

3.4 In terms of average household size, Figure 3.1 compares Staffordshire Moorlands' rate of change against the national average over time. Both exhibit a clear downward trend from 2011 onwards. In 2004, the national and Staffordshire Moorlands' averages were identical (2.36); however, over the period 2004 to 2011, Staffordshire Moorlands' average household size declined significantly, from 2.36 to 2.29, whilst the national average remained

almost static (2.36 to 2.35). After 2011 the rate of change is almost parallel between the two. By 2031, the national average household size is projected to be 2.24, whilst Staffordshire Moorlands' is projected to be 2.16.

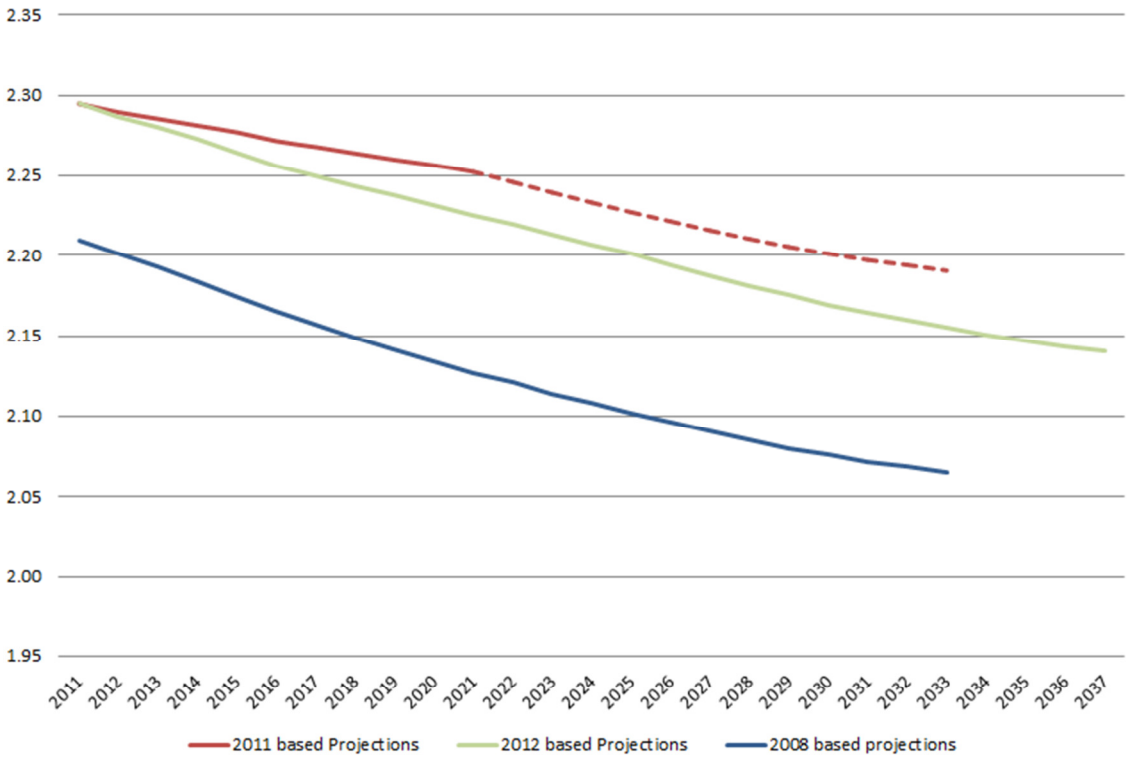
Figure 3.1 Average Household Size - National Average and Staffordshire Moorlands Average



Source: NLP Analysis / CLG 2012-based Household Projections

3.5 The average household size, as projected by each of the household projections is shown for Staffordshire Moorlands in Figure 3.2. This indicates that the 2008-based projections had the steepest rate of change, with the 2011-based projections being (by far) the most pessimistic. The latest 2012 SNHP fall between the former two projections, although they are more closely aligned to the 2011-based projections. The annual rate of change between the 2008-based and 2012-based projections is similar, although the starting point for both is very different. At 2011, the 2008-based SNHP projected average household size to be 2.2 whilst the latter 2012-based projections indicate the average household size to be 2.3.

Figure 3.2 Comparison of Changes to the Average Household Size in Staffordshire Moorlands



Source: CLG 2008/2011/2012-based Sub-National Household Projections

Note 1: The 2011-based Projections have been indexed to the 2008-based projections post 2021. This is represented by the dashed line.

Population

3.6 The total population for Staffordshire Moorlands District as projected in the 2008, 2011 and 2012 SNPPs are shown in Figure 3.3. This partly explains the significant deviation between the household growth projections in Staffordshire Moorlands between the past iterations and the most recent 2012-based SNHP.

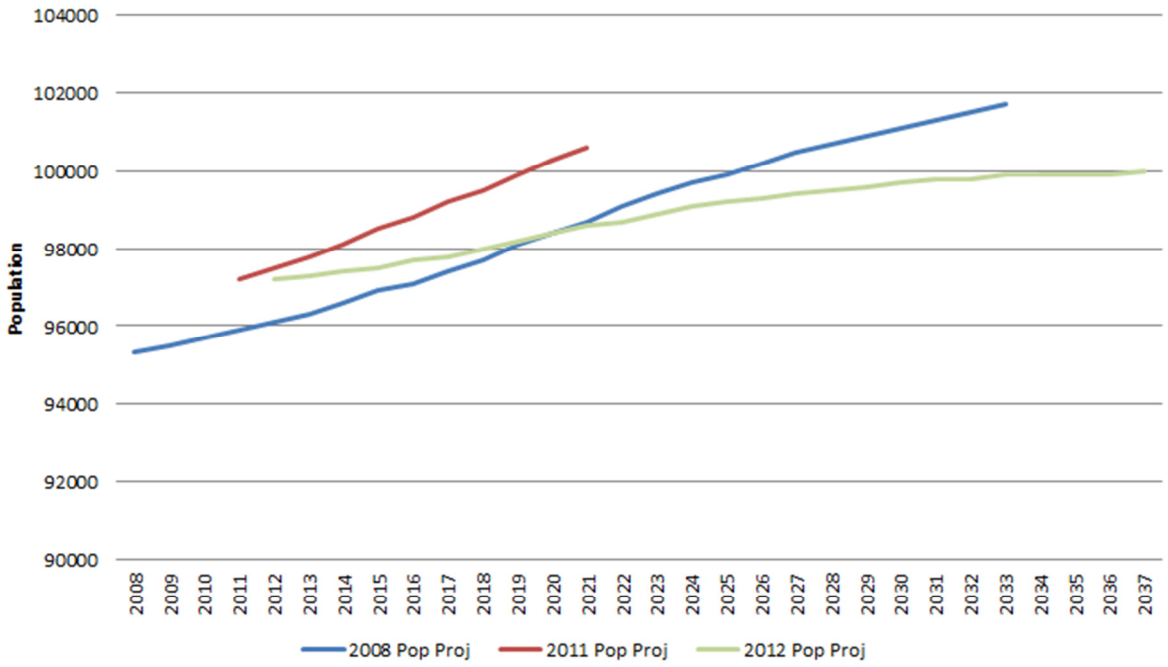
3.7 The 2008-based SNPP indicated steady population growth, from 95,300 in 2008 to 101,700 in 2033, an annual average increase of 256 persons. The starting point of the 2011-based projections is significantly higher than that projected in the 2008-based SNPP. Coupled with this the 2011-based population projections grow at a much higher annual average rate than the 2008-based equivalent (+340 persons).

3.8 The latest population projections are at variance with the previous projections and grow at a much slower rate of 112 per annum between 2012 and 2037. Although the latest projections start at a much higher point in 2012 when compared with the 2008-based projections, they grow at a much flatter rate and are surpassed in 2021. Compared to the 2008-based SNPP, the 2012 SNPP indicate that by 2033 there would be 1,800 fewer people living in Staffordshire Moorlands District despite starting from a point 1,100 higher in 2012. Combined with slightly lower rates of household formation rates when

compared to the 2008-based SNHP, it is unsurprising that household growth under the 2012-based projections is significantly lower.

3.9 Similarly, when compared to the 2011-based (Interim) SNPP, the 2012-based SNPP is 2,000 lower in 2021 despite starting just 200 lower in 2012. On average, this equates to average annual population growth of 200 lower than the 2011 projections. Despite the slightly higher household representation rates in the 2012 SNHP than their 2011 equivalents, this is insufficient to generate a higher level of household growth.

Figure 3.3 Future Population Growth in Staffordshire Moorlands District



Source: ONS 2008/2011/2012 based Sub-National Population Projections

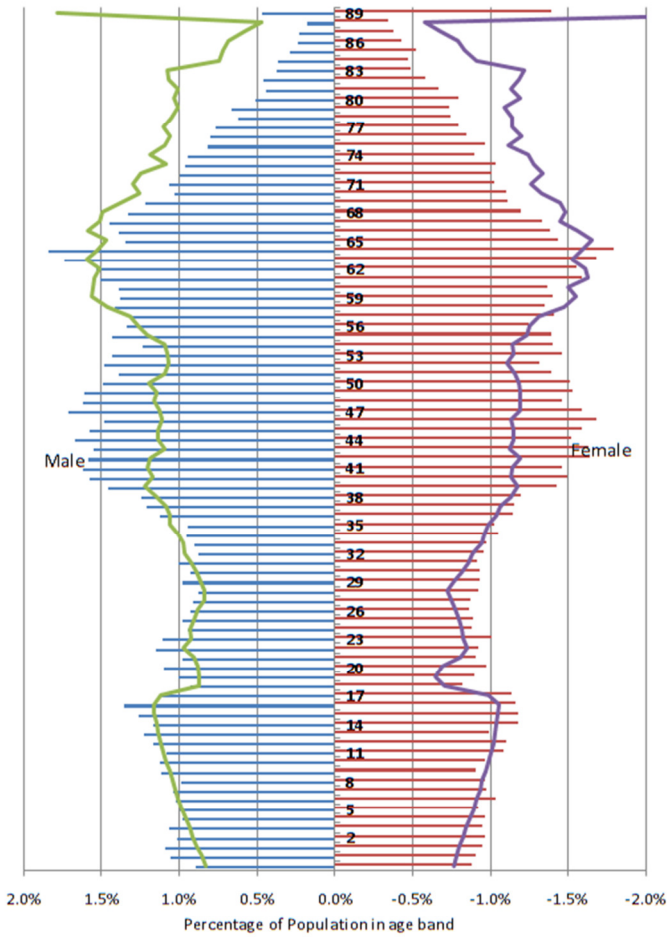
3.10 The age structure of the population is also an important consideration when examining household projections. This is because populations which are projected to see an increase in the number of older people (even when there is no population growth or even decline) are likely to see a growth in households; household size declines substantially as the head of the household ages.

3.11 The population age / sex structure of Staffordshire Moorlands is presented in Figure 3.4. It shows a decline in most of the age cohorts (both male and female) under the age of 65. The greatest change relates to the proportion of Staffordshire Moorlands' residents aged over 65 (both male and female) by 2031. In particular, the percentage of local residents over the age of 90 is expected to grow exponentially. The percentage of males aged over 90 more than trebles between 2012 and 2031, whilst the percentage of females aged over 90 more than doubles over the same time period.

3.12 In direct contrast, the percentage of males and females aged between 40 and 55 declines by 2,698 (23%) and 2,595 (22%) respectively. This must be framed in the context of overall population growth, hence the actual proportion

of people aged 40-55 declines significantly. It is therefore unsurprising that, with a considerable growth in the number of older people and the significant reduction in the numbers aged 40-55, this results in average household size reducing significantly, as this translates into smaller family units and more people living alone or in couples.

Figure 3.4 Population Age/Sex Structure in Staffordshire Moorlands, 2012-2031 (as projected in the 2012 SNPP)



Source: ONS 2012-based SNPP

Note: Outline shows year 2031

3.13 The 2014 Mid-Year Estimates [MYE] have now been released. The 2014 SNPP estimated that the population in Staffordshire Moorlands by 2014 would be 97,399. The 2014 MYE reported that the population in Staffordshire Moorlands actually rose to 97,763 an increase of 364 persons over and above the 2012-based SNPP estimates (or 0.4% overall).

Components of Change

3.14 An analysis of the four most recent comparable SNPPs for Staffordshire Moorlands District (Table 3.2) illustrates the differences in the components of change, underpinning the respective population projections. This is in addition

to the considerable differences in the level of population growth illustrated in Figure 3.3.

Table 3.2 Staffordshire Moorlands District Population Projections: Components of Change

Annual Average Change	2008-Based SNPP	2010-Based SNPP	2011-Based SNPP (Interim)	2012-Based SNPP
Births	800	840	900	800
Deaths	1,100	1,120	1,100	1,120
Natural Change	**-300**	**-280**	**-200**	**-320**
Domestic Migration In	4,000	3,960	3,900	3,640
Domestic Migration Out	3,400	3,440	3,400	3,200
International Migration In	100	200	200	120
International Migration Out	200	120	200	120
Net Annual Average	**+500**	**+600**	**+500**	**+440**

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

Note: figures do not sum due to rounding errors

3.15 Natural change is relatively consistent across all four population projections with births staying between 800-900 per annum across all of the projections. Deaths per annum are also consistent between 1,100 and 1,120 in all four projections. In terms of natural change, all four projections suggest negative natural change ranging from -200 (2011-based Interim SNPP) and -320 (2012-based SNPP).

3.16 The latest population projections have the highest negative natural change of the four projections and the lowest net annual migration figure of the four projections. Both elements combined result in net annual population increase of just 120 people compared to 320 under the 2010-based SNPP.

3.17 Comparing the migration estimates from the historic SNPPs is highly problematic, as the methodology 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 Programme;

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 form 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[5].

3.18 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 (2007/08 to 2011/12 for internal migration and 2006/07 to 2011/12 for international migration) affected by the recession and unprecedented economic downturn. ONS evidence[6] 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 supressed future estimates of migration to / from the District.

[5] ONS SNPP Quality and Methodology Information 25th September 2012
[6] ONS (July 2011): News Release: New Evidence shows how the recession is hitting UK households

4.0 PopGroup Model Run Updates

Introduction

4.1 Taking forward the methodological approach outlined in detail in the two previous Housing Needs Study documents for the District, the following scenarios were re-modelled to take into account the 2012-based SNHP data:

Demographic-led Projections:

a **Updated PopGroup 2012-based SNHP:** This scenario represents a projection of the demographic shift based on current factors and recent trends in Staffordshire Moorlands District, aligning household growth to the 2012-based SNHP. It takes account of dwelling vacancy rates in order to derive a housing need figure from the projections in household growth.

Sensitivity Tests:

i **Scenario Aa: Partial Catch-Up Headship Rates –** Using the 2012-based headship rates as a starting point, it is projected that by 2033 (starting after 2017 to allow for full economic recovery) headship rates for the younger adult age groups[7] will have caught up half of the difference between the 2012 and 2008-based SNHP headship rates. The underlying population upon which this scenario is based is the same as Scenario A, i.e. the 2012-based SNHP;

ii **Scenario Ab: 2013 & 2014 MYE –** Using the 2013 & 2014 MYE and applying the fertility, mortality, migration and headship rates from the 2012-based household projections thereafter.

iii **Scenario Ac: 2013 & 2014 MYEs + Partial Catch-Up Headship Rates –** As Ab, but incorporation of partial catch up headship rates on the same basis of Scenario Aa;

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 District);

d **Short Term Migration Trends -** based on average gross flows of internal and international migration in Staffordshire Moorlands over the five year period 2008/09 to 2012/13 as taken from the ONS MYE Series, assuming Staffordshire Moorlands will continue to see migration at a level in line with recent trends;

[7] As defined by males and females in the age groups 15-19, 20-24, 25-29 and 30-34.

e **Long Term Migration Trends –** as above, but using a ten year migration average, from 2002/03 to 2012/13, assuming Staffordshire Moorlands will continue to see migration in line with levels on average over the last decade.

Employment-led Projections

f **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 Staffordshire Moorlands (+2,250 jobs 2012-2031) over the Plan period.

Sensitivity Test:

i **Scenario Fa: Oxford Economics Job Growth + 5% Reduction in Out-Commuting -** This scenario applies the above assumption whilst factoring in a 5% reduction in out-commuting over the period 2012-2031;

g **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 unconstrained employment growth in Staffordshire Moorlands of 3,879 jobs over the course of the plan period.

Sensitivity Test:

i **Scenario Ga: Policy On Job Growth Target + 5% Reduction in Out-Commuting -** This scenario applies the above assumption whilst factoring in a 5% reduction in out-commuting over the period 2012-2031.

h **Job Stabilisation** / **Past Trends Job Growth** – Assumes that there are no additional jobs created over the assessment period, i.e. the number of jobs remains at the level achieved in 2012. The past trends job growth for the period 2000-2013 derived from the ONS Job density data indicates that the long term past trends are neutral and align with the Job Stabilisation scenario. We have therefore combined the two together.

Reality Checks

4.2 **Average Past Delivery** – using past delivery trends (2005/06 – 2014/15) to illustrate what the market has previously delivered and project these forward over the Plan period (195 dpa).

4.3 **SHMA Need:** The Staffordshire Moorlands SHMA (2014) identified a critical need for 707 (net) affordable housing dwellings annually over the next five years in the District. At a typical rate of around 33% of total housing provision, this would lead to a need of around 2,142 dpa.

4.4 **300dpa:** Testing the population and economic implications of delivering the 300 dpa target set out in Staffordshire Moorlands' adopted Core Strategy.

Scenarios – Assumptions and Approach

4.5 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 projected TFRs and SMRs under each scenario in PopGroup;

b Projected **migration** under the 2012-SNPP based scenario is taken from the age-specific numbers of in and out internal and international migrants as projected. For the five and ten year trend scenarios, the total number of migrants is constrained to those figures, and the age-profile is based on the 2012-SNPP projections of migration. For the economic-led scenarios, migration is flexed (i.e. inflated or constrained) in order to produce a population and labour force sufficient to support the given level of job change.

c Inputs on **headship rates** are based on the 2012-based SNHP which provide data by 5 year age group and sex for Staffordshire Moorlands. These cover a 25-year period to 2037 and the sensitivity scenario is as described, taking into account the 2008-based SNHP.

d In Staffordshire Moorlands (as in any area), housing **vacancies and second homes** will result in the number of dwellings needed exceeding the total number of households under any given scenario. In establishing future projections, it is likewise expected that the dwelling need will exceed household projections. Hence a vacant and second home rate of 4.02% is applied in all scenarios from 2012 onwards (this is the average of the rates for 2012, 2013 and 2014).

e In order to calculate **unemployment** rates, the figures for 2012 (5.5%), 2013 (4.7%) and 2014 (3.4%) (as taken from the Annual Population Survey) were used. This figure was held constant to 2015 to reflect initial stabilisation at the current high rate, and then gradually declined on a linear basis to the pre-recession average (2004-2007) of 2.9% over a five year time frame. This figure was then held constant to the end of the forecasting period on the grounds that it better reflects the long term trend that the current unemployment rate.

f Age and gender-specific **Economic Activity Rates** are used. The bases for these are the 2011 Census[8], and for age groups up to 65-69 the ONS 2006-based Labour Force Projections (LFP] have been applied. In addition, allowances have been made (for 65-69) for the increases in State Pension Age which will occur in 2018-2020 and 2026-2028; the latter was not taken into account in the previous study (the equalisation

[8] Given the 2011 Census only provides for older age groups as a single '65 and over' age group, an estimate of older age economic activity (necessary in order to accurately project the labour force) has been calculated based on the decline in economic activity over the life course from the 2001 Census, which provides rates up to age 65-69 and 70-74.

of State Pension Age is already accounted for in the ONS LFP). In the oldest age groups (70+), the ONS LFP significantly underestimated the economic activity rate, projecting a slight decline in males over the period 2006-2020 and female rates to remain static. Therefore an alternative assumption has been adopted, whereby rates are projected to reach a mid-point between the ONS LFP and a linear trend based on growth between 2001 and 2011. These rates are then held constant.

g It has been assumed that the **commuting rate (or labour force ratio)** remains static with no inferred increase or decrease in the ratio between in- and out- commuting. Using the Oxford Economics job data and APS unemployment data, a labour force ratio of 1.26 has been derived for 2014 onwards: i.e. Staffordshire Moorlands is an area of out-commuting.

4.6 Where scenarios have been demographically modelled, a full schedule of the assumptions and inputs can be found in Appendix 1, and the outputs can be found in Appendix 2.

Modelling Results

Demographic-led Scenarios

4.7 The demographic scenarios used the components of population change (births, deaths and migration) to project future population change. Under each scenario, the assumptions around household formation and headship rates are applied in order to derive the number of households within the population over time. This is converted into a dwelling need, and in addition the labour force / job change is derived based on the age profile of the projected population. The outputs are presented over the period 2012-2031.

Scenario A: 2012 SNHP/2012 SNPP (2012 Baseline)

4.8 This scenario models the 2012-based SNHP and the 2012-based SNPP. This means that it produces the same projection (in terms of the total number of households) as the headline projections of the CLG Live Table; however, modelling the scenario through PopGroup allows the derivation of job-related outputs and more specific levels of population change by age. Under this scenario, the population of Staffordshire Moorlands is projected to increase by 2,526 to 2031. The population growth is due to high levels of in-migration in Staffordshire Moorlands (7,373 by 2031). This is counteracted by natural change (arising from excess deaths over births) which is negative to the tune of 4,847 over the period to 2031.

4.9 Using 2012-based SNHP headship rates, there will be a total dwelling need of 3,443 between 2012 and 2031, equivalent to 181 dpa. This is predominantly due to a combination of in-migration (leading to population growth) and ageing of the local population, given that older people tend to form smaller households over time. It is projected that the number of people aged over 65 in Staffordshire Moorlands District will increase by 39% by 2031. The oldest age

groups (75-84 and 85+) would see the most substantial increases, of 69% and 134% respectively.

4.10 Despite the population growth, the aging profile of the population will result in a reduction in the labour force, with the working age population would decline by 4,394 by 2031. Taking into account overall economic activity rates of individual age groups, this scenario indicates that the number of jobs would decline by 2,333 over the period to 2031.

4.11 The key outputs for this scenario are summarised in Table 4.1.

Table 4.1 Summary of Outputs - Scenario A: 2012 SNHP, 2012 SNPP

	Scenario A: 2012 SNPP, 2012 Headship Rates		2014 HNS Update
	2012-2031	d.p.a.	d.p.a.
Population	+2,526	+133	+128
Dwellings	+3,443	+181	+184
Jobs	-2,333	-123	+101

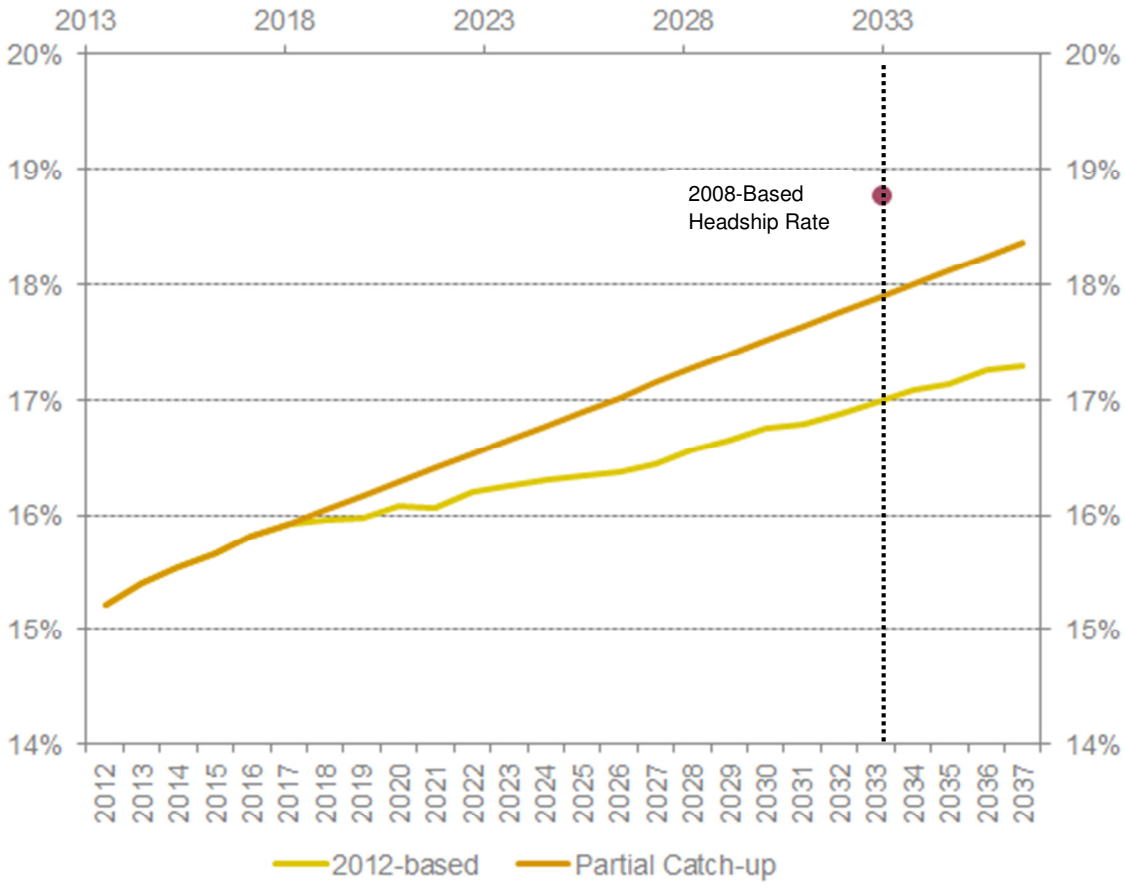
Source: NLP / CLG / ONS

Scenario Aa: 2012 SNPP Base, Headship Rate Sensitivity

4.12 Whilst the 2012 household representative rates are more optimistic than their 2011-based (Interim) counterparts, they nevertheless remain more pessimistic compared to the 2008-based SNHP. These represented projections of headship in line with longer term trends and did not take into account impacts of the recession on both the supply of housing and the ability of households to form, given the lack of mortgage finance availability. NLP has tested a scenario which assumes that over time, 'pent up' demand within the younger population (15-34 age group) will be released over time. This results in higher household formation rates for those age cohorts which, over the long term, represent a partial return to longer term trends.

4.13 An example of this is shown in Figure 4.1. This shows the 2012-based household representative rates for females in Staffordshire Moorlands age 25-29, and the sensitivities conducted as part of Scenario Aa. It has been assumed that these changes will begin to occur after a 5 year period (i.e. starting in 2017) to allow the economy to begin to return to pre-recession trends.

Figure 4.1 Percentage of Females aged 25-29 in Staffordshire Moorlands forming Head of Household - 2012 Baseline, Partial Catch Up Sensitivity



Source: CLG 2008/2012-based SNHP, NLP Analysis

4.14 The population outcomes under this sensitivity test are the same as under Scenario A; the only difference is how household formation rates (used to derive the number of households and subsequently number of dwellings) are applied to the younger population, resulting in different housing related outcomes. This is shown in Table 4.2.

Table 4.2 Dwelling Outputs - A and Aa (Headship Rate Sensitivities)

	Dwelling Outputs	
	2012-31	d.p.a.
2012 SNHP	+3,443	+181
Scenario Aa: Partial Catch Up	+3,774	+199

Source: NLP using PopGroup

Partial Catch Up – Half of the difference between 2012-based and 2008-based projections is made up by 2033 (rates trended thereafter), with this change beginning in 2017

Scenario Ab i: 2013 & 2014 Mid-Year Population Estimates

4.15 Under this sensitivity test scenario, the 2013 and 2014 Mid-Year Population Estimates were included as a population constraint in the requisite years. The

population was then rebased going forward applying the fertility, mortality and migration rates from the 2012 SNHP. The 2014 MYE indicate that the population in Staffordshire Moorlands is 394 higher than was previously outlined in the 2012 SNPP.

4.16 Based on the higher starting point in 2014, the population of Staffordshire Moorlands is projected to increase by 2,882 to 2031. The population growth is due to high levels of in-migration in Staffordshire Moorlands (7,729 by 2031). This is counteracted by natural change (arising from excess deaths over births) which is negative to the tune of 4,847 over the period to 2031. Using this scenario, there will be a total dwelling need of 3,558 between 2012 and 2031, equivalent to 187 dpa.

4.17 Despite the population growth, the aging profile of the population will result in a reduction in the labour force, with the working age population would decline by 4,058 by 2031. Taking into account overall economic activity rates of individual age groups, this scenario indicates that the labour force would decline by 2,075 over the period to 2031.

4.18 The key outputs for this scenario are summarised in Table 4.3.

Table 4.3 Summary of Outputs – Scenario Ab i: 2013 & 2014 Mid-Year Population Estimates

	Scenario Ab i: 2013 & 2014 Mid-Year Population Estimates	
	2012-2031	d.p.a.
Population	+2,882	+152
Dwellings	+3,558	+187
Jobs	-2,075	-109

Source: NLP / CLG / ONS

Scenario Ab ii: 2013 & 2014 Mid-Year Population Estimates, Headship Rate Sensitivity

4.19 Whilst the 2012 household representative rates are more optimistic than their 2011-based (Interim) counterparts, they nevertheless remain more pessimistic compared to the 2008-based SNHP. Using Scenario Ab i as the starting point, NLP has tested a scenario which assumes that over time, 'pent up' demand within the younger population (15-34 age group) will be released over time. This results in higher household formation rates for those age cohorts which, over the long term, represent a partial return to longer term trends.

4.20 The population outcomes under this sensitivity test are the same as under Scenario Ab i; the only difference is how household formation rates (used to derive the number of households and subsequently number of dwellings) are applied to the younger population, resulting in different housing related outcomes. This is shown in Table 4.4.

Table 4.4 Dwelling Outputs - Ab ii: 2013 & 2014 Mid-Year Population Estimates, Headship Rate Sensitivity

	Dwelling Outputs	
	2012-31	d.p.a.
Scenario Aa: Ab ii: 2013 & 2014 Mid-Year Population Estimates, Headship Rate Sensitivity	+3,889	+205

Source: NLP using PopGroup

Partial Catch Up – Half of the difference between 2012-based and 2008-based projections is made up by 2033 (rates trended thereafter), with this change beginning in 2017

Scenario B: Natural Change

4.21 This scenario examined the consequences of stripping out all the migration both into and out of Staffordshire Moorlands over the period 2012-2031. As a consequence, the only population growth that can be generated results from the interaction of births and deaths, i.e. natural change.

4.22 By removing all migration inputs, the population of Staffordshire Moorlands District is forecast to decrease by 3,132 residents between 2012 and 2031. This equates to dwelling growth of just 772, or 41 dpa. Under this scenario, the workforce would shrink considerably by 6,852 over the plan period. Therefore, in terms of a dwelling need simply to cater for natural change, Staffordshire Moorlands would need to cater for 41 dpa.

4.23 Whilst this scenario is unrealistic, it provides a useful indication of the level of housing that is required simply to meet annual household demand created by natural change.

Table 4.5 Summary of Scenario - Scenario B

	Scenario B: Natural Change		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	-3,132	-165	-241
Dwellings	**+772**	**+41**	**+184**
Jobs	-4,230	-223	+101

Source: NLP using PopGroup

Scenario C: Zero Net Migration

4.24 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 District 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.

4.25 This scenario would lead to a population decrease of 1,470 people over the period 2012-2031. This equates to an increase of 132 new dwellings in Staffordshire Moorlands District or just 7dpa. The zero net migration scenario would result in a decrease of 4,943 economically active people within Staffordshire Moorlands over this period, and fall in jobs of 145 annually.

4.26 The commentary provided in Scenario B considering the realism of practically excluding net out-migration is also relevant here – thus the scenario presents a hypothetical 'what if' scenario that once again demonstrates the importance of migration to Staffordshire Moorlands District's future economic growth prospects.

Table 4.6 Summary of Scenario - Scenario C

	Scenario C: Zero Net Migration		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	-1,470	-77	-241
Dwellings	**+132**	**+7**	**-53**
Jobs	-2,757	-145	-134

Source: NLP using PopGroup

Scenario D: Short Term Migration Trends

4.27 Implicit within the 2012 SNPP is the assumption that net migration will continue to increase in Staffordshire Moorlands over the course of the period 2012-2031. These recent trends have informed the 2012 SNPP which projects an increase in net migration from 152 (2012) to 505 (2031) per annum. Compared to past migration over the last 5 years, the average net migration figure has been much lower. This scenario assumes that recent trends in migration (net migration of c. 189 per annum) will continue over the projection period.

4.28 Under this scenario, net in-migration of 196 per annum equate to a total of 3,724 net in-migrants to 2031. However, due to negative natural change, there is an overall population increase of 2,764 to 2031. The number of households will actually increase and dwelling need as the population ages and smaller households form. There is however, a substantial decline in the size of the labour force and subsequently the number of jobs as the labour force subsides more quickly compared to Scenario A as a result of fewer in-migrants taking up the employment opportunities.

4.29 In terms of the associated dwelling need derived from this scenario, between 2012 and 2031 there would be a need for 92 dpa. The outcomes of this scenario are outlined in Table 4.7.

Table 4.7 Summary of Scenario - Scenario D

	Scenario D: Short Term Migration		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	2,764	145	-196
Dwellings	**+1,748**	**+92**	**+119**
Jobs	-1,002	-53	-193

Source: NLP using PopGroup

Scenario E: Long Term Migration Trend

4.30 This scenario is based upon the same assumptions as Scenario D; however a longer term, 10 year, migration trend is used. Migration over the last 10 years in Staffordshire Moorlands has been consistently positive, with the longer term average being 287 per annum. This scenario trends forward this figure, assuming that migration in Staffordshire Moorlands will follow longer term trends (thereby eliminating the impacts of any anomalies in recent years and the economic downturn.

4.31 Under this scenario, net migration is positive but natural change is negative. Despite this overall population change is positive. Over the period to 2031, the population would increase by 5,034 (265 per annum). In terms of dwelling needs, it is anticipated that the average annual dwelling need would be 136 dpa net. The key outputs from the migration trend based scenarios are shown in Table 4.8.

Table 4.8 Summary of Staffordshire Moorlands Model Outputs – Scenario E: Long Term Migration

	Scenario E: Long Term Migration		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+5,034	+265	-188
Dwellings	**+2,585**	**+136**	**+157**
Jobs	-41	-2	-298

Source: NLP using Popgroup

Economic-led Scenarios

4.32 A series of employment-led scenarios have been assessed to identify how much additional housing may be needed to take account of employment growth, over and above demographic needs.

4.33 Whilst there are a complex set of issues involving matching labour markets and housing markets (with different occupational groups having a greater or lesser propensity to travel to work), there are some simple metrics which can explore

the basic alignment of employment, demographic and housing change, notably the amount of housing needed to sustain a labour force (and therefore number of jobs) assuming certain characteristics around commuting and unemployment.

4.34 Ensuring a sufficient supply of homes within easy access of employment represents a central facet of an efficiently functioning economy and can help to minimise housing market pressures and unsustainable levels of commuting (and therefore congestion and carbon emissions). If the objective of employment growth is to be realised then it will generally need to be supported by an adequate supply of suitable housing.

Scenario F: Oxford Economics Job Growth

4.35 This is a 'policy-off' scenario using Oxford Economics projections of future employment growth in Staffordshire Moorlands District. This represents the 'unconstrained' potential of the area based on its existing business base, mix of sectors and inherent economic qualities. At a local level, past growth trends (and in particular the performance of individual sectors in the local area relative to the regional performance) represent the key driver of determining future growth, particularly with regards to growth forecasts associated with individual sectors. For Staffordshire Moorlands District, the projected job growth over the period 2012-2031 in Oxford Economics' model is +2,250.

4.36 In order to support this increase in jobs, the labour force would need to increase by 1,549 and the total population would need to grow by 13,393. This would support dwelling growth of 7,560, or 398 dpa.

Table 4.9 Summary of Scenario - Scenario F

	Scenario F: Oxford Economics Job Growth		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+13,393	+705	+825
Dwellings	**+7,560**	**+398**	**+428**
Jobs	+2,250	+118	+109

Source: NLP Using PopGroup

Scenario Fa: Oxford Economics Job Growth + 5% Reduction in Commuting

4.37 A sensitivity test was modelled on the Scenario F job projection, allowing for a reduction in the level of net out-commuting over the period 2012-2031 by 5%. Whilst recognising this would be challenging, it is understood that such a scenario is a long term objective of the Council.

4.38 Such an outcome would result in the level of job growth remaining the same as in Scenario F, but reducing the number of in-migrants required to take up those

job opportunities as they would be more effectively serviced by the existing resident population (i.e. fewer people commute out of the District for work, taking up more of the locally based jobs instead). As such, the number of new dwellings needed would be significantly lower, at 6,242 over the period 2012-2031 (329 dpa).

Table 4.10 Summary of Scenario - Scenario Fa

	Scenario Fa: Oxford Economics Job Growth + 5% Red in Comm		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+9,864	+519	+585
Dwellings	**+6,242**	**+329**	**+337**
Jobs	+2,250	+118	+109

Source: NLP using PopGroup

Scenario G: Policy On Job Growth

4.39 A further job-based estimate of future needs used the 'policy on' job creation figures set out in the Council's ELR. This sought to increase growth in targeted industrial sectors in line with regional averages. This projection estimated that there could be a total (net additional) job growth of around 3,878 by 2031, 1,628 jobs higher than Oxford Economics' Baseline Job Growth Scenario.

4.40 This represents a 'policy on' estimate of how Staffordshire Moorlands District's economy might be expected to perform in the future. It therefore presents an objective forecast of how this part of the country could perform in economic terms based on the nature of its economy and current expectations of future national and regional economic performance.

4.41 To underpin this level of job growth in Staffordshire Moorlands, there would need to be an increase in the population of 17,202, and of dwellings by 8,981. This equates to a need of 473 dpa.

Table 4.11 Summary of Scenario - Scenario G

	Scenario G: Policy On Job Growth		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+17,202	+905	+1,067
Dwellings	**+8,981**	**+473**	**+519**
Jobs	+3,878	+204	+190

Source: NLP Using PopGroup

Scenario Ga: Policy On Job Growth + 5% Reduction in Commuting

4.42 A further scenario was run similar to the above but gradually reducing the level of net out-commuting by 5% to 2031. 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 as they would be more effectively serviced by the existing resident population. As such, the number of new dwellings required would be significantly lower, at 7,610 over the Plan period (401 dpa).

Table 4.12 Summary of Scenario - Scenario Ga

	Scenario Ga: Policy On Job Growth + 5% Reduction in Commuting		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+13,530	+712	+815
Dwellings	**+7,610**	**+401**	**+424**
Jobs	+3,878	+204	+190

Source: NLP Using PopGroup

Scenario H: Job Stabilisation / Past Trends Job Growth

4.43 This scenario assumes that the number of jobs in Staffordshire Moorlands District remains at its current (2012) level over the projection period; this means that given the ageing population, there would be a need for growth in the labour force, in-migration and ultimately housing.

4.44 Over the period to 2031, in order to create a labour force large enough to support jobs in the District, there would need to be net in-migration of 12,368. This would support the current number of jobs, assuming commuting levels remain constraint and taking into account changes in unemployment. The result would be population increase of 7,901 and 5,284 new households would form. This translates into a need for 5,506 dwellings, or 290 dpa.

Table 4.13 Summary of Scenario - Scenario H

	Scenario H: Job Stabilisation		2014 HNS Update
	2012-2031	p.a.	p.a.
Population	+7,901	+416	+471
Dwellings	**+5,506**	**+290**	**+294**
Jobs	0	0	0

Source: NLP using PopGroup

Summary

4.45 The Scenarios indicate a wide range of housing OAN for the period 2012 to 2031, based upon different indicators of what the need for housing in Staffordshire Moorlands could be.

4.46 These are summarised in Table 4.14. Incorporating the 2012 SNHP into the modelling has had the effect of slightly increasing the dwelling need for all of the modelled scenarios, with the comparable scenarios ranging from between -46 and 60 dpa higher for Staffordshire Moorlands compared to the 2012 HNS update.

Table 4.14 Summary of Updated Staffordshire Moorlands District Scenarios 2012-2031

	2012-based SNHP Approach				2014 HNS Update	
	Population Change	Job Growth	Dwellings 2012-2031	Dwelling Change p.a.	Dwelling Change p.a.	Difference
A. Baseline	2,526	-2,333	3,443	181	184	-3
Aa. Baseline + Partial Catch Up			*3,774*	*199*	-	-
Ab i 2013 & 2014 MYE	2,882	-2,075	3,558	187	-	-
Ab ii 2013 & 2014 MYE + Partial Catch Up	2,882	-2,075	3,889	205	-	-
B. Natural Change	-3,132	-4230	772	41	6	+35
C. Zero Net Migration	-1,470	-2,757	132	7	-53	+60
D. Short Term Migration	2,764	-1,002	1,748	92	119	-2
E. Long Term Migration	5,034	-1,422	2,585	136	157	-3
F. Oxford Economics	13,393	2,250	7560	398	428	-30
Fa. Oxford Economic + Reduced Commuting	*9,864*	*2,250*	*6,242*	*329*	*337*	*-8*
G. Policy On Job Growth	17,202	3,878	8,,981	473	519	-46
Ga. Policy On Job Growth + Reduced Commuting	*13,530*	*3,878*	*7,610*	*401*	*424*	*-23*
H. Job Stabilisation/Past Trends	7,901	0	5,506	290	294	-4

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

Policy / Supply-Led Scenarios

4.47 These scenarios examine the implications (in terms of population growth, migration and job growth) of constraining additional housing over the period 2012-2031 to a range of specified levels; the bases for which are set out under the relevant headings. Although these are not considered to form part of the scenarios which would underpin an objective assessment of housing need, they are nevertheless useful indicators as to the impacts of providing housing based on a range of assumptions.

Affordable Housing Need

4.48 The Staffordshire Moorlands SHMA (2014) identified a critical affordable housing OAN of 707 dpa (net) affordable housing dpa over the next five years

in Staffordshire Moorlands. At a typical delivery rate of 33% of all housing, including market, and aligned with Staffordshire Moorlands affordable housing policy requirements, this would lead to a need for 2,142 dpa in total.

4.49 The provision of 2,142 dpa would result in population growth of 82,089 in Staffordshire Moorlands, of which -4,847 would result from natural change and 86,936 from net migration.

Average Past Delivery

4.50 Over the period 2005/06 to 2014/15, 1,946 dwellings were delivered in Staffordshire Moorlands at an annual average delivery rate of 195 dpa (although since 2007/08 the delivery rate has fallen from 261 to just 78 dwellings in 2013/14 and rose sharply in 2014/15 to 278). Were this level of development to continue across the projection period, there would be net in migration of 8,300 and population growth of 3,453. The labour force would decline by 3,893 and there would be job decline of 1,947 (102 per annum).

Local Plan Test – 300 dpa

4.51 The Staffordshire Moorlands Core Strategy identifies that the housing requirement for the District equates to 300 dpa. The provision of 300 dpa over the period 2012-2031 would result in population growth of 7,697, of which 12,543 is a result of in-migration. There would be a decrease in the size of the labour force as a result of this level of population growth, whilst job increase of 85 (4 per annum) would be supported.

Market Signals

4.52 The SHMA and Housing Needs Study (April 2014) provided an in-depth analysis of the market signals in Staffordshire Moorlands. Across the nine indicators, Staffordshire Moorlands was performing better than the national average on seven of them and worse on just one. The only indicator where Staffordshire Moorlands has performed worse than the national average is change in affordability, where it has the second highest rate of change of all the comparator areas. The change in affordability could be partly accounted for due to the decline in real incomes over the period, although there have also been strong rises in the median house prices over the long term in the District in line with national trends.

4.53 The level of past housing delivery between 2005/06 and 2014/15 varies considerably, from a high of 384 dpa to a low of 58 dpa. This time period covers the economic downturn, the recent recovery and the strong economy experienced pre-recession and it is considered to provide a holistic perspective on past trends in housing delivery. The total net housing completion in Staffordshire Moorlands District over the last 10-year period (2005/06 to 2014/15) was 1,946, at an average of 195 dpa.

4.54 The spread of housing delivery appears to be causing some limited problems of affordability, pushing up prices and generating adverse outcomes for people who still need to access the housing market.

4.55 Otherwise, there is limited evidence to demonstrate a degree of housing market stress within Staffordshire Moorlands that is significantly worse, or divergent, from the comparator areas. Median house prices and the rate of change are average and are below the national average. Rents are low with no change over the period. Most notably over-crowding is the lowest out of all the comparator areas.

4.56 The extent to which the demographic 'starting point' for identifying OAN for housing needs to be boosted to address market signals is necessarily an area of judgement, the Practice Guidance is clear that the more significant the affordability constraints and the stronger other indicators of high demand, the larger the additional supply response should be. Hence whilst it is considered that some upward adjustment could be necessary relative to adjoining areas, the scale of adjustment to housing supply over and above demographic-led projections at this time would not need to be substantial in line with the Practice Guidance.

4.57 Given the level of past under-delivery and the increase in the affordability ratio in particular above the national rate, the previous studies recommended an uplift to the demographic starting point of around 10%, and the same recommendation is made in this 2015 Update.

SHMA / Affordable Housing Need

4.58 The 2014 Staffordshire Moorlands SHMA provided a detailed analysis of affordable housing need in Staffordshire Moorlands. It also examined the type of accommodation most appropriate to meet this need, and the requirements of specific household groups as specified in the Practice Guidance. The report identified a critical affordable housing OAN for 707 dpa over the next five years across the District.

4.59 The Framework suggests that having identified the OAN for affordable housing, the Local Plan should meet this need subject to the constraints referred to in paragraphs 14 and 47. Both paragraphs refer to the need to be consistent with other policies set out in the Framework, with paragraph 14 stating that:

"Local Plans should meet OAN with sufficient flexibility to adapt to rapid change, unless:

Any adverse impacts of doing so would significantly and demonstrably outweigh the benefits, when assessed against the policies in this Framework, taken as a whole; or

Specific policies in this Framework indicate development should be restricted".

4.60 Furthermore, the Framework requires that Local Plans should be "*aspirational, but realistic*" [§154]. Delivering 707 affordable dpa at a rate of 33% overall

would indicate a need for 2,142 dpa. This is more than 7-times higher than the level of housing that is being planned for in the Council's adopted Core Strategy (300 dpa) and 12 times higher than the 195 dpa net delivery since 2005/06.

4.61 SMDC will be obliged to take into account affordable housing needs, recognising that these were identified on a different evidential basis, with the data focussing on household's ability to pay, rather than demographic change and economic growth.

4.62 SMDC will be required to exercise their policy choice to test whether the provision of such a level of housing would be economically realistic, based upon a variety of considerations including deliverability and viability. As set out in the Practice Guidance: "*Assessing development needs should be proportionate and does not require local councils to consider purely hypothetical scenarios, only future scenarios that could be reasonably expected to occur*"[9].

4.63 In light of the considerable affordable housing need it is proposed that a further uplift of 10% should be applied to Staffordshire Moorlands' demographic scenarios to help meet this.

[9]Practice Guidance 2a-003-20140306

5.0 Discussion

5.1 In light of the new datasets underpinning the scenarios, this section of the Update report discusses whether the previous forecasts remain valid, and whether as a consequence of this, the justification behind the range of dwelling needs given the previous report(s) remain robust and valid. Figure 5.1 and Figure 5.3 demonstrate the results of the revised modelling and compare the updated modelling exercise with the foregoing.

5.2 The Government's Practice Guidance states that *'household projections published by the Department for Communities and Local Government should provide the starting point estimate of overall housing need'*. It also states that the household projections of housing need may require adjustment to reflect factors affecting local demography and household formation rates which are not captured in past trends[10].

5.3 To comply with the Practice Guidance, this 2016 Update uses the latest household projections to derive the baseline demographic need which acts as the starting point when determining the most appropriate housing OAN. Thereafter, various assumptions, adjustments and sensitivities are applied to take account of local factors and economic aspirations.

5.4 The latest PopGroup modelling for Staffordshire Moorlands includes a variety of scenarios with the Zero Net Migration resulting in the lowest housing need (7dpa) and the Policy On Job Growth Scenario resulting in the highest (556 dpa). The inputs and scenarios modelled in this update report are identical to the scenarios ran in the previous report with the exception of the use of 2012 SNHP headship rates and starting at 2012 as opposed to 2011 together with the latest available data. The outputs from all scenarios are broadly similar, albeit the economic led scenarios are higher which results in a slightly wider OAN range. That said, all demographic scenarios modelled result in a lower housing need than the housing requirement figure of 300 dpa which is being pursued by Staffordshire Moorlands via their Core Strategy.

Evolution of Staffordshire Moorlands Districts Housing OAN

5.5 At this point it is important to revisit the original justification for the authority's housing OAN 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 needs. 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.

5.6 To recap, housing OAN must set a level of housing delivery which meets the needs associated with population and household growth, addresses the need

[10] Practice Guidance, Ref 2a-015-20140306

for all types of housing including affordable and caters for housing demand[1]. Furthermore, a planned level of housing to meet OAN must respond positively to wider opportunities for growth and should take account of market signals, including affordability[2].

SHMA and Housing OAN: Final Report (April 2014)

5.7 Using the same stepped approach to identifying OAN as before, it was considered than an objective assessment of housing need and demand for Staffordshire Moorlands fell within the OAN range 260 to 440 dpa, equivalent to 5,200 to 8,800 dwellings over the period 2012 to 2031.

5.8 This OAN range encompasses the baseline demographic-led needs for development at the lower end of the OAN range (Scenario A), whilst at the top end of the OAN range would deliver sufficient labour force to support the Oxford Economics Job Growth projections. The OAN range also encapsulated the Job Stabilisation and Policy On Job Growth +5% Reduction in Commuting scenarios (Scenarios G, Ha and I).

5.9 The April 2014 report considered that the Policy On Job Growth Scenario (528 dpa) was an outlier and would not be an appropriate housing OAN for Staffordshire Moorlands on that basis. Notwithstanding this, to ensure that there was no disconnect between the housing OAN and the Council's job growth aspirations, in order to justify a figure below 440 dpa; SMDC was advised that they should demonstrate how they would mitigate or avoid the adverse housing, economic and other outcomes that a lower-growth approach could give rise to.

Housing Needs Study: 2012-based SNPP Update (August 2014)

5.10 Having considered the 2012-SNPP and the reduced population projections outlined in the 2012 SNPP, the August 2014 Study considered that this justified a reduction in the OAN for Staffordshire Moorlands. Applying the same logical approach as in the SHMA and taking the Baseline demographic projections as the starting point, the 2014 Update concluded that a housing need figure of around 210 dpa could be justified at the lower end of the OAN 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.

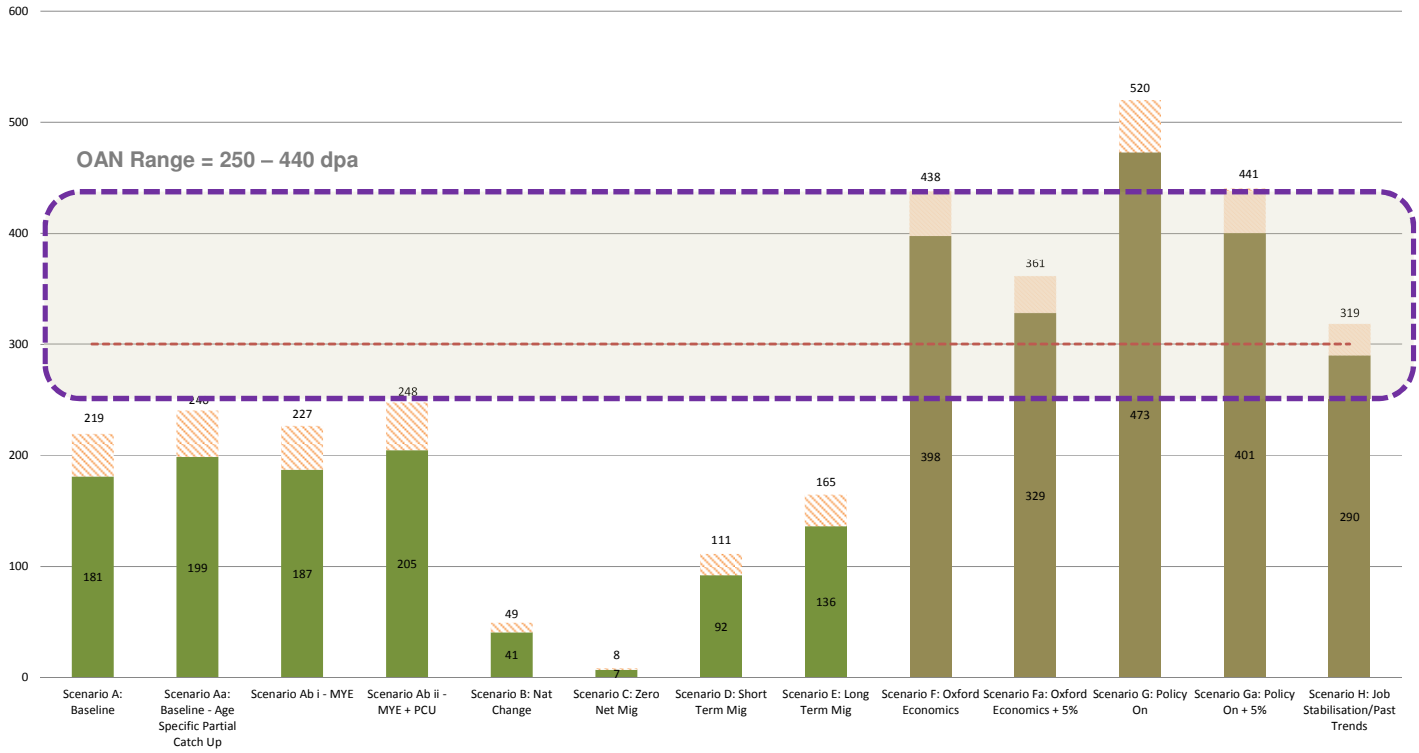
5.11 On this basis, it was recommended that the OAN housing range for Staffordshire Moorlands District be modified, from the 260-440 dpa in the 2014 SHMA, to between 210 dpa and 430 dpa. This OAN range encompassed all of the economic-led projections with the exception of the Policy On scenario, which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

[1] the Framework, §159
[2] Ibid, §17

Implications of the 2012-based SNHP on Staffordshire Moorlands' Housing OAN

5.12 Figure 5.1 illustrates the outcomes of the full range of updated scenarios (see also Table 4.14). Although the total number of households projected by the 2012-based SNHP is lower than both the 2011-based Interim and 2008-based projections, the rates of household formation underpinning the 2012-based SNHP fall between these earlier projections, whilst the changes to the total number of household are also a result of significant changes to the underlying SNPPs. Whilst in isolation the expected result would be a decrease in housing need based on household growth alone, given the rates of household formation are lower than in the previous report, there are other inputs which interact and result in differences to the overall housing need.

Figure 5.1 Summary of Scenarios for Staffordshire Moorlands (dpa)



Source: NLP Analysis

Appropriateness of the Scenarios

Demographic Scenarios

5.13 Taking into account a dwelling vacancy of 4.05%, the demographic baseline for considering housing need based on the CLG 2012-based household projections is **181 dpa**. This represents the demographic starting point upon which any housing OAN for Staffordshire Moorlands should be derived.

5.14 The 2012-based SNPP (upon which the latest household projections are based) projects that net migration to Staffordshire Moorlands will gradually

increase annually over the period to 2037, from 237 p.a. in 2012 to 545 p.a. by 2037. This increase is steady over the 25-year projection period of the 2012 SNPP and is attributable to a projected increase in net internal migration compared with past trends. There would be a significant decrease in the size of the labour force over the 25-year period and a particular spike during the middle of the time period.

5.15 A sensitivity test (Scenario Aa) which considers the implications of adopting more optimistic headship rates in younger age groups would result in a slightly higher annual housing need of 199 dpa (an increase of 10%) and is illustrative of the increased level of housing need that would arise should the assumptions towards higher household formation in these age groups be adopted.

5.16 Another sensitivity test (Scenario Ab) which considers the implications of incorporating the latest iterations of the Mid-Year Estimates (2013 & 2014) was also modelled. The 2014 MYE outline a higher population in 2014 than previously outlined in the 2012 SNPP and as such result in a slightly higher annual housing OAN (187 dpa) over the course of the plan period. A further sensitivity applying more optimistic headship rates would result in an annual housing OAN of 205 dwellings.

5.17 Over the last 10 years net migration to Staffordshire Moorlands has been positive, although not to the same levels suggested by the 2012 SNPP. As such there is a lower housing need than projected under the 2012-based SNPP. Based on a 5-year trend the housing need would be 92 dpa, whilst based on a 10-year trend the need would be 136 dpa. Both of these scenarios would result in a more significant decline in the labour force and a decline in the number of jobs. Under the five year migration scenario, the labour force would decline by 2,809 workers and there would be job losses of 1,223; under the ten year scenario, the labour force would decline by 1,536 and there would be job losses of 481 over the plan period.

5.18 Although a 'zero net migration' scenario is usually seen as being unrealistic given the limited ability of an Authority to actively control and limit migration to / from the area; in the case of Staffordshire Moorlands this almost results in a neutral housing OAN. This scenario assumes that over time the number of people moving into and out of Staffordshire Moorlands will balance out. However the age profile of in and out migrants will vary and as a result will create a 'churn' impacting on housing and job related outcomes. Under this scenario there would be a need for just 7 dpa with a negative job growth of -2,578 over the assessment period.

Demographic Conclusions

5.19 In summary, based on the evidence brought together through the scenarios modelled, the new starting point for considering full objectively assessed needs is **181 dpa**, based on the most up-to-date ONS and CLG projections, in line with the Practice Guidance. Whilst previously, NLP has placed weight on an 'index' based approach to extending the 2011-based (Interim) household projections, the new 2012-based household projections have taken a more

optimistic approach to household formation than these 2011-based rates and hence are considered an appropriate starting point. Nonetheless, these rates, particularly for younger age groups, still represent lower headship rates compared to the 2008-based projections. A sensitivity which assumes that in these age groups there is some return to a longer term trend indicates that there would be additional need to cater for this demand, of **199 dpa**. The latest MYE data indicates that population growth is slightly higher than previously predicted. When modelled it outlines an annual housing OAN of **205dpa**. Given that it is likely that the headship rates were suppressed in Staffordshire Moorlands by economic, rather than migratory reasons, it is recommended that the figure of 205 dpa be preferred to the 181 dpa and 199 dpa starting point in this instance.

5.20 The market signals analysis and update indicates that some upward adjustment to levels of housing above purely demographic-led needs in Staffordshire Moorlands. Although the picture is not clear cut across all indicators, the Practice Guidance is clear that worsening trends in any of the indicators will require upward adjustment.

5.21 Therefore, it is considered that an upward adjustment to the demographic scenarios (2012 SNPP based) would be appropriate, in the order of **10%** to cater for worsening market signals. This approach is in line with national policy and accords with recent Inspector's decisions on appropriate uplift to address moderately worsening market signals. Applied to the MYE partial catch up sensitivity (Scenario Ac), this would equate to **226 dpa**.

Employment-led Projections

5.22 The Practice Guidance requires plan makers to assess likely employment growth based on past trends and / or employment forecast. Where the labour force supply is likely to be less than the projected job growth, the Guidance states that this could result in unsustainable commuting patterns which would reduce the resilience of local businesses. In such circumstances, plan-makers should consider how the location of new housing or infrastructure development could help address these problems.

5.23 Recognising the importance of achieving a strategy which is internally consistent, it is evident that objectively assessed housing needs should seek to consider both demographic and economic implications. It should be noted that whilst there is not a direct causal relationship between job growth and housing needs, the two are nevertheless fundamentally related.

5.24 The model updates and re-creates previous scenarios of Oxford Economic Job Growth, Policy On Job Growth and Job Stabilisation (zero additional jobs). As a result of updating a number of inputs to reflect more up-to-date data the housing needs under each of these scenarios has changed.

5.25 In order to maintain the current number of jobs in Staffordshire Moorlands, assuming no increase or decline over the assessment period, and that the commuting ratio remains constant, there is a need for **290 dpa**. Under this

scenario the number of economically active persons would decrease by 1,369 whilst the number of jobs in the District would remain constant. Helping to stem the decline of working age residents in the District would achieve a more balanced population structure and reduce potential future economic difficulties and the demands of services associated with an ageing population and a more limited supply of labour.

5.26 The Oxford Economics and Policy On Job Growth scenarios are significantly in excess of the Job Stabilisation scenario, at **398 dpa and 473 dpa respectively**. The Oxford Economics forecast represents the 'unconstrained' potential of the area taking account of macro-economic factors and based on its existing business base, mix of sectors and inherent economic qualities. This forecasts 2,250 additional jobs over the period 2012-2031 in Staffordshire Moorlands. The equivalent number of jobs supported by the 2012-based SNHP scenario is negative and the difference between the two scenarios is 4,521.

5.27 The Policy On scenario factors in increased economic growth in the key sectors in line with the regional average and provides unconstrained employment growth in Staffordshire Moorlands of 3,871 jobs over the course of the plan period. This scenario results in a high number of jobs than the Oxford Economics Scenario and significantly higher than the 2012-based SNHP scenario.

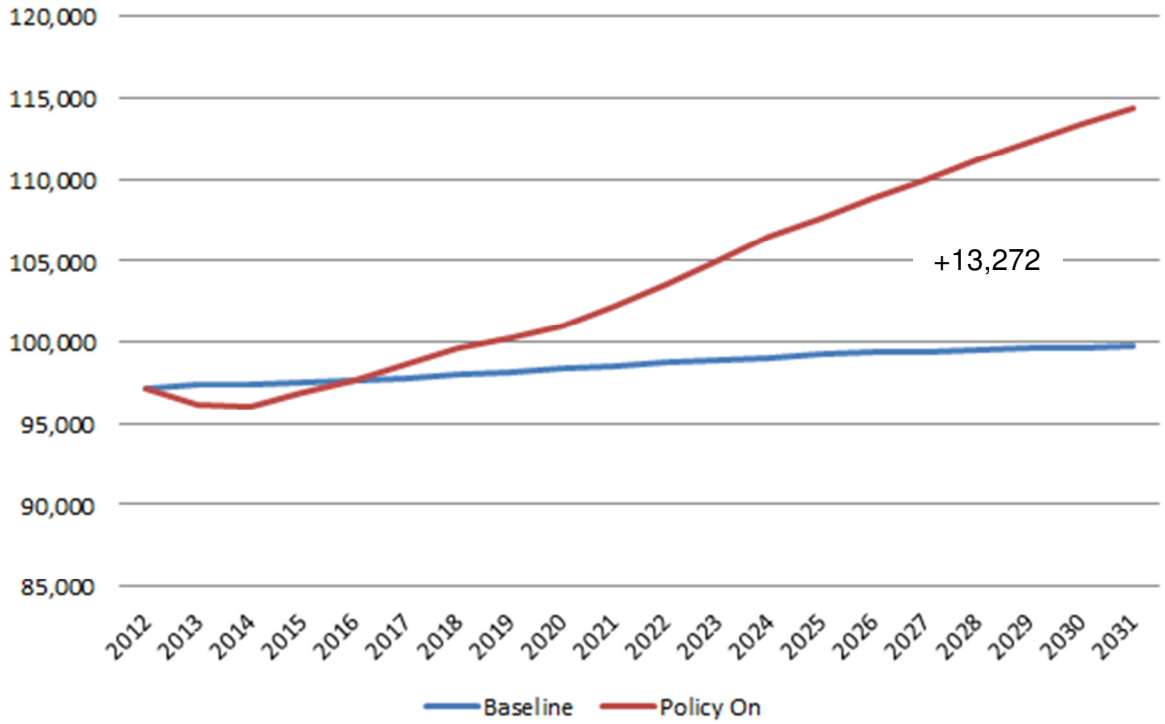
5.28 The Oxford Economics and Policy On Job Growth scenarios are based on a continuation of the commuting ratio of 1.26, reflecting Staffordshire Moorlands position as a net out-commuter for surrounding areas. Any attempt to reduce out-commuting would be a policy-on approach (which should not form a consideration in the housing OAN).

5.29 Figure 5.2 illustrates the population change under the baseline population projections and the Policy On Job Growth forecast. The 2012 SNPP projects a total population at the end of the projection period of 99,957; to achieve the Oxford Economics forecasts for job growth, the total population would need to increase by a further 10,867 residents.

5.30 Crucially, the OAN must be reasonable. On the basis of the above, and taking into account that future growth scenarios should be realistic, it is considered that the Policy On Job Growth scenario could be considered an outlier.

5.31 This is because the population growth would primarily be achieved by inward migration as opposed to natural change, and this would require a step change in migration above the level that is likely to be achievable in Staffordshire Moorlands. To illustrate this, to achieve the population growth outlined in the Policy On Job Growth Scenario, net migration would need to increase from +7,373 to +20,645 - over 13,000 net additional in migrants to achieve the required population level (all other assumptions remaining constant). This is at odds with what may be reasonably expected to occur in the District.

Figure 5.2 Population Projections for Staffordshire Moorlands



Source: NLP using PopGroup

Affordable Housing

5.32 The affordable housing scenario indicates a need for 3,535dpa, based on the evidence published in the 2014 SHMA, which states that the affordable housing OAN over the next five years is 707 dpa (at a delivery rate of 33%).

5.33 On the basis that the economic-led OAN, excluding affordable housing amounts to between 290 dpa and 398 dpa, there is a clear need to uplift the figures to take account of the significant affordable housing need in Staffordshire Moorlands. Whilst the full affordable housing OAN equates to 2,142 dpa, in practice it is extremely unlikely that anywhere near this level of housing delivery will ever be achieved in Staffordshire Moorlands, which has averaged just 195 dpa since 2005/06 and has yet to achieve more than 348 dwellings in any one year.

5.34 From this it is clear that there is a significant affordable housing need in Staffordshire Moorlands. In line with the Practice Guidance and recent High Court decisions[11] it is necessary to include an uplift in overall housing delivery is required to meet these affordable housing needs. A further 10% uplift to take account of the significant affordable housing needs would result in a figure of 438 dpa at the top end of the OAN range and 248 dpa at the bottom end

[11] Oadby and Wigston Borough Council vs. SoS for Communities and Local Government and Bloor Homes Limited: [2015] EWHC 1879 (Admin), dated 03/07/15. Kings Lynn and West Norfolk Borough Council vs. SoS for Communities and Local Government and Elm Park Holdings Ltd: [2015] EWHC 2464 (Admin), dated 09/07/15

(see Table 5.1). The top end of the OAN range could deliver 145 affordable dwellings annually at a delivery rate of 33%.

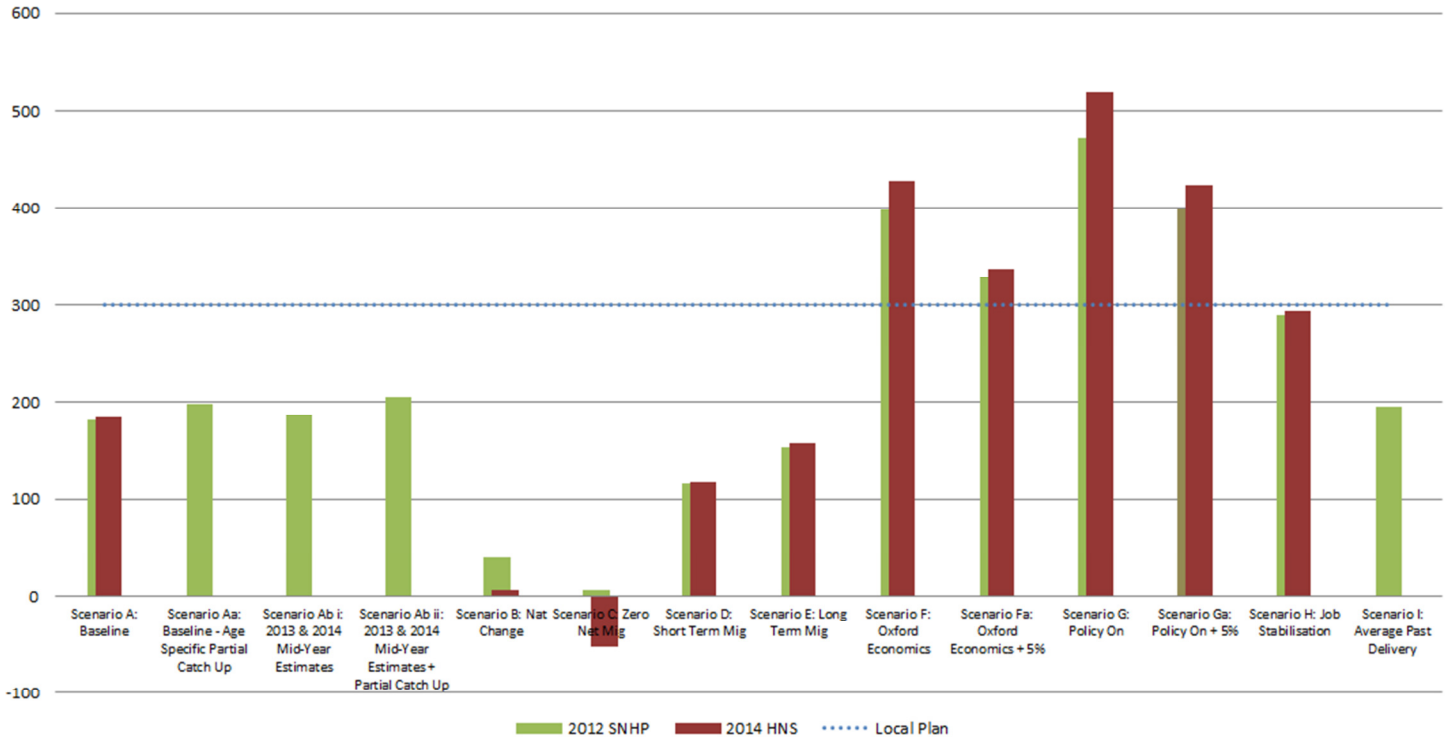
Comparison to 2014 HNS Update

5.35 Figure 5.3 compares the latest modelling outputs with the outputs from the 2014 HNS Update. As can be seen, the latest outputs are slightly different across all scenarios, some being higher and some being lower. This would suggest that the 'indexed' approach to household formation used in the previous reports gives rise to slightly lower levels of household growth than CLG's latest 2012-based SNHP headship rates. All demographic led scenarios are below the housing requirement figure contained in the Council's adopted Core Strategy[12]. The Job Stabilisation scenario is broadly aligned with the Council's housing requirement figure whilst the other economic led scenarios derive a higher level of housing need.

5.36 For comparative purposes the average past delivery over the period 2005/06 to 2014/15 has been assessed. Although this delivery figure will have been influenced by a wide variety of factors and has not been used to derive an appropriate OAN, it nonetheless provides useful information on the long term delivery average in Staffordshire Moorlands. The average past delivery figure is closely aligned to the Baseline Scenario and the Age Specific Partial Catch Up Scenario albeit slightly lower. The previous SHMA (2014) identified a need for 707 affordable housing dwellings annually over the next five years. This must be taken into consideration by the Local Authority when deriving the most appropriate housing requirement for its Local Plan.

[12] Note - We have not included the previous 2012 SNPP Partial Catch Up Scenario on Figure 5.3 as it is parameters are different from the new Partial Catch Up Scenario.

Figure 5.3 Staffordshire Moorlands – Housing OAN Scenarios Comparator



Source: NLP Analysis

Note: The 2014 HNS Update provided data over a slightly different time period, 2011-2031, rather than the 2012-2031 time period quoted for the 2012-based SNHP.

Note: NLP has not included the previous 2014 HNS Partial Catch Up Scenario as its parameters are slightly different from the new Partial Catch Up Scenario

5.37 This 2015 Update has interrogated Staffordshire Moorland's housing OAN, taking into account the most recent government projections (in terms of both households and population) as well as updated modelling inputs to take account of recent data. Whilst it concludes on the level of housing need in Staffordshire Moorlands, the housing requirement (i.e. the amount of housing which will actually be provided) is a matter for the LPA to decide, taking into account a wider range of factors not considered here, such as capacity constraints.

5.38 The definition of an OAN is 'not an exact science' and an element of judgement is necessary based on reasonable assumptions. These scenarios should be balanced alongside what is realistic and likely to happen in the future, as well as aligning with other elements of Staffordshire Moorlands' evidence base. Nevertheless, the following principles have been applied in determining the OAN, in line with the requirements of the Framework and Practice Guidance:

1 The baseline 'starting point' housing growth figures for Staffordshire Moorlands in the 2012-based SNHP project growth of **181 dpa** over the period 2012-2031. This is slightly below the level projected in the 2008 and 2011 based SNHPs.

2 The latest projections suggest that the change in household size in Staffordshire Moorlands sits somewhere between the more optimistic

long term trends exhibited in the 2008-based SNHP, and the shorter term, recessionary-influenced 2011-based SNHP, albeit weighted towards the former. As a result, the previous 'Indexed' approach to household formation resulted in a slightly lower level of housing need than the latest modelling approach using the headship rates in the 2012-based SNHP.

3 In terms of population projections, the latest 2012-based SNPP are the lowest of the past four iterations and this has been the prime influence behind the lower 2012-based SNHP. Weaker levels of net in-migration has underpinned this decline; however, modelling short term/long term migratory trends as sensitivity tests has not resulted in a level of housing need any greater than the level suggested in the Baseline Scenario A.

4 The Age Specific Partial Catch Up Scenario indicates a housing need of 199 dpa. When applied to the 2013 & 2014 MYE the annual need is 205 dpa which represents the demographic starting point.

5 Allowing for a 10% uplift to account for worsening market signals to the starting point would result in a need of around **226 dpa** which is slightly higher than the bottom end of the previous OAN range (210 dpa).

6 It is considered that the top end of the OAN range should enable the delivery of sufficient labour force levels to support the Oxford Economics Job Growth projections **398 dpa**. This is intended to allow for the economic potential of Staffordshire Moorlands to be realised. Should the Council seek to pursue the higher 'policy on' level of job growth (i.e. 473 dpa), this would need to influence their decision making in choosing a policy driven housing 'requirement'.

7 The scale of affordable housing needs, once considered as a proportion of market housing delivery, implies significantly higher estimates of total need, although whether such estimates may be realistically expected to occur is open to question. Nevertheless in light of the high level of affordable housing need identified, it is considered that this supports an uplift of 10%. This 10% uplift would increase the 226 dpa figure to **248 dpa**, and increase the 398 dpa figure to **438 dpa**.

8 To ensure that there is no disconnect between the housing OAN and the Council's economic scenarios, in order to justify a figure below 438 dpa, SMDC would need to demonstrate how it would mitigate or avoid the adverse housing, economic and other outcomes that a lower growth approach could give rise to.

9 It is therefore suggested that had the latest SNHP been available at the time of drafting the 2014 HNS Update, a revised (and rounded) OAN range of between **250 dpa and 440 dpa** would have been recommended. This is underpinned by the Baseline with Age Specific Partial Catch Up Headship, uplifted to take into account worsening market signals and affordable housing need at the lower end and the Oxford Economics' Job Growth and an allowance for affordable housing need at the top end.

5.39 Table 5.1 summarises the series of uplifts that have been applied to the various demographic and economic scenarios in line with the findings of this report.

Table 5.1 Demographic and Economic Scenarios incorporating Uplifts

	2012-2031 dpa	10% Uplift for Market Signals	10% Uplift for Affordable Housing
A. Baseline	181	199	**219**
Aa. Baseline + Partial Catch Up	199	219	**240**
Ab 2013 & 2014 MYE	187	206	**227**
Ac 2013 & 2014 MYE + Partial Catch Up	205	226	**248**
B. Natural Change	41	45	**49**
C. Zero Net Migration	7	8	**8**
D. Short Term Migration	92	101	**111**
E. Long Term Migration	136	150	**165**
F. Oxford Economics	398	~	**438**
Fa. Oxford Economic + Reduced Commuting	329	~	**361**
G. Policy On Job Growth	473	~	**520**
Ga. Policy On Job Growth + Reduced Commuting	401	~	**441**
H. Job Stabilisation/Past Trends	290	~	**319**

Conclusions

5.40 This 2015 update report has tested the on-going validity of the housing OAN of 210 to 430 dpa identified in the 2012-based SNPP Update (August 2014). Having adjusted the modelling to incorporate the latest, lower, headship rates in the 2012-based SNHP; taking into account worsening market signals as before and an additional allowance for affordable housing need; and planning for a level of economic growth to match earlier assumptions, this would point to a revised housing OAN range of **between 250 dpa and 440 dpa for Staffordshire Moorlands District**.

5.41 This OAN range takes the CLG's most recent 2012-based household projections as the starting point for identifying need, accelerating household formation post 2021 to allow for the return to growth and increased headship rates amongst younger households. A judgement has been taken to increase the demographic and economic starting point to allow for moderately

worsening housing market signals, by around 10% and a further 10% to cater for the affordable housing need of the District has been applied to the demographic and economic scenarios.

5.42 This OAN 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.

5.43 This OAN range provides a realistic level of housing delivery which will support economic growth and address potentially worsening housing market signals, whilst meeting the full demographically-assessed need for housing in the District.

5.44 If Staffordshire Moorlands was to pursue a figure significantly lower than the top end of the OAN range, it would need to justify how it would mitigate or avoid the adverse housing, economic and other outcomes that a lower growth approach would give rise to. It would also need to evidence how the adverse impact of meeting housing need would '*significantly and demonstrably outweigh the benefits'* [the Framework, §14] as well as make provision, through the duty-to-cooperate, for those needs to be met in full elsewhere within the wider HMA.

5.45 Supply-side factors, such as development constraints, policy constraints, infrastructure and environmental capacity, land supply and development viability amongst other considerations, are beyond the remit of this update, but may give an indication as to where the requirement target may sit within the OAN range identified above. Similarly, such factors may provide Staffordshire Moorlands with the rationale to deliver more or less than an objective assessment of need, based upon the range of evidence supporting its Local Plan.

5.46 Staffordshire Moorlands will also be obliged to fully take into account affordable housing needs, recognising that these were identified on a different evidential basis, with the data focussing on household's ability to pay, rather than demographic change and economic growth. Staffordshire Moorlands will need to exercise their policy choice to test whether the delivery of 707 affordable dpa would require a further uplift to the Local Plan housing requirement on the basis of whether this would be economically realistic; and also taking into account a variety of considerations including deliverability and viability.

Appendix 1 Inputs and Assumptions

DEMOGRAPHIC	Scenario A: Baseline (Scenario Ai: Age Specific Partial Catch Up)	Scenario Ab i: 2013&2014 MYE (Scenario Ab ii: 2013&2014 MYE Age Specific Partial Catch Up)	Scenario B – Natural Change	Scenario C – Zero Net Migration	Scenario D: Short Term Migration Trend / Scenario E: Long Term Migration Trend
Population					
Baseline Population	A 2012 baseline population is taken from the 2012 Mid-year population estimates for Staffordshire Moorlands, split by age cohort and gender. The population for 2012-2031 is constrained to the 2012-based SNPP for the District, by age and sex.	The 2012, 2013 and 2014 population is taken from the MYEs, split by age cohort and gender.	A 2012 baseline population is taken from the 2012 Mid-year population estimates for Staffordshire Moorlands, split by age cohort and gender. In 2013, the total population is constrained to the 2013 Mid-Year Estimates, in order that the components of change (births, deaths, migration) reflect the most up-to-date data for the District.		
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.		For 2012-13, the number of births recorded in the District in the Mid-Year Estimates is used. This is to reflect the latest data and to align with the number of migrants (and final population) in 2013. From 2013/14 onwards, the TFR as projected in the 2012 SNPP applies.		
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.		For 2012-13, the number of deaths recorded in the District in the Mid-Year Estimates is used. This is to the latest data and to align with the number of migrants (and final population) in 2013. From 2013/14 onwards, the SMR as projected in the 2012 SNPP applies.		
Internal Migration	Gross domestic in and out migration flows are adopted based on forecast migration into the District 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).		Migration in/out to Staffordshire Moorlands is reduced to zero.	Gross flows are based on the 2012 SNPP and are neutralised to create zero net migration flows. For 2012/13, the mid-year estimates of migration were used, with the 'zero net' flows applying from 2013/14 onwards.	Gross domestic internal migration flows are adopted based on average gross past trends for the past 5/10 years. In 2012/13, the mid-year estimates of migration were used with the trend applied 2013/14 onwards.

DEMOGRAPHIC	Scenario A: Baseline (Scenario Ai: Age Specific Partial Catch Up)	Scenario Ab i: 2013&2014 MYE (Scenario Ab ii: 2013&2014 MYE Age Specific Partial Catch Up)	Scenario B – Natural Change	Scenario C – Zero Net Migration	Scenario D: Short Term Migration Trend / Scenario E: Long Term Migration Trend
International Migration	Gross international in and out migration flows are adopted based on forecast migration in the District 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.
Propensity to Migrate (Age Specific Migration Rates)	Age Specific Migration Rates (ASMigR) for both in and out migration is based upon the age profile of migrants to and from the District projected in the 2012-based SNPP. These identify a migration rate for each age cohort within the District (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 District (but not the total numbers of migrants).				
Housing					
Headship Rates	Headship rates that are specific to Staffordshire Moorlands are applied in the modelling. These are taken from the 2012-based Sub-National Household Projections, and as of May 2015 'Stage 1' outputs were available. These provided headship rates by age, sex and relationship status. The relationship statuses have been amalgamated so that headship rates by sex and five year age group only are inputted into the modelling. Applied to the population, these determine the percent of people in a given age/sex group who will form a head of household. For all scenarios except Ai, the rates as taken directly from CLG are applied. For the 'partial catch-up' scenario, the rates for young people in the age groups 15-19 to 30-34 are projected to reach, by 2033, half way between then 2008-based and 2012-based projections.				
Population not in households	The number of population not in households (e.g. those in institutional care) is similarly taken from the 2012-based household projections. CLG provide these by the number of people in each sex/five year age groups/relationship status in institutional care. Above age 75, these numbers have been converted into a rate; therefore under scenarios which project a different population size and/or age structure to the 2012 SNPP (which the CLG household projections are based on) this is taken into account when considering the number of elderly people likely to be in care home or other non-household accommodation.				
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 average vacancy/second home rate in Staffordshire Moorlands District is 4.02% based on the average second home/vacancy rates in CLG Council Tax Base data for 2012-2014.				
Economic					
Economic Activity Rate	Age and gender specific economic activity rates are used. The bases for these are the 2011 Census. For age groups 16-24, rates are projected to reach the ONS Labour Force Projections (LFP) by 2020, and then held constant. For ages 25-69, the ONS LFP growth rates are applied, and held constant post 2020. In older age groups, an adjustment has been made to take account of higher economic activity than projected in the LFP. Rates for 70-74 year olds are projected to reach a mid-point between the ONS LFP and a linear trend based on 2001-2011 growth, then held constant. Above this age, the 70-74 growth rate is applied. Further adjustments have been made for males and females age 65-69 to take into account of changes in Statutory Pension Age in 2018-2020 and 2026-2028.				
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). This is based on the number of jobs identified by Oxford Economics in 2014 and the number of economically active people in employment from the APS creating a LF Ratio of 1.26 in 2014, with this figure kept constant for the remainder of the plan period to 2031				

DEMOGRAPHIC	Scenario A: Baseline (Scenario Ai: Age Specific Partial Catch Up)	Scenario Ab i: 2013&2014 MYE (Scenario Ab ii: 2013&2014 MYE Age Specific Partial Catch Up)	Scenario B – Natural Change	Scenario C – Zero Net Migration	Scenario D: Short Term Migration Trend / Scenario E: Long Term Migration Trend
Unemployment	The unemployment rate is taken from the ONS Annual Population Survey model-based estimates of economically active people not in employment. The rates for 2013 (4.7%) and 2014 (3.4%) have been applied, and the rate is projected such that by 2020, unemployment returns to the pre-recession average of 2.9%.				

EMPLOYMENT FACTORS	Scenario F. Oxford Economics Job Growth and Ga Sensitivity Test	Scenario G. Policy On Job Growth and Ga Sensitivity Test	Scenario H: Job Stabilisation
Population			
Baseline Population	A 2012 baseline population is taken from the 2012 Mid-year population estimates for Staffordshire Moorlands, split by age cohort and gender.		
Births	The TFR derived from the 2012 SNPP is applied. This drives the number of births in each year based on the population.		
Deaths	The SMRs derived from the 2012 SNPP is applied. This drives the number of deaths in each year based on the population.		
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 District for this employment scenario. This was based on taking forward forecast job growth based on Oxford Economics forecasts (+2,250 jobs 2012-2031 for Staffordshire Moorlands)	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 District for this employment scenario. This was based on taking forward forecast job growth based on Policy On forecasts (+3,879 jobs for Staffordshire Moorlands)	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 District for this employment scenario. This was based on constraining the annual number of additional jobs in Staffordshire Moorlands to 0.
International Migration	As above, but for international rather than internal migration.		
Propensity to Migrate (Age Specific Migration Rates)	Age Specific Migration Rates (ASMigR) for both in and out domestic migration are based upon the age profile of migrants to and from Staffordshire Moorlands District in the 2010-based SNPP. These identify a migration rate for each age cohort within the District (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 District (but not the total numbers of migrants).		

EMPLOYMENT FACTORS	Scenario F. Oxford Economics Job Growth and Ga Sensitivity Test	Scenario G. Policy On Job Growth and Ga Sensitivity Test	Scenario H: Job Stabilisation
Housing			
Headship Rates	Headship rates that are specific to Staffordshire Moorlands District and forecast over the period to 2037 were taken from the CLG 2012-based household projections. These headship rates were split by age cohort and by household typology. No change has been assumed from the rates published by CLG.		
Population not in Households	The number of population not in households (e.g. those in institutional care) is similarly taken from the 2012-based household projections. CLG provide these by the number of people in each sex/five year age groups/relationship status in institutional care. Above age 75, these numbers have been converted into a rate; therefore under scenarios which project a different population size and/or age structure to the 2012 SNPP (which the CLG household projections are based on) this is taken into account when considering the number of elderly people likely to be in care home or other non-household accommodation.		
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 average vacancy/second home rate in Staffordshire Moorlands District is 4.02% based on the average second home/vacancy rates in CLG Council Tax Base data for 2012-2014.		
Economic			
Economic Activity Rate	Age and gender specific economic activity rates are used. The bases for these are the 2011 Census. For age groups 16-24, rates are projected to reach the ONS Labour Force Projections (LFP) by 2020, and then held constant. For ages 25-69, the ONS LFP growth rates are applied, and held constant post 2020. In older age groups, an adjustment has been made to take account of higher economic activity than projected in the LFP. Rates for 70-74 year olds are projected to reach a mid-point between the ONS LFP and a linear trend based on 2001-2011 growth, then held constant. Above this age, the 70-74 growth rate is applied. Further adjustments have been made for males and females age 65-69 to take into account of changes in Statutory Pension Age in 2018-2020 and 2026-2028.		
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). This is based on the number of jobs identified by Oxford Economics in 2014 and the number of economically active people in employment from the APS creating a LF Ratio of 1.26 in 2014, with this figure kept constant for the remainder of the plan period to 2031		
Unemployment	The unemployment rate is taken from the ONS Annual Population Survey model-based estimates of economically active people not in employment. The rates for 2013 (4.7%) and 2014 (3.4%) have been applied, and the rate is projected such that by 2020, unemployment returns to the pre-recession average of 2.9%.		

Appendix 2 PopGroup Output Sheets

Population Estimates and Forecasts

Scenario A: Staffordshire Moorlands Baseline

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	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	435	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	892	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	1.84	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	434	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	478	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	912	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	96.7	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	100.8	108.1	110.8	101.7	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	98.8	105.7	108.3	100.1	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	79.5	78.8	78.4	79.2	79.5	80.0	80.1	80.4	80.7	81.0	81.2	81.5	81.7	81.9	82.2	82.4	82.5	82.7	82.9	83.1	83.2	83.4	83.5	83.7	83.9	84.0	84.1
Expectation of life: females	83.2	82.6	82.2	83.1	83.5	83.8	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	86.7	86.8	87.0	87.1	87.2	87.4
Expectation of life: persons	81.5	80.9	80.4	81.3	81.6	82.0	82.1	82.4	82.6	82.9	83.1	83.3	83.6	83.8	84.0	84.1	84.3	84.5	84.7	84.9	85.0	85.1	85.2	85.4	85.6	85.7	85.8
Deaths input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from the UK																											
Male	1,604	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	1,764	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	3,368	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	0.0	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	0.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																											
Male	1,578	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	1,759	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	3,337	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	35.1	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	36.0	36.2	36.0	36.1	36.0	35.8	35.8	35.7	35.7	35.8	35.7	35.8
SMigR: females	39.1	42.3	39.2	38.9	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	38.8	38.9	38.9	38.9	39.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	331	379	305	114	113	110	113	111	112	111	112	112	112	111	112	111	112	113	113	113	115	115	114	115	117	115
Female	427	396	332	270	102	105	104	99	99	99	97	97	96	97	97	95	97	97	95	97	96	96	96	96	95	95	95
All	768	727	711	575	217	218	214	212	211	211	208	209	208	209	208	207	209	209	208	210	209	211	212	210	210	211	210
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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	372	302	358	102	97	97	99	99	100	99	99	100	99	98	100	99	100	101	101	101	103	103	102	102	104	103
Female	282	303	257	326	93	94	94	89	90	90	88	88	87	88	88	86	88	87	86	87	87	87	87	86	86	86	85
All	557	676	559	683	195	191	191	188	190	189	186	187	187	187	186	186	188	188	187	189	188	189	190	188	188	190	188
SMigR: males	111.3	151.0	123.8	147.5	42.4	40.5	40.5	41.7	42.2	42.5	42.2	42.8	43.4	43.4	43.1	44.0	43.9	44.3	44.7	44.7	44.6	45.2	45.5	44.8	44.9	45.8	45.1
SMigR: females	148.7	160.9	136.7	173.8	50.4	51.0	51.6	49.2	50.4	50.6	50.0	50.5	50.4	51.1	51.4	50.5	52.2	51.8	51.1	52.0	51.6	51.7	51.8	51.4	51.1	50.9	50.8
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+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	+211	+51	+152	-108	+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	-20	-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	+242	+180	+367	+110	+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	+222	+28	+178	-16	+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	9.19	8.81	8.93	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	9.39	10.38	10.87	10.21	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	2.49	1.85	3.77	1.13	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

	2010	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	4,600	4,709	4,739	4,688	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	5,858	5,789	5,785	5,889	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	5,623	5,524	5,382	5,300	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	2,380	2,373	2,406	2,371	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	54,561	54,281	53,653	53,352	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	15,120	15,396	15,911	16,240	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	6,461	6,602	6,775	6,995	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+	2,384	2,535	2,586	2,580	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	96,987	97,209	97,237	97,415	97,399	97,528	97,682	97,835	98,001	98,178	98,368	98,563	98,750	98,919	99,067	99,211	99,341	99,445	99,542	99,624	99,696	99,763	99,818	99,861	99,897	99,924	99,943	99,957
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	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	0.33	0.34	0.36	0.37	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	0.59	0.60	0.63	0.64	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	44.3	44.7	45.3	45.7	46.1	46.5	46.9	47.3	47.6	48.0	48.3	48.6	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4
Median age females	46.0	46.5	46.9	47.2	47.7	48.2	48.6	49.0	49.4	49.9	50.2	50.6	50.9	51.2	51.5	51.7	51.9	52.1	52.2	52.3	52.4	52.4	52.5	52.6	52.7	52.8	52.9	53.0
Sex ratio males /100 females	96.8	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	+131	-130	+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			41,968	42,096	42,295	42,488	42,712	42,889	43,066	43,249	43,450	43,651	43,833	44,014	44,189	44,364	44,544	44,717	44,862	45,010	45,153	45,272	45,378	45,475	45,562	45,642	45,717	45,770
Change in Households over previous year				+128	+199	+193	+224	+177	+177	+184	+200	+201	+183	+180	+176	+174	+180	+174	+144	+149	+143	+119	+106	+97	+86	+80	+76	+52
Number of supply units			43,725	43,859	44,066	44,268	44,501	44,685	44,870	45,061	45,269	45,479	45,669	45,857	46,040	46,222	46,409	46,590	46,741	46,896	47,044	47,169	47,279	47,380	47,470	47,553	47,632	47,687
Change in over previous year				+134	+208	+201	+233	+184	+184	+191	+208	+209	+191	+188	+183	+182	+187	+181	+150	+155	+149	+124	+110	+101	+90	+83	+79	+54
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,872	48,632	48,485	48,351	48,123	47,895	47,831	47,761	47,464	47,131	46,738	46,296	46,067	45,811	45,533	45,298	45,042	44,843	44,638	44,428	44,267	44,107	43,968	43,843	43,742
Change in Labour Force over previous year		-129	-1,308	-160	-240	-147	-135	-228	-228	-64	-70	-297	-333	-393	-442	-229	-257	-278	-235	-256	-200	-205	-210	-161	-160	-138	-125	-100
Number of supply units	37,178	36,965	36,764	36,997	37,318	37,206	37,141	37,004	36,867	36,856	36,839	36,610	36,354	36,051	35,710	35,533	35,335	35,121	34,940	34,742	34,589	34,431	34,268	34,144	34,021	33,914	33,817	33,740
Change in over previous year		-214	-201	+233	+321	-112	-65	-137	-137	-11	-16	-229	-257	-303	-341	-177	-198	-214	-181	-197	-154	-158	-162	-124	-124	-107	-97	-77

Population Estimates and Forecasts

Scenario Aa: Staffordshire Moorlands Baseline + Partial Catch Up

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	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	435	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	892	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	1.84	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	434	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	478	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	912	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	96.7	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	100.8	108.1	110.8	101.7	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	98.8	105.7	108.3	100.1	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	79.5	78.8	78.4	79.2	79.5	80.0	80.1	80.4	80.7	81.0	81.2	81.5	81.7	81.9	82.2	82.4	82.5	82.7	82.9	83.1	83.2	83.4	83.5	83.7	83.9	84.0	84.1
Expectation of life: females	83.2	82.6	82.2	83.1	83.5	83.8	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	86.7	86.8	87.0	87.1	87.2	87.4
Expectation of life: persons	81.5	80.9	80.4	81.3	81.6	82.0	82.1	82.4	82.6	82.9	83.1	83.3	83.6	83.8	84.0	84.1	84.3	84.5	84.7	84.9	85.0	85.1	85.2	85.4	85.6	85.7	85.8
Deaths input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from the UK																											
Male	1,604	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	1,764	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	3,368	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	0.0	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	0.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																											
Male	1,578	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	1,759	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	3,337	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	35.1	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	36.0	36.2	36.0	36.1	36.0	35.8	35.8	35.7	35.7	35.8	35.7	35.8
SMigR: females	39.1	42.3	39.2	38.9	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	38.8	38.9	38.9	38.9	39.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	331	379	305	114	113	110	113	111	112	111	112	112	112	111	112	111	112	113	113	113	115	115	114	115	117	115
Female	427	396	332	270	102	105	104	99	99	99	97	97	96	97	97	95	97	97	95	97	96	96	96	96	95	95	95
All	768	727	711	575	217	218	214	212	211	211	208	209	208	209	208	207	209	209	208	210	209	211	212	210	210	211	210
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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	372	302	358	102	97	97	99	99	100	99	99	100	99	98	100	99	100	101	101	101	103	103	102	102	104	103
Female	282	303	257	326	93	94	94	89	90	90	88	88	87	88	88	86	88	87	86	87	87	87	87	86	86	86	85
All	557	676	559	683	195	191	191	188	190	189	186	187	187	187	186	186	188	188	187	189	188	189	190	188	188	190	188
SMigR: males	111.3	151.0	123.8	147.5	42.4	40.5	40.5	41.7	42.2	42.5	42.2	42.8	43.4	43.4	43.1	44.0	43.9	44.3	44.7	44.7	44.6	45.2	45.5	44.8	44.9	45.8	45.1
SMigR: females	148.7	160.9	136.7	173.8	50.4	51.0	51.6	49.2	50.4	50.6	50.0	50.5	50.4	51.1	51.4	50.5	52.2	51.8	51.1	52.0	51.6	51.7	51.8	51.4	51.1	50.9	50.8
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+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	+211	+51	+152	-108	+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	-20	-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	+242	+180	+367	+110	+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	+222	+28	+178	-16	+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	9.19	8.81	8.93	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	9.39	10.38	10.87	10.21	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	2.49	1.85	3.77	1.13	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

	2010	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	4,600	4,709	4,739	4,688	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	5,858	5,789	5,785	5,889	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	5,623	5,524	5,382	5,300	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	2,380	2,373	2,406	2,371	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	54,561	54,281	53,653	53,352	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	15,120	15,396	15,911	16,240	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	6,461	6,602	6,775	6,995	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+	2,384	2,535	2,586	2,580	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	96,987	97,209	97,237	97,415	97,399	97,528	97,682	97,835	98,001	98,178	98,368	98,563	98,750	98,919	99,067	99,211	99,341	99,445	99,542	99,624	99,696	99,763	99,818	99,861	99,897	99,924	99,943	99,957
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	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	0.33	0.34	0.36	0.37	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	0.59	0.60	0.63	0.64	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	44.3	44.7	45.3	45.7	46.1	46.5	46.9	47.3	47.6	48.0	48.3	48.6	48.8	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4
Median age females	46.0	46.5	46.9	47.2	47.7	48.2	48.6	49.0	49.4	49.9	50.2	50.6	50.9	51.2	51.5	51.7	51.9	52.1	52.2	52.3	52.4	52.4	52.5	52.6	52.7	52.8	52.9	53.0
Sex ratio males /100 females	96.8	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	+131	-130	+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			41,968	42,089	42,295	42,488	42,712	42,889	43,102	43,318	43,547	43,780	43,991	44,196	44,397	44,592	44,786	44,973	45,133	45,299	45,454	45,590	45,711	45,826	45,933	46,035	46,133	46,217
Change in Households over previous year				+121	+206	+193	+224	+177	+213	+216	+229	+233	+211	+206	+201	+195	+194	+187	+161	+166	+156	+136	+121	+116	+107	+102	+98	+84
Number of supply units			43,725	43,852	44,066	44,268	44,501	44,685	44,907	45,132	45,370	45,613	45,833	46,047	46,256	46,460	46,661	46,856	47,024	47,196	47,358	47,500	47,625	47,746	47,857	47,963	48,065	48,153
Change in over previous year				+127	+214	+201	+234	+184	+222	+225	+238	+243	+220	+214	+209	+203	+202	+195	+167	+172	+162	+141	+126	+120	+111	+106	+102	+87
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,872	48,632	48,485	48,351	48,123	47,895	47,831	47,761	47,464	47,131	46,738	46,296	46,067	45,811	45,533	45,298	45,042	44,843	44,638	44,428	44,267	44,107	43,968	43,843	43,742
Change in Labour Force over previous year		-129	-1,308	-160	-240	-147	-135	-228	-228	-64	-70	-297	-333	-393	-442	-229	-257	-278	-235	-256	-200	-205	-210	-161	-160	-138	-125	-100
Number of supply units	37,178	36,965	36,764	36,997	37,318	37,206	37,141	37,004	36,867	36,856	36,839	36,610	36,354	36,051	35,710	35,533	35,335	35,121	34,940	34,742	34,589	34,431	34,268	34,144	34,021	33,914	33,817	33,740
Change in over previous year		-214	-201	+233	+321	-112	-65	-137	-137	-11	-16	-229	-257	-303	-341	-177	-198	-214	-181	-197	-154	-158	-162	-124	-124	-107	-97	-77

Population Estimates and Forecasts

Scenario Ab: Staffordshire Moorlands Baseline + MYE

Components of Population Change

Year beginning July 1st .....

	2010-11	*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	457	439	445	445	442	436	432	433	431	428	424	422	419	416	413	410	407	404	401	399	397	396	395	395	396	398	
Female	435	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	892	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	1.84	1.78	1.83	1.84	1.83	1.81	1.79	1.80	1.79	1.78	1.77	1.77	1.77	1.77	1.76	1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78	1.78	
Births input																											
Deaths																											
Male	434	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	478	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	912	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	96.7	103.1	105.8	98.4	95.3	91.8	91.0	88.6	86.6	84.4	82.6	81.4	79.8	78.5	77.1	75.8	74.9	73.6	72.6	71.6	70.7	70.1	69.4	68.7	67.8	67.4	66.9
SMR: female	100.8	108.1	110.8	101.7	100.1	97.9	97.3	94.5	92.2	90.4	88.9	87.1	85.2	83.8	82.2	80.9	79.4	78.3	77.1	75.8	75.0	74.0	73.2	71.9	71.1	70.4	69.6
SMR: persons	98.8	105.7	108.3	100.1	97.7	94.9	94.1	91.5	89.4	87.4	85.7	84.2	82.4	81.1	79.5	78.3	77.0	75.9	74.7	73.6	72.8	72.0	71.2	70.3	69.4	68.9	68.2
Expectation	79.5	78.8	78.4	79.2	79.6	80.0	80.1	80.5	80.7	81.1	81.3	81.5	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.3	83.4	83.6	83.7	83.9	84.0	84.2
Expectation	83.2	82.6	82.2	83.1	83.3	83.6	83.6	83.9	84.1	84.4	84.5	84.8	85.0	85.2	85.4	85.5	85.8	85.9	86.1	86.3	86.4	86.5	86.6	86.8	86.9	87.1	87.2
Expectation	81.5	80.9	80.4	81.3	81.5	81.8	81.9	82.3	82.5	82.7	83.0	83.2	83.4	83.6	83.9	84.0	84.2	84.4	84.6	84.8	84.9	85.0	85.2	85.3	85.5	85.6	85.7
Deaths input																											
In-migration from the UK																											
Male	1,604	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	1,764	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	3,368	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	0.0	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	0.1
Migrants input																											
Out-migration to the UK																											
Male	1,578	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	1,759	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	3,337	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	35.1	38.2	35.9	36.2	36.0	35.8	35.9	35.8	35.7	35.6	35.6	35.4	35.5	35.5	35.5	35.5	35.6	35.5	35.5	35.5	35.4	35.4	35.4	35.5	35.5	35.5	35.5
SMigR: females	39.1	42.3	39.2	38.9	38.7	38.8	38.4	38.6	38.6	38.4	38.2	38.3	38.4	38.6	38.4	38.5	38.6	38.6	38.5	38.5	38.5	38.5	38.6	38.7	38.7	38.7	38.8
Migrants input																											
In-migration from Overseas																											
Male	341	331	379	499	69	72	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Female	427	396	332	440	53	55	54	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
All	768	727	711	939	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	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	0.0
Migrants input																											
Out-migration to Overseas																											
Male	275	372	302	329	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Female	282	303	257	354	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
All	557	676	559	684	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	111.3	151.0	123.8	135.9	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7
SMigR: females	148.7	160.9	136.7	189.0	23.4	23.5	23.7	23.9	24.0	24.2	24.4	24.7	24.9	25.0	25.2	25.3	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8
Migrants input																											
Migration - Net Flows																											
UK	+31	+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	+211	+51	+152	+255	+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	-20	-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	+242	+180	+367	+474	+261	+296	+324	+337	+360	+388	+412	+425	+423	+422	+440	+448	+445	+461	+469	+479	+496	+506	+515	+523	+528	+538	+545
Net change	+222	+28	+178	+348	+128	+153	+152	+166	+177	+190	+194	+187	+169	+147	+144	+130	+103	+97	+82	+72	+67	+54	+43	+36	+26	+19	+13
Crude Birth I	9.19	8.81	8.93	8.90	8.82	8.69	8.60	8.61	8.54	8.47	8.38	8.31	8.26	8.18	8.10	8.03	7.96	7.90	7.84	7.79	7.74	7.71	7.70	7.69	7.70	7.72	7.75
Crude Death	9.39	10.38	10.87	10.19	10.18	10.14	10.36	10.35	10.40	10.47	10.58	10.72	10.82	10.95	11.07	11.23	11.39	11.55	11.71	11.86	12.04	12.22	12.41	12.55	12.70	12.89	13.04
Crude Net M	2.49	1.85	3.77	4.86	2.67	3.02	3.30	3.43	3.65	3.93	4.17	4.30	4.26	4.25	4.42	4.50	4.46	4.62	4.69	4.79	4.96	5.05	5.14	5.22	5.27	5.36	5.43

Summary of Population estimates/forecasts

Population at mid-year

	2010	*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	4,600	4,709	4,739	4,688	4,573	4,487	4,430	4,462	4,488	4,540	4,520	4,501	4,482	4,456	4,428	4,400	4,371	4,342	4,313	4,285	4,259	4,236	4,216	4,201	4,191	4,187	4,188	4,196
5-10	5,858	5,789	5,785	5,889	6,026	6,127	6,164	6,164	6,138	6,043	6,013	5,933	5,880	5,907	5,930	5,972	5,950	5,928	5,905	5,874	5,840	5,806	5,772	5,738	5,706	5,675	5,647	5,624
11-15	5,623	5,524	5,382	5,300	5,266	5,194	5,198	5,167	5,196	5,290	5,350	5,424	5,515	5,491	5,431	5,348	5,284	5,240	5,262	5,289	5,333	5,320	5,305	5,287	5,263	5,235	5,206	5,178
16-17	2,380	2,373	2,406	2,371	2,302	2,234	2,227	2,161	2,121	2,077	2,093	2,163	2,150	2,144	2,217	2,255	2,294	2,309	2,220	2,151	2,126	2,156	2,200	2,193	2,194	2,194	2,187	2,176
18-59Female	54,561	54,281	53,653	53,352	53,234	52,972	52,646	52,350	51,990	51,735	51,451	51,055	50,787	50,497	50,081	49,721	49,383	49,013	48,640	48,226	47,916	47,533	47,173	46,979	46,807	46,640	46,534	46,483
60/65 -74	15,120	15,396	15,911	16,240	16,544	16,762	16,963	17,106	17,232	17,146	17,122	17,191	16,837	16,625	16,658	16,685	16,883	17,083	17,364	17,686	17,907	18,116	18,346	18,369	18,380	18,403	18,274	18,042
75-84	6,461	6,602	6,775	6,995	7,161	7,353	7,510	7,745	8,059	8,429	8,755	9,053	9,681	10,167	10,507	10,839	11,012	11,143	11,208	11,179	11,110	11,122	10,841	10,728	10,713	10,686	10,857	11,058
85+	2,384	2,535	2,586	2,580	2,657	2,762	2,906	3,041	3,139	3,279	3,426	3,603	3,780	3,992	4,172	4,351	4,523	4,743	4,987	5,290	5,561	5,829	6,319	6,721	6,998	7,259	7,404	7,554
Total	96,987	97,209	97,237	97,415	97,763	97,891	98,045	98,196	98,362	98,539	98,729	98,924	99,110	99,279	99,426	99,570	99,699	99,802	99,899	99,981	100,053	100,119	100,173	100,216	100,252	100,278	100,297	100,310
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
65+ / 16-65	0.33	0.34	0.36	0.37	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	0.55	0.57	0.58	0.59	0.61	0.62	0.63	0.64	0.65
0-15 and 65	0.59	0.60	0.63	0.64	0.66	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.84	0.85	0.87	0.88	0.89	0.91	0.92	0.93	0.94
Median age	44.3	44.7	45.3	45.7	46.0	46.4	46.8	47.2	47.6	47.9	48.2	48.5	48.7	48.8	49.0	49.0	49.0	49.0	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2
Median age	46.0	46.5	46.9	47.2	47.5	48.0	48.4	48.9	49.3	49.7	50.0	50.4	50.8	51.1	51.3	51.5	51.7	51.9	52.0	52.1	52.1	52.2	52.3	52.4	52.4	52.5	52.6	52.7
Sex ratio ma	96.8	96.9	96.8	97.0	97.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
Population impact of constraint																												
Number of persons		+151	+28	+131	+234																							
Households																												
Number of Households			41,968	42,096	42,337	42,535	42,746	42,921	43,102	43,294	43,497	43,698	43,896	44,080	44,260	44,439	44,624	44,807	44,955	45,108	45,257	45,382	45,495	45,588	45,669	45,749	45,827	45,878
Change in Households over previous year				+128	+241	+198	+210	+176	+181	+192	+202	+202	+197	+184	+180	+179	+185	+183	+148	+154	+149	+125	+112	+93	+82	+79	+79	+51
Number of supply units			43,725	43,859	44,110	44,317	44,536	44,719	44,907	45,108	45,318	45,528	45,734	45,926	46,114	46,300	46,493	46,684	46,838	46,998	47,153	47,283	47,400	47,497	47,582	47,665	47,747	47,800
Change in over previous year				+134	+251	+207	+219	+183	+188	+200	+211	+210	+206	+192	+187	+187	+193	+190	+154	+160	+155	+130	+117	+97	+85	+83	+82	+53
Labour Force																												
Number of L	50,469	50,340	49,032	48,872	48,924	48,811	48,674	48,464	48,236	48,177	48,116	47,823	47,499	47,099	46,660	46,448	46,186	45,903	45,642	45,373	45,186	44,973	44,751	44,568	44,387	44,247	44,120	44,024
Change in Labour Force		-129	-1,308	-160	+52	-113	-137	-210	-228	-58	-61	-293	-324	-400	-439	-212	-262	-284	-261	-269	-187	-213	-223	-183	-181	-139	-127	-96
Number of s	37,178	36,965	36,764	36,997	37,542	37,456	37,389	37,266	37,129	37,122	37,113	36,888	36,638	36,329	35,991	35,827	35,625	35,406	35,205	34,998	34,853	34,689	34,518	34,376	34,237	34,129	34,031	33,957
Change in over previous		-214	-201	+233	+545	-86	-67	-123	-137	-7	-9	-226	-250	-309	-339	-164	-202	-219	-201	-208	-144	-164	-172	-141	-140	-108	-98	-74

Population Estimates and Forecasts

Scenario Ac: Staffordshire Moorlands Baseline MYE + PCU

Components of Population Change

Year beginning July 1st .....

	2010-11	*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	457	439	445	445	442	436	432	433	431	428	424	422	419	416	413	410	407	404	401	399	397	396	395	395	396	398	
Female	435	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	892	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	1.84	1.78	1.83	1.84	1.83	1.81	1.79	1.80	1.79	1.78	1.77	1.77	1.77	1.77	1.76	1.76	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.78	1.78	1.78	1.78
Births input																											
Deaths																											
Male	434	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	478	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	912	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	96.7	103.1	105.8	98.4	95.3	91.8	91.0	88.6	86.6	84.4	82.6	81.4	79.8	78.5	77.1	75.8	74.9	73.6	72.6	71.6	70.7	70.1	69.4	68.7	67.8	67.4	66.9
SMR: female	100.8	108.1	110.8	101.7	100.1	97.9	97.3	94.5	92.2	90.4	88.9	87.1	85.2	83.8	82.2	80.9	79.4	78.3	77.1	75.8	75.0	74.0	73.2	71.9	71.1	70.4	69.6
SMR: persons	98.8	105.7	108.3	100.1	97.7	94.9	94.1	91.5	89.4	87.4	85.7	84.2	82.4	81.1	79.5	78.3	77.0	75.9	74.7	73.6	72.8	72.0	71.2	70.3	69.4	68.9	68.2
Expectation	79.5	78.8	78.4	79.2	79.6	80.0	80.1	80.5	80.7	81.1	81.3	81.5	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.3	83.4	83.6	83.7	83.9	84.0	84.2
Expectation	83.2	82.6	82.2	83.1	83.3	83.6	83.6	83.9	84.1	84.4	84.5	84.8	85.0	85.2	85.4	85.5	85.8	85.9	86.1	86.3	86.4	86.5	86.6	86.8	86.9	87.1	87.2
Expectation	81.5	80.9	80.4	81.3	81.5	81.8	81.9	82.3	82.5	82.7	83.0	83.2	83.4	83.6	83.9	84.0	84.2	84.4	84.6	84.8	84.9	85.0	85.2	85.3	85.5	85.6	85.7
Deaths input																											
In-migration from the UK																											
Male	1,604	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	1,764	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	3,368	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	0.0	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	0.1
Migrants input																											
Out-migration to the UK																											
Male	1,578	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	1,759	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	3,337	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	35.1	38.2	35.9	36.2	36.0	35.8	35.9	35.8	35.7	35.6	35.6	35.4	35.5	35.5	35.5	35.5	35.6	35.5	35.5	35.5	35.4	35.4	35.4	35.5	35.5	35.5	35.5
SMigR: females	39.1	42.3	39.2	38.9	38.7	38.8	38.4	38.6	38.6	38.4	38.2	38.3	38.4	38.6	38.4	38.5	38.6	38.6	38.5	38.5	38.5	38.5	38.6	38.7	38.7	38.7	38.8
Migrants input																											
In-migration from Overseas																											
Male	341	331	379	499	69	72	70	70	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
Female	427	396	332	440	53	55	54	54	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
All	768	727	711	939	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	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	0.0
Migrants input																											
Out-migration to Overseas																											
Male	275	372	302	329	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Female	282	303	257	354	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
All	557	676	559	684	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	111.3	151.0	123.8	135.9	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7
SMigR: females	148.7	160.9	136.7	189.0	23.4	23.5	23.7	23.9	24.0	24.2	24.4	24.7	24.9	25.0	25.2	25.3	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8
Migrants input																											
Migration - Net Flows																											
UK	+31	+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	+211	+51	+152	+255	+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	-20	-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	+242	+180	+367	+474	+261	+296	+324	+337	+360	+388	+412	+425	+423	+422	+440	+448	+445	+461	+469	+479	+496	+506	+515	+523	+528	+538	+545
Net change	+222	+28	+178	+348	+128	+153	+152	+166	+177	+190	+194	+187	+169	+147	+144	+130	+103	+97	+82	+72	+67	+54	+43	+36	+26	+19	+13
Crude Birth I	9.19	8.81	8.93	8.90	8.82	8.69	8.60	8.61	8.54	8.47	8.38	8.31	8.26	8.18	8.10	8.03	7.96	7.90	7.84	7.79	7.74	7.71	7.70	7.69	7.70	7.72	7.75
Crude Death	9.39	10.38	10.87	10.19	10.18	10.14	10.36	10.35	10.40	10.47	10.58	10.72	10.82	10.95	11.07	11.23	11.39	11.55	11.71	11.86	12.04	12.22	12.41	12.55	12.70	12.89	13.04
Crude Net M	2.49	1.85	3.77	4.86	2.67	3.02	3.30	3.43	3.65	3.93	4.17	4.30	4.26	4.25	4.42	4.50	4.46	4.62	4.69	4.79	4.96	5.05	5.14	5.22	5.27	5.36	5.43

Summary of Population estimates/forecasts

Population at mid-year

	2010	*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	4,600	4,709	4,739	4,688	4,573	4,487	4,430	4,462	4,488	4,540	4,520	4,501	4,482	4,456	4,428	4,400	4,371	4,342	4,313	4,285	4,259	4,236	4,216	4,201	4,191	4,187	4,188	4,196
5-10	5,858	5,789	5,785	5,889	6,026	6,127	6,164	6,164	6,138	6,043	6,013	5,933	5,880	5,907	5,930	5,972	5,950	5,928	5,905	5,874	5,840	5,806	5,772	5,738	5,706	5,675	5,647	5,624
11-15	5,623	5,524	5,382	5,300	5,266	5,194	5,198	5,167	5,196	5,290	5,350	5,424	5,515	5,491	5,431	5,348	5,284	5,240	5,262	5,289	5,333	5,320	5,305	5,287	5,263	5,235	5,206	5,178
16-17	2,380	2,373	2,406	2,371	2,302	2,234	2,227	2,161	2,121	2,077	2,093	2,163	2,150	2,144	2,217	2,255	2,294	2,309	2,220	2,151	2,126	2,156	2,200	2,193	2,194	2,194	2,187	2,176
18-59Female	54,561	54,281	53,653	53,352	53,234	52,972	52,646	52,350	51,990	51,735	51,451	51,055	50,787	50,497	50,081	49,721	49,383	49,013	48,640	48,226	47,916	47,533	47,173	46,979	46,807	46,640	46,534	46,483
60/65 -74	15,120	15,396	15,911	16,240	16,544	16,762	16,963	17,106	17,232	17,146	17,122	17,191	16,837	16,625	16,658	16,685	16,883	17,083	17,364	17,686	17,907	18,116	18,346	18,369	18,380	18,403	18,274	18,042
75-84	6,461	6,602	6,775	6,995	7,161	7,353	7,510	7,745	8,059	8,429	8,755	9,053	9,681	10,167	10,507	10,839	11,012	11,143	11,208	11,179	11,110	11,122	10,841	10,728	10,713	10,686	10,857	11,058
85+	2,384	2,535	2,586	2,580	2,657	2,762	2,906	3,041	3,139	3,279	3,426	3,603	3,780	3,992	4,172	4,351	4,523	4,743	4,987	5,290	5,561	5,829	6,319	6,721	6,998	7,259	7,404	7,554
Total	96,987	97,209	97,237	97,415	97,763	97,891	98,045	98,196	98,362	98,539	98,729	98,924	99,110	99,279	99,426	99,570	99,699	99,802	99,899	99,981	100,053	100,119	100,173	100,216	100,252	100,278	100,297	100,310
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
65+ / 16-65	0.33	0.34	0.36	0.37	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	0.55	0.57	0.58	0.59	0.61	0.62	0.63	0.64	0.65
0-15 and 65	0.59	0.60	0.63	0.64	0.66	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.84	0.85	0.87	0.88	0.89	0.91	0.92	0.93	0.94
Median age	44.3	44.7	45.3	45.7	46.0	46.4	46.8	47.2	47.6	47.9	48.2	48.5	48.7	48.8	49.0	49.0	49.0	49.0	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2
Median age	46.0	46.5	46.9	47.2	47.5	48.0	48.4	48.9	49.3	49.7	50.0	50.4	50.8	51.1	51.3	51.5	51.7	51.9	52.0	52.1	52.1	52.2	52.3	52.4	52.4	52.5	52.6	52.7
Sex ratio ma	96.8	96.9	96.8	97.0	97.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2
Population impact of constraint																												
Number of persons		+151	+28	+131	+234																							
Households																												
Number of Households			41,968	42,089	42,325	42,523	42,733	42,910	43,127	43,351	43,581	43,815	44,041	44,254	44,461	44,662	44,863	45,063	45,227	45,397	45,557	45,700	45,827	45,939	46,041	46,142	46,242	46,325
Change in Households over previous year				+121	+236	+198	+210	+176	+218	+224	+230	+234	+226	+213	+207	+201	+201	+200	+164	+170	+161	+143	+127	+112	+102	+101	+100	+82
Number of supply units			43,725	43,852	44,098	44,304	44,523	44,707	44,934	45,167	45,406	45,650	45,886	46,107	46,323	46,532	46,742	46,950	47,121	47,298	47,465	47,614	47,746	47,863	47,969	48,075	48,179	48,265
Change in over previous year				+127	+246	+206	+219	+184	+227	+233	+239	+243	+236	+222	+216	+209	+209	+208	+171	+177	+167	+149	+132	+117	+106	+106	+104	+86
Labour Force																												
Number of L	50,469	50,340	49,032	48,872	48,924	48,811	48,674	48,464	48,236	48,177	48,116	47,823	47,499	47,099	46,660	46,448	46,186	45,903	45,642	45,373	45,186	44,973	44,751	44,568	44,387	44,247	44,120	44,024
Change in Labour Force		-129	-1,308	-160	+52	-113	-137	-210	-228	-58	-61	-293	-324	-400	-439	-212	-262	-284	-261	-269	-187	-213	-223	-183	-181	-139	-127	-96
Number of s	37,178	36,965	36,764	36,997	37,542	37,456	37,389	37,266	37,129	37,122	37,113	36,888	36,638	36,329	35,991	35,827	35,625	35,406	35,205	34,998	34,853	34,689	34,518	34,376	34,237	34,129	34,031	33,957
Change in over previous		-214	-201	+233	+545	-86	-67	-123	-137	-7	-9	-226	-250	-309	-339	-164	-202	-219	-201	-208	-144	-164	-172	-141	-140	-108	-98	-74

Population Estimates and Forecasts

Scenario B: Staffordshire Moorlands Natural Change

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	439	440	438	435	434	438	441	443	445	447	450	452	454	456	457	457	456	453	451	449	445	440	437	433	428
Female	435	418	418	419	418	414	413	418	420	422	424	426	428	431	432	434	436	435	434	432	430	427	424	419	416	412	408
All Births	892	857	858	859	856	849	847	856	861	865	868	873	878	883	887	890	893	892	889	885	881	876	868	860	852	845	836
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	480	479	474	484	487	491	494	500	509	517	524	532	540	550	557	565	573	581	590	599	606	610	617	622
Female	478	532	552	503	497	494	501	495	494	497	502	507	509	515	520	527	534	541	550	556	565	574	582	588	596	605	612
All deaths	912	1,009	1,058	983	976	968	985	982	985	991	1,002	1,016	1,026	1,039	1,052	1,067	1,083	1,099	1,115	1,129	1,146	1,164	1,181	1,193	1,206	1,222	1,234
SMR: males	96.7	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	100.8	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	98.8	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	77.5	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	79.5	78.8	78.5	79.4	79.7	80.0	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	83.7	83.8	84.0	84.2	84.3	84.5
Expectation of life: females	83.2	82.6	82.4	83.3	83.6	83.9	83.9	84.2	84.4	84.6	84.7	85.0	85.2	85.4	85.6	85.7	85.9	86.1	86.3	86.5	86.6	86.7	86.9	87.0	87.2	87.3	87.4
Expectation of life: persons	81.5	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.1	85.3	85.4	85.6	85.8	85.9	86.0
Deaths input	*	*																									
In-migration from the UK																											
Male	1,670	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	1,698	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	3,368	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	0.0	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	0.0	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	1,666	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	1,671	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	3,337	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	37.1	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	37.1	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	478	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	510	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	988	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	389	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	388	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	777	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	157.4	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	204.6	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	+31	+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	+211	+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	-20	-152	-201	-124	-120	-119	-138	-126	-124	-126	-134	-143	-147	-157	-165	-177	-190	-206	-225	-244	-265	-288	-312	-334	-354	-378	-398
Net migration	+242	+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	+222	+28	-201	-124	-120	-119	-138	-126	-124	-126	-134	-143	-147	-157	-165	-177	-190	-206	-225	-244	-265	-288	-312	-334	-354	-378	-398
Crude Birth Rate /000	9.19	8.81	8.83	8.86	8.84	8.78	8.77	8.87	8.93	8.99	9.04	9.10	9.17	9.23	9.28	9.34	9.38	9.40	9.39	9.37	9.35	9.32	9.27	9.21	9.17	9.12	9.06
Crude Death Rate /000	9.39	10.38	10.89	10.14	10.08	10.00	10.20	10.18	10.23	10.30	10.43	10.59	10.71	10.87	11.01	11.19	11.39	11.57	11.77	11.95	12.16	12.39	12.61	12.79	12.97	13.19	13.38
Crude Net Migration Rate /000	2.49	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

	2010	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	4,600	4,709	4,739	4,613	4,507	4,372	4,267	4,250	4,249	4,251	4,260	4,280	4,306	4,328	4,350	4,372	4,394	4,414	4,429	4,436	4,435	4,426	4,409	4,385	4,356	4,323	4,287	4,248
5-10	5,858	5,789	5,785	5,781	5,791	5,798	5,752	5,679	5,587	5,464	5,355	5,213	5,106	5,098	5,102	5,108	5,121	5,145	5,177	5,204	5,230	5,255	5,280	5,300	5,312	5,315	5,310	5,296
11-15	5,623	5,524	5,382	5,223	5,097	4,975	4,918	4,839	4,801	4,829	4,811	4,801	4,818	4,733	4,608	4,502	4,367	4,262	4,245	4,244	4,246	4,256	4,276	4,302	4,324	4,346	4,368	4,390
16-17	2,380	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	1,712	1,706	1,705	1,695	1,687	1,694	1,708	1,717	1,724
18-59Female, 64Male	54,561	54,281	53,653	53,268	52,934	52,656	52,309	51,992	51,587	51,264	50,872	50,352	49,946	49,508	48,930	48,362	47,833	47,271	46,681	46,010	45,439	44,808	44,173	43,703	43,255	42,755	42,363	42,018
60/65 -74	15,120	15,396	15,911	16,261	16,558	16,733	16,908	17,006	17,067	16,907	16,810	16,813	16,379	16,103	16,059	16,023	16,139	16,267	16,465	16,728	16,867	16,965	17,146	17,058	17,007	16,976	16,775	16,479
75-84	6,461	6,602	6,775	7,016	7,207	7,424	7,595	7,828	8,167	8,548	8,892	9,193	9,843	10,341	10,690	11,011	11,161	11,261	11,287	11,218	11,096	11,068	10,713	10,543	10,442	10,339	10,445	10,599
85+	2,384	2,535	2,586	2,550	2,601	2,658	2,771	2,878	2,958	3,091	3,231	3,399	3,555	3,746	3,916	4,097	4,274	4,489	4,747	5,062	5,350	5,621	6,124	6,527	6,801	7,054	7,175	7,287
Total	96,987	97,209	97,237	97,036	96,912	96,792	96,673	96,535	96,410	96,285	96,159	96,025	95,882	95,734	95,577	95,412	95,236	95,045	94,839	94,614	94,370	94,105	93,817	93,504	93,170	92,816	92,439	92,041
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	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	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.30	0.30
65+ / 16-65	0.33	0.34	0.36	0.38	0.39	0.40	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.55	0.57	0.58	0.60	0.61	0.63	0.65	0.66	0.67	0.68
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.64	0.65	0.67	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.75	0.76	0.77	0.78	0.80	0.81	0.84	0.86	0.88	0.90	0.92	0.94	0.95	0.97	0.98
Median age males	44.3	44.7	45.3	45.7	46.1	46.5	46.9	47.3	47.8	48.1	48.5	48.8	49.0	49.2	49.3	49.3	49.2	49.1	48.9	48.8	48.7	48.5	48.3	48.2	48.0	47.9	47.9	47.9
Median age females	46.0	46.5	46.9	47.3	47.7	48.1	48.5	49.0	49.4	49.9	50.2	50.6	51.0	51.3	51.6	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.1	52.0	51.9	51.7	51.6	51.4
Sex ratio males /100 females	96.8	96.9	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
Population impact of constraint																												
Number of persons		+151	+28																									
Households																												
Number of Households			41,968	41,923	41,969	42,027	42,111	42,144	42,174	42,248	42,344	42,433	42,484	42,531	42,600	42,656	42,712	42,749	42,730	42,734	42,747	42,709	42,628	42,538	42,424	42,303	42,170	41,995
Change in Households over previous year				-45	+46	+58	+85	+33	+30	+73	+96	+89	+51	+47	+68	+56	+57	+36	-19	+4	+13	-39	-81	-90	-114	-120	-134	-175
Number of supply units			43,725	43,679	43,727	43,787	43,875	43,909	43,941	44,017	44,118	44,211	44,263	44,313	44,384	44,442	44,501	44,539	44,520	44,524	44,538	44,497	44,413	44,319	44,201	44,075	43,936	43,754
Change in over previous year				-47	+48	+60	+88	+34	+31	+77	+100	+93	+53	+49	+71	+59	+59	+38	-20	+4	+14	-40	-84	-94	-119	-125	-139	-182
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,669	48,483	48,341	48,187	47,911	47,608	47,467	47,287	46,865	46,393	45,833	45,239	44,869	44,432	43,952	43,504	43,025	42,616	42,179	41,698	41,277	40,862	40,479	40,123	39,787
Change in Labour Force over previous year		-129	-1,308	-363	-186	-142	-153	-276	-303	-141	-180	-422	-472	-560	-594	-370	-438	-479	-448	-479	-410	-436	-482	-421	-415	-383	-356	-336
Number of supply units	37,178	36,965	36,764	36,844	37,204	37,095	37,015	36,841	36,646	36,575	36,474	36,149	35,785	35,353	34,895	34,609	34,272	33,902	33,556	33,187	32,871	32,534	32,163	31,838	31,518	31,223	30,948	30,689
Change in over previous year		-214	-201	+80	+360	-109	-80	-174	-195	-71	-101	-325	-364	-432	-458	-285	-338	-370	-346	-369	-316	-336	-372	-325	-320	-296	-274	-259

Population Estimates and Forecasts

Scenario C: Staffordshire Moorlands Zero Net Migration

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	443	451	455	457	461	469	474	477	478	479	480	480	479	478	476	474	472	470	468	466	465	465	466	467	467
Female	435	418	422	429	434	436	439	447	451	454	455	456	458	457	456	455	453	451	449	447	445	444	443	443	443	444	445
All Births	892	857	864	880	889	893	900	917	925	931	933	936	938	938	935	932	929	925	921	917	913	911	909	908	909	911	913
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	478	475	468	476	476	479	480	483	490	495	500	505	510	518	522	528	533	537	544	549	554	556	560	563
Female	478	532	552	500	491	485	490	482	479	480	482	485	485	488	490	495	499	504	509	513	518	524	529	531	537	542	546
All deaths	912	1,009	1,058	978	966	953	966	959	958	959	966	975	980	988	996	1,006	1,016	1,026	1,036	1,045	1,056	1,067	1,078	1,085	1,092	1,102	1,109
SMR: males	96.7	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	100.8	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	98.8	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	77.5	76.4	75.2	74.1	73.1	72.2	71.4	70.7	69.8	68.9	68.4	67.8
Expectation of life: males	79.5	78.8	78.5	79.4	79.7	80.0	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	83.2	82.6	82.4	83.3	83.6	83.9	83.9	84.2	84.4	84.5	84.7	85.0	85.2	85.3	85.6	85.7	85.9	86.1	86.3	86.5	86.6	86.7	86.8	87.0	87.1	87.3	87.4
Expectation of life: persons	81.5	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.1	85.2	85.4	85.6	85.7	85.8	86.0
Deaths input	*	*																									
In-migration from the UK																											
Male	1,670	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	1,698	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	3,368	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	0.0	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	0.0	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	1,666	1,803	1,719	1,719	1,716	1,713	1,710	1,712	1,710	1,708	1,707	1,704	1,705	1,705	1,703	1,704	1,710	1,712	1,717	1,721	1,721	1,725	1,728	1,733	1,736	1,740	1,744
Female	1,671	1,805	1,734	1,738	1,738	1,736	1,728	1,727	1,723	1,715	1,708	1,705	1,705	1,707	1,705	1,708	1,714	1,717	1,721	1,725	1,727	1,731	1,736	1,741	1,745	1,749	1,754
All	3,337	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	37.1	40.2	38.8	38.5	38.1	37.9	37.6	37.6	37.5	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.8	37.8	37.9	38.0	38.0	38.1	38.2	38.3	38.4	38.5	38.6
SMigR: females	37.1	40.2	38.8	38.5	38.1	37.9	37.6	37.6	37.5	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.8	37.8	37.9	38.0	38.0	38.1	38.2	38.3	38.4	38.5	38.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	478	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	510	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	988	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	389	505	63	63	63	64	63	63	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
Female	388	399	48	49	49	50	49	49	49	49	49	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
All	777	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	157.4	204.8	25.7	25.6	25.4	25.8	25.2	25.3	24.9	24.8	24.8	24.9	25.0	25.1	25.2	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6
SMigR: females	204.6	211.5	25.7	25.6	25.4	25.8	25.2	25.3	24.9	24.8	24.8	24.9	25.0	25.1	25.2	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+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	+211	+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	-20	-152	-194	-98	-77	-60	-66	-42	-33	-29	-33	-39	-42	-51	-60	-73	-87	-101	-115	-128	-143	-157	-169	-177	-183	-191	-196
Net migration	+242	+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	+222	+28	-194	-98	-77	-60	-66	-42	-33	-29	-33	-39	-42	-51	-60	-73	-87	-101	-115	-128	-143	-157	-169	-177	-183	-191	-196
Crude Birth Rate /000	9.19	8.81	8.90	9.07	9.18	9.22	9.30	9.48	9.57	9.63	9.66	9.69	9.72	9.72	9.70	9.67	9.65	9.62	9.59	9.55	9.53	9.52	9.51	9.52	9.55	9.59	9.63
Crude Death Rate /000	9.39	10.38	10.89	10.08	9.97	9.85	9.98	9.91	9.91	9.93	10.00	10.09	10.15	10.24	10.32	10.43	10.55	10.67	10.78	10.89	11.02	11.15	11.29	11.38	11.48	11.60	11.69
Crude Net Migration Rate /000	2.49	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

	2010	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	4,600	4,709	4,739	4,652	4,601	4,537	4,504	4,540	4,589	4,631	4,668	4,701	4,729	4,745	4,752	4,751	4,745	4,734	4,718	4,699	4,678	4,656	4,636	4,617	4,603	4,594	4,591	4,592
5-10	5,858	5,789	5,785	5,781	5,803	5,829	5,818	5,800	5,771	5,723	5,698	5,654	5,633	5,670	5,717	5,752	5,778	5,801	5,817	5,821	5,815	5,803	5,785	5,763	5,737	5,709	5,680	5,653
11-15	5,623	5,524	5,382	5,207	5,070	4,942	4,882	4,818	4,804	4,856	4,870	4,894	4,941	4,926	4,873	4,846	4,805	4,779	4,797	4,832	4,857	4,876	4,892	4,902	4,902	4,895	4,883	4,867
16-17	2,380	2,373	2,406	2,315	2,204	2,160	2,130	2,040	1,968	1,912	1,915	1,958	1,937	1,919	1,970	1,993	2,002	2,012	1,962	1,916	1,920	1,937	1,945	1,950	1,961	1,971	1,974	1,973
18-59Female, 64Male	54,561	54,281	53,653	53,392	53,164	52,978	52,723	52,496	52,162	51,908	51,587	51,159	50,832	50,479	50,032	49,609	49,233	48,839	48,435	47,997	47,677	47,317	46,982	46,784	46,609	46,446	46,344	46,284
60/65 -74	15,120	15,396	15,911	16,179	16,394	16,490	16,588	16,612	16,601	16,389	16,240	16,186	15,731	15,436	15,356	15,290	15,362	15,449	15,588	15,775	15,872	15,929	16,037	15,936	15,853	15,769	15,561	15,275
75-84	6,461	6,602	6,775	6,983	7,142	7,324	7,459	7,654	7,947	8,280	8,573	8,824	9,402	9,828	10,110	10,361	10,464	10,515	10,500	10,403	10,267	10,209	9,875	9,707	9,610	9,524	9,606	9,732
85+	2,384	2,535	2,586	2,532	2,566	2,608	2,703	2,792	2,857	2,969	3,087	3,230	3,362	3,523	3,665	3,813	3,951	4,124	4,336	4,595	4,826	5,040	5,460	5,781	5,989	6,172	6,250	6,317
Total	96,987	97,209	97,237	97,043	96,945	96,868	96,808	96,742	96,700	96,667	96,638	96,606	96,567	96,525	96,474	96,414	96,341	96,254	96,153	96,038	95,910	95,767	95,610	95,441	95,264	95,081	94,889	94,693
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30
65+ / 16-65	0.33	0.34	0.36	0.37	0.39	0.40	0.40	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	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	0.84	0.85	0.85	0.86	0.86
Median age males	44.3	44.7	45.3	45.5	45.8	46.0	46.3	46.5	46.7	46.8	46.9	46.8	46.7	46.5	46.3	46.1	45.9	45.8	45.7	45.5	45.4	45.4	45.3	45.3	45.3	45.3	45.3	45.3
Median age females	46.0	46.5	46.9	47.1	47.4	47.6	47.9	48.2	48.5	48.7	48.9	49.1	49.2	49.2	49.2	49.2	49.1	49.0	48.9	48.8	48.7	48.6	48.5	48.4	48.3	48.2	48.1	48.1
Sex ratio males /100 females	96.8	96.9	96.8	96.9	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6	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			41,968	41,824	41,790	41,785	41,816	41,814	41,823	41,866	41,924	41,979	42,014	42,045	42,080	42,109	42,138	42,159	42,148	42,146	42,132	42,094	42,041	41,974	41,901	41,824	41,748	41,654
Change in Households over previous year				-144	-34	-5	+31	-2	+9	+43	+58	+56	+35	+32	+34	+29	+29	+21	-11	-3	-13	-38	-53	-67	-73	-77	-76	-95
Number of supply units			43,725	43,576	43,540	43,535	43,568	43,565	43,575	43,620	43,680	43,737	43,774	43,807	43,842	43,872	43,903	43,925	43,913	43,911	43,897	43,858	43,802	43,732	43,656	43,576	43,497	43,398
Change in over previous year				-150	-36	-5	+33	-3	+10	+44	+60	+58	+36	+33	+36	+30	+30	+22	-11	-3	-14	-39	-56	-70	-76	-80	-79	-99
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,760	48,659	48,579	48,483	48,264	48,024	47,935	47,811	47,462	47,066	46,601	46,101	45,815	45,501	45,174	44,881	44,577	44,335	44,089	43,839	43,639	43,452	43,295	43,161	43,049
Change in Labour Force over previous year		-129	-1,308	-272	-100	-80	-97	-218	-240	-90	-124	-349	-396	-465	-501	-286	-314	-327	-294	-304	-242	-246	-250	-200	-187	-156	-135	-112
Number of supply units	37,178	36,965	36,764	36,913	37,339	37,278	37,242	37,113	36,966	36,935	36,878	36,609	36,303	35,945	35,559	35,338	35,096	34,844	34,618	34,384	34,197	34,007	33,815	33,660	33,516	33,395	33,291	33,205
Change in over previous year		-214	-201	+149	+427	-61	-36	-129	-146	-31	-57	-269	-306	-358	-386	-221	-242	-252	-227	-234	-187	-190	-193	-155	-144	-120	-104	-86

Population Estimates and Forecasts

Scenario D: Staffordshire Moorlands Short Term Migration

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	444	454	461	465	471	481	488	493	496	499	502	504	504	504	504	503	503	501	501	501	501	502	503	506	508
Female	435	418	423	432	439	443	448	459	465	470	473	476	478	480	480	480	480	479	479	478	477	477	477	478	480	482	484
All Births	892	857	866	886	900	908	919	940	953	963	969	975	981	984	984	984	984	983	981	979	978	977	978	980	983	987	992
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	479	476	469	478	479	481	483	487	495	500	506	511	517	525	530	536	542	548	555	562	567	570	576	579
Female	478	532	552	501	492	487	492	485	482	483	487	490	490	494	497	503	507	513	519	523	530	536	542	546	552	558	563
All deaths	912	1,009	1,058	979	968	956	970	964	964	967	974	984	990	1,000	1,009	1,020	1,032	1,043	1,055	1,066	1,078	1,091	1,104	1,113	1,122	1,134	1,143
SMR: males	96.7	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	100.8	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	98.8	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	77.5	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	79.5	78.8	78.5	79.4	79.7	80.0	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	83.2	82.6	82.4	83.3	83.6	83.9	83.9	84.2	84.4	84.6	84.7	85.0	85.2	85.3	85.6	85.7	85.9	86.1	86.3	86.5	86.6	86.7	86.8	87.0	87.1	87.3	87.4
Expectation of life: persons	81.5	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.1	85.2	85.4	85.6	85.7	85.8	86.0
Deaths input	*	*																									
In-migration from the UK																											
Male	1,670	1,854	1,750	1,753	1,756	1,759	1,761	1,764	1,766	1,768	1,770	1,771	1,772	1,772	1,772	1,771	1,771	1,770	1,770	1,770	1,769	1,769	1,769	1,769	1,769	1,770	1,770
Female	1,698	1,883	1,772	1,769	1,766	1,763	1,761	1,758	1,756	1,754	1,752	1,751	1,750	1,750	1,750	1,751	1,751	1,752	1,752	1,752	1,753	1,753	1,753	1,753	1,753	1,752	1,752
All	3,368	3,737	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522	3,522
SMigR: males	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	0.1	0.1	0.1	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	0.0	0.0	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																											
Male	1,666	1,803	1,659	1,657	1,656	1,655	1,657	1,659	1,660	1,663	1,666	1,667	1,666	1,666	1,666	1,665	1,665	1,665	1,665	1,665	1,664	1,664	1,664	1,663	1,663	1,663	1,663
Female	1,671	1,805	1,674	1,676	1,677	1,678	1,676	1,674	1,673	1,670	1,667	1,666	1,667	1,667	1,667	1,668	1,668	1,668	1,668	1,668	1,669	1,669	1,669	1,670	1,670	1,670	1,670
All	3,337	3,608	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333	3,333
SMigR: males	37.1	40.2	37.4	36.9	36.5	36.2	36.0	35.8	35.7	35.6	35.5	35.5	35.5	35.4	35.4	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.5	34.4
SMigR: females	37.1	40.2	37.4	36.9	36.5	36.2	36.0	35.8	35.7	35.6	35.5	35.5	35.5	35.4	35.4	35.4	35.3	35.2	35.1	35.0	34.9	34.8	34.7	34.6	34.5	34.5	34.4
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	478	481	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Female	510	473	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
All	988	954	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	389	505	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
Female	388	399	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
All	777	903	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
SMigR: males	157.4	204.8	27.1	26.8	26.5	26.2	26.0	25.8	25.6	25.5	25.4	25.4	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.2	25.1	25.1
SMigR: females	204.6	211.5	27.1	26.8	26.5	26.2	26.0	25.8	25.6	25.5	25.4	25.4	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.2	25.1	25.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189	+189
Overseas	+211	+51	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7	+7
Summary of population change																											
Natural change	-20	-152	-192	-93	-68	-48	-51	-24	-11	-4	5	9	9	-16	-24	-35	-48	-60	-74	-87	-100	-114	-126	-133	-139	-147	-151
Net migration	+242	+180	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196	+196
Net change	+222	+28	+4	+103	+128	+148	+145	+172	+185	+192	+191	+187	+187	+180	+172	+161	+148	+136	+122	+109	+96	+82	+70	+63	+57	+49	+45
Crude Birth Rate /000	9.19	8.81	8.91	9.11	9.24	9.31	9.41	9.61	9.72	9.80	9.84	9.89	9.93	9.94	9.93	9.91	9.89	9.87	9.84	9.80	9.78	9.77	9.77	9.78	9.81	9.84	9.88
Crude Death Rate /000	9.39	10.38	10.88	10.06	9.94	9.80	9.93	9.85	9.83	9.84	9.90	9.98	10.02	10.11	10.17	10.27	10.37	10.47	10.58	10.67	10.78	10.91	11.03	11.11	11.19	11.31	11.39
Crude Net Migration Rate /000	2.49	1.85	2.02	2.01	2.01	2.01	2.01	2.00	2.00	2.00	1.99	1.99	1.98	1.98	1.98	1.97	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,668	4,634	4,588	4,575	4,631	4,702	4,764	4,822	4,875	4,923	4,957	4,982	4,998	5,008	5,011	5,009	5,003	4,994	4,985	4,976	4,969	4,966	4,968	4,977	4,990
5-10	5,858	5,789	5,785	5,793	5,828	5,868	5,873	5,871	5,860	5,831	5,826	5,804	5,805	5,867	5,937	5,996	6,045	6,090	6,128	6,152	6,166	6,171	6,171	6,166	6,155	6,141	6,126	6,113
11-15	5,623	5,524	5,382	5,215	5,086	4,967	4,916	4,861	4,858	4,922	4,948	4,986	5,047	5,046	5,007	4,997	4,972	4,964	5,001	5,054	5,098	5,137	5,171	5,198	5,215	5,224	5,227	5,225
16-17	2,380	2,373	2,406	2,319	2,212	2,171	2,144	2,057	1,988	1,935	1,942	1,990	1,973	1,960	2,018	2,046	2,061	2,077	2,032	1,991	2,002	2,027	2,042	2,055	2,073	2,091	2,101	2,106
18-59/Female, 64/Male	54,561	54,281	53,653	53,532	53,443	53,397	53,280	53,182	52,994	52,877	52,693	52,398	52,207	51,988	51,674	51,384	51,141	50,880	50,609	50,303	50,115	49,888	49,685	49,624	49,586	49,561	49,598	49,679
60/65 -74	15,120	15,396	15,911	16,189	16,415	16,523	16,634	16,671	16,674	16,476	16,342	16,304	15,863	15,583	15,520	15,473	15,566	15,675	15,837	16,050	16,172	16,256	16,391	16,315	16,257	16,199	16,016	15,751
75-84	6,461	6,602	6,775	6,988	7,152	7,340	7,480	7,680	7,981	8,321	8,622	8,881	9,470	9,907	10,201	10,464	10,578	10,641	10,637	10,552	10,426	10,381	10,054	9,897	9,811	9,738	9,836	9,981
85+	2,384	2,535	2,586	2,536	2,573	2,619	2,718	2,811	2,880	2,996	3,120	3,267	3,404	3,571	3,720	3,874	4,019	4,200	4,421	4,690	4,931	5,157	5,593	5,930	6,153	6,350	6,442	6,522
Total	96,987	97,209	97,237	97,241	97,344	97,472	97,620	97,765	97,937	98,122	98,314	98,505	98,692	98,879	99,058	99,230	99,391	99,539	99,674	99,796	99,906	100,001	100,083	100,153	100,216	100,273	100,322	100,368
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30
65+ / 16-65	0.33	0.34	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.51	0.52	0.52	0.53	0.54	0.54	0.54
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.70	0.71	0.71	0.73	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.84	0.84
Median age males	44.3	44.7	45.3	45.5	45.7	45.9	46.1	46.3	46.4	46.5	46.4	46.4	46.1	45.9	45.6	45.4	45.2	45.0	44.9	44.7	44.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5
Median age females	46.0	46.5	46.9	47.1	47.3	47.5	47.8	48.0	48.2	48.4	48.6	48.7	48.7	48.6	48.5	48.4	48.2	48.1	47.9	47.8	47.7	47.6	47.4	47.3	47.2	47.2	47.2	47.1
Sex ratio males /100 females	96.8	96.9	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
Population impact of constraint																												
Number of persons		+151	+28																									
Households																												
Number of Households			41,968	41,886	41,918	41,981	42,083	42,153	42,237	42,357	42,494	42,631	42,748	42,864	42,985	43,102	43,222	43,334	43,415	43,506	43,588	43,646	43,689	43,719	43,744	43,767	43,791	43,797
Change in Households over previous year			-81	+31	+63	+102	+70	+84	+120	+137	+137	+117	+116	+121	+117	+119	+112	+81	+91	+82	+58	+43	+30	+25	+22	+25	+5	
Number of supply units			43,725	43,641	43,673	43,739	43,846	43,919	44,006	44,131	44,274	44,416	44,539	44,660	44,786	44,908	45,032	45,149	45,233	45,328	45,414	45,474	45,519	45,550	45,576	45,600	45,626	45,631
Change in over previous year			-85	+33	+66	+106	+73	+88	+125	+143	+142	+122	+121	+126	+122	+124	+117	+84	+95	+85	+60	+45	+32	+26	+23	+26	+5	
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,879	48,899	48,941	48,966	48,868	48,749	48,780	48,778	48,549	48,271	47,923	47,537	47,371	47,176	46,968	46,794	46,610	46,489	46,364	46,235	46,156	46,091	46,058	46,048	46,061
Change in Labour Force over previous year		-129	-1,308	-153	-21	+42	+25	-98	-120	+32	-3	-229	-278	-348	-386	-166	-195	-208	-174	-184	-122	-125	-129	-79	-65	-33	-10	+13
Number of supply units	37,178	36,965	36,764	37,003	37,523	37,555	37,613	37,577	37,524	37,587	37,624	37,448	37,233	36,965	36,667	36,539	36,388	36,228	36,094	35,952	35,858	35,762	35,662	35,602	35,552	35,526	35,518	35,529
Change in over previous year		-214	-201	+239	+521	+32	+58	-36	-53	+63	+37	-176	-214	-269	-298	-128	-150	-160	-134	-142	-94	-96	-100	-61	-50	-25	-8	+10

Population Estimates and Forecasts

Scenario E: Staffordshire Moorlands Long Term Migration

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	444	456	464	470	477	489	496	502	507	511	515	517	518	519	519	519	519	519	519	519	520	522	524	527	530
Female	435	418	423	434	442	447	454	465	473	479	483	486	490	492	493	494	495	495	494	494	494	494	495	497	499	502	505
All Births	892	857	868	890	906	917	931	954	969	981	989	997	1,005	1,009	1,012	1,013	1,014	1,014	1,014	1,013	1,013	1,014	1,015	1,019	1,024	1,029	1,035
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	479	476	470	479	480	482	484	489	496	502	508	514	520	528	534	540	546	552	560	567	573	576	582	586
Female	478	532	552	501	493	488	493	486	484	485	489	492	493	497	500	506	510	517	523	528	535	541	548	552	559	565	571
All deaths	912	1,009	1,058	979	969	957	972	966	966	969	977	988	994	1,005	1,014	1,026	1,039	1,050	1,063	1,074	1,087	1,101	1,115	1,125	1,135	1,148	1,157
SMR: males	96.7	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	100.8	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	98.8	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	77.5	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	79.5	78.8	78.5	79.4	79.7	80.0	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	83.2	82.6	82.4	83.3	83.6	83.9	83.9	84.2	84.4	84.6	84.7	85.0	85.2	85.3	85.6	85.7	85.9	86.1	86.3	86.5	86.6	86.7	86.8	87.0	87.1	87.3	87.4
Expectation of life: persons	81.5	80.9	80.6	81.5	81.8	82.1	82.2	82.5	82.7	82.9	83.1	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.1	85.2	85.4	85.6	85.7	85.8	86.0
Deaths input	*	*																									
In-migration from the UK																											
Male	1,670	1,854	1,824	1,827	1,830	1,832	1,835	1,838	1,840	1,842	1,844	1,845	1,846	1,846	1,846	1,846	1,845	1,845	1,844	1,844	1,844	1,844	1,844	1,844	1,844	1,844	1,844
Female	1,698	1,883	1,846	1,843	1,840	1,838	1,835	1,832	1,830	1,828	1,826	1,825	1,824	1,824	1,824	1,824	1,825	1,825	1,826	1,826	1,826	1,826	1,826	1,826	1,826	1,826	1,826
All	3,368	3,737	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670	3,670
SMigR: males	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
SMigR: females	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	0.0	0.0	0.0	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																											
Male	1,666	1,803	1,684	1,681	1,680	1,679	1,682	1,683	1,684	1,688	1,691	1,691	1,691	1,691	1,691	1,690	1,690	1,690	1,690	1,690	1,689	1,689	1,689	1,688	1,688	1,688	1,688
Female	1,671	1,805	1,698	1,701	1,702	1,703	1,700	1,699	1,698	1,694	1,691	1,691	1,691	1,691	1,691	1,692	1,692	1,692	1,692	1,692	1,693	1,693	1,693	1,694	1,694	1,694	1,694
All	3,337	3,608	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382
SMigR: males	37.1	40.2	38.0	37.4	36.9	36.5	36.2	36.0	35.8	35.7	35.6	35.5	35.4	35.3	35.2	35.1	35.0	34.9	34.7	34.6	34.4	34.3	34.2	34.0	33.9	33.8	33.7
SMigR: females	37.1	40.2	38.0	37.4	36.9	36.5	36.2	36.0	35.8	35.7	35.6	35.5	35.4	35.3	35.2	35.1	35.0	34.9	34.7	34.6	34.4	34.3	34.2	34.0	33.9	33.8	33.7
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	478	481	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Female	510	473	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
All	988	954	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	389	505	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
Female	388	399	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
All	777	903	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
SMigR: males	157.4	204.8	28.0	27.7	27.3	26.9	26.6	26.4	26.2	26.0	25.9	25.8	25.8	25.8	25.7	25.7	25.7	25.7	25.6	25.5	25.5	25.4	25.3	25.2	25.1	25.0	24.9
SMigR: females	204.6	211.5	28.0	27.7	27.3	26.9	26.6	26.4	26.2	26.0	25.9	25.8	25.8	25.8	25.7	25.7	25.7	25.7	25.6	25.5	25.5	25.4	25.3	25.2	25.1	25.0	24.9
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288	+288
Overseas	+211	+51	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11	+11
Summary of population change																											
Natural change	-20	-152	-190	-89	-62	-40	-41	-12	+3	+12	+12	-9	-10	+4	-2	-13	-25	-37	-49	-62	-75	-88	-100	-106	-111	-118	-122
Net migration	+242	+180	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299	+299
Net change	+222	+28	+109	+210	+237	+259	+258	+287	+302	+311	+311	+308	+309	+303	+297	+286	+274	+262	+250	+237	+224	+211	+199	+193	+188	+181	+177
Crude Birth Rate /000	9.19	8.81	8.92	9.13	9.28	9.36	9.48	9.69	9.81	9.90	9.95	10.01	10.05	10.06	10.06	10.04	10.02	10.00	9.97	9.94	9.91	9.90	9.90	9.91	9.94	9.98	10.02
Crude Death Rate /000	9.39	10.38	10.88	10.05	9.92	9.78	9.90	9.81	9.78	9.79	9.84	9.91	9.95	10.02	10.08	10.17	10.27	10.36	10.45	10.54	10.64	10.76	10.87	10.94	11.02	11.13	11.20
Crude Net Migration Rate /000	2.49	1.85	3.07	3.07	3.06	3.05	3.05	3.04	3.03	3.02	3.01	3.00	2.99	2.98	2.97	2.96	2.96	2.95	2.94	2.93	2.93	2.92	2.91	2.91	2.90	2.90	2.89

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,678	4,655	4,621	4,620	4,688	4,770	4,844	4,913	4,977	5,035	5,078	5,112	5,137	5,154	5,165	5,170	5,170	5,168	5,165	5,162	5,161	5,165	5,174	5,190	5,210
5-10	5,858	5,789	5,785	5,800	5,841	5,889	5,903	5,912	5,912	5,895	5,903	5,894	5,909	5,983	6,067	6,138	6,200	6,257	6,306	6,340	6,363	6,377	6,386	6,388	6,386	6,379	6,372	6,366
11-15	5,623	5,524	5,382	5,219	5,094	4,979	4,933	4,884	4,887	4,958	4,991	5,037	5,106	5,115	5,085	5,084	5,070	5,073	5,120	5,184	5,238	5,286	5,330	5,366	5,391	5,408	5,418	5,423
16-17	2,380	2,373	2,406	2,321	2,215	2,176	2,151	2,065	1,998	1,947	1,956	2,007	1,993	1,983	2,044	2,075	2,093	2,113	2,072	2,036	2,050	2,080	2,099	2,116	2,138	2,159	2,173	2,182
18-59Female, 64Male	54,561	54,281	53,653	53,610	53,597	53,627	53,586	53,562	53,449	53,405	53,294	53,073	52,954	52,808	52,568	52,351	52,183	51,996	51,799	51,568	51,456	51,304	51,179	51,195	51,235	51,290	51,406	51,568
60/65 -74	15,120	15,396	15,911	16,192	16,421	16,533	16,648	16,691	16,699	16,507	16,380	16,348	15,915	15,643	15,589	15,551	15,654	15,774	15,948	16,172	16,307	16,404	16,552	16,489	16,444	16,398	16,227	15,975
75-84	6,461	6,602	6,775	6,990	7,155	7,344	7,486	7,689	7,992	8,335	8,638	8,901	9,494	9,935	10,234	10,501	10,621	10,689	10,690	10,610	10,490	10,450	10,128	9,976	9,897	9,831	9,937	10,090
85+	2,384	2,535	2,586	2,537	2,576	2,623	2,724	2,818	2,889	3,007	3,133	3,282	3,422	3,591	3,742	3,899	4,047	4,231	4,455	4,729	4,974	5,205	5,647	5,990	6,219	6,422	6,520	6,606
Total	96,987	97,209	97,237	97,346	97,555	97,792	98,050	98,309	98,596	98,898	99,208	99,519	99,827	100,137	100,440	100,737	101,023	101,297	101,560	101,809	102,047	102,271	102,482	102,681	102,874	103,062	103,243	103,420
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30
65+ / 16-65	0.33	0.34	0.36	0.37	0.38	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.78	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.83
Median age males	44.3	44.7	45.3	45.4	45.6	45.8	46.0	46.2	46.3	46.3	46.2	46.1	45.8	45.5	45.1	45.0	44.8	44.6	44.4	44.3	44.2	44.1	44.1	44.1	44.1	44.1	44.1	44.1
Median age females	46.0	46.5	46.9	47.0	47.2	47.4	47.7	47.9	48.1	48.2	48.4	48.4	48.4	48.3	48.1	48.0	47.8	47.6	47.4	47.3	47.2	47.0	46.9	46.8	46.7	46.7	46.6	46.6
Sex ratio males /100 females	96.8	96.9	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6
Population impact of constraint																												
Number of persons		+151	+28																									
Households																												
Number of Households			41,968	41,916	41,980	42,077	42,215	42,322	42,445	42,605	42,783	42,962	43,123	43,283	43,449	43,612	43,778	43,939	44,068	44,209	44,340	44,449	44,543	44,626	44,704	44,780	44,859	44,918
Change in Households over previous year				-52	+64	+97	+138	+107	+123	+160	+178	+179	+161	+160	+166	+163	+166	+160	+129	+141	+132	+108	+95	+82	+78	+76	+79	+60
Number of supply units			43,725	43,672	43,738	43,839	43,983	44,095	44,223	44,389	44,575	44,761	44,929	45,096	45,269	45,439	45,612	45,779	45,914	46,060	46,198	46,311	46,409	46,495	46,576	46,655	46,737	46,800
Change in over previous year				-54	+66	+101	+144	+112	+128	+166	+186	+186	+167	+167	+173	+170	+173	+167	+135	+147	+137	+113	+99	+86	+81	+79	+82	+62
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,944	49,031	49,138	49,229	49,196	49,141	49,239	49,301	49,138	48,924	48,640	48,316	48,215	48,086	47,945	47,837	47,720	47,666	47,610	47,549	47,540	47,545	47,582	47,642	47,726
Change in Labour Force over previous year		-129	-1,308	-88	-87	+107	+90	-33	-55	+97	+63	-164	-213	-285	-324	-101	-129	-141	-107	-117	-54	-57	-61	-10	+5	+37	+60	+84
Number of supply units	37,178	36,965	36,764	37,052	37,625	37,707	37,815	37,829	37,826	37,940	38,028	37,902	37,737	37,517	37,267	37,190	37,090	36,981	36,899	36,808	36,767	36,723	36,676	36,669	36,673	36,701	36,747	36,812
Change in over previous year		-214	-201	+288	+572	+82	+109	+14	-3	+114	+88	-126	-165	-220	-250	-78	-99	-109	-83	-90	-42	-44	-47	-7	+4	+29	+46	+65

Population Estimates and Forecasts

Scenario F: Staffordshire Moorlands Oxford Economics

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	440	429	420	423	426	436	443	446	447	453	460	466	472	473	476	479	481	483	485	489	486	484	482	480	478
Female	435	418	419	408	400	402	406	416	422	425	426	432	438	444	449	451	453	456	458	460	462	465	463	461	459	457	456
All Births	892	857	859	837	821	825	832	852	866	871	874	885	898	910	921	924	929	935	939	942	947	954	949	945	941	938	934
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	480	479	476	489	494	500	505	512	524	534	544	555	565	577	587	597	608	618	631	641	650	657	667	674
Female	478	532	552	503	499	502	515	514	518	524	532	540	546	555	563	573	581	592	602	611	623	634	643	650	659	669	678
All deaths	912	1,009	1,058	983	978	978	1,003	1,007	1,018	1,029	1,044	1,064	1,079	1,100	1,119	1,138	1,158	1,179	1,199	1,219	1,241	1,265	1,284	1,300	1,316	1,336	1,352
SMR: males	96.7	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	100.8	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	98.8	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	79.5	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	83.2	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	81.5	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	1,604	1,780	1,466	1,613	1,908	1,896	1,936	1,943	1,872	1,851	1,944	1,947	1,966	1,981	1,876	1,896	1,910	1,896	1,910	1,924	1,945	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,764	1,957	1,575	1,730	2,044	2,027	2,066	2,070	1,991	1,965	2,060	2,059	2,076	2,090	1,979	2,000	2,016	2,005	2,022	2,039	2,062	1,905	1,912	1,920	1,926	1,934	1,941
All	3,368	3,737	3,041	3,343	3,952	3,923	4,001	4,013	3,863	3,816	4,004	4,007	4,043	4,072	3,855	3,896	3,926	3,901	3,932	3,963	4,007	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.0	0.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	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	1,578	1,711	1,840	1,715	1,420	1,428	1,393	1,386	1,451	1,473	1,377	1,365	1,348	1,334	1,437	1,420	1,418	1,432	1,427	1,419	1,396	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,759	1,897	2,027	1,858	1,537	1,547	1,482	1,479	1,550	1,557	1,448	1,446	1,428	1,418	1,524	1,509	1,506	1,525	1,518	1,511	1,494	1,660	1,664	1,667	1,670	1,672	1,675
All	3,337	3,608	3,867	3,572	2,957	2,975	2,876	2,865	3,002	3,029	2,825	2,811	2,777	2,752	2,961	2,929	2,924	2,957	2,945	2,930	2,890	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	35.1	38.2	41.5	39.3	32.9	32.8	31.7	31.2	32.3	32.6	30.3	29.8	29.2	28.5	30.4	29.9	29.6	29.7	29.3	28.9	28.3	31.1	31.1	31.2	31.2	31.3	31.3
SMigR: females	39.1	42.3	45.3	42.7	35.9	35.7	34.0	33.6	34.8	34.8	32.4	32.0	31.2	30.6	32.5	32.0	31.7	31.8	31.4	31.0	30.4	33.5	33.6	33.7	33.8	33.9	34.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	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	427	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	768	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	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	282	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	557	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	111.3	151.0	23.3	23.8	24.2	24.0	23.8	23.6	23.4	23.2	23.2	23.0	22.8	22.6	22.4	22.3	22.2	22.0	21.9	21.8	21.6	21.4	21.4	21.4	21.5	21.5	21.5
SMigR: females	148.7	160.9	23.2	24.0	24.6	24.3	24.1	23.8	23.6	23.5	23.5	23.3	23.1	22.8	22.5	22.5	22.4	22.3	22.2	22.1	21.9	21.7	21.8	21.9	22.0	22.1	22.2
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	-826	-229	+995	+948	+1,126	+1,148	+861	+787	+1,179	+1,196	+1,266	+1,320	+894	+967	+1,002	+944	+987	+1,033	+1,117	+485	+494	+502	+507	+517	+524
Overseas	+211	+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	-20	-152	-200	-146	-157	-153	-171	-155	-152	-158	-171	-179	-182	-190	-197	-213	-229	-244	-260	-276	-294	-311	-335	-355	-375	-399	-418
Net migration	+242	+180	-805	-208	+1,016	+975	+1,149	+1,171	+882	+808	+1,200	+1,216	+1,287	+1,341	+915	+988	+1,023	+965	+1,008	+1,054	+1,138	+506	+515	+523	+528	+538	+545
Net change	+222	+28	-1,004	-354	+859	+821	+977	+1,016	+729	+650	+1,029	+1,037	+1,106	+1,151	+718	+774	+794	+721	+747	+777	+844	+195	+179	+168	+153	+139	+126
Crude Birth Rate /000	9.19	8.81	8.88	8.71	8.52	8.49	8.49	8.60	8.66	8.66	8.61	8.64	8.67	8.69	8.72	8.69	8.67	8.67	8.64	8.61	8.59	8.61	8.56	8.50	8.46	8.42	8.38
Crude Death Rate /000	9.39	10.38	10.94	10.23	10.16	10.07	10.23	10.17	10.19	10.23	10.29	10.39	10.42	10.51	10.59	10.70	10.81	10.92	11.04	11.14	11.26	11.42	11.58	11.70	11.83	11.99	12.13
Crude Net Migration Rate /000	2.49	1.85	-8.32	-2.16	10.55	10.03	11.71	11.83	8.82	8.03	11.83	11.87	12.43	12.81	8.66	9.29	9.55	8.94	9.28	9.63	10.32	4.57	4.64	4.71	4.75	4.83	4.88

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,618	4,549	4,528	4,519	4,574	4,629	4,664	4,694	4,750	4,810	4,870	4,932	4,962	4,995	5,026	5,050	5,074	5,099	5,129	5,116	5,100	5,082	5,065	5,049	5,033
5-10	5,858	5,789	5,785	5,804	5,860	5,988	6,069	6,153	6,224	6,226	6,237	6,237	6,251	6,321	6,395	6,440	6,489	6,544	6,594	6,639	6,681	6,724	6,729	6,730	6,727	6,719	6,707	6,695
11-15	5,623	5,524	5,382	5,220	5,121	5,070	5,089	5,108	5,181	5,315	5,397	5,501	5,628	5,691	5,705	5,723	5,713	5,712	5,746	5,792	5,836	5,884	5,904	5,924	5,937	5,947	5,956	5,961
16-17	2,380	2,373	2,406	2,314	2,217	2,204	2,202	2,138	2,095	2,069	2,098	2,175	2,186	2,200	2,300	2,350	2,376	2,411	2,380	2,358	2,372	2,392	2,395	2,401	2,413	2,426	2,433	2,436
18-59Female, 64Male	54,561	54,281	53,653	52,495	51,805	52,043	52,195	52,594	52,745	52,852	52,850	53,018	53,286	53,572	53,789	53,737	53,781	53,808	53,779	53,733	53,825	53,921	53,606	53,421	53,260	53,114	53,024	52,988
60/65 -74	15,120	15,396	15,911	16,225	16,514	16,754	16,999	17,180	17,328	17,260	17,250	17,354	17,049	16,916	17,011	17,102	17,351	17,627	17,958	18,344	18,648	18,922	19,203	19,263	19,332	19,389	19,309	19,122
75-84	6,461	6,602	6,775	6,993	7,179	7,415	7,602	7,854	8,213	8,606	8,956	9,284	9,963	10,493	10,877	11,216	11,412	11,554	11,826	11,614	11,565	11,602	11,311	11,203	11,176	11,166	11,345	11,585
85+	2,384	2,535	2,586	2,562	2,634	2,736	2,884	3,025	3,137	3,290	3,450	3,643	3,824	4,042	4,246	4,442	4,630	4,857	5,129	5,457	5,761	6,055	6,560	6,962	7,245	7,499	7,640	7,770
Total	96,987	97,209	97,237	96,233	95,878	96,737	97,559	98,536	99,552	100,282	100,932	101,961	102,998	104,104	105,255	105,973	106,747	107,540	108,262	109,009	109,786	110,630	110,825	111,004	111,172	111,325	111,464	111,590
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	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
65+ / 16-65	0.33	0.34	0.36	0.38	0.40	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	0.60
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.65	0.67	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	0.81	0.82	0.83	0.84	0.86	0.87	0.88	0.89	0.90
Median age males	44.3	44.7	45.3	45.8	46.3	46.6	46.9	47.1	47.4	47.6	47.9	47.9	47.9	47.8	47.6	47.5	47.4	47.3	47.2	47.2	47.1	47.0	47.1	47.1	47.2	47.3	47.4	47.5
Median age females	46.0	46.5	46.9	47.5	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.0	50.1	50.2	50.2	50.3	50.3	50.2	50.2	50.1	50.1	50.0	50.1	50.2	50.3	50.4	50.5	50.5
Sex ratio males /100 females	96.8	96.9	96.8	97.0	97.2	97.2	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	97.9	98.0	98.0	98.1	98.1	98.1	98.2
Population impact of constraint																												
Number of persons		+151	+28	-1,041	-448	+755	+679	+824	+834	+522	+420	+788	+791	+864	+918	+475	+539	+578	+504	+539	+574	+641						
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,185	47,729	48,016	48,301	48,581	48,868	49,137	49,331	49,510	49,659	49,779	49,876	49,952	50,026	50,102	50,171	50,245	50,398	50,581	50,407	50,266	50,128	50,017	49,922	49,854
Change in Labour Force over previous year		-129	-1,308	-847	-455	+287	+286	+280	+286	+270	+194	+179	+149	+120	+98	+76	+74	+76	+70	+73	+153	+183	-173	-141	-137	-111	-95	-69
Number of supply units	37,178	36,965	36,764	36,477	36,625	36,845	37,103	37,357	37,616	37,862	38,051	38,189	38,304	38,396	38,471	38,530	38,587	38,645	38,699	38,755	38,873	39,014	38,881	38,772	38,666	38,580	38,507	38,454
Change in over previous year		-214	-201	-287	+148	+220	+258	+254	+259	+247	+189	+138	+115	+92	+75	+59	+57	+58	+54	+57	+118	+141	-134	-109	-106	-86	-73	-53
Households																												
Number of Households			41,968	41,752	41,767	42,189	42,635	43,092	43,562	43,939	44,302	44,802	45,294	45,814	46,352	46,745	47,171	47,610	47,994	48,399	48,810	49,224	49,406	49,572	49,725	49,867	50,004	50,114
Change in Households over previous year				-216	+15	+422	+446	+457	+469	+377	+364	+500	+492	+521	+538	+393	+426	+439	+385	+405	+411	+414	+183	+165	+153	+142	+137	+110
Number of supply units			43,725	43,500	43,516	43,956	44,421	44,897	45,386	45,779	46,158	46,678	47,191	47,733	48,294	48,703	49,147	49,604	50,005	50,426	50,854	51,285	51,476	51,648	51,808	51,956	52,098	52,213
Change in over previous year				-225	+16	+440	+464	+476	+489	+393	+379	+521	+513	+542	+560	+409	+444	+457	+401	+422	+428	+431	+190	+172	+160	+148	+142	+114

Population Estimates and Forecasts

Scenario Fa: Staffordshire Moorlands Oxford Economics + 5% Red in Commuting

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	440	429	420	421	423	431	436	437	436	439	444	448	452	452	452	454	454	454	455	458	456	454	453	452	452
Female	435	418	419	408	400	401	403	411	415	416	415	419	423	427	430	430	431	432	432	433	434	436	434	433	432	431	430
All Births	892	857	859	837	821	823	826	842	851	852	850	858	866	874	882	882	883	886	886	887	889	893	890	887	885	883	882
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	480	479	476	488	493	499	503	510	522	531	541	551	560	572	581	591	601	611	623	633	642	648	658	666
Female	478	532	552	503	499	502	514	512	515	521	528	536	541	550	558	567	575	585	594	603	614	625	634	640	650	660	669
All deaths	912	1,009	1,058	983	978	978	1,002	1,005	1,014	1,025	1,039	1,058	1,072	1,091	1,109	1,127	1,147	1,166	1,186	1,204	1,225	1,248	1,267	1,282	1,299	1,318	1,335
SMR: males	96.7	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	100.8	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	98.8	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	79.5	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	83.2	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	81.5	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	1,604	1,780	1,466	1,613	1,881	1,852	1,892	1,898	1,827	1,806	1,899	1,901	1,919	1,934	1,830	1,850	1,863	1,850	1,863	1,876	1,897	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,764	1,957	1,575	1,730	2,016	1,980	2,019	2,022	1,943	1,917	2,011	2,010	2,027	2,040	1,930	1,951	1,967	1,956	1,972	1,989	2,011	1,905	1,912	1,920	1,926	1,934	1,941
All	3,368	3,737	3,041	3,343	3,897	3,831	3,910	3,920	3,770	3,723	3,910	3,912	3,946	3,973	3,761	3,801	3,830	3,806	3,836	3,865	3,909	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.0	0.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	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	1,578	1,711	1,840	1,715	1,447	1,472	1,437	1,431	1,496	1,518	1,423	1,412	1,395	1,381	1,483	1,467	1,464	1,478	1,473	1,466	1,444	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,759	1,897	2,027	1,858	1,566	1,594	1,529	1,527	1,598	1,604	1,496	1,495	1,478	1,469	1,572	1,558	1,555	1,574	1,567	1,561	1,545	1,660	1,664	1,667	1,670	1,672	1,675
All	3,337	3,608	3,867	3,572	3,013	3,066	2,967	2,957	3,094	3,122	2,919	2,907	2,873	2,850	3,056	3,024	3,020	3,052	3,041	3,028	2,989	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	35.1	38.2	41.5	39.3	33.5	33.8	32.8	32.4	33.6	34.0	31.8	31.4	30.8	30.3	32.2	31.8	31.6	31.7	31.4	31.0	30.4	32.5	32.5	32.5	32.5	32.6	32.6
SMigR: females	39.1	42.3	45.3	42.7	36.5	36.9	35.3	35.0	36.3	36.5	34.1	33.8	33.1	32.6	34.5	34.1	33.8	34.0	33.7	33.4	32.9	35.0	35.2	35.2	35.3	35.4	35.5
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	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	427	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	768	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	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	282	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	557	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	111.3	151.0	23.3	23.8	24.2	24.0	23.9	23.8	23.6	23.6	23.6	23.5	23.3	23.2	23.0	23.0	23.0	22.9	22.8	22.7	22.5	22.4	22.4	22.4	22.4	22.5	22.5
SMigR: females	148.7	160.9	23.2	24.0	24.6	24.4	24.3	24.1	23.9	24.0	24.0	23.9	23.8	23.6	23.4	23.4	23.4	23.3	23.3	23.2	23.1	23.0	23.0	23.1	23.2	23.3	23.3
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	-826	-229	+884	+765	+944	+963	+676	+601	+991	+1,005	+1,073	+1,123	+705	+776	+810	+754	+795	+838	+920	+485	+494	+502	+507	+517	+524
Overseas	+211	+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	-20	-152	-200	-146	-157	-155	-176	-163	-163	-172	-188	-200	-206	-217	-227	-246	-264	-280	-299	-317	-336	-354	-377	-395	-414	-435	-453
Net migration	+242	+180	-805	-208	+905	+792	+967	+987	+697	+822	+1,012	+1,026	+1,093	+1,144	+726	+797	+831	+775	+816	+858	+941	+506	+515	+523	+528	+538	+545
Net change	+222	+28	-1,004	-354	+748	+637	+791	+824	+533	+450	+824	+826	+888	+927	+499	+551	+567	+494	+517	+542	+605	+152	+138	+127	+114	+103	+92
Crude Birth Rate /000	9.19	8.81	8.88	8.71	8.53	8.49	8.46	8.55	8.58	8.55	8.48	8.49	8.50	8.50	8.52	8.47	8.44	8.42	8.39	8.35	8.32	8.33	8.29	8.25	8.23	8.20	8.18
Crude Death Rate /000	9.39	10.38	10.94	10.23	10.16	10.08	10.26	10.20	10.23	10.28	10.36	10.46	10.51	10.61	10.71	10.83	10.96	11.08	11.22	11.33	11.47	11.64	11.80	11.93	12.07	12.24	12.38
Crude Net Migration Rate /000	2.49	1.85	-8.32	-2.16	9.40	8.17	9.90	10.02	7.03	6.24	10.09	10.15	10.72	11.12	7.01	7.66	7.94	7.37	7.72	8.08	8.81	4.72	4.79	4.87	4.91	4.99	5.05

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,618	4,549	4,519	4,496	4,535	4,573	4,589	4,599	4,635	4,673	4,712	4,753	4,764	4,776	4,790	4,796	4,803	4,812	4,827	4,813	4,799	4,784	4,772	4,762	4,754
5-10	5,858	5,789	5,785	5,804	5,860	5,982	6,051	6,123	6,181	6,168	6,163	6,146	6,142	6,191	6,242	6,264	6,289	6,319	6,344	6,365	6,383	6,402	6,396	6,388	6,376	6,362	6,347	6,333
11-15	5,623	5,524	5,382	5,220	5,121	5,066	5,077	5,089	5,153	5,278	5,351	5,445	5,561	5,612	5,615	5,619	5,596	5,581	5,599	5,626	5,651	5,679	5,687	5,695	5,696	5,695	5,692	5,688
16-17	2,380	2,373	2,406	2,314	2,217	2,202	2,197	2,131	2,085	2,057	2,082	2,155	2,163	2,173	2,269	2,314	2,336	2,366	2,330	2,302	2,312	2,325	2,325	2,326	2,334	2,342	2,344	2,343
18-59Female, 64Male	54,561	54,281	53,653	52,495	51,805	51,964	51,987	52,167	52,278	52,256	52,124	52,161	52,298	52,450	52,532	52,352	52,266	52,162	52,004	51,826	51,786	51,748	51,429	51,239	51,070	50,915	50,815	50,764
60/65 -74	15,120	15,396	15,911	16,225	16,514	16,747	16,982	17,153	17,289	17,209	17,197	17,277	16,959	16,812	16,890	16,965	17,196	17,452	17,763	18,126	18,408	18,659	18,929	18,979	19,038	19,086	18,999	18,806
75-84	6,461	6,602	6,775	6,993	7,179	7,412	7,595	7,842	8,195	8,583	8,928	9,249	9,920	10,442	10,818	11,150	11,337	11,472	11,535	11,516	11,459	11,487	11,197	11,088	11,059	11,045	11,219	11,452
85+	2,384	2,535	2,586	2,562	2,634	2,734	2,878	3,014	3,123	3,272	3,428	3,616	3,794	4,006	4,205	4,397	4,579	4,802	5,068	5,389	5,686	5,973	6,476	6,877	7,160	7,414	7,556	7,686
Total	96,987	97,209	97,237	96,233	95,878	96,626	97,263	98,054	98,878	99,411	99,861	100,684	101,510	102,398	103,325	103,824	104,376	104,943	105,437	105,955	106,496	107,101	107,253	107,390	107,518	107,632	107,735	107,826
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	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
65+ / 16-65	0.33	0.34	0.36	0.38	0.40	0.41	0.42	0.43	0.44	0.44	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	0.59	0.60	0.61	0.62
0-15 and 65+ / 16-65	0.59	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	0.76	0.77	0.78	0.79	0.80	0.82	0.83	0.84	0.86	0.87	0.88	0.89	0.90	0.91
Median age males	44.3	44.7	45.3	45.8	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.2	48.2	48.2	48.1	48.0	47.9	47.8	47.8	47.8	47.8	47.7	47.7	47.8	47.8	47.9	48.0	48.1
Median age females	46.0	46.5	46.9	47.5	48.0	48.3	48.7	49.0	49.3	49.7	50.0	50.2	50.4	50.6	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9	51.0	51.1	51.2	51.2	51.3
Sex ratio males /100 females	96.8	96.9	96.8	97.0	97.2	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	98.1	98.2	98.2
Population impact of constraint																												
Number of persons		+151	+28	-1,041	-448	+644	+496	+643	+650	+337	+234	+600	+600	+670	+722	+286	+349	+386	+313	+348	+379	+444						
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,185	47,729	47,950	48,125	48,294	48,467	48,623	48,703	48,767	48,800	48,805	48,787	48,748	48,706	48,665	48,619	48,576	48,609	48,670	48,484	48,333	48,186	48,065	47,959	47,877
Change in Labour Force over previous year		-129	-1,308	-847	-455	+221	+175	+168	+173	+156	+80	+64	+33	+4	-18	-39	-42	-40	-47	-43	+33	+61	-187	-151	-147	-121	-106	-81
Number of supply units	37,178	36,965	36,764	36,477	36,625	36,845	37,103	37,357	37,616	37,862	38,051	38,189	38,304	38,396	38,471	38,530	38,587	38,645	38,699	38,755	38,873	39,014	38,957	38,928	38,902	38,897	38,904	38,838
Change in over previous year		-214	-201	-287	+148	+220	+258	+254	+259	+247	+189	+138	+115	+92	+75	+59	+57	+58	+54	+57	+118	+141	-58	-29	-26	-5	+7	-66
Households																												
Number of Households			41,968	41,752	41,767	42,153	42,536	42,929	43,333	43,641	43,935	44,361	44,777	45,220	45,677	45,990	46,334	46,690	46,991	47,310	47,634	47,959	48,120	48,265	48,399	48,523	48,641	48,734
Change in Households over previous year				-216	+15	+385	+384	+393	+403	+309	+293	+426	+416	+442	+457	+313	+344	+355	+301	+319	+324	+325	+161	+145	+134	+123	+118	+93
Number of supply units			43,725	43,500	43,516	43,918	44,318	44,728	45,147	45,469	45,775	46,219	46,653	47,114	47,590	47,917	48,275	48,645	48,959	49,292	49,629	49,968	50,135	50,287	50,427	50,555	50,678	50,775
Change in over previous year				-225	+16	+402	+400	+410	+420	+322	+306	+444	+434	+461	+477	+326	+359	+370	+314	+333	+337	+339	+168	+151	+140	+128	+123	+96

Population Estimates and Forecasts

Scenario G: Staffordshire Moorlands OE Policy On

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	440	429	422	425	428	438	444	446	449	457	466	475	485	490	497	504	510	516	521	526	523	521	518	515	513
Female	435	418	419	408	402	405	408	417	423	425	427	435	444	453	462	467	473	480	486	491	496	501	498	496	493	491	488
All Births	892	857	859	837	825	830	835	854	867	871	876	892	910	928	947	957	970	984	996	1,007	1,016	1,027	1,022	1,017	1,012	1,006	1,001
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	480	479	476	489	494	500	505	513	525	535	546	558	568	582	592	604	615	626	639	650	659	666	676	684
Female	478	532	552	503	500	503	515	514	518	524	532	541	547	558	568	578	588	600	611	622	634	646	655	661	670	680	688
All deaths	912	1,009	1,058	983	979	979	1,004	1,008	1,018	1,029	1,045	1,066	1,083	1,105	1,125	1,147	1,170	1,192	1,215	1,237	1,260	1,285	1,304	1,320	1,336	1,356	1,372
SMR: males	96.7	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	100.8	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	98.8	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	79.5	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	82.6	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	83.2	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	81.5	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	1,604	1,780	1,466	1,657	1,912	1,881	1,924	1,928	1,864	1,875	1,994	2,010	2,041	2,066	1,968	1,989	2,001	1,990	2,002	1,980	1,990	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,764	1,957	1,575	1,778	2,049	2,011	2,054	2,055	1,983	1,990	2,113	2,125	2,155	2,179	2,075	2,097	2,113	2,104	2,119	2,098	2,109	1,905	1,912	1,920	1,926	1,934	1,941
All	3,368	3,737	3,041	3,435	3,961	3,892	3,978	3,983	3,847	3,865	4,107	4,135	4,196	4,245	4,043	4,086	4,114	4,094	4,120	4,078	4,099	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.0	0.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	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	1,578	1,711	1,840	1,671	1,416	1,443	1,405	1,400	1,459	1,449	1,327	1,303	1,274	1,250	1,346	1,328	1,327	1,339	1,336	1,363	1,352	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,759	1,897	2,027	1,810	1,533	1,562	1,495	1,494	1,559	1,532	1,395	1,380	1,349	1,329	1,427	1,411	1,409	1,426	1,420	1,451	1,446	1,660	1,664	1,667	1,670	1,672	1,675
All	3,337	3,608	3,867	3,480	2,948	3,005	2,900	2,895	3,017	2,981	2,722	2,684	2,623	2,578	2,773	2,739	2,736	2,765	2,756	2,814	2,798	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	35.1	38.2	41.5	38.3	32.7	33.0	31.9	31.4	32.4	32.0	29.2	28.3	27.3	26.4	28.0	27.3	27.0	26.9	26.5	26.7	26.2	29.7	29.8	29.8	29.9	29.9	30.0
SMigR: females	39.1	42.3	45.3	41.6	35.6	36.0	34.2	33.9	35.0	34.3	31.1	30.4	29.2	28.3	29.8	29.1	28.7	28.7	28.2	28.4	28.0	31.8	32.0	32.1	32.2	32.4	32.5
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	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	427	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	768	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	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	282	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	557	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	111.3	151.0	23.3	23.8	24.1	23.9	23.8	23.5	23.3	23.2	23.1	22.9	22.6	22.3	21.9	21.7	21.5	21.3	21.0	20.8	20.5	20.3	20.4	20.4	20.4	20.5	20.5
SMigR: females	148.7	160.9	23.2	24.0	24.4	24.2	24.0	23.8	23.6	23.5	23.4	23.1	22.8	22.4	22.0	21.8	21.6	21.3	21.1	20.8	20.6	20.4	20.5	20.6	20.8	20.9	21.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	-826	-46	+1,013	+887	+1,078	+1,088	+829	+884	+1,385	+1,451	+1,572	+1,667	+1,271	+1,347	+1,378	+1,329	+1,364	+1,264	+1,301	+485	+494	+502	+507	+517	+524
Overseas	+211	+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	-20	-152	-200	-146	-154	-150	-169	-153	-151	-157	-169	-174	-173	-177	-179	-190	-200	-208	-219	-230	-244	-258	-283	-303	-324	-349	-371
Net migration	+242	+180	-805	-24	+1,034	+914	+1,101	+1,112	+850	+905	+1,406	+1,472	+1,593	+1,688	+1,292	+1,368	+1,399	+1,350	+1,385	+1,285	+1,321	+506	+515	+523	+528	+538	+545
Net change	+222	+28	-1,005	-171	+879	+764	+932	+959	+699	+748	+1,237	+1,297	+1,420	+1,511	+1,113	+1,179	+1,199	+1,142	+1,166	+1,055	+1,077	+248	+232	+220	+204	+188	+173
Crude Birth Rate /000	9.19	8.81	8.88	8.70	8.55	8.52	8.51	8.62	8.67	8.66	8.61	8.66	8.72	8.77	8.84	8.85	8.87	8.90	8.91	8.92	8.92	8.96	8.90	8.84	8.78	8.72	8.66
Crude Death Rate /000	9.39	10.38	10.94	10.22	10.15	10.06	10.23	10.17	10.19	10.22	10.28	10.36	10.38	10.45	10.51	10.60	10.69	10.78	10.88	10.96	11.07	11.22	11.36	11.47	11.59	11.75	11.87
Crude Net Migration Rate /000	2.49	1.85	-8.32	-0.25	10.71	9.39	11.21	11.22	8.51	8.99	13.83	14.30	15.28	15.96	12.06	12.64	12.79	12.21	12.40	11.39	11.60	4.42	4.48	4.54	4.58	4.66	4.71

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,618	4,563	4,544	4,533	4,585	4,637	4,669	4,705	4,776	4,856	4,942	5,034	5,099	5,168	5,237	5,299	5,361	5,415	5,469	5,466	5,456	5,441	5,424	5,404	5,382
5-10	5,858	5,789	5,785	5,804	5,871	6,001	6,079	6,161	6,230	6,230	6,247	6,261	6,292	6,383	6,482	6,554	6,633	6,719	6,805	6,886	6,959	7,032	7,056	7,078	7,093	7,103	7,107	7,106
11-15	5,623	5,524	5,382	5,220	5,128	5,079	5,095	5,112	5,183	5,315	5,402	5,516	5,655	5,733	5,764	5,800	5,809	5,827	5,882	5,948	6,009	6,071	6,100	6,130	6,155	6,180	6,204	6,226
16-17	2,380	2,373	2,406	2,314	2,220	2,207	2,204	2,140	2,096	2,070	2,100	2,180	2,195	2,214	2,321	2,377	2,411	2,454	2,430	2,413	2,433	2,458	2,464	2,471	2,486	2,502	2,512	2,520
18-59Female, 64Male	54,561	54,281	53,653	52,495	51,935	52,186	52,296	52,571	52,770	52,855	52,921	53,101	53,231	53,676	54,172	54,627	54,832	55,136	55,420	55,652	55,862	56,112	56,334	56,019	55,838	55,680	55,539	55,456	55,428
60/65 -74	15,120	15,396	15,911	16,225	16,524	16,765	17,007	17,187	17,331	17,262	17,257	17,373	17,083	16,968	17,085	17,202	17,479	17,783	18,146	18,565	18,894	19,191	19,486	19,557	19,637	19,704	19,633	19,452
75-84	6,461	6,602	6,775	6,993	7,184	7,420	7,606	7,856	8,213	8,605	8,959	9,293	9,981	10,522	10,918	11,271	11,480	11,637	11,722	11,724	11,682	11,726	11,432	11,324	11,298	11,291	11,475	11,722
85+	2,384	2,535	2,586	2,562	2,638	2,740	2,887	3,026	3,137	3,289	3,451	3,650	3,838	4,064	4,278	4,484	4,683	4,922	5,205	5,547	5,858	6,158	6,664	7,066	7,348	7,600	7,740	7,867
Total	96,987	97,209	97,237	96,232	96,062	96,941	97,705	98,638	99,596	100,295	101,043	102,280	103,577	104,997	106,508	107,621	108,799	109,999	111,140	112,306	113,361	114,439	114,686	114,918	115,138	115,342	115,530	115,704
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	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	0.31
65+ / 16-65	0.33	0.34	0.36	0.38	0.40	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.65	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.86	0.87	0.88	0.89
Median age males	44.3	44.7	45.3	45.8	46.3	46.5	46.8	47.1	47.4	47.6	47.8	47.8	47.8	47.6	47.3	47.1	46.9	46.8	46.7	46.5	46.4	46.3	46.4	46.4	46.5	46.6	46.8	46.9
Median age females	46.0	46.5	46.9	47.5	48.0	48.3	48.6	48.9	49.2	49.5	49.7	49.9	50.0	50.0	49.9	49.9	49.8	49.7	49.5	49.4	49.3	49.3	49.3	49.4	49.5	49.6	49.6	49.7
Sex ratio males /100 females	96.8	96.9	96.8	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2
Population impact of constraint																												
Number of persons		+151	+28	-1,041	-265	+772	+618	+777	+775	+490	+517	+994	+1,047	+1,170	+1,265	+852	+920	+954	+889	+917	+805	+825						
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,184	47,838	48,139	48,391	48,642	48,892	49,142	49,391	49,691	49,991	50,291	50,591	50,891	51,191	51,491	51,791	52,091	52,391	52,691	52,532	52,399	52,270	52,167	52,081	52,022
Change in Labour Force over previous year		-129	-1,308	-847	-347	+302	+251	+251	+250	+250	+249	+300	+300	+300	+300	+300	+300	+300	+300	+300	+300	+300	-160	-132	-129	-103	-86	-59
Number of supply units	37,178	36,965	36,764	36,477	36,709	36,940	37,171	37,403	37,634	37,866	38,097	38,328	38,560	38,791	39,023	39,254	39,485	39,717	39,948	40,180	40,411	40,642	40,519	40,417	40,317	40,238	40,172	40,126
Change in over previous year		-214	-201	-287	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	-123	-102	-100	-79	-66	-45
Households																												
Number of Households			41,968	41,752	41,828	42,258	42,686	43,128	43,576	43,944	44,341	44,911	45,492	46,122	46,786	47,318	47,889	48,474	49,011	49,568	50,084	50,587	50,796	50,986	51,164	51,329	51,488	51,619
Change in Households over previous year				-216	+76	+431	+427	+442	+450	+366	+397	+570	+582	+630	+664	+533	+571	+585	+537	+557	+516	+503	+209	+190	+177	+165	+159	+131
Number of supply units			43,725	43,500	43,579	44,028	44,473	44,934	45,403	45,784	46,198	46,792	47,398	48,054	48,746	49,300	49,895	50,504	51,064	51,644	52,182	52,706	52,924	53,122	53,307	53,479	53,645	53,781
Change in over previous year				-225	+79	+449	+445	+461	+469	+381	+414	+594	+606	+656	+692	+555	+594	+610	+559	+580	+538	+524	+218	+198	+185	+172	+166	+136

Population Estimates and Forecasts

Scenario Ga: Staffordshire Moorlands OE Policy On + 5% Red in Commuting

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	440	429	422	424	425	432	436	437	437	443	450	457	464	468	473	478	482	486	490	493	492	490	488	486	484
Female	435	418	419	408	402	403	404	412	416	416	416	422	428	435	442	446	450	455	459	463	466	470	468	466	465	463	461
All Births	892	857	859	837	825	827	829	844	852	853	853	864	878	892	907	914	923	933	942	950	956	963	960	956	953	949	945
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	480	479	476	488	493	499	503	510	522	532	543	554	564	576	587	597	608	619	631	641	650	657	667	675
Female	478	532	552	503	500	502	514	513	515	521	529	537	543	553	562	572	581	592	603	613	625	636	645	651	661	670	679
All deaths	912	1,009	1,058	983	979	979	1,002	1,005	1,015	1,024	1,039	1,060	1,075	1,096	1,116	1,136	1,158	1,179	1,201	1,221	1,243	1,267	1,286	1,301	1,318	1,337	1,354
SMR: males	96.7	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	100.8	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	98.8	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	79.5	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	82.6	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	83.2	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	81.5	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	1,604	1,780	1,466	1,657	1,885	1,837	1,880	1,884	1,820	1,829	1,948	1,962	1,992	2,016	1,919	1,939	1,951	1,940	1,951	1,929	1,938	1,794	1,799	1,804	1,809	1,814	1,819
Female	1,764	1,957	1,575	1,778	2,020	1,964	2,007	2,007	1,935	1,942	2,063	2,075	2,103	2,126	2,024	2,045	2,059	2,050	2,065	2,044	2,055	1,905	1,912	1,920	1,926	1,934	1,941
All	3,368	3,737	3,041	3,435	3,905	3,801	3,887	3,891	3,754	3,771	4,011	4,037	4,095	4,142	3,943	3,984	4,010	3,990	4,015	3,973	3,993	3,698	3,711	3,724	3,735	3,748	3,760
SMigR: males	0.0	0.1	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
SMigR: females	0.1	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	1,578	1,711	1,840	1,671	1,442	1,487	1,449	1,445	1,504	1,494	1,374	1,351	1,323	1,300	1,395	1,378	1,377	1,389	1,387	1,414	1,403	1,553	1,554	1,556	1,558	1,559	1,561
Female	1,759	1,897	2,027	1,810	1,562	1,610	1,541	1,542	1,606	1,580	1,444	1,431	1,401	1,382	1,478	1,463	1,462	1,480	1,475	1,506	1,501	1,660	1,664	1,667	1,670	1,672	1,675
All	3,337	3,608	3,867	3,480	3,004	3,097	2,991	2,987	3,110	3,074	2,818	2,781	2,724	2,682	2,873	2,841	2,839	2,868	2,861	2,920	2,905	3,213	3,217	3,222	3,228	3,231	3,236
SMigR: males	35.1	38.2	41.5	38.3	33.3	34.1	33.0	32.7	33.8	33.5	30.7	29.9	29.0	28.1	29.8	29.2	28.9	28.8	28.5	28.7	28.3	31.0	31.0	31.1	31.1	31.2	31.2
SMigR: females	39.1	42.3	45.3	41.6	36.3	37.1	35.5	35.3	36.5	35.9	32.8	32.1	31.1	30.2	31.8	31.2	30.8	30.8	30.4	30.7	30.4	33.3	33.4	33.6	33.7	33.8	33.9
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	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	427	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	768	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	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	282	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	557	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	111.3	151.0	23.3	23.8	24.1	23.9	23.9	23.7	23.6	23.6	23.6	23.4	23.1	22.9	22.6	22.4	22.3	22.0	21.8	21.6	21.4	21.3	21.3	21.3	21.4	21.4	21.4
SMigR: females	148.7	160.9	23.2	24.0	24.4	24.2	24.2	24.0	23.9	24.0	24.0	23.7	23.5	23.2	22.8	22.7	22.5	22.3	22.1	21.9	21.7	21.6	21.7	21.8	21.9	22.0	22.1
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	-826	-46	+901	+704	+896	+904	+645	+697	+1,193	+1,255	+1,371	+1,460	+1,070	+1,143	+1,171	+1,122	+1,154	+1,053	+1,088	+485	+494	+502	+507	+517	+524
Overseas	+211	+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	-20	-152	-200	-146	-154	-151	-173	-161	-162	-172	-187	-195	-197	-204	-209	-222	-235	-246	-259	-272	-287	-303	-326	-345	-365	-388	-408
Net migration	+242	+180	-805	-24	+922	+731	+919	+928	+666	+718	+1,214	+1,276	+1,392	+1,481	+1,091	+1,164	+1,192	+1,142	+1,175	+1,074	+1,109	+506	+515	+523	+528	+538	+545
Net change	+222	+28	-1,005	-171	+768	+580	+746	+767	+503	+546	+1,027	+1,081	+1,195	+1,277	+881	+941	+957	+896	+916	+803	+822	+203	+188	+177	+163	+150	+137
Crude Birth Rate /000	9.19	8.81	8.88	8.70	8.55	8.52	8.48	8.57	8.59	8.55	8.49	8.51	8.55	8.58	8.64	8.63	8.64	8.66	8.66	8.67	8.66	8.69	8.64	8.59	8.55	8.51	8.46
Crude Death Rate /000	9.39	10.38	10.94	10.22	10.15	10.08	10.25	10.20	10.23	10.28	10.34	10.44	10.47	10.55	10.63	10.73	10.83	10.94	11.05	11.15	11.27	11.43	11.58	11.70	11.83	11.99	12.12
Crude Net Migration Rate /000	2.49	1.85	-8.32	-0.25	9.56	7.53	9.40	9.42	6.71	7.20	12.08	12.57	13.56	14.25	10.39	10.99	11.15	10.60	10.81	9.80	10.05	4.56	4.63	4.70	4.74	4.82	4.87

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,618	4,563	4,536	4,510	4,546	4,581	4,594	4,610	4,660	4,719	4,782	4,853	4,897	4,945	4,994	5,037	5,081	5,117	5,154	5,149	5,140	5,129	5,116	5,103	5,089
5-10	5,858	5,789	5,785	5,804	5,871	5,994	6,061	6,131	6,186	6,172	6,174	6,170	6,182	6,252	6,327	6,376	6,430	6,490	6,549	6,604	6,652	6,699	6,712	6,723	6,730	6,732	6,732	6,729
11-15	5,623	5,524	5,382	5,220	5,128	5,074	5,083	5,093	5,155	5,279	5,356	5,459	5,588	5,653	5,672	5,694	5,689	5,693	5,730	5,778	5,818	5,860	5,876	5,893	5,907	5,919	5,932	5,944
16-17	2,380	2,373	2,406	2,314	2,220	2,205	2,200	2,133	2,086	2,057	2,084	2,160	2,172	2,187	2,289	2,341	2,370	2,407	2,378	2,356	2,371	2,390	2,391	2,394	2,404	2,416	2,421	2,423
18-59Female, 64Male	54,561	54,281	53,653	52,495	51,935	52,107	52,087	52,234	52,303	52,259	52,194	52,371	52,681	53,039	53,352	53,421	53,585	53,727	53,818	53,886	53,992	54,068	53,751	53,563	53,399	53,248	53,154	53,112
60/65 -74	15,120	15,396	15,911	16,225	16,524	16,759	16,991	17,159	17,292	17,211	17,194	17,296	16,993	16,863	16,963	17,062	17,320	17,604	17,944	18,340	18,646	18,918	19,201	19,262	19,332	19,390	19,311	19,124
75-84	6,461	6,602	6,775	6,993	7,184	7,417	7,598	7,844	8,195	8,582	8,930	9,258	9,938	10,471	10,858	11,203	11,404	11,552	11,629	11,622	11,572	11,607	11,313	11,204	11,176	11,166	11,344	11,583
85+	2,384	2,535	2,586	2,562	2,638	2,738	2,880	3,016	3,123	3,271	3,429	3,623	3,807	4,028	4,236	4,438	4,631	4,864	5,142	5,476	5,779	6,072	6,575	6,977	7,259	7,511	7,651	7,780
Total	96,987	97,209	97,237	96,232	96,062	96,830	97,409	98,155	98,922	99,425	99,971	100,998	102,079	103,274	104,551	105,433	106,374	107,331	108,227	109,143	109,946	110,767	110,970	111,158	111,335	111,498	111,648	111,785
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	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
65+ / 16-65	0.33	0.34	0.36	0.38	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	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	0.60
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.65	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.78	0.79	0.80	0.82	0.83	0.84	0.85	0.87	0.88	0.89	0.90
Median age males	44.3	44.7	45.3	45.8	46.3	46.6	46.9	47.2	47.5	47.8	48.0	48.1	48.1	48.0	47.8	47.6	47.4	47.3	47.2	47.1	47.1	47.0	47.0	47.1	47.1	47.2	47.3	47.4
Median age females	46.0	46.5	46.9	47.5	48.0	48.3	48.7	49.0	49.3	49.7	49.9	50.2	50.3	50.4	50.4	50.4	50.4	50.3	50.2	50.1	50.0	50.0	50.1	50.2	50.3	50.3	50.4	50.5
Sex ratio males /100 females	96.8	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	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2
Population impact of constraint																												
Number of persons		+151	+28	-1,041	-265	+661	+435	+595	+591	+306	+330	+802	+851	+969	+1,059	+651	+715	+747	+681	+706	+595	+613						
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,184	47,838	48,073	48,214	48,354	48,491	48,627	48,762	48,945	49,127	49,307	49,486	49,664	49,840	50,015	50,189	50,361	50,532	50,701	50,528	50,385	50,246	50,133	50,036	49,964
Change in Labour Force over previous year		-129	-1,308	-847	-347	+236	+141	+139	+138	+136	+134	+183	+182	+180	+179	+178	+176	+175	+174	+172	+171	+169	-174	-142	-139	-113	-97	-72
Number of supply units	37,178	36,965	36,764	36,477	36,709	36,940	37,171	37,403	37,634	37,866	38,097	38,328	38,560	38,791	39,023	39,254	39,485	39,717	39,948	40,180	40,411	40,642	40,599	40,581	40,566	40,571	40,589	40,530
Change in over previous year		-214	-201	-287	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	+231	-43	-18	-16	+5	+18	-58
Households																												
Number of Households			41,968	41,752	41,828	42,221	42,586	42,965	43,348	43,646	43,973	44,469	44,973	45,522	46,101	46,550	47,034	47,530	47,976	48,441	48,864	49,272	49,458	49,627	49,784	49,930	50,070	50,182
Change in Households over previous year				-216	+76	+394	+365	+378	+384	+298	+326	+496	+504	+549	+580	+449	+484	+496	+447	+465	+423	+408	+186	+169	+157	+146	+140	+112
Number of supply units			43,725	43,500	43,579	43,990	44,370	44,764	45,164	45,475	45,814	46,331	46,856	47,428	48,032	48,500	49,004	49,520	49,986	50,470	50,910	51,335	51,529	51,705	51,869	52,021	52,167	52,284
Change in over previous year				-225	+79	+410	+380	+394	+400	+311	+340	+517	+525	+572	+604	+468	+504	+517	+465	+484	+440	+425	+194	+176	+164	+152	+146	+117

Population Estimates and Forecasts

Scenario H: Staffordshire Moorlands Job Stabilisation

Components of Population Change

Year beginning July 1st .....

	2010-11	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	457	439	440	436	424	421	418	422	423	419	416	418	422	426	430	431	433	436	438	441	442	445	447	450	452	455	457
Female	435	418	419	415	404	401	398	402	403	399	396	398	402	406	410	411	413	415	418	420	421	423	426	428	431	433	435
All Births	892	857	859	851	827	822	817	824	826	819	812	817	824	832	840	842	846	852	856	861	864	868	873	878	883	888	891
TFR	1.84	1.78	1.81	1.82	1.82	1.80	1.80	1.81	1.80	1.80	1.79	1.79	1.79	1.79	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.79	1.79	1.79	1.79
Births input	*	*																									
Deaths																											
Male	434	477	506	481	479	476	487	491	496	500	507	518	527	537	547	556	568	577	587	598	607	619	630	639	646	656	664
Female	478	532	552	506	500	501	512	509	512	516	523	531	536	545	553	562	571	581	591	600	611	621	632	639	650	661	670
All deaths	912	1,009	1,058	987	979	977	999	1,000	1,008	1,016	1,030	1,048	1,063	1,082	1,100	1,119	1,139	1,158	1,178	1,197	1,218	1,239	1,261	1,278	1,296	1,317	1,334
SMR: males	96.7	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	100.8	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	98.8	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	79.5	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	83.2	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	81.5	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	1,604	1,780	1,620	1,526	1,793	1,763	1,806	1,810	1,746	1,757	1,875	1,889	1,918	1,941	1,848	1,868	1,881	1,871	1,882	1,861	1,872	1,879	1,864	1,867	1,861	1,861	1,856
Female	1,764	1,957	1,740	1,637	1,921	1,885	1,928	1,929	1,857	1,865	1,986	1,998	2,026	2,048	1,949	1,970	1,985	1,977	1,992	1,973	1,985	1,996	1,981	1,988	1,982	1,984	1,981
All	3,368	3,737	3,360	3,162	3,714	3,648	3,734	3,739	3,604	3,623	3,861	3,887	3,944	3,989	3,798	3,839	3,866	3,848	3,874	3,834	3,857	3,875	3,845	3,854	3,843	3,844	3,837
SMigR: males	0.0	0.1	0.0	0.0	0.1	0.1	0.1	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	0.0	0.0
SMigR: females	0.1	0.1	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
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to the UK																											
Male	1,578	1,711	1,688	1,801	1,534	1,560	1,523	1,519	1,577	1,567	1,447	1,424	1,396	1,374	1,465	1,448	1,447	1,458	1,455	1,481	1,469	1,468	1,489	1,493	1,506	1,512	1,524
Female	1,759	1,897	1,859	1,951	1,661	1,689	1,620	1,620	1,684	1,656	1,521	1,508	1,479	1,461	1,553	1,538	1,537	1,553	1,548	1,577	1,572	1,569	1,595	1,599	1,614	1,622	1,636
All	3,337	3,608	3,547	3,753	3,195	3,249	3,143	3,139	3,261	3,223	2,968	2,931	2,875	2,835	3,018	2,986	2,983	3,011	3,003	3,058	3,041	3,037	3,084	3,092	3,120	3,134	3,160
SMigR: males	35.1	38.2	38.1	40.9	35.4	35.9	35.0	34.9	36.1	36.0	33.3	32.6	31.7	31.0	32.7	32.2	31.9	31.9	31.6	32.0	31.5	31.3	31.6	31.5	31.7	31.7	31.9
SMigR: females	39.1	42.3	41.6	44.3	38.5	39.2	37.8	37.7	39.2	38.8	35.8	35.2	34.2	33.4	35.1	34.6	34.3	34.4	34.0	34.4	34.1	33.8	34.2	34.2	34.3	34.4	34.6
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
In-migration from Overseas																											
Male	341	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	427	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	768	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	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	0.0
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Out-migration to Overseas																											
Male	275	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	282	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	557	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	111.3	151.0	23.3	23.6	24.1	24.1	24.1	24.1	24.1	24.2	24.3	24.2	24.1	23.9	23.7	23.7	23.6	23.4	23.3	23.1	23.0	22.9	22.7	22.7	22.6	22.5	22.5
SMigR: females	148.7	160.9	23.2	23.7	24.4	24.4	24.5	24.6	24.6	24.8	25.0	24.9	24.8	24.5	24.3	24.2	24.1	24.0	23.9	23.7	23.6	23.5	23.4	23.3	23.3	23.2	23.2
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Migration - Net Flows																											
UK	+31	+129	-187	-591	+519	+399	+590	+599	+343	+400	+894	+955	+1,069	+1,154	+780	+853	+883	+837	+871	+776	+816	+837	+761	+762	+724	+711	+677
Overseas	+211	+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	-20	-152	-200	-136	-152	-155	-182	-176	-182	-197	-218	-232	-239	-250	-260	-277	-293	-307	-322	-337	-354	-371	-388	-400	-413	-429	-443
Net migration	+242	+180	-166	-569	+540	+426	+613	+623	+364	+421	+914	+976	+1,090	+1,175	+800	+873	+904	+858	+892	+797	+837	+858	+782	+783	+744	+732	+698
Net change	+222	+28	-366	-705	+388	+271	+431	+447	+181	+223	+697	+744	+851	+925	+541	+597	+611	+551	+570	+460	+483	+487	+394	+383	+332	+302	+255
Crude Birth Rate /000	9.19	8.81	8.85	8.81	8.59	8.50	8.42	8.46	8.44	8.36	8.25	8.24	8.24	8.25	8.27	8.24	8.23	8.24	8.24	8.24	8.23	8.24	8.25	8.27	8.29	8.30	8.32
Crude Death Rate /000	9.39	10.38	10.90	10.22	10.16	10.10	10.29	10.26	10.31	10.37	10.46	10.57	10.63	10.73	10.83	10.95	11.08	11.21	11.34	11.46	11.61	11.76	11.92	12.03	12.16	12.32	12.45
Crude Net Migration Rate /000	2.49	1.85	-1.71	-5.90	5.60	4.41	6.32	6.39	3.72	4.29	9.29	9.84	10.90	11.85	7.88	8.55	8.79	8.30	8.59	7.63	7.98	8.15	7.39	7.37	6.99	6.84	6.51

Summary of Population estimates/forecasts

Population at mid-year

	2010	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	4,600	4,709	4,739	4,665	4,576	4,521	4,469	4,478	4,482	4,462	4,443	4,460	4,484	4,513	4,550	4,563	4,581	4,602	4,619	4,638	4,653	4,670	4,691	4,708	4,726	4,745	4,765	4,783
5-10	5,858	5,789	5,785	5,841	5,878	5,980	6,029	6,078	6,111	6,074	6,051	6,018	5,999	6,033	6,072	6,081	6,095	6,115	6,135	6,153	6,163	6,176	6,193	6,205	6,218	6,229	6,240	6,252
11-15	5,623	5,524	5,382	5,246	5,133	5,063	5,059	5,057	5,106	5,215	5,277	5,365	5,476	5,523	5,523	5,526	5,500	5,479	5,490	5,508	5,517	5,526	5,538	5,547	5,553	5,556	5,560	5,564
16-17	2,380	2,373	2,406	2,325	2,220	2,201	2,192	2,120	2,068	2,034	2,056	2,126	2,132	2,142	2,237	2,282	2,304	2,334	2,298	2,268	2,276	2,285	2,284	2,284	2,290	2,297	2,297	2,295
18-59Female, 64Male	54,561	54,281	53,653	52,950	52,004	51,904	51,668	51,598	51,452	51,198	50,925	50,894	50,997	51,146	51,250	51,121	51,088	51,034	50,933	50,809	50,726	50,615	50,530	50,514	50,513	50,493	50,512	50,549
60/65 -74	15,120	15,396	15,911	16,259	16,531	16,744	16,959	17,110	17,224	17,122	17,085	17,166	16,839	16,688	16,763	16,836	17,064	17,316	17,624	17,986	18,258	18,497	18,783	18,846	18,918	18,977	18,900	18,717
75-84	6,461	6,602	6,775	7,009	7,186	7,409	7,582	7,820	8,163	8,541	8,880	9,198	9,867	10,386	10,761	11,094	11,282	11,418	11,483	11,464	11,402	11,424	11,145	11,045	11,020	11,011	11,187	11,419
85+	2,384	2,535	2,586	2,575	2,639	2,730	2,867	2,996	3,097	3,239	3,390	3,577	3,754	3,968	4,169	4,364	4,550	4,775	5,044	5,368	5,662	5,944	6,460	6,871	7,164	7,425	7,575	7,711
Total	96,987	97,209	97,237	96,871	96,166	96,554	96,825	97,256	97,703	97,884	98,108	98,805	99,549	100,400	101,325	101,866	102,463	103,073	103,625	104,195	104,655	105,138	105,625	106,019	106,402	106,734	107,036	107,291
Dependency ratios, mean age and sex ratio																												
0-15 / 16-65	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30
65+ / 16-65	0.33	0.34	0.36	0.38	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.52	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62
0-15 and 65+ / 16-65	0.59	0.60	0.63	0.65	0.67	0.68	0.69	0.70	0.72	0.73	0.74	0.75	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.91
Median age males	44.3	44.7	45.3	45.7	46.3	46.6	47.0	47.3	47.7	48.1	48.4	48.5	48.6	48.6	48.5	48.5	48.3	48.2	48.2	48.1	48.1	48.1	48.0	48.0	48.0	47.9	48.0	48.0
Median age females	46.0	46.5	46.9	47.4	48.0	48.4	48.8	49.1	49.5	50.0	50.3	50.6	50.8	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4
Sex ratio males /100 females	96.8	96.9	96.8	97.0	97.1	97.2	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.2
Population impact of constraint																												
Number of persons		+151	+28	-403	-809	+278	+130	+289	+286	+4	+33	+502	+551	+667	+753	+361	+425	+458	+397	+424	+317	+340	+352	+267	+260	+217	+194	+153
Labour Force																												
Number of Labour Force	50,469	50,340	49,032	48,563	47,910	47,910	47,860	47,811	47,761	47,712	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663	47,663
Change in Labour Force over previous year		-129	-1,308	-469	-654	+0	-50	-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	37,178	36,965	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764	36,764
Change in over previous year		-214	-201	0	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			41,968	41,962	41,867	42,132	42,392	42,661	42,934	43,122	43,333	43,710	44,093	44,518	44,972	45,296	45,652	46,020	46,340	46,677	46,971	47,252	47,525	47,760	47,984	48,183	48,371	48,519
Change in Households over previous year				-5	-95	+265	+260	+269	+273	+188	+210	+377	+383	+425	+454	+324	+357	+368	+320	+337	+294	+281	+273	+235	+224	+200	+188	+149
Number of supply units			43,725	43,720	43,621	43,897	44,167	44,448	44,732	44,928	45,147	45,541	45,940	46,382	46,855	47,193	47,564	47,947	48,280	48,632	48,938	49,231	49,516	49,760	49,993	50,201	50,397	50,552
Change in over previous year				-5	-99	+276	+271	+280	+285	+196	+219	+393	+399	+443	+473	+337	+372	+383	+333	+351	+307	+293	+285	+245	+233	+208	+196	+155