

High Peak Housing Needs Study 2012based SNHP Update

High Peak Borough Council May 2015

41306/03/MW/BOC

Nathaniel Lichfield & Partners 3rd Floor One St James's Square Manchester M2 6DN

nlpplanning.com

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Registered Office:
14 Regent's Wharf
All Saints Street
London N1 9RL

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# 1.0 Introduction

# **Background to the Study**

- 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 (Examination in Public Document Reference: MM4). 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
  required through the development plan preparation process.
- 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 28<sup>th</sup> May 2014. The latest projections were based on the 2012 mid-year population estimates and a set of underlying demographic assumptions regarding fertility, mortality and migration, based on local trends.
- NLP analysed this updated data and prepared the Housing Needs Study 2012based SNPP Update, which was issued to both Councils in August 2014 (Examination in Public Document Reference: MM5).
- The 2012-based Sub-National Household Projections [SNHP] were released on 27<sup>th</sup> February 2015 and supersede the 2011-based (Interim) SNHP. The 2012-based SNHP incorporate the ONS 2012-based SNPP and further information from the Census 2011 where available.
- The latest SNHP were released following HPBC's Local Plan examination hearing sessions which started on Tuesday 13<sup>th</sup> January 2015 and closed on 5<sup>th</sup> February 2015. Following additional work undertaken by the Council on housing land supply as a result of discussions that took place at the hearing sessions, the Inspector wrote a letter to the Council on 4<sup>th</sup> March 2015. In his letter, the Inspector commented that: "The projections are the starting point estimate of overall housing need. The process that I set out at the hearings for dealing with the 2012-based SNHP was as follows:
  - 1 The Council should consider what implications, of any, the projections have for its assessment of objectively assessed housing needs. At the hearings you indicated that you would ask your consultants, Nathaniel Lichfield and Partners, to undertake this work in the first instance.
  - The Council should then consider what implications, if any, this would have for the Local Plan and whether in its view any main modifications would be required as a result.
  - 3 The views of consultees should be sought in the Council's conclusions.

4 Depending on the nature of your conclusions and the response to them, it may be necessary to hold a further hearing.

...The National Planning Policy Framework prescribes a 2-stage process, confirmed in case law, by which the amount of development to be provided for in a local plan is established. The first stage is identifying the full objectively assessed needs. In this context, I do not intend to consider other aspects of the plan, including the Council's case for not meeting housing needs, until the assessment of any implications of the 2012-based SNHP has been undertaken. Nevertheless, the Council should conclude Issue 3 of its suggested main modifications in the light of the discussions at the hearing".

# **High Peak Local Plan**

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The High Peak Local Plan [HPLP] covers the period between 2011 and 2031. Policy S3 (Strategic Housing Development) indicates that the Council will make provision for at least 7,200 dwellings over the period 2011-2031 at an average annual development rate of 360 dwellings.

The housing requirement figure as set out in the HPLP was informed by NLP's Strategy Housing Market Assessment [SHMA] and Housing Needs Report (April 2014) and the subsequent Housing Needs Study 2012-based SNPP Update (August 2014) amongst other considerations.

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 of production. The modelling utilised the 2011-based SNPP, whilst and the headship rates were derived from the 2011-based SNHP to 2021 and indexed to the 2008-based household projections thereafter.

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 end of the range and came to the conclusion that the most appropriate housing OAN range should be 420-470 dpa.

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 data which was released subsequent to the original study, specifically the 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 would have been recommended to reflect the significant reduction in population growth in the population projections released by the ONS.

The update suggested that the OAN housing range for High Peak be modified, from 420-470 dpa down to between 280-420 dpa. This range encompassed all of the re-modelled economic-led projections and would allow the Borough to meet its demographically driven housing need in full.

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1.12 As discussed above, this note considers the full implications of the latest SNHP on the Council's housing OAN.

# Methodology behind the 2012-based SNHP

## The Methodology

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- 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.
- 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.
  - 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.
- 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.
- 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.
- 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.

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- 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. The Stage Two data has yet to be released by CLG, although even without this detailed dataset it is considered that the Stage One data is the most robust available at the time of writing.
- 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
- 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". Therefore, the new household projections represent an important milestone in providing evidence to inform objective assessments of housing need.
- 2.10 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 under-estimating 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.
  - 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

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<sup>&</sup>lt;sup>1</sup> National Planning Practice Guidance: 2a-015-20140306

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

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?

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.

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<sup>2</sup>', 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.

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. Such an approach would run counter to the stated housing priorities of all the main political parties in the run-up to the election.

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<sup>&</sup>lt;sup>2</sup> New Estimates of Housing Demand and Need in England, 2011 to 2031, Town & Country Planning Tomorrow Series Paper 16, Alan Holmans, 2013

# 2012-based SNHP for High Peak Borough

#### Introduction

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This report incorporates the new 2012-based household projections to assess the potential implications on objectively assessed housing need in High Peak Borough. 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 SNPP (May 2014). Over the 25 year period (2012-2037), the SNHP project average annual household growth in High Peak of 262. This is considerably lower than both the 2008-based and 2011-based household projections, as shown in Table 3.1.

Table 3.1 Projected Household Growth in High Peak

	2012-based Household Projections			2013-203 H'Hold		2012-202 H'hold (		
	2012	2037	2012-2037	Annual H'holds	2012- SNHP	2008- SNHP	2012- SNHP	2011- SNHP
High Peak*	39,210	45,751	6,541	262	277	400	302	395

Source: CLG 2008/2011/2012-based SNHPs.

Note: the time periods have been adapted 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.

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

#### **Household Formation**

The 2012-based SNHP were, unlike the 2008-based counterparts, based on a period where housing 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.

In terms of average household size, Figure 3.1 compares High Peak Borough's rate of change against the national average over time. Both exhibit a clear downward trend from 2011 onwards. In 2004, the national average and the High Peak average were closely aligned (2.36 and 2.35 respectively); however, over the period 2004 to 2011, High Peak's average household size declined significantly, from 2.35 to 2.30 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 High Peak's is projected to be 2.17.

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Figure 3.1 Average Household Size - National Average and High Peak Average

Source: NLP Analysis / CLG 2012-based SNHP

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The average household size as projected by the most recent household projections is shown for High Peak in Figure 3.2. The Council's housing requirement figure was informed by the April 2014 SHMA and the Housing Needs Study 2012-based SNPP Update (August 2014). The former was founded on the 2011-based SNPP for the Borough, and the headship rates contained in the 2011 (Interim) SNHP and indexed to the 2008-based SNHP post 2021. The latter study utilised the population from the 2012 SNPP, with the same approach to headship rates.

Figure 3.2 indicates that the 2008-based projections established the steepest rate of change with the 2011-based projections being by far the most pessimistic. The latest 2012 SNHP fall between the two earlier projections, although they are more closely aligned to the 2008-based projections.

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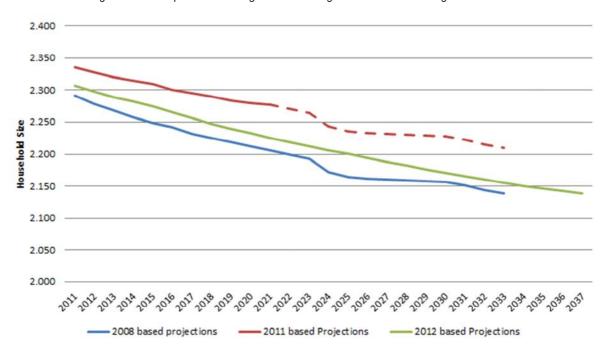


Figure 3.2 Comparison of Changes to the Average Household Size in High Peak

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

Note 1: The 2011-based Projections have been linked to the 2008-based projections post 2021. This is

represented by the dashed line.

Note 2: On the 2008-based SNHP line, the projection between 2025 and 2029 has been smoothened to

reduce anomalies

## **Population**

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The total population growth for High Peak Borough as projected in the 2008, 2011 and 2012 SNPPs, is shown in Figure 3.3. This helps to explain the significant deviation between the most recent 2012-based SNHPs for High Peak and previous versions.

The 2008-based SNPP indicates steady population growth across the Borough from 92,100 in 2008 to 106,300 in 2033, an annual average increase of 568 persons. The 2011 projections grow at a significantly steeper rate (+680 p.a.). If they were trended forward they would meet the 2008 projections by 2033 despite starting from a lower base in 2011 (91,000 compared to 93,500).

The latest 2012-based SNPP is at variance with the past projections and suggest that High Peak's population will grow at a much slower rate of 336 per annum between 2012 and 2037. Compared to the 2008-based SNPP, the 2012 SNPP indicate that by 2033 there would be 7,700 fewer people living in High Peak Borough. 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 SNHP is significantly lower.

Similarly, when compared to the 2011-based (Interim) SNPP, the 2012-based SNPP is 3,300 lower by 2021. Despite the higher household representation

rates in the 2012 SNHP than the 2011 equivalent, this is not enough to generate a higher level of household growth.

110000 105000 7,700 100000 Population 3,300 95000 90000 85000 2018 2025 2026 2027 2028 2029 2031 2032 2034 2034 2035 2036 2036 2037 2013 2016 2019 2015 2017 2020 2021 2022 2023 2024 2008 Pop Proi 2011 Pop Proj - 2012 Pop Proi

Figure 3.3 Future Population Growth in High Peak Borough

Source: ONS 2008/2011/2012 based SNPPs

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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 tends to decline substantially as the head of the household ages.

The population age/sex structure of High Peak Borough 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 High Peak's residents aged over 70 (both male and female) over the period to 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 almost doubles over the same time period.

In direct contrast, the percentage of males and females between the ages of 40 and 55 declines by 2,510 (22%) and 3,025 (25%) respectively. 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.

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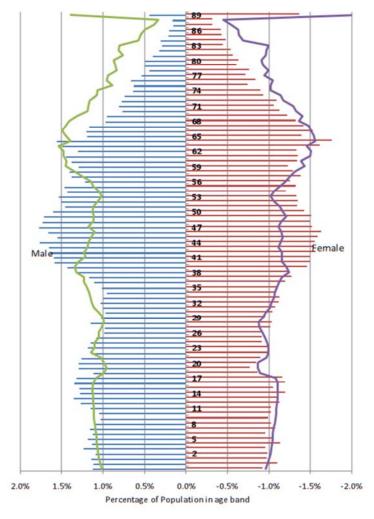


Figure 3.4 Population Age/Sex Structure in High Peak, 2012-2031 (as projected in the 2012 SNPP)

Source: ONS 2012-based SNPP

Note: Outline shows population structure by the year 2031; bars relate to 2012

# **Components of Change**

An analysis of the four most recent comparable SNPPs for High Peak Borough (Table 3.2) illustrates the differences in the components of change, underpinning the population projections. This is in addition to the considerable differences in the level of population growth illustrated in Figure 3.3.

Table 3.2 High Peak Borough Population Projections: Components of Change

Annual Average Change	2008-Based SNPP	2010-Based SNPP	2011-Based SNPP (Interim)	2012-Based SNPP
Births	1,000	1,000	1,000	1,000
Deaths	811	800	777	777
Natural Change	189	200	233	233
Domestic Migration In	4,022	3,888	3,888	3,444
Domestic Migration Out	3,400	3,444	3,333	3,333
International Migration In	300	333	333	222
International Migration Out	400	222	333	222
Net Annual Average	+711	+755	+788	+344

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

Natural change is relatively consistent across all four population projections with births staying consistent at 1,000 annually across all of the projections. Deaths per annum declined slightly in the 2011 and 2012 based SNPPs when compared with the 2008 and 2010 projections. However, the total decline between the projections is only 23 deaths per annum.

The key difference in the projections relates to net migration. Whilst international migration is neutral under the 2012-SNPP (in common with the 2011 SNPP), and whilst domestic out-migration is also similar, the level of domestic in-migration is much lower. This ranges from -444 lower annually than the 2010/2011 iteration, to 578 lower than the 2008 SNPP.

Comparing the migration estimates from the historic SNPPs is highly problematic, as the methodology altered significantly over time. For example:

- 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;
- The 2010-based SNPP used a different methodology for the distribution of international in-migrants, which in turn affected estimates of outmigrants, and also improvements to internal migration of students; and,
- 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<sup>3</sup>.

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<sup>4</sup> suggests that the level of internal migration within the UK and net international migration into the UK

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<sup>&</sup>lt;sup>3</sup> ONS SNPP Quality and Methodology Information 25<sup>th</sup> September 2012

<sup>&</sup>lt;sup>4</sup> ONS (July 2011): News Release: New Evidence shows how the recession is hitting UK households

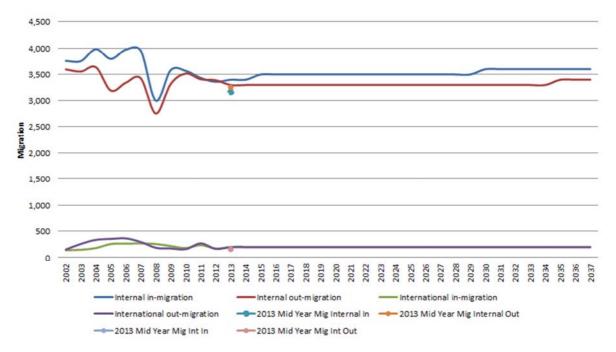
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reduced during the recession, and it is possible that this trend-based evidence may have supressed future estimates of migration to/from the Borough.

Figure 3.5 presents historic migration flows (internal and international) into and out of the authority as well as the projected scale of movement outlined in the 2012 SNPP. The figure illustrates that the recession may have impacted on migration flows into and out of High Peak, with both declining sharply at the peak of the recession. Following the recession, in-migration and out-migration became closely aligned in 2012, before diverging thereafter. The figure lends weight to the need to model the average past migration trends over the longer term.

Figure 3.5 Historic and Projected Migration Flows - High Peak



Source: ONS 2012-based SNPP (Components of Change) & 2013 Mid-Year Population Estimates

The 2013 Mid-Year Population Estimates were released in June 2014 and the associated migration figures are presented in Figure 3.5. For consistency of approach NLP has modelled the short term and long term migration scenarios using the same figures as were used in the previous modelling exercises (which did not use the 2013 MYE as they were not available at the time). The latest 2013 migration figures are below those underpinning the 2012-based SNPP and past estimates; if they were incorporated in the short and long term migration scenarios it is likely that they would generate a lower housing need figure.

# 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 Borough, the following scenarios were re-modelled to take into account the latest 2012-based SNHP data:

### **Demographic-led Projections:**

a **Updated PopGroup Baseline:** This scenario represents a projection of the demographic shift based on current factors and recent trends in High Peak Borough fixing 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:**

- 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<sup>5</sup> will have made up around half of the difference between the 2012 and 2008-based SNHP headship rates;
- 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 Borough);
- d **Short Term Migration Trends -** based on average gross flows of internal and international migration in High Peak over the five year period 2007/08 to 2011/12 as taken from the ONS Mid-Year Estimate Series, assuming High Peak will continue to see migration at a level in line with recent trends;
- e **Long Term Migration Trends** as above, but using a ten year migration average, from 2001/02 to 2011/12, assuming High Peak will continue to see migration in line with levels achieved 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

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 $<sup>^{\</sup>rm 5}$  As defined by males and females in the age groups 15-19, 20-24, 25-29 and 30-34.

provides potential unconstrained employment growth in High Peak (-309 jobs 2012-2031) over the Plan period;

- Oxford Economics Job Growth + 5% Reduction in Out-Commuting This scenario applies the above job growth assumption (-309 jobs 2012-2031) whilst factoring in a 5% reduction in out-commuting over the plan period;
- 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 High Peak of 469 jobs over the course of the plan period.
  - Policy On Job Growth Target + 5% Reduction in Out-Commuting This scenario applies the above job growth assumption (+469 jobs) whilst factoring in a 5% reduction in outcommuting over the plan period.
- h **Job Stabilisation** taking forward a net total of zero job growth over the period 2012-31 for the Borough.

## **Reality Checks**

- 4.2 **Average Past Delivery** Using past delivery trends to illustrate what the market has previously delivered and project these forward over the Plan periods (283 dpa for High Peak).
- 4.3 **SHMA Need:** The High Peak SHMA (2014) identified a critical need for 878 (net) affordable housing dwellings annually over the next five years in the Borough. At a typical rate of around 30% of total housing provision, this would lead to a need of around 2,927dpa.

# Scenarios - Assumptions and Approach

- 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 High Peak. These cover a 25-year period to 2037 and the sensitivity scenario is as described, taking into account the 2008-based SNHP.
- In High Peak (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 4.15% is applied in all scenarios from 2012 onwards (this is the average rate for 2012, 2013 and 2014, obtained from the Council Tax Base for Formula Grant Purposes for those years).
- e In order to calculate **unemployment** rates, the figures for 2012 (7.5%) and 2013 (5.9%) (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 longer term average (2004-2013) of 5.35% 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 basis for this is the ONS 2006-based Labour Force Projections. The annual growth rates for these projections are re-based to the 2011 Census, and also take into account the 2012 Annual Population Survey. These are assumed to remain constant beyond the end year of the 2006-based labour force projections; however, they have been adjusted to take account of changing pension ages (beyond that already taken into account in the projections, i.e. to account for pension age increases for both men and women above age 65).
- 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. The 2011 Census identified the commuting rate in High Peak Borough of 1.40 (i.e. High Peak is an area of net out-commuting).
- 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 Appendices 2 and 3.

# **Modelling Results**

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# **Demographic-led Scenarios**

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

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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)

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 in 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 High Peak is projected to increase by 6,911 to 2031. The population growth arises primarily due to in-migration to High Peak Borough which accounts for over 70% of the increase (4,921 by 2031). Natural change (arising from excess births over deaths) is positive to 2029, before becoming negative towards the latter years of the plan period.

Using 2012-based SNHP headship rates, there will therefore be a total dwelling need of 5,615 between 2012 and 2031, equivalent to **296 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 75 in High Peak Borough will almost double by 2031. The oldest age groups (75-84 and 85+) would see the most substantial increases, of 78.8% and 114.8% respectively.

Despite the population growth, the ageing profile of this population indicates a reduction in the labour force, with the working age population declining by 4% by 2031. Taking into account overall economic activity of individual age groups, this scenario indicates that the number of jobs would decline by 581 over the period to 2031.

The key outputs for this scenario are summarised in Table 4.1; a comparison is provided with the previous 2014 HNS Update findings [MM5]. It indicates that the latest projections result in an 11% uplift to the comparable baseline scenario from before, from 267 dpa in the 2014 HNS Update, to 296 dpa using the 2012-based SNHP.

Table 4.1 Summary of Outputs - Scenario A: 2012 SNHP, 2014 HNS Update

	2012	2014 HNS Update	
	2012-2031	p.a.	
Population	+6,911	+364	+352
Dwellings	+5,615	+296	+267
Jobs	-581	-31	-31

Source: NLP / CLG 2012 SNHP / 2014 HNS Update [MM5]

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

## Scenario Aa: 2012 SNPP Base, Headship Rate Sensitivity

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 rates 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 '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, results in a partial return to longer term trends.

An example of this is shown in Figure 4.1. This illustrates the 2012-based household representative rates for Males in High Peak 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 for the economy to begin to return to pre-recession trends.

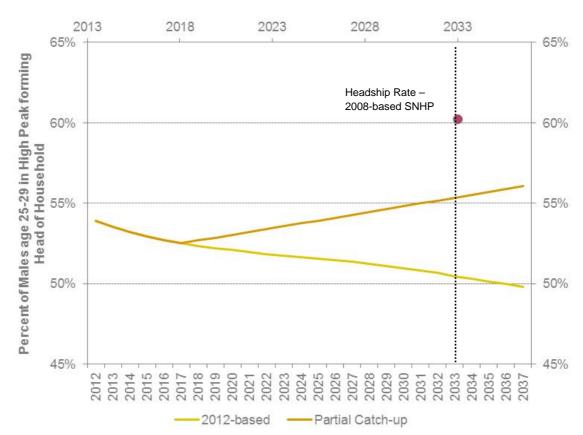


Figure 4.1 Projected Headship Rates - 2012 Baseline, Partial Catch Up Sensitivity

Source: CLG 2008/2012-based Household Projections, NLP Analysis

The population outcomes under this sensitivity test is 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

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applied to the younger population, resulting in a different housing related outcome. This is presented in Table 4.2.

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

	Dwelling Outputs	
	2012-31	p.a.
2012 Baseline	5,615	296
Scenario Aa: Partial Catch Up	5,980	315

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 2018

Note: the 2014 HNS Update Scenario Aa is not directly comparable as it was calculated on the basis of applying a 'partial catch up' to the entire population, rather than to discrete age cohorts as above.

## Scenario B: Natural Change

- This scenario examined the consequences of stripping out all the migration both into and out of High Peak 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).
- By removing all migration inputs, the population of High Peak Borough is forecast to increase by 2,485 residents between 2012 and 2031. This equates to dwelling growth of 3,490, or 184 dpa. Under this scenario, the workforce would shrink considerably, by 4,897 over the plan period. Therefore, in terms of a dwelling need simply to cater for natural change, High Peak would need to cater for 3,490 dwellings or 184 dpa. This scenario has increased by around 18% since the 2014 HNS Update, as outlined in Table 4.3.
- 4.16 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 4.3 Summary of Scenario - Scenario B

	2012	2014 HNS Update	
	2012-2031	p.a.	
Population	2,485	131	129
Dwellings	3,490	184	156
Jobs	-2,560	-135	-132

Source: NLP using PopGroup

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

## **Scenario C: Zero Net Migration**

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 Borough, 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 demographic characteristics of in-migrants and out-migrants.

This scenario would lead to a population increase of 3,203 people over the period 2012-2031. This equates to an increase of 4,479 new dwellings in High Peak Borough, or **236 dpa** (an increase of more than a third from the equivalent 2014 HNS scenario, as set out in Table 4.4). The Zero Net Migration scenario would result in a decrease of 3,440 economically active people within High Peak over this period, and a decrease jobs of 83 jobs per annum.

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 High Peak Borough's future economic growth prospects.

Table 4.4 Summary of Scenario C

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	2012	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	3,203	169	168
Dwellings	4,479	236	176
Jobs	-1,575	-83	-83

Source: NLP using PopGroup

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

## **Scenario D: Short Term Migration Trends**

Implicit within the 2012 SNPP is the assumption that net migration to High Peak will increase post 2020. These recent trends have informed the 2012 SNPP which projects an increase in net migration from 183 (2012) to 306 (2031) per annum. However, compared to migration over the past 5 years, the average net migration figure would be much lower. This scenario assumes that recent trends in migration (net migration of c.135 per annum) will continue over the projection period.

Under this scenario, there is net in-migration of 135 per annum, equating to a total of 2,700 to 2031. However, due to positive natural change, there is an overall population increase of 4,487 to 2031. Associated with this level of population increase is the number of households also increases and dwelling need accelerates as the population ages and smaller households form. There is however, a substantial decline in the size of the labour force and the number of jobs required to sustain it as the labour force declines more quickly compared to Scenario A as a result of fewer in-migrants moving into the area.

In terms of the associated dwelling need derived from this model, between 2012 and 2031 there would be a need for 248 dpa, which is 26 dpa higher than the past iteration as outlined in Table 4.5.

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Table 4.5 Summary of High Peak Model Outputs - Scenario D: Short Term Migration

	2012	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	4,487	236	231
Dwellings	4,709	248	222
Jobs	-1,430	-75	-75

Source: NLP using PopGroup

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

### Scenario E: Long Term Migration Trend

This scenario is based upon the same assumptions as Scenario D; however a longer term, 10 year, migration trend is used. Migration over the past 10 years in High Peak has been consistently positive with the longer term average being 249 per annum. International migration under this assumption is negative (-37 p.a.) but domestic migration accounts for +286 p.a. This scenario trends forward this figure, assuming that migration in High Peak will follow longer term trends (thereby eliminating the impacts of any anomalies in recent years or indeed in the 2012-based SNPP) with regard to the levels of migration High Peak Borough could reasonably be expected to see in the future.

Under this scenario, net migration, natural change and overall population change are all positive. Over the period to 2031, the population would increase by 7,064 (372 per annum). The key outputs from the longer term migration trend based scenarios are shown in Table 4.6. This results in a housing need of 294 dpa, 9% higher than the previous iteration (269 dpa).

Table 4.6 Summary of High Peak Model Outputs - Scenario E: Long Term Migration

	2012 S	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	7,064	372	360
Dwellings	5,594	294	269
Jobs	-540	-28	-30

Source: NLP using PopGroup

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.

#### **Economic-led Scenarios**

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.

Whilst there is 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

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of jobs) assuming certain characteristics around commuting and unemployment.

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

This is a 'policy-off' scenario using Oxford Economics projections of future employment growth in High Peak Borough. 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 High Peak Borough, the projected job growth over the period 2012-2031 in Oxford Economics' model is -309.

In order to support this modest decline, the labour force would also decline by 1,566, although the total population would still grow by 5,435. This would support household growth of 5,950 which equates to 313 dpa (a figure 21% higher than the equivalent Scenario in MM5).

Table 4.7 Summary of Scenario F

2012 SNHP		2014 HNS Update
2012-2031	p.a.	p.a.
5,435	286	340
5,950	313	259
-309	-16	-31
	2012-2031 5,435 <b>5,950</b>	2012-2031     p.a.       5,435     286       5,950     313

Source: NLP using PopGroup

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

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

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

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 Borough for work, taking up more of the locally based jobs instead. As such, the number of new

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dwellings needed would be significantly lower, at 4,356 over the period 2012-2031 (or 229 dpa).

Table 4.8 Summary of Scenario Fa

	2012 8	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	1,257	66	138
Dwellings	4,356	229	179
Jobs	-309	-16	-31

Source: NLP using PopGroup

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

## Scenario G: Policy On Job Growth

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 702 between 2013 and 2031, 774 higher than the Oxford Economics' Baseline Job Growth Scenario.

This represents a 'policy on' estimate of how High Peak Borough'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 in the future based on the nature of its economy and current expectations of future national and regional economic performance.

To underpin this level of job growth in High Peak, there would need to be an increase in the population of 7,334 (including a net in-migration of 6,798) and of dwellings by 6,682 due to the ageing population and sharp decline in the number of economically active residents. This equates to an annual need of 352 dpa, some 57 dpa higher than the previous HNS 2014 model run.

Table 4.9 Summary of Scenario G

	2012 S	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	7,334	386	433
Dwellings	6,682	352	295
Jobs	469	25	8

Source: NLP Using PopGroup

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

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

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 inmigrants 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 5,052 over the Plan period (266 dpa).

Table 4.10 Summary of Scenario Ga

	2012 9	2012 SNHP		
	2012-2031	p.a.	p.a.	
Population	3,061	161	220	
Dwellings	5,052	266	213	
Jobs	469	25	8	

Source: NLP using PopGroup

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

#### Scenario H: Job Stabilisation

This scenario assumes that the number of jobs in High Peak Borough remains at its current level over the projection period; this means that given the ageing population, there is a need for growth in the labour force, in-migration and ultimately housing. Although the number of jobs in this scenario is assumed to be constant, i.e. growth is equal to zero, there is a small increase in the size of the labour force due to the job decline seen in the first two years of the projection period.

Over the period to 2031, in order to create a labour force large enough to support jobs in the Borough, there would need to be net in-migration of 6,164. 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 6,150 and 5,971 new households would form. This translates into a need for 6,230 dwellings, or 328 dpa.

Table 4.11 Summary of Scenario H

	2012 S	2014 HNS Update	
	2012-2031	p.a.	p.a.
Population	6,150	324	375
Dwellings	6,230	328	273
Jobs	0	0	-16

Source: NLP using PopGroup

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

#### Summary

The Scenarios present a wide range of housing need for the period 2012 to 2031, based upon different indicators of what the need for housing in High Peak could be. These are summarised in Table 4.12.

Incorporating the 2012 SNHP into the modelling has had the effect of increasing the dwelling need for all of the modelled scenarios, with the comparable scenarios ranging from between 25 and 60 dpa higher for High Peak Borough compared to the 2012 HNS update. The comparable baseline

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scenario is 29 dpa higher in the latest modelling, using the 2012-based headship rates from CLG.

Table 4.12 Summary of Updated High Peak Borough 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	6,911	-581	5,615	296	267	+29
Aa. Baseline + Partial Catch Up			5,980	315	n/a	n/a
B. Natural Change	2,485	-2,560	3,490	184	156	+28
C. Zero Net Migration	3,203	-1,575	4,479	236	176	+60
D. Short Term Migration	4,487	-1,430	4,709	248	222	+26
E. Long Term Migration	7,064	-540	5,594	294	269	+25
F. Oxford Economics	5,435	-309	5,950	313	259	+54
Fa. Oxford Economic + Reduced Commuting	1,257	-309	4,356	229	179	+50
G. Policy On Job Growth	7,334	469	6,682	352	295	+57
Ga. Policy On Job Growth + Reduced Commuting	3,061	469	5,052	266	213	+47
H. Job Stabilisation	6,150	0	6,230	328	273	+55

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

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.

# **Market Signals**

- The April 2014 SHMA and Housing Needs Study [MM4] provided an in-depth analysis of the market signals in High Peak Borough as required by the Practice Guidance. Across nine indicators, High Peak was performing better than the national average on all of them, with lower median house prices, lower average rents, greater levels of affordability and lower levels of overcrowding. These indicators suggested limited housing market stress when compared with national market signals. However, when compared with several local areas, High Peak often had worsening market indicators.
- 4.41 For example, the level of past housing delivery between 2001/02 and 2013/14 in High Peak Borough had fluctuated considerably, from a high of 599 dpa to a low of 36 dpa. The total net housing completion in High Peak Borough over this 13-year period was 3,683, at an average of 283 dpa. This figure is virtually identical to the 284 dpa delivered between 2006/07 and 2010/11, which, when set against the East Midlands RS target of 300 dpa, would suggest a slight under-supply of 80 dwellings.
- 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.

This, and other market signals, provided an indication of demand and suggested that there needed to be a very modest improvement in affordability within High Peak and a requirement to stabilise increasing house prices.

The extent to which the demographic 'starting point' for identifying OAN for housing need 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 improvement in affordability needed and therefore the larger the additional supply response should be. Hence, whilst MM4 and the subsequent 2014 HNS Update [MM5] considered that some upward adjustment could be necessary relative to adjoining areas, it was concluded that the scale of adjustment to housing supply over and above demographic-led projections would not need to be substantial in line with the Practice Guidance.

MM5 concluded that the level of uplift to the (adjusted) demographic starting point (Scenario A) should be in the order of 5%, which would broadly equate to the Catch Up Headship Rate Sensitivity Test (Scenario Ac). This assumption would also need to be applied to the latest update for consistency purposes.

### SHMA/Affordable Housing Need

The 2014 High Peak SHMA [MM4] provided a detailed analysis of affordable housing need in High Peak. 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 need for 878 (net) affordable housing annually over the next five years across the Borough.

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".

Furthermore, the Framework requires that Local Plans should be "aspirational, but realistic" [§154]. Delivering 878 affordable dpa at a rate of 30% overall would indicate a requirement of 2,927 dpa. This is more than 10-times higher than the delivery level that has been achieved in recent years (287 dpa).

HPBC will be obliged to take into account affordable housing needs, recognising that these were identified on a different evidential basis, with the

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data focussing on household's ability to pay, rather than demographic change and economic growth.

- 4.50 HPBC 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. HPBC would also need to test the extent to which increasing the housing requirement figure in the Local Plan would conflict with other policies in the Framework, as set out in paragraph 14 and referenced above.
- 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<sup>6</sup>.

<sup>&</sup>lt;sup>6</sup>Practice Guidance 2a-003-20140306

## Discussion

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#### Introduction

In light of the new datasets underpinning the scenarios, this section of the 2015 Update 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. Figure 5.1 and Figure 5.2 demonstrate the extent of the revised modelling and compare the updated modelling exercise with the equivalent MM5 outputs.

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 may require adjustment to reflect factors affecting local demography and household formation rates which are not necessarily captured in past trends<sup>7</sup>.

To comply with the Practice Guidance, this 2015 Update used 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 have been applied to take account of local factors and economic aspirations.

Although the headline 2012-based SNHP (262 hpa 2012-2037) ostensibly appears to be significantly lower than the previous iterations of the CLG's SNHP (as set out in Section 3.0), this is primarily due to the much lower population projections upon which it is based. In fact, the latest headship rates appear to project a level of household formation that is higher than the 2011-based (interim) SNHP, although still below the 2008-based SNHP. This has resulted in slightly higher levels of housing need for comparable scenarios when compared to the projections in MM5. The implications of this are discussed in further detail below.

# **Evolution of High Peak Borough's Housing OAN**

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

LPAs must set a level of housing delivery in their Local Plan which meets the needs associated with population and household growth, addresses the need for all types of housing including affordable and caters for housing demand<sup>8</sup>.

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<sup>&</sup>lt;sup>7</sup> Practice Guidance, Ref 2a-015-20140306

<sup>&</sup>lt;sup>8</sup> The Framework, §159

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<sup>[2]</sup>. On this basis, the two previous housing needs reports undertaken by NLP for HPBC made the following conclusions:

#### SHMA and Housing OAN: Final Report (MM4, April 2014):

- Using the stepped approach to identifying OAN, it was considered that an objective assessment of housing need and demand for High Peak fell within the range 420 dpa to 470 dpa, equivalent to between 8,400 and 9,400 units 2011-2031.
- This range encompassed the baseline demographic—led needs for development at the upper end of the range (Baseline Index Scenario A). It also encompassed the CLG's 2011-based SNHP (with an allowance for vacant dwellings) at the lower end of the range. It was considered that delivering 420 dpa to 470 dpa would allow demographically generated demand in High Peak to be addressed; broadly accord with the 2011-nased SNHP; identify an appropriate housing requirement to help address increasing house prices and other worsening market signals; and exceed the economic growth forecasts.

#### Housing Needs Study: 2012-based SNPP Update (MM5, August 2014):

- Following the release of the 2012-based SNPP, the housing OAN was updated in MM5. The review concluded that an appropriate OAN range for High Peak should be adjusted downwards, to between 280 dpa and 420 dpa. This was justified at the lower end of the range on the basis that the (adjusted) demographic starting point (Scenario A) of 267 dpa should be uplifted to address market signals and past under-delivery, resulting in an uplift of around 5%. This broadly aligned with the Catch Up Headship Rate scenario, at 280 dpa.
- At the top end of the range, it was suggested that the CLG (interim) 2011-based Household Projections (420 dpa) should be retained on the grounds that the Practice Guidance requires the CLG household projections to comprise the 'starting point' for identifying housing OAN, even though their continuing validity was thrown into question due to the substantial divergence between the 2011-based (interim) SNPP upon which they are based, and the more robust 2012-based SNPP, which superseded them. This 280-420 dpa range encompassed/exceeded all of the economic-led projections (ranging from 179 dpa to 295 dpa); aligned with the Council's Local Plan employment land target of 45ha in Policy S4; addressed worsening housing market signals; and would allow the Borough to meet its demographic housing needs in full.

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<sup>[2]</sup>Ibid, §17

# Implications of the 2012-based SNHP on High Peak's OAN

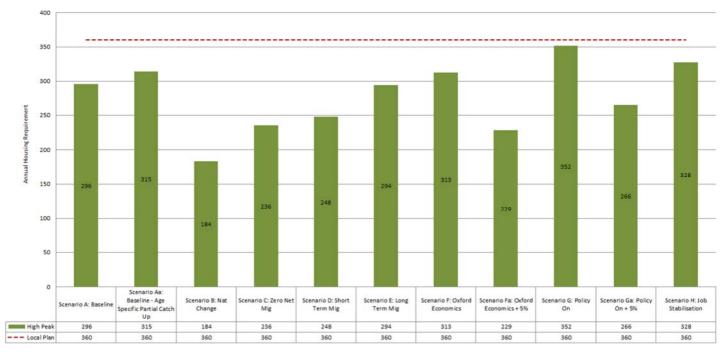
Figure 5.1 illustrates the outcomes of the full range of updated scenarios (see also Table 4.12). The Baseline scenario identifies a housing need of 296 dpa (up from 267 dpa in MM5), whilst the Baseline Partial Catch Up scenario stipulates an annual housing need of 315 dpa. In terms of employment led scenarios, the Oxford Economics Scenario derives a housing need figure is slightly higher than the Baseline (at 313 dpa). The Policy On Job Growth Scenario results in the highest housing need figure (352 dpa), whilst the Job Stabilisation scenario generates a housing need figure of 328 dpa.

Figure 5.1 Summary of Scenarios for High Peak

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Source: NLP Analysis

Figure 5.2 compares the latest modelling outputs with the outputs from the 2014 HNS Update [MM5]. As can be seen, the latest outputs are slightly higher across all scenarios despite using the same population inputs. This would suggest that the 'indexed' approach to household formation used in the previous reports gives rise to slightly lower levels of household formation than CLG's latest 2012-based SNHP headship rates. All scenarios are below the housing requirement figure contained in the Council's Local Plan.

For comparative purposes the average past delivery over the period 2001/02 to 2013/14 has also been provided. 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 High Peak. The average past delivery figure of 283 dpa is around 5% lower than the Baseline Scenario.

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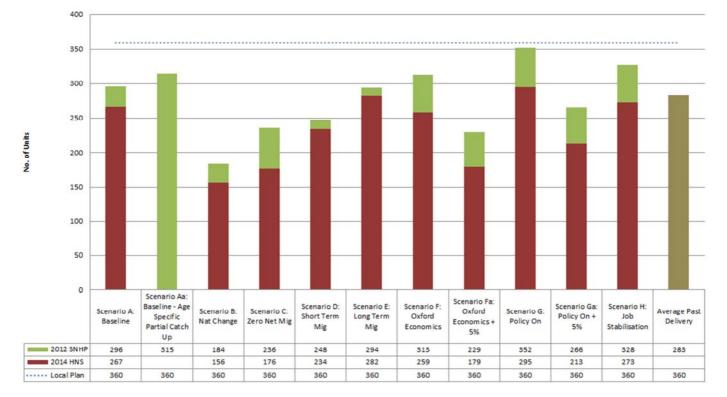


Figure 5.2 High Peak - Scenarios Comparator

Source: NLP Analysis

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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

On the basis of the data that has been released by CLG so far and the modelling work set out above, we draw the following conclusions:

- The baseline 'starting point' housing growth figures for High Peak in the 2012-based SNHP projects a growth of 283 households annually over the period 2012-2031. This is below the level projected in the 2008 and 2011 based SNHPs.
- The latest SNHP suggests that the change in household size in High Peak 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.
- 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.

- The Practice Guidance states that the latest household projections (2012-based) should be the starting point for any assessment of OAN. Over the period 2012-2031, the 2012 SNHP indicate average annual growth of **296 dpa** (incorporating an allowance for vacancy rates of 4.15%). This is the starting point for the assessment of OAN. It is higher than the Partial Catch Up and Index Baseline Scenarios outlined in MM5.
- Allowing for a similar 5% uplift to account for worsening market signals and past under delivery would result in a requirement of **311 dpa**. This is c.30 dpa higher than the recommended bottom end of the previous OAN range (280 dpa).
- At the top end of the model runs, the Policy On Job Growth suggests a need for **352 dpa**. This is significantly higher than the previous iteration (295 dpa), the latest Oxford Economics Projection (313 dpa) and also the updated Job Stabilisation Scenario (328 dpa).
- It is suggested that had the latest SNHP been available at the time of drafting the previous HNS documents (MM4 and MM5), a revised housing OAN range of **between 310 dpa and 350 dpa** would have been recommended. This is underpinned by the 2012 SNHP, uplifted to take into account (very moderately) worsening market signals at the lower end and encompassing the Policy On Job Growth at the top end. The range encompasses adjustments made to take into account long term migration trends (which produces an output similar to the 2012 SNHP baseline), the accelerated headship rates under sensitivity test Aa (315 dpa, or 331 dpa with a 5% uplift) and all of the other employment-led projections.

#### **Conclusions**

- This 2015 Update report has tested the on-going validity of the housing OAN of 280-420 dpa identified in MM5. Having adjusted the modelling to incorporate the latest, higher, headship rates in the 2012-based SNHP; taking into account worsening market signals as before; and planning for a level of economic growth to match earlier assumptions; this would point to a revised housing range of between **310 dpa and 350 dpa** for High Peak Borough.
- The revised range encompasses the full range of scenarios modelled, having applied the stepped approach to housing need as set out in the Government's Practice Guidance to identify an accelerated demographic need of 310 dpa, with the employment-led scenario underpinning the top end of the range.
- 5.13 Whilst all of the scenarios have increased as a result of the 2012-based SNHP modelling, raising the lower end of the previous range from 280 dpa to 310 dpa, the removal of the now superseded 2011-based (interim) SNHP scenario has lowered the top end of the range from 420 dpa to 350 dpa.
- In determining the implications of this revised range on its housing requirement of 360 dpa, HPBC would need to consider the extent to which an uplift in their Local Plan housing requirement could help deliver the required number of

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affordable homes (878 dpa) as required by the Practice Guidance, subject to the constraints referred to in paragraphs 14 and 47 of the Framework.

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# Appendix 1 - Inputs and Assumptions

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa: 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 estim the population for 2012-2031 are constrained to the 2012-based SNPP for the	ates for High Peak, split by e Borough, by age and sex	age cohort and gender. For So	cenario A and the sensitivities,
Births	Future change assumed in the Total Fertility Rate [TFR] uses the birth project projected TFRs through PopGroup.	tions from the ONS 2012-b	pased Interim SNPP. This in turn	n is used to derive future
Deaths	Future change assumed in the SMR uses the death projections from the ON PopGroup.	S 2012-based Interim SNP	P. This in turn is used to derive	future projected SMRs through
Internal Migration	Gross domestic in and out migration flows are adopted based on forecast migration into the Borough from the ONS 2012-based SNPP for the actual internal migration flows 2012-2031. This is the sum of internal migration (elsewhere in England) and cross-border migration (elsewhere in the UK) (SNPP Table 5). Internal migration includes moves to all other Local Authority areas, including to neighbouring areas (i.e. a move of two streets might be classed as internal migration if it involves a move to another LA area).	Internal in and out migration is set at zero over the Plan period.	Gross domestic in and out migration flows are adopted based on forecast migration in the Borough from the ONS 2012-based SNPP for the actual internal migration flows 2012-2031. To achieve zero net migration the difference between in and out flows is split to equalise the in and out flows at the middle point of the two.	Gross domestic internal migration flows are adopted based on average gross past trends for the past 5/10 years.
International Migration	Gross international in and out migration flows are adopted based on forecast migration in the Borough from the ONS 2012-based SNPP for the actual internal migration flows 2012-2031.	International in and out migration is set at zero over the Plan period.	As above, but for international rather than internal migration.	Gross international migration flows are adopted based on average gross past trends for the past 5/10 years.
Propensity to Migrate (Age Specific Migration Rates)	Age Specific Migration Rates (ASMigR) for both in and out domestic migration SNPP. These identify a migration rate for each age cohort within the Borough an Age Specific Migration Rate. This then drives the demographic profile of the second	n (for both in and out flows	separately) which is applied to e	ach individual age providing

DEMOGRAPHIC	Scenario A: Baseline (Scenario Aa: 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		
Housing						
Headship Rates	Headship rates that are specific to High Peak Borough and forecast over the 2012-based Sub-National Household Projections and applied to the demogr were split by age cohort and by household typology. These are the most up	aphic forecasts for each yea	ar as output by the PopGroup m			
Population not in households	The number of population not in households (e.g. those in institutional care) forecasts. No change is assumed to the rate of this from the CLG 2012-bas		assumptions used to underpin th	ne 2012-based household		
Vacancy / 2nd Home Rate	A vacancy and second homes rate is applied to the number of households, if the housing market. This means that more dwellings than households are recover the past three years is 4.15% (estimated using data from the Council Ta	equired to meet needs. The	e average vacancy/second hom	e rate in High Peak Borough		
Economic						
Economic Activity Rate	Age and gender-specific Economic Activity Rates are used. The basis for the projections are re-based to the 2011 Census, and also take into account the year of the 2006-based labour force projections; however, they have been a in the projections, i.e. to account for pension age increases for both men and	2012 Annual Population Sodjusted to take account of co	urvey. These are assumed to re	emain constant beyond the end		
Commuting Rate	A standard net commuting rate is inferred through the modelling using a Labour Force Ratio which is worked out using the formula: (A) Number of employed workers living in area ÷ (B) Number of workers who work in the area (number of jobs).  For High Peak Borough, data from the 2011 Census and 2011 BRES identifies an LF ratio of 1.40 (45,618 employed people ÷ 32,564 jobs in High Peak).					
	This has not been flexed over the forecasting period with no assumed increa	ase or reduction in net comr	muting rates.			
Unemploymen t	To calculate the unemployment rate, NLP took the December 2010 NOMIS figure of 6.4% to equate to the 2011 rate; the December 2012 figure (7.4%) former figure constant for 2014 and 2015 to reflect initial stabilisation at the average (05-13) over a five year time frame.	to equate to 2012 and the [	December 2013 figure (5.90%) t	o equate to 2013. NLP kept the		
	This figure was then held constant to the end of the forecasting period on the	e grounds that this is a bette	er reflection of the long term tre	nd than the current high rate.		

EMPLOYMENT FACTORS	Scenario G: OE Job Growth	Scenario H: HP Policy On Job Growth	Scenario I: Job Stabilisation		
Population					
Baseline Population	A 2012 baseline population is taken from the 201 the population for 2012-2031 are constrained to the	2 Mid-year population estimates for High Peak, split by age c he 2012-based SNPP for the Borough, by age and sex	ohort and gender. For Scenario A and the sensitivities,		
Births	Future change assumed in the Total Fertility Rate projected TFRs through PopGroup.	[TFR] uses the birth projections from the ONS 2012-based I	nterim SNPP. This in turn is used to derive future		
Deaths	Future change assumed in the SMR uses the dea PopGroup	ath projections from the ONS 2012-based Interim SNPP. This	s in turn is used to derive future projected SMRs through		
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 Borough for this employment scenario.  This was based on taking forward forecast job growth based on OE projections (-306 jobs 2013-2031 for High Peak)	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 Borough for this employment scenario.  This was based on taking forward forecast job growth based on policy on OE projections (+469 jobs 2013-2031 for High Peak)	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 Borough in this employment scenario. This was based on job stabilisation between 2013 and 2031.		
International Migration	As above, but for international rather than interna	I 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 High Peak Borough in the 2010-based SNPP. These identify a migration rate for each age cohort within the Borough (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 Borough (but not the total numbers of migrants).				
Housing					
Headship Rates	Headship rates that are specific to High Peak Borough and forecast over the period to 2037 were taken from the government data which was used to underpin the 2012-based Sub-National Household Projections and applied to the demographic forecasts for each year as output by the PopGroup model. These headship rates were split by age cohort and by household typology. These are the most up-to-date headship rates available at the time of writing.				
Population not in Households		those in institutional care) is similarly taken from the assumption is from the CLG 2012-based SNHP identified rate.	otions used to underpin the 2012-based household		

EMPLOYMENT FACTORS	Scenario G: OE Job Growth	Scenario H: HP Policy On Job Growth	Scenario I: Job Stabilisation
Vacancy / 2nd Home Rate	housing market. This means that more dwellings	ne number of households, representing the natural vacancies than households are required to meet needs. The average that from the Council Tax Base for Formula Grant Purposes, h	vacancy/second home rate in High Peak Borough over
Economic			
Economic Activity Rate	projections are re-based to the 2011 Census, and year of the 2006-based labour force projections; h	are used. The basis for this is the ONS 2006-based Labour dalso take into account the 2012 Annual Population Survey. nowever, they have been adjusted to take account of changir increases for both men and women above age 65).	These are assumed to remain constant beyond the end
Commuting Rate	living in area ÷ (B) Number of workers who work in For High Peak Borough, data from the 2011 Cens	n the modelling using a Labour Force Ratio which is worked on the area (number of jobs). Sus and 2011 BRES identifies an LF ratio of 1.40 (45,618 em iod with no assumed increase or reduction in net commuting	ployed people ÷ 32,564 jobs in High Peak).
Unemployment	figure of 6.4% to equate to the 2011 rate; the Dec former figure constant for 2014 and 2015 to reflect average (05-13) over a five year time frame.	e December 2010 NOMIS unemployment figure (6.7%) to equember 2012 figure (7.4%) to equate to 2012 and the December initial stabilisation at the current high rate, and then graduate forecasting period on the grounds that this is a better refle	ber 2013 figure (5.90%) to equate to 2013. NLP kept the lly reduced the rate on a linear basis to the 8-year

# Appendix 2 — PopGroup Summary

	Scenario A: PopGroup Baseline					
High Peak	2012	2031	Change 2012-31	% Change 2012- 31		
Population	91,118	98,029	6,911	8%		
Households	39,209	44,591	5,382	14%		
Dwellings	40,906	46,521	5,615	14%		
Size of labour Force	48,791	46,822	-1,969	-4%		
Number of Jobs	32,217	31,636	-581	-2%		

	Scenario Aa: PopGroup Baseline - Age Specific Partial Catch Up					
High Peak	2012	2031	Change 2012-31	% Change 2012- 31		
Population	91,118	98,029	6,911	8%		
Households	39,209	44,940	5,731	15%		
Dwellings	40,906	46,886	5,980	15%		
Size of labour Force	48,791	46,822	-1,969	4%		
Number of Jobs	32,217	31,636	-581	2%		

	Scenario B: Natural Change				
High Peak	2012	2031	Change 2012-31	% Change 2012- 31	
Population	91,118	93,603	2,485	3%	
Households	39,209	42,554	3,346	9%	
Dwellings	40,906	44,397	3,490	9%	
Size of labour	48,791	43,894	-4,897	-10%	
Number of Jobs	32,217	29,657	-2,560	-8%	

	Scenario C: Zero Net Migration					
High Peak	2012	2031	Change 2012-31	% Change 2012- 31		
Population	91,118	94,321	3,203	4%		
Households	39,209	43,502	4,293	11%		
Dwellings	40,906	45,386	4,479	11%		
Size of labour Force	48,791	45,351	-3,440	-7%		
Number of Jobs	32,217	30,641	-1,575	-5%		

	Scenario D: Short Term Migration					
High Peak	2012	2031	Change 2012-31	% Change 2012- 31		
Population	91,118	95,605	4,487	5%		
Households	39,209	43,722	4,513	12%		
Dwellings	40,906	45,615	4,709	12%		
Size of labour Force	48,791	45,567	-3,224	-7%		
Number of Jobs	32,217	30,787	-1,430	-4%		

	Scenario E: Long Term Migration					
High Peak	2012	2031	Change 2012-31	% Change 2012- 31		
Population	91,118	98,182	7,064	8%		
Households	39,209	44,751	5,362	14%		
Dwellings	40,906	46,500	5,594	14%		
Size of labour Force	48,791	46,884	-1,907	-4%		
Number of Jobs	32,217	31,677	-540	-2%		

	Sce	enario F: Oxford E	conomics Job Gro	wth
High Peak	2012	2031	Change 2012-31	% Change 2012- 31
Population	91,118	96,553	5,435	6%
Households	39,209	44,911	5,703	15%
Dwellings	40,906	46,856	5,950	15%
Size of labour Force	48,791	47,225	-1,566	-3%
Number of Jobs	32,217	31,908	-309	-1%

High Peak	Scenario Fa:		s Job Growth + 5% nuting	Reduction in
riigii r cak	2012	2031	Change 2012-31	% Change 2012- 31
Population	91,118	92,375	1,257	1%
Households	39,209	43,384	4,176	11%
Dwellings	40,906	45,263	4,356	11%
Size of labour Force	48,791	44,864	-3,927	-8%
Number of Jobs	32,217	31,908	-309	-1%

		Scenario G: Polic	y On Job Growth	
High Peak	2012	2031	Change 2012-31	% Change 2012- 31
Population	91,118	98,452	7,334	8%
Households	39,209	45,613	6,404	16%
Dwellings	40,906	47,588	6,682	16%
Size of labour Force	48,791	48,377	-414	-1%
Number of Jobs	32,217	32,686	469	1%

	Scenario Ga: P	olicy on Job Grow	th + 5% Reduction	in Commuting
High Peak	2012	2031	Change 2012-31	% Change 2012- 31
Population	91,118	94,179	3,061	3%
Households	39,209	44,051	4,843	12%
Dwellings	40,906	45,958	5,052	12%
Size of labour Force	48,791	45,958	-2,833	-6%
Number of Jobs	32,217	32,686	469	1%

		Scenario H: Jo	b Stabilisation	
High Peak	2012	2031	Change 2012-31	% Change 2012- 31
Population	91,118	97,268	6,150	7%
Households	39,209	45,180	5,971	15%
Dwellings	40,906	47,136	6,230	15%
Size of labour Force	48,791	47,683	-1,108	-2%
Number of Jobs	32,217	31,217	0	0%

# Appendix 3 — PopGroup Modelling Outputs

Population	Estimates and	Forecasts
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High Peak Baseline

Components of Population Change High Peak																										
Components of FC	Year beginn 2012-13 2	ing July 1:			•		018-19 20	19-20 20	020-21 20	121-22 20	022-23 20	123-24 20	24-25 20	025-26 20	126-27 20	127-28 20	28-29 20	029-30 2	030-31 20	121 22 20	32-33 20	133-34 20	34-35 20	135-36 20	36-37	
Births Male	500	502	505	505	506	507	508	508	507	507	505	504	502	499	497	495	493	492	491	490	490	491	493	495	495	
Female	476	478	481	481	482	483	484	484	483	482	481	480	478	476	474	472	470	468	467	467	467	468	470	472	472	
All Births TFR Births input	977 1.97	979 1.97	986 1.97	986 1.96	988 1.96	990 1.95	991 1.95	991 1.95	990 1.95	989 1.95	987 1.95	983 1.95	979 1.95	975 1.95	971 1.96	967 1.96	963 1.96	960 1.96	958 1.96	957 1.96	958 1.96	959 1.95	963 1.95	967 1.96	967 1.95	
Deaths Male	397	397	402	400	407	411	415	420	425	430	437	444	452	460	466	475	484	492	500	507	517	526	533	541	591	
Female All deaths	419 816	414 811	415 817	416 817	412 819	416 827	417 832	419 840	423 849	425 856	431 868	436 881	444 896	450 910	456 922	465 939	473 957	484 977	490 991	499 1,006	508 1,024	516 1,041	522 1,055	530 1,071	555 1,146	
SMR: males SMR: females	104.9 104.9	101.6 102.4	99.8 100.9	96.2 99.5	94.7 96.6	92.6 95.4	90.2 93.2	88.4 91.5	86.4 90.0	84.4 88.0	82.8 86.6	81.4 85.2	80.1 84.2	78.7 82.7	77.0 81.3	76.0 80.2	74.9 79.1	73.9 78.5	72.7 77.0	71.6 76.1	70.8 75.2	69.9 74.0	68.9 72.8	68.1 72.1	72.6 73.6	
SMR: persons Expectation of life: males	104.9 78.9	102.0 79.4	100.3 79.5	97.9 79.9	95.7 80.2	94.0 80.5	91.7 80.8	89.9 81.0	88.2 81.3	86.2 81.6	84.7 81.8	83.2 82.0	82.1 82.2	80.6 82.5	79.1 82.7	78.0 82.8	77.0 83.0	76.1 83.2	74.8 83.4	73.7 83.5	72.9 83.7	71.9 83.9	70.8 84.1	70.0 84.3	73.1 83.5	
Expectation of life: females Expectation of life: persons Deaths input	83.1 81.1	83.4 81.5	83.6 81.6	83.7 81.9	83.9 82.1	84.1 82.4	84.3 82.6	84.5 82.8	84.7 83.0	85.0 83.3	85.1 83.5	85.3 83.7	85.4 83.9	85.7 84.1	85.8 84.3	85.9 84.4	86.1 84.6	86.2 84.7	86.4 84.9	86.5 85.0	86.6 85.2	86.8 85.4	87.1 85.6	87.2 85.8	86.8 85.2	
In-migration from the UK	4.000	4.005	1.690	1.697	4 704	4.704	4 707	4 707	4 707	4 707	4.700	4.740	4.740	4.700	4 700	4.740	4.754	4.750	4.700	4 774	4 777	4 700	4.700	4.704	4.040	
Female	1,680 1,807	1,685 1,807	1,809	1,811	1,701 1,812	1,704 1,811	1,707 1,810	1,707 1,807	1,707 1,803	1,707 1,800	1,709 1,800	1,712 1,800	1,719 1,805	1,726 1,811	1,736 1,820	1,743 1,828	1,751 1,836	1,759 1,845	1,766 1,852	1,771 1,857	1,777 1,864	1,783 1,871	1,789 1,876	1,794 1,883	1,640 1,721	
All SMigR: males	3,487 0.0	3,492 0.0	3,499 0.0	3,508 0.0	3,512 0.0	3,515 0.0	3,517 0.0	3,514 0.0	3,510 0.0	3,507 0.0	3,508 0.0	3,512 0.0	3,523 0.0	3,537 0.0	3,555 0.0	3,571 0.0	3,587 0.0	3,604 0.0	3,617 0.0	3,628 0.0	3,641 0.0	3,654 0.0	3,665 0.0	3,677 0.0	3,361 0.0	
SMigR: females Migrants input	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	• 0.1	0.1	0.1	0.1	0.1	0.0	
Out-migration to the UK Male	1,588	1,593	1,592	1,597	1,605	1,602	1,593	1,583	1,579	1,583	1,589	1,589	1,593	1,593	1,602	1,597	1,601	1,604	1,607	1,611	1,615	1,618	1,624	1,628	1,632	
Female All	1,716 3,304	1,725 3,318	1,715 3,308	1,716 3,313	1,719 3,324	1,720 3,322	1,712 3,304	1,703 3,287	1,691 3,270	1,682 3,265	1,675 3,264	1,677 3,266	1,681 3,274	1,684 3,277	1,679 3,281	1,685 3,282	1,689 3,291	1,702 3,306	1,710 3,317	1,711 3,322	1,718 3,333	1,726 3,344	1,731 3,355	1,736 3,364	1,741 3,373	
SMigR: males SMigR: females Migrants input	35.7 38.3	35.6 38.5	35.5 38.3	35.5 38.3	35.5 38.3	35.4 38.3	35.3 38.2	35.1 38.1	35.1 38.0	35.2 37.9	35.3 37.8	35.3 37.8	35.4 37.9	35.4 37.9	35.5 37.7	35.3 37.7	35.3 37.7	35.3 37.8	35.2 37.8	35.2 37.7	35.2 37.6	35.1 37.7	35.1 37.7	35.1 37.6	35.1 37.6	
In-migration from Oversea	as																									
Male	120	130	134	131	132	133	131	132	130	130	133	136	136	138	140	142	142	142	142	142	143	141	139	139	259	
Female All	114 234	121 251	126 260	131 262	124 256	126 259	122 253	124 256	126 255	123 253	125 259	126 262	128 264	128 266	132 271	134 276	134 276	134 276	134 277	139 282	138 280	133 274	130 269	133 271	245 504	
SMigR: males SMigR: temales Migrants input	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Out-migration to Oversea	s 137	404	404	127	400	405	400	404	400	100	400	405	400	400	100	400	400	100	131	100	404	130	404	404	47	
Female All	128 265	131 116 247	131 118 249	114 240	123 116 239	125 110 235	126 111 237	124 111 235	122 110 232	122 109 231	123 107 230	125 108 233	123 107 230	126 109 235	130 111 241	128 112 240	129 112 241	129 110 239	116 247	132 119 252	131 117 248	115 245	131 114 245	131 115 246	40 87	
SMigR: males SMigR: females Migrants input	55.5 67.0	52.8 60.5	52.8 61.5	50.8 59.2	49.3 60.1	49.8 57.1	50.5 57.7	49.8 57.8	49.0 57.7	49.1 57.4	49.7 56.8	50.5 57.8	50.0 57.3	51.3 58.5	52.7 60.2	52.1 60.6	52.4 60.6	52.4 59.5	53.0 62.5	53.4 64.1	52.7 62.9	52.2 61.3	52.4 60.6	52.3 61.1	18.6 21.1	
Migration - Net Flows	+183	+174	+191	+195	+189	+192	+213	+227	+240	+243	+244	+246	+249	+260	+274	+289	+297	+297	+301	+306	+308	+310	+310	+313	-12	
Overseas	-31	+4	+11	+22	+17	+24	+15	+21	+23	+22	+28	+29	+34	+31	+30	+35	+35	+36	+30	+30	+32	+29	+24	+25	+417	
Summary of population cl Natural change	hange +161	+169	+170	+170	+169	+162	+160	+152	+142	+133	+119	+103	+83	+65	+49	+27	+6	-17	-33	-49	-67	-82	-93	-104	-179	
Net migration Net change	+152 +313	+178 +346	+202 +372	+217 +387	+205 +375	+217 +379	+228 +388	+248 +400	+263 +404	+264 +398	+273 +391	+275 +378	+283 +366	+291 +356	+304 +353	+324 +351	+332 +338	+334 +317	+330 +298	+336 +288	+340 +273	+339 +257	+334 +241	+338 +234	+405 +226	
Crude Birth Rate /000 Crude Death Rate /000 Crude Net Migration Rate /000	10.70 8.94 1.66	10.69 8.85 1.94	10.73 8.88 2.20	10.68 8.84 2.35	10.66 8.84 2.22	10.63 8.89 2.33	10.60 8.90 2.44	10.56 8.94 2.64	10.50 9.00 2.79	10.45 9.04 2.79	10.38 9.13 2.87	10.30 9.22 2.88	10.22 9.35 2.96	10.13 9.46 3.03	10.05 9.55 3.15	9.98 9.69 3.34	9.90 9.84 3.41	9.84 10.01 3.42	9.79 10.12 3.37	9.75 10.25 3.42	9.73 10.41 3.46	9.72 10.55 3.43	9.73 10.66 3.38	9.75 10.80 3.40	9.73 11.52 4.07	
Summary of Popul		mates	forecas	sts																						
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10	4,962 5,947	4,976 6,025	5,030 6,045	5,066 6,077	5,080 6,136	5,082 6,156	5,103 6,166	5,116 6,187	5,126 6,244	5,131 6,283	5,134 6,296	5,133 6,297	5,129 6,318	5,120 6,330	5,107 6,338	5,090 6,340	5,072 6,338	5,052 6,333	5,032 6,323	5,013 6,308	4,997 6,290	4,985 6,269	4,977 6,246	4,975 6,223	4,979 6,201	4,990 6,183
11-15 16-17	5,473 2,315	5,308 2,248	5,130 2,294	4,994 2,306	4,954 2,193	5,020 2,052	5,113 1,967	5,179 1,962	5,200 2,003	5,237 2,027	5,252 2,087	5,285 2,132	5,297 2,132	5,350 2,106	5,383 2,098	5,394 2,147	5,393 2,186	5,412 2,180	5,422 2,170	5,430 2,182	5,432 2,190	5,432 2,195	5,427 2,197	5,420 2,199	5,408 2,200	5,393 2,199
18-59Female, 64Male 60/65 -74	52,846 12,469	52,796 12,821	52,710 13,129	52,623 13,438	52,627 13,737	52,568 13,964	52,381 14,169	52,102 14,330	51,870 14,470	51,551 14,730	51,306 14,627	50,972 14,713	50,698 14,899	50,422 15,099	50,107 15,394	49,798 15,674	49,491 16,000	49,215 16,303	49,047 16,588	48,882 16,785	48,728 16,942	48,648 16,992	48,608 16,967	48,623 16,888	48,667 16,711	48,789 16,455
75-84 85+	5,097 2,009	5,198 2,057	5,327 2,111	5,479 2,166	5,567 2,242	5,726 2,343	5,993 2,399	6,335 2,466	6,592 2,572	6,843 2,680	7,407 2,772	7,844 2,894	8,151 3,025	8,422 3,167	8,667 3,278	8,837 3,445	8,948 3,647	9,020 3,900	9,038 4,112	9,114 4,315	9,023 4,715	9,035 5,035	9,160 5,264	9,295 5,465	9,528 5,628	9,766 5,773
Total	91,118	91,431	91,777	92,149	92,536	92,911	93,290	93,677	94,077	94,482	94,879	95,271	95,649	96,015	96,371	96,725	97,076	97,414	97,731	98,029	98,316	98,590	98,847	99,088	99,322	99,548
Dependency ratios, mean 0-15 / 16-65 65+ / 16-65	0.28 0.28	0.28 0.30	0.28 0.31	0.28 0.31	0.28 0.32	0.28 0.33	0.29 0.34	0.29 0.35	0.29 0.36	0.29 0.37	0.29	0.30 0.39	0.30 0.40	0.30 0.41	0.30 0.42	0.30 0.43	0.30 0.45	0.30 0.46	0.31	0.31 0.49	0.31	0.31 0.51	0.31 0.52	0.31 0.53	0.31 0.54	0.31 0.54
0-15 and 65+ / 16-65 Median age males	0.56 41.9	0.58 42.2	0.59 42.6	0.59 42.9	0.60 43.2	0.62 43.4	0.63 43.6	0.64 43.7	0.65 43.7	0.66 43.7	0.67 43.6	0.68 43.6	0.69 43.7	0.71 43.7	0.72 43.8	0.74 43.8	0.75 43.9	0.77 43.9	0.78 44.0	0.79 44.1	0.81 44.1	0.82	0.83 44.3	0.84 44.5	0.85 44.6	0.85 44.8
Median age females Sex ratio males /100 females	43.2 97.1	43.6 97.2	44.0 97.3	44.3 97.4	44.6 97.4	45.0 97.5	45.3 97.6	45.5 97.7	45.7 97.8	45.9 97.8	46.0 97.9	46.1 97.9	46.1 97.9	46.1 97.9	46.2 98.0	46.3 98.0	46.5 98.0	46.6 98.0	46.7 98.1	46.8 98.1	46.8 98.1	47.0 98.2	47.0 98.2	47.1 98.3	47.2 98.3	47.3 98.4
Population impact of cons Number of persons	straint +42	-44	-10	-2	-1	+1	+7	+3	+8	+10	+9	+16	+16	+21	+18	+17	+22	+22	+24	+17	+17	+19	+16	+11	+12	+404
Households Number of Households	39,209	39,483	39,762	40,061	40,368	40,707	41,020	41,330	41,630	41,930	42,226	42,516	42,800	43,061	43,340	43,594	43,861	44,113	44,348	44,591	44,812	45,025	45,227	45,408	45,587	45,749
Change in Households over pr Number of supply units Change in over previous year	,	+274 41,192 +286	+279 41,484 +291	+299 41,795 +312	+307 42,115 +320	+339 42,469 +354	+313 42,796 +326	+310 43,119 +323	+300 43,432 +313	+301 43,746 +314	+296 44,054 +309	+290 44,357 +302	+284 44,653 +296	+261 44,925 +272	+279 45,216 +291	+255 45,482 +266	+266 45,760 +278	+252 46,023 +263	+235 46,268 +245	+243 46,521 +253	+221 46,752 +231	+213 46,974 +222	+202 47,185 +211	+182 47,374 +189	+178 47,560 +186	+162 47,730 +170
Labour Force																										
Number of Labour Force Change in Labour Force over p		48,880 +89	48,977 +97	49,056 +79	49,115 +59	49,055 -60	49,008 -47	49,050 +41	49,083 +33	48,906 -176	48,653 -253	48,334 -319	47,952 -382	47,770 -182	47,589 -181	47,411 -178	47,232 -178	47,054 -178	46,931 -123	46,822 -108	46,745 -77	46,674 -71	46,618 -56	46,605 -13	46,599 -5	46,638 +38
Number of supply units Change in over previous year	32,217	32,834 +617	32,899 +65	32,952 +53	33,030 +78	33,029 -2	33,036 +7	33,102 +66	33,163 +61	33,044 -119	32,873 -171	32,657 -216	32,399 -258	32,276 -123	32,153 -122	32,033 -120	31,912 -121	31,792 -120	31,709 -83	31,636 -73	31,583 -52	31,535 -48	31,497 -38	31,488 -9	31,485 -3	31,511 +26

Population Estimates and Forecasts High Peak Baseline + Partial Catch Up

Components of F	Population Year beginn	•	•		ligh Pea	ık																				
Births	2012-13 2		2014-15 20	015-16 20	016-17 20	017-18 2	018-19 20	19-20 20	020-21 20	021-22 2	022-23 2	023-24 20	024-25 20	025-26 20	026-27 20	027-28 20	28-29 2	029-30 2	2030-31 20	31-32 20	032-33 20	033-34 20	134-35 20	35-36 20	36-37	
Male Female	500 476	502 478	505 481	505 481	506 482	507 483	508 484	508 484	507 483	507 482	505 481	504 480	502 478	499 476	497 474	495 472	493 470	492 468	491 467	490 467	490 467	491 468	493 470	495 472	495 472	
All Births	977	979	986	986	988	990	991	991	990	989	987	983	979	975	971	967	963	960	958	957	958	959	963	967	967	
Births input	1.97	1.97	1.97	1.96	1.96	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.95	1.95	1.96	1.95	
Deaths Male Female All deaths SMR: males	397 419 816 104.9	397 414 811 101.6	402 415 817 99.8	400 416 817 96.2	407 412 819 94.7	411 416 827 92.6	415 417 832 90.2	420 419 840 88.4	425 423 849 86.4	430 425 856 84.4	437 431 868 82.8	444 436 881 81.4	452 444 896 80.1	460 450 910 78.7	466 456 922 77.0	475 465 939 76.0	484 473 957 74.9	492 484 977 73.9	500 490 991 72.7	507 499 1,006 71.6	517 508 1,024 70.8	526 516 1,041 69.9	533 522 1,055 68.9	541 530 1,071 68.1	591 555 1,146 72.6	
SMR: females SMR: persons Expectation of life: males Expectation of life: females Expectation of life: persons Deaths input	104.9 104.9 78.9 83.1 81.1	102.4 102.0 79.4 83.4 81.5	100.9 100.3 79.5 83.6 81.6	99.5 97.9 79.9 83.7 81.9	96.6 95.7 80.2 83.9 82.1	95.4 94.0 80.5 84.1 82.4	93.2 91.7 80.8 84.3 82.6	91.5 89.9 81.0 84.5 82.8	90.0 88.2 81.3 84.7 83.0	88.0 86.2 81.6 85.0 83.3	86.6 84.7 81.8 85.1 83.5	85.2 83.2 82.0 85.3 83.7	84.2 82.1 82.2 85.4 83.9	82.7 80.6 82.5 85.7 84.1	81.3 79.1 82.7 85.8 84.3	80.2 78.0 82.8 85.9 84.4	79.1 77.0 83.0 86.1 84.6	78.5 76.1 83.2 86.2 84.7	77.0 74.8 83.4 86.4 84.9	76.1 73.7 83.5 86.5 85.0	75.2 72.9 83.7 86.6 85.2	74.0 71.9 83.9 86.8 85.4	72.8 70.8 84.1 87.1 85.6	72.1 70.0 84.3 87.2 85.8	73.6 73.1 83.5 86.8 85.2	
In-migration from the UK Male Female All SMigR: males	1,680 1,807 3,487 0.0	1,685 1,807 3,492 0.0	1,690 1,809 3,499 0.0	1,697 1,811 3,508 0.0	1,701 1,812 3,512 0.0	1,704 1,811 3,515 0.0	1,707 1,810 3,517 0.0	1,707 1,807 3,514 0.0	1,707 1,803 3,510 0.0	1,707 1,800 3,507 0.0	1,709 1,800 3,508 0.0	1,712 1,800 3,512 0.0	1,719 1,805 3,523 0.0	1,726 1,811 3,537 0.0	1,736 1,820 3,555 0.0	1,743 1,828 3,571 0.0	1,751 1,836 3,587 0.0	1,759 1,845 3,604 0.0	1,766 1,852 3,617 0.0	1,771 1,857 3,628 0.0	1,777 1,864 3,641 0.0	1,783 1,871 3,654 0.0	1,789 1,876 3,665 0.0	1,794 1,883 3,677 0.0	1,640 1,721 3,361 0.0	
SMigR: females Migrants input	0.1	0.1	0.1	0.1 *	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	
Out-migration to the UK Male Female AII SMigR: males SMigR: females Migrants input	1,588 1,716 3,304 35.7 38.3	1,593 1,725 3,318 35.6 38.5	1,592 1,715 3,308 35.5 38.3	1,597 1,716 3,313 35.5 38.3	1,605 1,719 3,324 35.5 38.3	1,602 1,720 3,322 35.4 38.3	1,593 1,712 3,304 35.3 38.2	1,583 1,703 3,287 35.1 38.1	1,579 1,691 3,270 35.1 38.0	1,583 1,682 3,265 35.2 37.9	1,589 1,675 3,264 35.3 37.8	1,589 1,677 3,266 35.3 37.8	1,593 1,681 3,274 35.4 37.9	1,593 1,684 3,277 35.4 37.9	1,602 1,679 3,281 35.5 37.7	1,597 1,685 3,282 35.3 37.7	1,601 1,689 3,291 35.3 37.7	1,604 1,702 3,306 35.3 37.8	1,607 1,710 3,317 35.2 37.8	1,611 1,711 3,322 35.2 37.7	1,615 1,718 3,333 35.2 37.6	1,618 1,726 3,344 35.1 37.7	1,624 1,731 3,355 35.1 37.7	1,628 1,736 3,364 35.1 37.6	1,632 1,741 3,373 35.1 37.6	
In-migration from Overs	eas	130	134	131	132	133	131	132	130	130	133	136	136	138	140	142	142	142	142	142	143	141	139	139	259	
Female	114	121	126	131	124	126	122	124	126	123	125	126	128	128	132	134	134	134	134	139	138	133	130	133	245	
All SMigR: males SMigR: females Migrants input	234 0.0 0.0	251 0.0 0.0	260 0.0 0.0	262 0.0 0.0	256 0.0 0.0	259 0.0 0.0	253 0.0 0.0	256 0.0 0.0	255 0.0 0.0	253 0.0 0.0	259 0.0 0.0	262 0.0 0.0	264 0.0 0.0	266 0.0 0.0	271 0.0 0.0	276 0.0 0.0	276 0.0 0.0	276 0.0 0.0	277 0.0 0.0	282 0.0 0.0	280 0.0 0.0	274 0.0 0.0	269 0.0 0.0	271 0.0 0.0	504 0.0 0.0	
Out-migration to Overse Male Female AII SMigR: males SMigR: females Migrants input	137 128 265 55.5 67.0	131 116 247 52.8 60.5	131 118 249 52.8 61.5	127 114 240 50.8 59.2	123 116 239 49.3 60.1	125 110 235 49.8 57.1	126 111 237 50.5 57.7	124 111 235 49.8 57.8	122 110 232 49.0 57.7	122 109 231 49.1 57.4	123 107 230 49.7 56.8	125 108 233 50.5 57.8	123 107 230 50.0 57.3	126 109 235 51.3 58.5	130 111 241 52.7 60.2	128 112 240 52.1 60.6	129 112 241 52.4 60.6	129 110 239 52.4 59.5	131 116 247 53.0 62.5	132 119 252 53.4 64.1	131 117 248 52.7 62.9	130 115 245 52.2 61.3	131 114 245 52.4 60.6	131 115 246 52.3 61.1	47 40 87 18.6 21.1	
Migration - Net Flows UK Overseas	+183 -31	+174 +4	+191 +11	+195 +22	+189 +17	+192 +24	+213 +15	+227 +21	+240 +23	+243 +22	+244 +28	+246 +29	+249 +34	+260 +31	+274 +30	+289 +35	+297 +35	+297 +36	+301 +30	+306 +30	+308 +32	+310 +29	+310 +24	+313 +25	-12 +417	
Summary of population	change																									
Natural change Net migration Net change Crude Birth Rate /000 Crude Death Rate /000 Crude Net Migration Rate /00	+161 +152 +313 10.70 8.94 00 1.66	+169 +178 +346 10.69 8.85 1.94	+170 +202 +372 10.73 8.88 2.20	+170 +217 +387 10.68 8.84 2.35	+169 +205 +375 10.66 8.84 2.22	+162 +217 +379 10.63 8.89 2.33	+160 +228 +388 10.60 8.90 2.44	+152 +248 +400 10.56 8.94 2.64	+142 +263 +404 10.50 9.00 2.79	+133 +264 +398 10.45 9.04 2.79	+119 +273 +391 10.38 9.13 2.87	+103 +275 +378 10.30 9.22 2.88	+83 +283 +366 10.22 9.35 2.96	+65 +291 +356 10.13 9.46 3.03	+49 +304 +353 10.05 9.55 3.15	+27 +324 +351 9.98 9.69 3.34	+6 +332 +338 9.90 9.84 3.41	-17 +334 +317 9.84 10.01 3.42	-33 +330 +298 9.79 10.12 3.37	-49 +336 +288 9.75 10.25 3.42	-67 +340 +273 9.73 10.41 3.46	-82 +339 +257 9.72 10.55 3.43	-93 +334 +241 9.73 10.66 3.38	-104 +338 +234 9.75 10.80 3.40	-179 +405 +226 9.73 11.52 4.07	
Summary of Pop					2.22	2.33	2.44	2.04	2.75	2.79	2.07	2.00	2.30	3.03	3.13	3.54	3.41	5.42	3.37	3.42	3.40	3.40	3.30	3.40	4.07	
, , , , , , , , , , , , , , , , , , ,	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10 11-15 16-17 18-59Female, 64Male 60/65-74 75-84 85+	4,962 5,947 5,473 2,315 52,846 12,469 5,097 2,009	4,976 6,025 5,308 2,248 52,796 12,821 5,198 2,057	5,030 6,045 5,130 2,294 52,710 13,129 5,327 2,111	5,066 6,077 4,994 2,306 52,623 13,438 5,479 2,166	5,080 6,136 4,954 2,193 52,627 13,737 5,567 2,242	5,082 6,156 5,020 2,052 52,568 13,964 5,726 2,343	5,103 6,166 5,113 1,967 52,381 14,169 5,993 2,399	5,116 6,187 5,179 1,962 52,102 14,330 6,335 2,466	5,126 6,244 5,200 2,003 51,870 14,470 6,592 2,572	5,131 6,283 5,237 2,027 51,551 14,730 6,843 2,680	5,134 6,296 5,252 2,087 51,306 14,627 7,407 2,772	5,133 6,297 5,285 2,132 50,972 14,713 7,844 2,894	5,129 6,318 5,297 2,132 50,698 14,899 8,151 3,025	5,120 6,330 5,350 2,106 50,422 15,099 8,422 3,167	5,107 6,338 5,383 2,098 50,107 15,394 8,667 3,278	5,090 6,340 5,394 2,147 49,798 15,674 8,837 3,445	5,072 6,338 5,393 2,186 49,491 16,000 8,948 3,647	5,052 6,333 5,412 2,180 49,215 16,303 9,020 3,900	5,032 6,323 5,422 2,170 49,047 16,588 9,038 4,112	5,013 6,308 5,430 2,182 48,882 16,785 9,114 4,315	4,997 6,290 5,432 2,190 48,728 16,942 9,023 4,715	4,985 6,269 5,432 2,195 48,648 16,992 9,035 5,035	4,977 6,246 5,427 2,197 48,608 16,967 9,160 5,264	4,975 6,223 5,420 2,199 48,623 16,888 9,295 5,465	4,979 6,201 5,408 2,200 48,667 16,711 9,528 5,628	4,990 6,183 5,393 2,199 48,789 16,455 9,766 5,773
Dependency ratios, mea			91,777	92,149	92,536	92,911	93,290	93,677	94,077	94,482	94,879	95,271	95,649	96,015	96,371	96,725	97,076	97,414	97,731	98,029	98,316	98,590	98,847	99,088	99,322	99,548
0-15 / 16-65 65+ / 16-65 0-15 and 65+ / 16-65	0.28 0.28	0.28 0.30 0.58	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30 0.46 0.77	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31 0.54 0.85
Median age males Median age females Median age females Sex ratio males /100 females	0.56 41.9 43.2 8 97.1	42.2 43.6 97.2	0.59 42.6 44.0 97.3	0.59 42.9 44.3 97.4	0.60 43.2 44.6 97.4	0.62 43.4 45.0 97.5	0.63 43.6 45.3 97.6	0.64 43.7 45.5 97.7	0.65 43.7 45.7 97.8	0.66 43.7 45.9 97.8	0.67 43.6 46.0 97.9	0.68 43.6 46.1 97.9	0.69 43.7 46.1 97.9	0.71 43.7 46.1 97.9	0.72 43.8 46.2 98.0	0.74 43.8 46.3 98.0	0.75 43.9 46.5 98.0	43.9 46.6 98.0	0.78 44.0 46.7 98.1	0.79 44.1 46.8 98.1	0.81 44.1 46.8 98.1	0.82 44.2 47.0 98.2	0.83 44.3 47.0 98.2	0.84 44.5 47.1 98.3	0.85 44.6 47.2 98.3	44.8 47.3 98.4
Population impact of col Number of persons	nstraint +42	-44	-10	-2	-1	+1	+7	+3	+8	+10	+9	+16	+16	+21	+18	+17	+22	+22	+24	+17	+17	+19	+16	+11	+12	+404
Households Number of Households Change in Households over p Number of supply units Change in over previous year	40,906	39,483 +274 41,192 +286	39,762 +279 41,484 +291	40,061 +299 41,795 +312	40,368 +307 42,115 +320	40,707 +339 42,469 +354	41,053 +346 42,830 +361	41,396 +343 43,188 +358	41,726 +329 43,532 +344	42,060 +335 43,882 +349	42,388 +328 44,224 +342	42,709 +320 44,558 +334	43,026 +317 44,889 +331	43,311 +285 45,186 +298	43,606 +295 45,494 +308	43,879 +273 45,779 +285	44,162 +283 46,074 +295	44,430 +268 46,353 +279	44,681 +251 46,615 +262	44,940 +259 46,886 +271	45,177 +237 47,133 +247	45,409 +232 47,375 +242	45,632 +223 47,607 +233	45,841 +209 47,826 +218	46,046 +205 48,040 +214	46,244 +198 48,246 +206
Labour Force Number of Labour Force Change in Labour Force over Number of supply units Change in over previous yea	32,217	48,880 +89 32,834 +617	48,977 +97 32,899 +65	49,056 +79 32,952 +53	49,115 +59 33,030 +78	49,055 -60 33,029 -2	49,008 -47 33,036 +7	49,050 +41 33,102 +66	49,083 +33 33,163 +61	48,906 -176 33,044 -119	48,653 -253 32,873 -171	48,334 -319 32,657 -216	47,952 -382 32,399 -258	47,770 -182 32,276 -123	47,589 -181 32,153 -122	47,411 -178 32,033 -120	47,232 -178 31,912 -121	47,054 -178 31,792 -120	46,931 -123 31,709 -83	46,822 -108 31,636 -73	46,745 -77 31,583 -52	46,674 -71 31,535 -48	46,618 -56 31,497 -38	46,605 -13 31,488 -9	46,599 -5 31,485 -3	46,638 +38 31,511 +26

Population Estimates and Forecasts High Peak Natural Change

Components of F	Population Year begins		_	Н	ligh Pea	k																				
Births	2012-13 2		2014-15 20	015-16 20	016-17 20	017-18 20	018-19 20	19-20 20	020-21 20	021-22 20	022-23 20	023-24 20	024-25 20	025-26 20	026-27 20	027-28 20	028-29 2	029-30 2	030-31 20	31-32 20	032-33 20	033-34 20	34-35 20	35-36 20	36-37	
Male Female	489 466	493 469	493 470	496 473	497 473	499 475	501 477	505 481	509 485	511 487	513 489	515 491	516 492	517 492	516 492	515 491	513 489	510 486	507 483	504 480	500 476	496 473	493 470	490 467	486 463	
All Births	955	962	963	969	970	974	979	987	993	997	1,001	1,006	1,008	1,009	1,008	1,006	1,002	996	991	984	976	969	963	957	950	
TFR Births input	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
Deaths Male Female All deaths SMR: males SMR: females SMR: represons Expectation of life: males Expectation of life: persons Deaths input	410 441 850 108.4 110.3 109.4 78.4 82.5 80.5	395 416 811 101.7 103.5 102.6 79.3 83.2 81.3	393 410 803 98.5 100.8 99.6 79.7 83.4 81.6	398 409 807 96.6 99.2 97.9 79.9 83.6 81.8	396 411 807 93.2 97.6 95.4 80.4 83.8 82.1	403 407 809 91.6 94.5 93.0 80.6 84.1 82.4	407 410 817 89.5 93.1 91.2 80.9 84.3 82.6	410 411 821 87.2 91.0 89.1 81.2 84.5 82.9	416 413 829 85.4 89.2 87.2 81.4 84.7 83.1	421 417 838 83.5 87.6 85.5 81.8 84.9 83.4	426 419 845 81.6 85.4 83.4 82.0 85.2 83.6	433 424 857 80.1 84.2 82.1 82.2 85.3 83.8	440 429 869 78.7 82.7 80.6 82.4 85.5 84.0	448 436 885 77.3 81.7 79.4 82.7 85.7 84.2	456 442 897 76:1 80:1 78:0 82:9 85:9 84:4	462 448 910 74.6 78.8 76.6 83.1 86.0 84.6	471 456 927 73.5 77.7 75.5 83.3 86.2 84.8	480 464 944 72.5 76.7 74.5 83.4 86.4 84.9	490 475 964 71.6 76.1 73.7 83.7 86.5 85.1	498 481 979 70.6 74.8 72.6 83.8 86.7 85.3	505 489 995 69.5 73.8 71.5 84.0 86.8 85.4	515 499 1,014 68.8 72.9 70.7 84.2 87.0 85.6	524 507 1,031 68.0 71.9 69.9 84.3 87.1 85.7	532 513 1,045 67.2 71.0 69.0 84.5 87.3 85.9	539 521 1,060 66.5 70.3 68.3 84.7 87.4 86.0	
In-migration from the UK Male Female All SMigR: males 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 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 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 Female  All  SMigR: males  SMigR: females  Migrants input	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	
In-migration from Overso	eas 0	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 All SMigR: males SMigR: females Migrants input	0 0 0.0 0.0	0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0.0 0.0	0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0.0 0.0	0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0.0 0.0	0 0 0.0 0.0	0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0 0.0 0.0	0 0.0 0.0	
Out-migration to Overse Male Female All SMigR: males SMigR: females Migrants input	0 0 0 0.0 0.0	0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	0 0 0 0.0 0.0	
Migration - Net Flows UK Overseas	0	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 Natural change Net migration Net change Crude Birth Rate /000 Crude Death Rate /000 Crude Net Migration Rate /00	+105 0 +105 10.48 9.33	+151 0 +151 10.54 8.88 0.00	+160 0 +160 10.53 8.78 0.00	+162 0 +162 10.58 8.81 0.00	+164 0 +164 10.57 8.79 0.00	+165 0 +165 10.59 8.80 0.00	+162 0 +162 10.63 8.87 0.00	+166 0 +166 10.69 8.90 0.00	+165 0 +165 10.75 8.97 0.00	+160 0 +160 10.77 9.05 0.00	+157 0 +157 10.80 9.11 0.00	+149 0 +149 10.83 9.22 0.00	+139 0 +139 10.83 9.34 0.00	+124 0 +124 10.82 9.49 0.00	+110 0 +110 10.80 9.62 0.00	+96 0 +96 10.77 9.74 0.00	+75 0 +75 10.72 9.91 0.00	+52 0 +52 10.65 10.10 0.00	+26 0 +26 10.59 10.31 0.00	+5 0 +5 10.51 10.46 0.00	-18 0 -18 10.43 10.63 0.00	-44 0 -44 10.36 10.83 0.00	-68 0 -68 10.30 11.02 0.00	-88 0 -88 10.24 11.18 0.00	-111 0 -111 10.18 11.36 0.00	
Summary of Pop	ulation es	timates	s/foreca	ests																						
0-4 5-10 11-15 16-17 18-59Female, 64Male 60/65-74 75-84 85+ Total	2012 4,962 5,947 5,473 2,315 52,846 12,469 5,097 2,009	2013 4,902 6,002 5,301 2,249 52,708 12,824 5,216 2,022 91,223	2014 4,886 6,000 5,105 2,295 52,544 13,132 5,354 2,057	2015 4,860 6,004 4,944 2,310 52,359 13,440 5,517 2,098	2016 4,824 6,021 4,881 2,187 52,269 13,733 5,609 2,172 91,695	2017 4,800 5,979 4,923 2,035 52,126 13,945 5,777 2,273	2018 4,819 5,907 4,991 1,942 51,838 14,150 6,053 2,323	2019 4,836 5,854 5,026 1,928 51,441 14,312 6,400 2,388 92,185	2020 4,861 5,840 5,018 1,954 51,081 14,437 6,670 2,490 92,351	2021 4,885 5,820 5,019 1,963 50,607 14,701 6,923 2,598	2022 4,913 5,785 4,987 2,015 50,212 14,578 7,496 2,689	2023 4,941 5,765 4,955 2,052 49,707 14,655 7,946 2,810	2024 4,968 5,789 4,896 2,030 49,263 14,830 8,269 2,936	2025 4,990 5,815 4,880 1,981 48,816 15,008 8,555 3,075	2026 5,005 5,846 4,854 1,956 48,293 15,290 8,816 3,184 93,244	2027 5,016 5,875 4,818 1,984 47,768 15,544 8,994 3,357	2028 5,020 5,906 4,794 1,989 47,217 15,850 9,109 3,565	16,128 9,193 3,824	2030 5,005 5,968 4,831 1,906 46,242 16,376 9,206 4,044 93,577	2031 4,987 5,991 4,855 1,914 45,803 16,516 9,287 4,250 93,603	2032 4,964 6,005 4,880 1,922 45,360 16,624 9,188 4,666	2033 4,935 6,014 4,908 1,929 44,993 16,614 9,195 5,003	2034 4,903 6,015 4,935 1,934 44,662 16,529 9,323 5,245 93,546	2035 4,870 6,006 4,963 1,943 44,394 16,397 9,448 5,458	2036 4,836 5,989 4,985 1,956 44,176 16,135 9,683 5,631	2037 4,802 5,965 5,000 1,971 44,068 15,783 9,901 5,791
Dependency ratios, mea 0-15 / 16-65 65+ / 16-65 0-15 and 65+ / 16-65 Median age males Median age females Sex ratio males /100 females	0.28 0.28 0.28 0.56 41.9 43.2		0.28 0.31 0.58 42.7 44.1 97.3	0.27 0.32 0.59 43.1 44.4 97.4	0.27 0.33 0.60 43.4 44.8 97.4	0.28 0.34 0.61 43.7 45.2 97.5	0.28 0.35 0.62 43.9 45.5 97.6	0.28 0.36 0.63 44.1 45.8 97.6	0.28 0.36 0.64 44.2 46.1 97.7	0.28 0.37 0.66 44.2 46.3 97.8	0.28 0.38 0.67 44.1 46.5 97.8	0.28 0.40 0.68 44.1 46.6 97.8	0.29 0.41 0.69 44.1 46.6 97.9	0.29 0.42 0.71 44.0 46.7 97.9	0.29 0.44 0.73 43.9 46.7 97.9	0.29 0.45 0.75 43.9 46.8 98.0	0.30 0.47 0.77 44.0 46.9 98.0	0.30 0.49 0.79 43.8 47.0 98.0	0.31 0.50 0.81 43.8 47.0 98.0	0.31 0.52 0.83 43.8 46.9 98.0	0.31 0.54 0.85 43.8 46.9 98.1	0.32 0.55 0.87 43.8 46.9 98.1	0.32 0.57 0.88 43.8 46.8 98.1	0.32 0.58 0.90 43.9 46.8 98.1	0.32 0.59 0.91 44.1 46.8 98.1	0.32 0.60 0.92 44.2 46.7 98.1
Population impact of col	nstraint -30																									
Households Number of Households Change in Households over p Number of supply units Change in over previous year	40,906	39,364 +156 41,069 +162	39,549 +184 41,261 +192	39,746 +197 41,467 +206	39,940 +194 41,669 +202	40,172 +232 41,911 +242	40,376 +205 42,124 +213	40,601 +225 42,359 +235	40,818 +217 42,586 +227	41,024 +205 42,800 +214	41,223 +200 43,008 +208	41,423 +200 43,216 +208	41,616 +193 43,418 +201	41,776 +160 43,585 +167	41,942 +166 43,758 +173	42,079 +137 43,901 +143	42,224 +145 44,052 +152	+131	42,457 +102 44,295 +107	42,554 +97 44,397 +102	42,621 +67 44,467 +70	42,678 +57 44,526 +59	42,717 +39 44,567 +41	42,734 +17 44,584 +17	42,733 -1 44,584 -1	42,700 -33 44,549 -34
Labour Force Number of Labour Force Change in Labour Force over Number of supply units Change in over previous year	32,217	48,712 -79 32,721 +504	48,713 +2 32,722 +1	48,699 -14 32,712 -10	48,645 -54 32,714 +2	48,475 -170 32,638 -76	48,321 -153 32,573 -65	48,261 -60 32,570 -3	48,181 -81 32,553 -17	47,873 -307 32,346 -208	47,481 -393 32,080 -265	47,016 -465 31,766 -314	46,476 -540 31,402 -365	46,132 -344 31,169 -232	45,778 -354 30,930 -240	45,411 -367 30,682 -248	45,012 -399 30,413 -269	-415	44,237 -360 29,889 -243	43,894 -344 29,657 -232	43,576 -317 29,442 -214	43,246 -331 29,219 -224	42,933 -313 29,007 -212	42,681 -252 28,837 -170	42,446 -235 28,678 -159	42,269 -177 28,559 -119

Population Estimates and Forecasts High Peak Zero Net Migration

Components of Population Change High Peak																										
Births	Year beginr 2012-13 2				016-17 20	017-18 20	018-19 20	19-20 20	020-21 20	021-22 2	022-23 2	023-24 20	024-25 20	025-26 20	026-27 20	027-28 20	128-29 2	029-30 2	2030-31 20	31-32 20	032-33 20	033-34 20	134-35 20	035-36 20	136-37	
Male	494	506	513	521	525	528	530	532	532	531	528	526	522	518	514	510	506	502	499	497	495	494	494	495	496	
Female  All Births	470 964	482 988	1,002	497 1,018	1,025	1,031	1,035	1,039	1,039	1,036	1,032	501 1,026	1,020	1,012	1,004	486 996	482 988	478 981	475 975	473 970	472 967	471 965	471 965	471 966	472 967	
TFR Births input	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1,039	1.94	1.94	1,032	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
Deaths																										
Male Female	410 441 850	393 416 809	390 410	394 410 804	391 411 802	396 407	399 410 809	401 410 811	406 412 818	410 415 825	413 416 830	419 421 840	425 425 850	432 431 863	438 435	443 440	451 446 897	459 453 912	467 462	474 466 940	480 473	489 480 969	497 486	504 490 994	510 496	
All deaths SMR: males SMR: females	108.4 110.3	101.7 103.5	801 98.5 100.8	96.6 99.2	93.2 97.6	803 91.6 94.5	89.5 93.1	87.2 91.0	85.4 89.2	83.5 87.6	81.6 85.4	80.1 84.2	78.7 82.7	77.3 81.7	873 76.1 80.1	883 74.6 78.8	73.5 77.7	72.5 76.7	929 71.6 76.1	70.6 74.8	953 69.5 73.8	68.8 72.9	983 68.0 71.9	67.2 71.0	1,007 66.5 70.3	
SMR: persons Expectation of life: males	109.4 78.4	102.6 79.3	99.6 79.7	97.9 79.9	95.4 80.4	93.1 80.6	91.3 80.9	89.1 81.2	87.3 81.4	85.5 81.7	83.5 82.0	82.1 82.2	80.6 82.4	79.5 82.6	78.0 82.9	76.6 83.1	75.5 83.2	74.5 83.4	73.7 83.7	72.6 83.8	71.6 84.0	70.7 84.2	69.9 84.3	69.0 84.5	68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.3	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.1	85.9 84.4	86.1 84.6	86.2 84.7	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	87.0 85.5	87.2 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK Male	1,631	1,637	1,639	1,647	1,654	1,657	1,656	1,652	1,649	1,648	1,649	1,651	1,655	1,658	1,663	1,665	1,669	1,674	1,677	1,678	1,681	1,685	1,689	1,693	1,697	
Female All	1,765 3,396	1,768 3,405	1,764 3,403	1,764 3,410	1,764 3.418	1,761 3,419	1,755 3,410	1,748 3,400	1,741 3,390	1,738 3,386	1,737 3,386	1,738 3,389	1,744 3,399	1,749 3,407	1,756 3,418	1,762 3,427	1,770 3,439	1,781 3,455	1,790 3.467	1,797 3,475	1,805 3,487	1,814 3,499	1,821 3,510	1,827 3,520	1,834 3,531	
SMigR: males SMigR: females	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	0.0 0.1	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	
Migrants input  Out-migration to the UK	•	•	•	*	*	*	•	•	*	•	٠	•	•	•	*	•	•	•	•	•	•	•	•	•	•	
Male Female	1,583 1,813	1,589 1,816	1,587 1,816	1,590 1,820	1,596 1,822	1,597 1,822	1,597 1,813	1,596 1,804	1,593 1,797	1,592 1,794	1,594 1,792	1,597 1,792	1,604 1,794	1,609 1,798	1,613 1,805	1,618 1,809	1,623 1,816	1,630 1,825	1,636 1,831	1,638 1,837	1,643 1,844	1,647 1,852	1,651 1,860	1,654 1,866	1,659 1,872	
All SMigR: males	3,396 35.6	3,405 35.5	3,403 35.3	3,410 35.2	3,418 35.3	3,419 35.3	3,410 35.4	3,400 35.4	3,390 35.5	3,386 35.5	3,386 35.7	3,389 35.8	3,399 36.0	3,407 36.1	3,418 36.2	3,427 36.3	3,439 36.4	3,455 36.6	3,467 36.7	3,475 36.8	3,487 36.9	3,499 37.0	3,510 37.0	3,520 37.1	3,531 37.2	
SMigR: females Migrants input	40.5	40.3	40.3	40.4	40.5 *	40.5	40.5	40.5	40.5	40.6	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.8	41.9	42.0	42.1	42.3	42.5	42.6	42.7	
In-migration from Oversea		100	400	400	404	404	400	400	400	400	400	400	400	400	400	400	400	400	100	400	400	400	100	400	100	
Female	100	100	100	102	101	101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
All SMigR: males	182 0.0	182 0.0	182 0.0	187 0.0	184 0.0	184 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	182 0.0	
SMigR: females Migrants input	0.0	0.0	0.0	0.0 *	0.0	0.0 *	0.0	• 0.0	0.0	• 0.0	0.0	* 0.0	0.0	• 0.0	* 0.0	0.0	• 0.0	0.0	0.0	• 0.0	• 0.0	0.0	0.0	0.0	0.0	
Out-migration to Overseas	<b>S</b> 102	102	102	105	103	104	103	103	103	103	103	103	103	103	104	104	104	104	104	104	104	104	104	104	104	
Female All	80 182	80 182	80 182	82 187	80 184	81 184	79 182	79 182	79 182	79 182	79 182	79 182	79 182	79 182	79 182	78 182	78 182	78 182	78 182	78 182	78 182	78 182	78 182	78 182	78 182	
SMigR: males SMigR: females Migrants input	41.6 41.6	41.3 41.3	41.0 41.0	41.8 41.8	41.0 41.0	41.1 41.1	40.6 40.6	40.8 40.8	40.9 40.9	41.2 41.2	41.4 41.4	41.6 41.6	41.9 41.9	42.1 42.1	42.2 42.2	42.4 42.4	42.5 42.5	42.6 42.6	42.7 42.7	42.7 42.7	42.8 42.8	42.8 42.8	42.8 42.8	42.8 42.8	42.8 42.8	
Migration - Net Flows UK	+0	-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	-0	+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 cl Natural change	+114	+178	+201	+214	+223	+228	+226	+227	+222	+212	+202	+187	+170	+149	+131	+113	+91	+69	+46	+30	+14	-4	-18	-29	-39	
Net migration Net change Crude Birth Rate /000	+0 +114 10.57	-0 +178 10.81	+0 +201 10.95	-0 +214 11.10	+0 +223 11.15	+0 +228 11.18	+0 +226 11.20	+0 +227 11.22	+0 +222 11.20	-0 +212 11.14	-0 +202 11.06	-0 +187 10.98	-0 +170 10.89	-0 +149 10.79	-0 +131 10.69	-0 +113 10.59	+0 +91 10.49	-0 +69 10.41	-0 +46 10.34	+0 +30 10.28	+0 +14 10.25	+0 -4 10.23	+0 -18 10.22	+0 -29 10.24	-0 -39 10.26	
Crude Death Rate /000 Crude Net Migration Rate /000	9.33	8.86	8.75 0.00	8.76 0.00	8.72 0.00	8.71 0.00	8.76 0.00	8.76 0.00	8.81 0.00	8.86	8.90 0.00	8.99 0.00	9.07 0.00	9.20 0.00	9.29 0.00	9.39	9.53 0.00	9.68	9.85	9.97	10.10	10.27	10.42	10.54	10.68	
Summary of Popu	lation es	timates	/foreca	asts																						
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10 11-15	4,962 5,947 5,473	4,951 5,990 5,267	4,992 5,982 5,104	5,028 5,994 4,972	5,056 6,032 4,926	5,087 6,028 4,973	5,145 6,011 5,038	5,184 6,018 5,076	5,213 6,062 5,085	5,228 6,100 5,106	5,235 6,121 5,110	5,231 6,143 5,123	5,219 6,188 5,112	5,197 6,217 5,141	5,169 6,235 5,162	5,136 6,238 5,173	5,100 6,231 5,185	5,061 6,214 5,221	5,022 6,190 5,243	4,986 6,157 5,255	4,952 6,119 5,258	4,924 6,077 5,253	4,902 6,034 5,240	4,887 5,990 5,220	4,879 5,948 5,195	4,878 5,910 5,164
11-15 16-17 18-59Female, 64Male	5,473 2,315 52,846	5,267 2,144 52,833	5,104 2,085 52,740	2,049 52,579	1,951 52,454	1,834 52,290	5,038 1,764 52,017	1,763 51,666	5,085 1,791 51,362	1,800 50,970	5,110 1,841 50,648	5,123 1,873 50,245	1,871 49,895	5,141 1,851 49,555	1,840 49,180	5,1/3 1,870 48,811	1,888 48,441	1,866 48,094	1,856 47,841	1,874 47,599	1,886 47,373	1,893 47,219	1,896 47,107	1,896 47,047	1,895 47,017	1,891 47,057
60/65 -74 75-84	12,469 5,097	12,826 5,202	13,128	13,420 5,477	13,691	13,869 5,712	14,029 5,972	14,134 6,302	14,209 6,555	14,400 6,795	14,228 7,348	14,230 7,778	14,328 8,085	14,426 8,356	14,608 8,605	14,775 8,775	14,972	15,142 8,966	15,314 8,970	15,396 9,030	15,444 8,917	15,396 8,899	15,283 8,982	15,133 9,061	14,891	14,584
85+ Total	2,009 91,118	2,019 91,232	2,051 91,410	2,091 91,611	2,161 91,826	2,256 92,049	2,300 92,276	2,360 92,503	2,454 92,730	2,551 92,952	2,634 93,164	2,742 93,366	2,855 93,552	2,979 93,722	3,073 93,872	3,225 94,003	3,410 94,116	3,642 94,207	3,840 94,275	4,025 94,321	4,403 94,351	4,704 94,365	4,918 94,361	5,107 94,342	5,260 94,314	5,399 94,274
Dependency ratios, mean 0-15 / 16-65	age and sex	ratio	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
65+ / 16-65 0-15 and 65+ / 16-65	0.28	0.30	0.31	0.32	0.33	0.34	0.34	0.36	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.44	0.45	0.46	0.47	0.49	0.50	0.51	0.51	0.52	0.53	0.53
Median age males Median age females	41.9 43.2	42.2 43.5	42.5 43.8	42.7 44.0	42.9 44.3	43.0 44.4	43.0 44.6	43.0 44.7	42.9 44.7	42.8 44.7	42.8 44.5	42.8 44.4	42.9 44.4	43.0 44.4	43.0 44.4	43.2 44.5	43.3 44.5	43.4 44.6	43.5 44.6	43.6 44.7	43.8 44.8	43.9 44.9	44.1 45.0	44.3 45.1	44.4 45.2	44.6 45.3
Sex ratio males /100 females	97.1	97.4	97.7	98.0	98.3	98.6	99.0	99.3	99.6	99.9	100.2	100.5	100.7	101.0	101.2	101.5	101.7	101.9	102.1	102.3	102.5	102.7	102.9	103.1	103.2	103.4
Population impact of cons Number of persons	straint -30																									
Households Number of Households	39,209	39,454	39,728	40,008	40,281	40,576	40,845	41,121	41,377	41,623	41,859	42,088	42,311	42,502	42,706	42,881	43,061	43,224	43,364	43,502	43,615	43,714	43,805	43,872	43,934	43,974
Change in Households over pro Number of supply units	evious year 40,906	+246 41,162	+274 41,448	+280 41,741	+273 42,025	+295 42,332	+269 42,614	+276 42,902	+255 43,168	+247 43,426	+236 43,671	+229 43,911	+223 44,143	+191 44,342	+204 44,555	+175 44,737	+180 44,925	+163 45,096	+140 45,242	+138 45,386	+113 45,503	+100 45,607	+90 45,701	+68 45,772	+61 45,836	+40 45,878
Change in over previous year		+256	+285	+293	+284	+307	+281	+288	+266	+258	+246	+239	+233	+199	+213	+183	+188	+170	+146	+144	+118	+104	+94	+71	+64	+42
Labour Force Number of Labour Force	48,791	48,806	48,881	48,912	48,893	48,747	48,601	48,546	48,480	48,209	47,870	47,477	47,032	46,775	46,518	46,261	46,000	45,743	45,538	45,351	45,191	45,037	44,901	44,807	44,721	44,674
Change in Labour Force over p Number of supply units	orevious year 32,217	+15 32,784	+74 32,834	+32 32,856	-19 32,881	-147 32,821	-145 32,761	-55 32,762	-67 32,755	-271 32,572	-338 32,344	-394 32,078	-445 31,777	-257 31,603	-257 31,430	-257 31,257	-262 31,080	-257 30,906	-204 30,768	-187 30,641	-160 30,533	-153 30,430	-136 30,338	-95 30,274	-85 30,216	-48 30,184
Change in over previous year		+568	+50	+21	+26	-60	-60	+1	-7	-183	-229	-266	-301	-173	-173	-174	-177	-174	-138	-127	-108	-104	-92	-64	-58	-32

Population Estimates and Forecasts High Peak Short Term Migration

Components of Po	opulation Year beginn	_		Н	ligh Pea	k																				
Births	2012-13 2	013-14 2	2014-15 20																2030-31 20						36-37	
Male Female	491 467	497 473	499 475	503 479	503 479	503 479	503 479	502 478	501 477	498 474	495 471	491 468	487 464	483 460	479 456	475 452	471 449	467 445	465 442	462 440	461 439	460 438	460 438	460 438	461 439	
All Births TFR	958 1.94	970 1.95	974 1.95	982 1.96	981 1.95	982 1.95	981 1.94	981 1.94	978 1.94	972 1.94	966 1.94	959 1.94	951 1.94	943 1.94	935 1.94	927 1.94	920 1.94	913 1.94	907 1.94	903 1.94	900 1.94	898 1.94	898 1.94	898 1.94	900 1.94	
Births input  Deaths																										
Male Female	410 441	394 417	392 411	397 411	395 413	401 409	405 413	408 414	413 416	418 420	422 422	429 427	435 432	443 439	450 444	455 450	464 458	472 466	480 476	488 482	495 489	504 498	512 506	519 512	526 519	
All deaths SMR: males SMR: females	850 108.4	811 101.7	803 98.5	96.6	807 93.2 97.6	810 91.6 94.5	818 89.5	822 87.2 91.0	829 85.4	838 83.5 87.6	844 81.6	856 80.1	867 78.7	77.3	894 76.1	905 74.6	921 73.5	938 72.5	956 71.6	969 70.6	984 69.5	1,002 68.8	1,018 68.0	1,031 67.2	1,045 66.5	
SMR: persons Expectation of life: males	110.3 109.4 78.4	103.5 102.6 79.3	100.8 99.6 79.7	99.2 97.9 79.9	95.4 80.4	93.0 80.6	93.1 91.3 80.9	89.1 81.2	89.2 87.3 81.4	85.5 81.7	85.4 83.4 82.0	84.2 82.1 82.2	82.7 80.6 82.4	81.7 79.5 82.6	80.1 78.0 82.9	78.8 76.6 83.1	77.7 75.5 83.3	76.7 74.5 83.4	76.1 73.7 83.7	74.8 72.6 83.8	73.8 71.6 84.0	72.9 70.8 84.2	71.9 69.9 84.3	71.0 69.0 84.5	70.3 68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.4	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.2	85.9 84.4	86.0 84.6	86.2 84.7	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	87.0 85.6	87.1 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK Male	1,633	1,635	1,637	1,639	1,641	1,643	1,645	1,646	1,648	1,649	1,651	1,652	1,653	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654	1,654	
Female All	1,756 3,389	1,754 3,389	1,752 3,389	1,750 3,389	1,748 3,389	1,746 3,389	1,744 3,389	1,743 3,389	1,741 3,389	1,740 3,389	1,738 3,389	1,737 3,389	1,736 3,389	1,735 3,389												
SMigR: males SMigR: females	0.0 0.1	0.0	0.0 0.1	0.0 0.1	0.0 0.1	0.0	0.0	0.0 0.1	0.0	0.0 0.1	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	
Migrants input  Out-migration to the UK																										
Male Female	1,575 1,702	1,574 1,703	1,578 1,699	1,580 1,697	1,583 1,694	1,580 1,697	1,579 1,698	1,579 1,698	1,583 1,694	1,589 1,688	1,596 1,681	1,595 1,682	1,595 1,682	1,593 1,684	1,600 1,677	1,595 1,682	1,595 1,682	1,590 1,687	1,588 1,689	1,589 1,688	1,588 1,689	1,586 1,691	1,586 1,691	1,586 1,691	1,585 1,692	
All SMigR: males SMigR: females	3,277 35.4 38.0	3,277 35.2 38.0	3,277 35.1 37.9	3,277 35.1 37.8	3,277 35.0 37.8	3,277 34.9 37.9	3,277 35.0 38.0	3,277 35.1 38.2	3,277 35.2 38.3	3,277 35.5 38.4	3,277 35.7 38.4	3,277 35.7 38.5	3,277 35.7 38.6	3,277 35.7 38.7	3,277 35.9 38.5	3,277 35.8 38.6	3,277 35.8 38.6	3,277 35.7 38.6	3,277 35.6 38.6	3,277 35.6 38.6	3,277 35.5 38.5	3,277 35.5 38.6	3,277 35.5 38.5	3,277 35.4 38.5	3,277 35.4 38.5	
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
In-migration from Overse  Male	as 114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	
Female	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
All SMigR: males SMigR: females Migrants input	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	215 0.0 0.0	0.0 0.0	215 0.0 0.0							
Out-migration to Oversea	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	
Female All	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	84 192	
SMigR: males SMigR: females Migrants input	43.8 44.0	43.6 43.9	43.4 43.9	43.2 43.8	43.1 43.7	43.0 43.8	43.0 43.9	43.1 44.2	43.2 44.5	43.4 44.8	43.6 45.2	43.8 45.6	43.9 46.0	44.1 46.3	44.2 46.5	44.3 46.8	44.4 46.9	44.4 47.0	44.4 47.1	44.4 47.1	44.4 47.1	44.4 47.1	44.4 47.2	44.4 47.2	44.4 47.2	
Migration - Net Flows UK Overseas	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112 +23	+112	+112 +23	+112 +23	+112 +23	+112	+112 +23	+112 +23	+112	+112 +23	+112 +23	+112 +23	+112 +23	+112	+112 +23	+112	
Summary of population c		+23	+23	+20	+23	+23	+23	+23	+23	+20	+23	+23	+23	+23	+23	+23	+20	+23	+23	+23	+23	+23	+23	+23	+20	
Natural change Net migration	+108	+159 +135	+171 +135	+174	+174	+172 +135	+164 +135	+159 +135	+149 +135	+135 +135	+122 +135	+103 +135	+84 +135	+61 +135	+41 +135	+22 +135	-2 +135	-25 +135	-49 +135	-67 +135	-84 +135	-103 +135	-120 +135	-132 +135	-146 +135	
Net change Crude Birth Rate /000	+243 10.50	+294 10.60	+306 10.61	+309 10.66	+309 10.62	+307 10.59	+299 10.55	+294 10.51	+284 10.45	+270 10.35	+257 10.26	+238 10.16	+219 10.05	+196 9.95	+176 9.84	+157 9.74	+133 9.64	+110 9.56	+86 9.49	+68 9.44	+51 9.41	+32 9.38	+15 9.37	+3 9.38	-11 9.40	
Crude Death Rate /000 Crude Net Migration Rate /000	9.32 1.48	8.86 1.48	8.75 1.47	8.77 1.47	8.74 1.46	8.74 1.46	8.79 1.45	8.80 1.45	8.86 1.44	8.92 1.44	8.96 1.43	9.06 1.43	9.16 1.43	9.30 1.42	9.41 1.42	9.51 1.42	9.66 1.42	9.82 1.41	10.01 1.41	10.14 1.41	10.28 1.41	10.46 1.41	10.63 1.41	10.76 1.41	10.92 1.41	
Summary of Popu	ılation est	imates	/foreca	ists																						
0-4	2012 4,962	2013 4,960	2014 4,999	2015 5,019	2016 5,019	2017 5,014	2018 5,036	2019 5,046	2020 5,049	2021 5,043	2022 5,031	2023 5,013	2024 4,988	2025 4,957	2026 4,921	2027 4,882	2028 4,841	2029 4,799	2030 4,759	2031 4,722	2032 4,690	2033 4,663	2034 4,642	2035 4,628	2036 4,620	2037 4,618
5-10 11-15 16-17	5,947 5,473 2,315	6,020 5,291 2,205	6,044 5,110 2,208	6,084 4,968 2,198	6,147 4,923 2,084	6,166 4,981 1,948	6,163 5,066 1,865	6,171 5,128 1,857	6,209 5,156 1,889	6,231 5,197 1,908	6,228 5,215 1,963	6,218 5,243 2,007	6,234 5,240 2,009	6,238 5,272 1,990	6,234 5,286 1,983	6,218 5,282 2,024	6,195 5,270 2,053	6,164 5,286 2,032	6,127 5,288 2,015	6,083 5,285 2,025	6,035 5,273 2,031	5,986 5,255 2,034	5,936 5,231 2,032	5,888 5,201 2,029	5,843 5,165 2,024	5,802 5,125 2,016
18-59Female, 64Male 60/65 -74	52,846 12,469	52,821 12,828	52,746 13,140	52,632 13,450	52,577 13,747	52,468 13,965	52,226 14,173	51,888 14,337	51,586 14,472	51,185 14,731	50,854 14,628	50,433 14,715	50,063 14,901	49,695 15,099	49,280 15,390	48,872 15,665	48,454 15,977	48,057 16,264	47,762 16,533	47,463 16,717	47,177 16,856	46,962 16,888	46,786 16,844	46,663 16,751	46,570 16,553	46,548 16,279
75-84 85+	5,097 2,009	5,213 2,022	5,350 2,059	5,508 2,102	5,596 2,177	5,760 2,277	6,028 2,328	6,364 2,393	6,624 2,493	6,870 2,598	7,425 2,688	7,856 2,805	8,166 2,925	8,439 3,057	8,689 3,158	8,860 3,318	8,973 3,512	9,055 3,752	9,079 3,956	9,160 4,150	9,071 4,539	9,088 4,849	9,212 5,073	9,346 5,266	9,578 5,422	9,809 5,565
Total  Dependency ratios, mean	91,118	91,361 ratio	91,655	91,961	92,270	92,579	92,886	93,185	93,479	93,763	94,032	94,289	94,527	94,746	94,943	95,119	95,276	95,409	95,519	95,605	95,673	95,724	95,756	95,771	95,774	95,763
0-15 / 16-65 65+ / 16-65	0.28 0.28	0.28 0.30	0.28 0.31	0.28 0.32	0.28 0.32	0.28 0.33	0.29 0.34	0.29 0.35	0.29 0.36	0.29 0.37	0.29 0.38	0.29 0.39	0.30 0.40	0.30 0.41	0.30 0.43	0.30 0.44	0.30 0.46	0.30 0.47	0.30 0.49	0.30 0.50	0.30 0.51	0.30 0.52	0.30 0.54	0.30 0.55	0.30 0.56	0.30 0.56
0-15 and 65+ / 16-65 Median age males	0.56 41.9	0.58 42.2	0.58 42.6	0.59 42.9	0.60 43.2	0.62 43.4	0.63 43.6	0.64 43.7	0.65 43.8	0.66 43.8	0.67 43.7	0.68 43.8	0.70 43.9	0.71 43.9	0.73 44.0	0.74 44.1	0.76 44.2	0.77 44.2	0.79 44.3	0.80 44.4	0.82 44.5	0.83 44.6	0.84 44.7	0.85 44.8	0.86 45.0	0.87 45.2
Median age females Sex ratio males /100 females	43.2 97.1	43.6 97.2	44.0 97.3	44.4 97.4	44.7 97.4	45.1 97.5	45.4 97.6	45.6 97.7	45.9 97.8	46.1 97.9	46.3 97.9	46.4 98.0	46.5 98.0	46.6 98.0	46.7 98.1	46.8 98.1	47.0 98.1	47.2 98.1	47.4 98.2	47.5 98.2	47.6 98.3	47.8 98.3	47.9 98.4	48.1 98.5	48.2 98.5	48.3 98.6
Population impact of con- Number of persons	straint -27																									
Households Number of Households	39.209	39.448	39,717	39,992	40,264	40,568	40,849	41,133	41.398	41,655	41,903	42,144	42,380	42,589	42,812	43,004	43,204	43,387	43,553	43,722	43,865	43,998	44,121	44,223	44,319	44,396
Change in Households over pr Number of supply units		+239 41,156	+269 41,437	+275 41,723	+272 42,007	+304 42,325	+281 42,618	+284 42,914	+264 43,190	+257 43,458	+248 43,717	+241 43,969	+2,360 +236 44,215	+209 44,433	+223 44,666	+192 44,866	+199 45,074	+184 45,266	+166 45,439	+169 45,615	+143 45,764	+133 45,903	+123 46,031	+102 46,137	+97 46,238	+77 46,318
Change in over previous year	.,	+250	+281	+287	+284	+317	+293	+297	+276	+268	+259	+252	+246	+218	+232	+201	+208	+191	+173	+176	+149	+138	+129	+106	+101	+80
Labour Force Number of Labour Force	48.791	48,842	48.946	49,008	49.030	48,934	48.842	48,831	48.801	48,553	48,231	47.841	47,389	47,129	46.862	46,592	46.307	46.022	45.788	45,567	45,371	45,178	44.999	44.862	44,731	44,639
Change in Labour Force over Number of supply units		+51 32,808	+105 32,879	+61 32,920	+22 32,973	-96 32,947	-91 32,924	-12 32,954	-30 32,972	-247 32,805	-322 32,587	-390 32,324	-452 32,018	-260 31,843	-267 31,663	-271 31,480	-284 31,287	-286 31,095	-233 30,937	-222 30,787	-195 30,655	-193 30,525	-179 30,404	-137 30,311	-131 30,223	-92 30,161
Change in over previous year		+591	+70	+41	+53	-26	-23	+31	+18	-167	-218	-264	-305	-176	-180	-183	-192	-193	-158	-150	-132	-131	-121	-93	-88	-62

Population Estimates and Forecasts High Peak Long Term Migration

Components of Po	pulation Year beginn	_	•	н	ligh Pea	k																				
Births	2012-13 20			 15-16 20	116-17 20	017-18 20	018-19 20	19-20 20	020-21 20	021-22 2	022-23 20	023-24 20	024-25 20	025-26 20	026-27 20	27-28 20	128-29 2	029-30 2	2030-31 20	31-32 20	032-33 20	033-34 20	34-35 20	135-36 20	036-37	
Male	492 468	499	503 479	508	510	512 487	513	514	514	513 488	511 486	508 484	506	502 479	499	496	493	490	488 465	487	486	487	487	489	491	
Female  All Births	960	475 975	982	484 992	486 995	999	1,002	1,004	1,004	1,001	997	992	482 987	981	475 975	472 969	470 963	467 957	953	464 951	463 950	463 950	464 951	465 954	467 958	
TFR Births input	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
Deaths																										
Male Female	410 441	395 417	393 412	398 412	396 414	402 410	406 415	409 416	415 419	420 423	425 425	431 431	438 436	446 443	453 448	459 455	467 463	476 471	485 482	493 488	500 496	509 505	518 513	525 519	533 527	
All deaths SMR: males SMR: females	850 108.4 110.3	811 101.7 103.5	805 98.5 100.8	810 96.6 99.2	810 93.2 97.6	813 91.6 94.5	821 89.5 93.1	825 87.2 91.0	834 85.4 89.2	843 83.5 87.6	849 81.6 85.4	862 80.1 84.2	873 78.7 82.7	889 77.3 81.7	901 76.1 80.1	913 74.6 78.8	930 73.5 77.7	947 72.5 76.7	966 71.6 76.1	980 70.6 74.8	995 69.5 73.8	1,014 68.8 72.9	1,031 68.0 71.9	1,044 67.2 71.0	1,060 66.5 70.3	
SMR: persons Expectation of life: males	109.4 78.4	102.6 79.3	99.6 79.7	97.9 79.9	95.4 80.4	93.1 80.6	91.3 80.9	89.1 81.2	87.3 81.4	85.5 81.7	83.4 82.0	82.1 82.2	80.6 82.4	79.5 82.6	78.0 82.9	76.6 83.1	75.5 83.3	74.5 83.4	73.8 83.7	72.6 83.8	71.6 84.0	70.8 84.2	69.9 84.3	69.0 84.5	68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.4	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.2	85.9 84.4	86.0 84.6	86.2 84.8	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	87.0 85.6	87.1 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK	1,755	1,757	1.759	1,761	1,763	1.765	1,767	1,769	1,770	1,772	1,773	1,775	1.776	1,777	1,778	1,777	1,777	1.777	1.777	1,777	1,777	1,777	1,777	1,777	1,777	
Female All	1,886	1,884	1,882	1,880	1,878	1,876	1,874	1,872	1,871	1,869	1,868	1,866	1,865	1,864	1,863	1,864	1,864	1,864	1,864	1,864	1,864	1,864	1,864	1,864	1,864	
SMigR: males SMigR: females	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.1 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	3,641 0.0 0.1	
Migrants input	•	*	•	*	*		•			*	•	*	•	•	*	•		•	•		•	•		•	•	
Out-migration to the UK Male	1,612	1,611	1,615	1,617	1,620	1,618	1,617	1,616	1,620	1,627	1,633	1,633	1,633	1,631	1,638	1,633	1,632	1,628	1,626	1,627	1,626	1,624	1,624	1,624	1,623	
Female All	1,743 3,355	1,744 3,355	1,740 3,355	1,738 3,355	1,735 3,355	1,737 3,355	1,738 3,355	1,739 3,355	1,735 3,355	1,728 3,355	1,722 3,355	1,722 3,355	1,722 3,355	1,724 3,355	1,717 3,355	1,722 3,355	1,723 3,355	1,727 3,355	1,729 3,355	1,728 3,355	1,729 3,355	1,731 3,355	1,731 3,355	1,731 3,355	1,732 3,355	
SMigR: males SMigR: females Migrants input	36.2 38.9	36.0 38.8	35.8 38.6	35.7 38.5	35.6 38.3	35.5 38.4	35.4 38.4	35.5 38.5	35.6 38.6	35.8 38.6	35.9 38.5	35.9 38.5	35.9 38.5	35.8 38.5	35.9 38.3	35.8 38.4	35.7 38.3	35.5 38.2	35.4 38.1	35.3 38.0	35.2 37.9	35.1 37.8	35.0 37.7	34.9 37.6	34.8 37.6	
In-migration from Oversea	<b>is</b>	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	
Female	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	
All SMigR: males SMigR: females Migrants input	220 0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0	
Out-migration to Overseas																										
Male Female All	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	144 113 257	
SMigR: males SMigR: females	58.6 58.9	58.2 58.6	57.8 58.4	57.5 58.1	57.2 57.9	57.1 57.9	56.9 57.9	57.0 58.0	57.0 58.3	57.2 58.7	57.3 59.0	57.5 59.4	57.6 59.7	57.7 60.0	57.8 60.3	57.8 60.4	57.8 60.5	57.8 60.5	57.7 60.5	57.6 60.4	57.5 60.2	57.4 60.1	57.3 60.1	57.2 59.9	57.1 59.9	
Migrants input  Migration - Net Flows																										
UK Overseas	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	+286 -37	
Summary of population ch Natural change	nange +109	+163	+177	+183	+186	+186	+181	+178	+170	+158	+147	+131	+114	+92	+73	+55	+32	+10	-13	-29	-46	-64	-79	-90	-102	
Net migration Net change	+249 +358	+249	+249	+249 +432	+249	+249 +435	+249	+249 +427	+249 +419	+249 +407	+249	+249	+249	+249 +341	+249 +322	+249 +304	+249 +281	+249 +259	+249	+249 +220	+249 +203	+249 +185	+249 +170	+249 +159	+249 +147	
Crude Birth Rate /000 Crude Death Rate /000	10.51 9.32	10.63 8.85	10.66 8.74	10.72 8.75	10.71 8.71	10.70 8.70	10.67 8.75	10.65 8.76	10.60 8.80	10.53 8.86	10.44 8.89	10.35 8.99	10.26 9.07	10.15 9.20	10.05 9.30	9.96 9.39	9.87 9.53	9.78 9.68	9.72 9.86	9.67 9.97	9.64 10.11	9.62 10.27	9.62 10.42	9.63 10.55	9.66 10.69	
Crude Net Migration Rate /000	2.73	2.72	2.70	2.69	2.68	2.67	2.65	2.64	2.63	2.62	2.61	2.60	2.59	2.58	2.57	2.56	2.55	2.55	2.54	2.53	2.53	2.52	2.52	2.51	2.51	
Summary of Popul																										
0-4 5-10	2012 4,962 5,947	2013 4,973 6,027	2014 5,026 6.059	2015 5,061 6,109	2016 5,076	2017 5,086 6,216	2018 5,125 6,228	2019 5,150 6,252	2020 5,169 6.306	2021 5,178 6.347	2022 5,181 6.362	2023 5,176 6,370	2024 5,165 6.405	2025 5,147 6.428	2026 5,122 6.442	2027 5,093 6,443	2028 5,062 6,437	2029 5,029 6.422	2030 4,998 6.399	2031 4,969 6.370	2032 4,945 6.334	2033 4,926 6,297	2034 4,914 6,258	2035 4,909 6,220	2036 4,910 6,185	2037 4,918 6,154
11-15 16-17	5,947 5,473 2,315	5,295 2,206	5,119 2,210	4,982 2,201	6,183 4,942 2,089	5,006 1,955	5,097 1,874	5,167 1,868	5,203 1,902	5,253 1,924	5,283 1,981	5,323 2,028	5,333 2,035	5,378 2,019	5,442 5,408 2,017	5,418 2,063	5,422 2,098	5,453 2,083	5,470 2,071	5,482 2,088	5,485 2,100	5,481 2,109	5,470 2,113	5,453 2,116	5,429 2,116	5,400 2,114
18-59Female, 64Male 60/65 -74	52,846 12,469	52,900 12,834	52,903 13,153	52,867 13,471	52,889 13,776	52,857 14,002	52,690 14,220	52,428 14,392	52,201 14,537	51,875 14,806	51,618 14,715	51,271 14,813	50,974 15,011	50,680 15,223	50,341 15,528	50,008 15,816	49,668 16,143	49,350 16,444	49,136 16,727	48,920 16,925	48,719 17,079	48,592 17,122	48,508 17,090	48,480 17,006	48,483 16,818	48,560 16,551
75-84 85+	5,097 2,009	5,216 2,025	5,355 2,063	5,515 2,109	5,605 2,185	5,772 2,287	6,043 2,340	6,381 2,408	6,644 2,509	6,893 2,616	7,452 2,708	7,887 2,827	8,202 2,950	8,480 3,084	8,735 3,187	8,910 3,349	9,030 3,546	9,117 3,789	9,148 3,997	9,235 4,193	9,152 4,588	9,176 4,902	9,308 5,130	9,451 5,327	9,691 5,488	9,933 5,635
Total  Dependency ratios, mean	91,118	91,476	91,888	92,315	92,746	93,181	93,616	94,046	94,473	94,892	95,300	95,696	96,076	96,438	96,780	97,102	97,406	97,687	97,946	98,182	98,402	98,605	98,790	98,960	99,119	99,266
0-15 / 16-65 65+ / 16-65	0.28 0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29 0.36	0.29 0.37	0.30	0.30	0.30	0.30 0.41	0.30 0.42	0.30	0.30 0.45	0.31	0.31	0.31	0.31	0.31 0.51	0.31	0.31 0.53	0.31 0.54	0.31
0-15 and 65+ / 16-65 Median age males	0.56 41.9	0.58 42.2	0.58 42.6	0.59 42.9	0.60 43.1	0.61 43.3	0.63 43.4	0.64 43.5	0.65 43.5	0.66 43.5	0.67 43.4	0.68 43.5	0.70 43.5	0.71 43.5	0.72 43.6	0.74 43.6	0.75 43.7	0.77 43.8	0.78 43.8	0.80 43.9	0.81 44.0	0.82 44.1	0.83 44.2	0.84 44.3	0.85	0.86 44.6
Median age females Sex ratio males /100 females	43.2 97.1	43.6 97.1	44.0 97.2	44.3 97.3	44.6 97.3	44.9 97.4	45.2 97.5	45.4 97.5	45.6 97.6	45.8 97.7	45.9 97.7	46.0 97.7	46.0 97.7	46.1 97.8	46.2 97.8	46.3 97.8	46.5 97.8	46.6 97.8	46.7 97.8	46.8 97.9	46.9 97.9	47.0 97.9	47.2 98.0	47.3 98.0	47.4 98.1	47.5 98.1
Population impact of cons Number of persons	straint -27																									
Households Number of Households	39.209	39.483	39.790	40.103	40,415	40,759	41,082	41,410	41,718	42,020	42,313	42,600	42,883	43,139	43,410	43,651	43,899	44.133	44,350	44,571	44,767	44,953	45.131	45,288	45,442	45,576
Change in Households over pre Number of supply units	,	+275 41,193	+307 41,513	+313 41,839	+312 42,164	+345 42,524	+323 42,861	+327 43,203	+308 43,524	+302 43,839	+293 44,145	+2,600 +287 44,445	+2,003 +283 44,740	+256 45,007	+271 45,290	+241 45,541	+249 45,800	+233 46,044	+217 46,270	+221 46,500	+196 46,705	+186 46,900	+178 47,085	+157 47,249	+153 47,409	+135 47,550
Change in over previous year	•	+286	+320	+327	+325	+360	+337	+342	+321	+315	+306	+299	+295	+267	+283	+251	+259	+244	+226	+231	+205	+194	+186	+164	+160	+141
Labour Force Number of Labour Force	48.791	48.909	49.083	49,213	49.304	40.077	49,254	49,312	49,351	40.170	48.918	48,594	48 000	48.016	47,818	47,617	47.403	47,190	47,030	46.884	46,766	46,652	46,555	AR ECC	AC 45 4	40 440
Number of Labour Force Change in Labour Force over p Number of supply units	-, -	48,909 +118 32,854	49,083 +173 32.970	49,213 +130 33.058	49,304 +91 33,158	49,277 -27 33,178	49,254 -23 33,201	49,312 +58 33,279	49,351 +39 33.344	49,172 -179 33,223	48,918 -255 33.051	48,594 -324 32,833	48,208 -387 32,571	48,016 -192 32,442	47,818 -198 32,308	47,617 -201 32,172	47,403 -214 32.028	-213	47,030 -160 31,776	46,884 -146 31,677	46,766 -118 31,597	46,652 -114 31,520	46,555 -97 31,455	46,500 -54 31,418	46,454 -46 31,387	46,449 -6 31,383
Change in over previous year		+637	+116	+87	+100	+20	+23	+78	+65	-121	-172	-219	-261	-129	-134	-136	-144	-144	-108	-99	-80	-77	-66	-37	-31	-4

Population Estimates and Forecasts High Peak Oxford Economics

Population Esti	S	·	ngn Pe	eak Oxi	ora Eco	nomic	S																			
Components of Po	Components of Population Change  Year beginning July 1st						2040.40	240.00					204.05			22.22		2000 00	2000 04 00				204.05		200 07	
Births		U13-14 2	2014-15 20			017-18 2			20-21 20	021-22 2	022-23 2			025-26 20				2029-30 2	2030-31 20						036-37	
Male	472	450	450	452	450	450	449	448	444	444	444	445	446	443	441	439	437	436	437	438	439	441	442	443	442	
Female	449	429	428	430	428	428	428	426	423	423	423	423	425	422	420	418	416	415	416	417	418	420	421	422	421	
All Births TFR Births input	921 1.94	879 1.95	878 1.95	882 1.96	878 1.95	878 1.95	877 1.94	874 1.94	867 1.94	866 1.94	866 1.94	868 1.94	871 1.94	865 1.94	861 1.94	857 1.94	854 1.94	851 1.94	852 1.94	856 1.94	858 1.94	860 1.94	863 1.94	865 1.94	863 1.94	
Deaths																										
Male Female	410 441	391 411	389 406	393 406	391 407	398 404	401 409	404 410	409 412	414 417	419 419	425 426	432 431	440 439	447 443	452 449	460 457	468 464	477 475	484 481	491 488	499 497	508 504	515 510	522 517	
All deaths SMR: males	850 108.4	802 101.7	794 98.5	799 96.6	798 93.2	802 91.6	810 89.5	814 87.2	822 85.4	831 83.5	838 81.6	851 80.1	864 78.7	878 77.3	890 76.1	901 74.6	917 73.5	933 72.5	951 71.6	965 70.6	979 69.5	996 68.8	1,012 68.0	1,024 67.2	1,039 66.5	
SMR: females	110.3	103.5	100.8	99.2	97.6	94.5	93.1	91.0	89.2	87.6	85.4	84.2	82.7	81.7	80.1	78.8	77.7	76.7	76.1	74.8	73.8	72.9	71.9	71.0	70.3	
SMR: persons Expectation of life: males	109.4 78.4	102.6 79.3	99.6 79.7	97.9 79.9	95.4 80.4	93.0 80.6	91.3 80.9	89.1 81.2	87.3 81.4	85.5 81.7	83.4 82.0	82.1 82.2	80.6 82.4	79.5 82.6	78.0 82.9	76.6 83.1	75.5 83.3	74.5 83.4	73.8 83.7	72.6 83.8	71.6 84.0	70.8 84.2	69.9 84.3	69.0 84.5	68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.3	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.2	85.9 84.4	86.0 84.6	86.2 84.7	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	86.9 85.6	87.1 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK																										
Male Female	1,938 2,084	2,427 2,603	2,452 2,624	2,452 2,618	2,500 2,663	2,504 2,661	2,478 2,628	2,460 2,604	2,531 2,674	2,538 2,677	2,550 2,685	2,566 2,698	2,486 2,611	2,498 2,622	2,509 2,630	2,518 2,641	2,527 2,651	2,558 2,683	2,578 2,704	2,560 2,685	2,571 2,698	2,577 2,705	2,574 2,700	2,582 2,709	2,500 2,623	
All	4,023	5,030	5,076	5,071	5,162	5,165	5,106	5,064	5,205	5,214	5,235	5,263	5,096	5,120	5,139	5,159	5,178	5,241	5,281	5,245	5,269	5,282	5,274	5,291	5,124	
SMigR: males SMigR: females Migrants input	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1 0.1	0.1	
Out-migration to the UK																										
Male Female	1,331 1,438	855 926	833 898	844 906	808 865	807 866	827 889	836 900	761 814	755 803	748 789	737 778	828 873	824 870	829 869	824 870	827 873	810 859	801 852	827 879	826 878	830 885	845 901	847 903	779 831	
All SMigR: males	2,769 29.9	1,781 19.9	1,731 19.3	1,750 19.5	1,674 18.6	1,673 18.5	1,715 19.0	1,736 19.2	1,575 17.5	1,558 17.3	1,537 17.1	1,515 16.8	1,701 18.7	1,694 18.6	1,698 18.7	1,694 18.5	1,700 18.6	1,669 18.1	1,653 17.9	1,706 18.4	1,705 18.3	1,716 18.3	1,746 18.6	1,750 18.6	1,611 17.1	
SMigR: females Migrants input	32.1	21.7	21.2	21.4	20.5	20.5	21.1	21.4	19.5	19.2	18.8	18.4	20.5	20.5	20.4	20.4	20.4	20.0	19.7	20.3	20.2	20.3	20.6	20.7	19.0	
In-migration from Overse	as																									
Male	100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Female All	89 189	89 189	89 189	93 198	90 192	91 193	89 188																			
SMigR: males SMigR: females Migrants input	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Out-migration to Oversea																										
Male Female	1,588 1,716	1,593 1,725	1,592 1,715	1,597 1,716	1,605 1,719	1,602 1,720	1,593 1,712	1,583 1,703	1,579 1,691	1,583 1,682	1,589 1,675	1,589 1,677	1,593 1,681	1,593 1,684	1,602 1,679	1,597 1,685	1,601 1,689	1,604 1,702	1,607 1,710	1,611 1,711	1,615 1,718	1,618 1,726	1,624 1,731	1,628 1,736	1,632 1,741	
All SMigR: males	3,304 35.7	3,318 37.0	3,308 36.9	3,313 36.9	3,324 37.0	3,322 36.8	3,304 36.6	3,287 36.4	3,270 36.4	3,265 36.4	3,264 36.3	3,266 36.1	3,274 36.0	3,277 36.0	3,281 36.1	3,282 35.9	3,291 35.9	3,306 35.9	3,317 35.8	3,322 35.7	3,333 35.8	3,344 35.7	3,355 35.8	3,364 35.8	3,373 35.9	
SMigR: females Migrants input	38.3	40.4	40.5	40.6	40.7	40.7	40.6	40.6	40.5	40.2	39.9	39.7	39.5	39.6	39.5	39.5	39.5	39.6	39.6	39.4	39.5	39.6	39.7	39.8	39.9	
Migration - Net Flows	+1,254	+3,249	+3,346	+3,321	+3,489	+3,492	+3,390	+3,328	+3,630	+3,657	+3,698	+3,749	+3,396	+3,427	+3,441	+3,465	+3,478	+3,572	+3,628	+3,539	+3,564	+3,567	+3,528	+3,542	+3,513	
Overseas	-3,116	-3,129	-3,119	-3,115	-3,132	-3,129	-3,116	-3,098	-3,082	-3,076	-3,076	-3,078	-3,085	-3,089	-3,093	-3,094	-3,102	-3,118	-3,128	-3,134	-3,144	-3,156	-3,167	-3,176	-3,185	
Summary of population c	•												_													
Natural change Net migration	+71 -1,862	+77 +120	+84 +226	+83 +206	+79 +357	+76 +363	+67 +275	+60 +230	+46 +548	+35 +580	+28 +622	+17 +671	+7 +310	-13 +338	-29 +348	-44 +371	-63 +376	-81 +455	-99 +500	-109 +405	-121 +420	-136 +411	-149 +361	-160 +366	-176 +328	
Net change Crude Birth Rate /000	-1,791 10.21	+197 9.83	+310 9.79	+289 9.80	+436 9.72	+439 9.67	+342 9.62	+290 9.55	+594 9.43	+616 9.36	+650 9.30	+688 9.25	+318 9.23	+325 9.14	+319 9.06	+327 8.99	+313 8.93	+373 8.87	+401 8.85	+296 8.85	+299 8.84	+275 8.84	+212 8.85	+207 8.85	+152 8.81	
Crude Death Rate /000 Crude Net Migration Rate /000	9.43	8.97 1.34	8.86 2.53	8.88 2.28	8.84 3.95	8.83 4.00	8.88 3.01	8.90 2.52	8.94 5.97	8.98 6.27	9.00 6.68	9.07 7.15	9.15 3.29	9.28 3.57	9.37 3.67	9.45 3.89	9.59 3.93	9.72 4.74	9.87 5.19	9.97 4.19	10.09 4.33	10.24 4.23	10.37 3.70	10.48 3.75	10.61 3.35	
Summary of Popu				asts																						
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10	4,962	4,813	4,806	4,785	4,740	4,684	4,679	4,672	4,658 5.977	4,655 5.971	4,653	4,652 5.894	4,654	4,634	4,615	4,594 5.851	4,573	4,553	4,539	4,533	4,527	4,528	4,534	4,541	4,551	4,555 5,640
11-15	5,947 5,473	5,931 5,245	5,938 5,066	5,958 4,937	6,005 4,894	6,031 4,960	6,014 5,052	5,982 5,116	5,134	5,175	5,939 5,197	5,238	5,897 5,228	5,887 5,228	5,872 5,211	5,172	5,829 5,115	5,804 5,102	5,782 5,095	5,760 5,087	5,736 5,070	5,713 5,051	5,692 5,029	5,671 5,005	5,653 4,981	4,956
16-17 18-59Female, 64Male	2,315 52,846	2,221 51,214	2,270 51,077	2,278 51,010	2,166 51,002	2,034 51,053	1,951 50,990	1,948 50,760	1,990 50,532	2,014 50,464	2,069 50,481	2,120 50,445	2,131 50,492	2,109 50,272	2,096 50,033	2,134 49,798	2,171 49,568	2,140 49,368	2,091 49,319	2,086 49,276	2,083 49,163	2,079 49,119	2,072 49,105	2,067 49,098	2,059 49,110	2,048 49,150
60/65 -74	12,469	12,733	13,025	13,322	13,606	13,822	14,021	14,176	14,299	14,549	14,464	14,562	14,765	14,967	15,262	15,549	15,876	16,177	16,470	16,687	16,855	16,929	16,925	16,870	16,732	16,520
75-84 85+	5,097 2,009	5,173 1,997	5,306 2,036	5,461 2,083	5,549 2,160	5,710 2,263	5,972 2,318	6,302 2,384	6,557 2,484	6,804 2,591	7,349 2,686	7,773 2,806	8,076 2,933	8,335 3,063	8,567 3,164	8,724 3,318	8,827 3,507	8,895 3,740	8,916 3,941	8,994 4,131	8,910 4,506	8,926 4,804	9,051 5,015	9,190 5,195	9,417 5,339	9,657 5,469
Total	91,118	89,327	89,524	89,834	90,122	90,558	90,998	91,340	91,630	92,224	92,839	93,490	94,178	94,495	94,820	95,139	95,466	95,779	96,152	96,553	96,850	97,149	97,424	97,636	97,843	97,995
Dependency ratios, mean 0-15 / 16-65	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
65+ / 16-65 0-15 and 65+ / 16-65	0.28 0.56	0.30 0.59	0.31 0.59	0.32 0.60	0.33 0.61	0.34 0.62	0.35 0.63	0.36 0.64	0.36 0.65	0.37 0.65	0.38 0.66	0.39 0.67	0.39 0.68	0.41 0.69	0.42 0.70	0.43 0.71	0.44 0.72	0.45 0.73	0.47 0.75	0.48 0.76	0.49 0.77	0.50 0.78	0.51 0.79	0.52 0.80	0.53 0.81	0.53 0.81
Median age males	41.9	42.6 44.0	42.9	43.3	43.6	43.8	44.0	44.1	44.2 46.4	44.2 46.6	44.1 46.8	44.1	44.1	44.2 46.9	44.4 47.0	44.5	44.6 47.3	44.7	44.8 47.7	44.9 47.8	45.1	45.2 48.1	45.3	45.5 48.4	45.6 48.6	45.8 48.7
Median age females Sex ratio males /100 females	43.2 97.1	44.0 97.3	44.5 97.5	44.9 97.7	45.2 97.8	45.5 97.9	45.9 98.1	46.2 98.2	46.4 98.4	46.6 98.5	46.8 98.6	46.8 98.7	46.8 98.8	46.9 98.9	47.0 99.0	47.2 99.0	47.3 99.1	47.5 99.2	47.7 99.3	47.8 99.4	48.0 99.5	48.1 99.6	48.3 99.8	48.4 99.9	48.6 100.0	48.7 100.2
Population impact of con-	straint +3,236	+1,071	+3,075	+3,154	+3,125	+3,300	+3,300	+3,178	+3,101	+3,391	+3,414	+3,454	+3,503	+3,146	+3,167	+3,167	+3,176	+3.182	+3.275	+3,327	+3,232	+3,256	+3,257	+3,218	+3,229	+3,525
Labour Force		,		-, =:	-, ==		-,-==	, -=	-,	-,-=:	-,	-,	-,	-, -=	-,	-, =:	-, -=	-,			-, ==	-, ==	-, =:	-, -=	-,	-,
Number of Labour Force Change in Labour Force over	48,791 previous year	47,614 -1,176	47,622 +7	47,701 +79	47,752 +51	47,793 +41	47,853 +60	47,928 +75	47,958 +30	47,979 +21	47,955 -24	47,896 -59	47,807 -89	47,692 -115	47,578 -114	47,467 -111	47,353 -114	47,237 -115	47,213 -24	47,225 +12	47,202 -23	47,180 -23	47,157 -23	47,134 -23	47,111 -23	47,088 -23
Number of supply units	32,217	31,984	31,989	32,042	32,114	32,179	32,257	32,345	32,403	32,417	32,401	32,361	32,301	32,223	32,146	32,071	31,994	31,916	31,900	31,908	31,892	31,877	31,861	31,846	31,831	31,815
Change in over previous year		-233	+5	+53	+72	+65	+78	+88	+58	+14	-16	-40	-60	-78	-77	-75	-77	-78	-16	+8	-15	-15	-15	-15	-15	-15
Households																										
Number of Households Change in Households over pr	39,209 evious year	38,814 -395	39,060 +246	39,367 +307	39,677 +310	40,069 +392	40,438 +369	40,760 +322	41,057 +296	41,461 +405	41,875 +414	42,301 +426	42,742 +442	43,041 +299	43,364 +323	43,661 +297	43,973 +312	44,269 +296	44,579 +310	44,911 +332	45,189 +277	45,460 +271	45,719 +260	45,939 +220	46,158 +219	46,347 +188
Number of supply units	40,906	40,495	40,751	41,072	41,395 +324	41,804 +409	42,189 +385	42,525	42,834	43,257	43,688	44,132 +444	44,593 +461	44,905	45,242	45,552 +310	45,877	46,186 +309	46,509 +324	46,856	47,145 +289	47,428	47,699	47,928	48,157	48,353
Change in over previous year		-412	+256	+321	+324	+409	+383	+336	+309	+422	+432	+444	+401	+312	+337	+310	+325	+309	+324	+346	+289	+283	+271	+229	+229	+196

Population Estimates and Forecasts High Peak Oxford Economics + 5% Red in Commuting

Components of Po	•	•	•	н	ligh Pea	ık																				
Births	Year beginn 2012-13 20			 015-16 20	016-17 20	017-18 20	018-19 20	19-20 20	20-21 20	021-22 2	022-23 20	123-24 20	024-25 20	025-26 20	026-27 20	027-28 20	028-29 2	029-30 2	2030-31 20	31-32 20	032-33 20	033-34 20	34-35 20	035-36 20	36-37	
Male	472 449	450	450 428	449 427	444	441	437	432	426	423	420	418	417	412	407	403 384	400 381	397	396 378	397	399	402 383	405 386	408	409	
Female  All Births	921	429 879	428 878	876	423 866	420 861	417 854	412 844	406 832	403 825	400 820	398 816	397 814	392 804	388 795	788	781	379 776	774	378 774	380 779	785	791	389 797	389 798	
TFR Births input	1.94	1.95	1.95	1.96	1.95	1.95	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	1.94	
Deaths Male Female All deaths	410 441 850	391 411 802	389 406 794	393 405 798	390 406 797	396 403 799	400 407 807	402 408 810	407 410 817	411 414 825	416 416 832	422 422 844	428 427 855	435 434 869	441 438 880	446 443 890	454 451 905	462 458 920	469 468 937	476 473 949	483 480 963	491 489 980	500 496 996	506 502 1,008	513 509 1,022	
SMR: males SMR: females SMR: persons Expectation of life: males Expectation of life: females Expectation of life: persons Deaths input	108.4 110.3 109.4 78.4 82.5 80.5	101.7 103.5 102.6 79.3 83.2 81.3	98.5 100.8 99.6 79.7 83.4 81.6	96.6 99.2 97.9 79.9 83.6 81.8	93.2 97.6 95.4 80.4 83.8 82.1	91.6 94.5 93.0 80.6 84.1 82.4	89.5 93.1 91.3 80.9 84.3 82.6	87.2 91.0 89.1 81.2 84.5 82.9	85.4 89.2 87.3 81.4 84.7 83.1	83.5 87.6 85.5 81.7 84.9 83.3	81.6 85.4 83.4 82.0 85.2 83.6	80.1 84.2 82.1 82.2 85.3 83.8	78.7 82.7 80.6 82.4 85.5 84.0	77.3 81.7 79.5 82.6 85.7 84.2	76.1 80.1 78.0 82.9 85.9 84.4	74.6 78.8 76.6 83.1 86.0 84.6	73.5 77.7 75.5 83.3 86.2 84.7	72.5 76.7 74.5 83.4 86.4 84.9	71.6 76.1 73.8 83.7 86.5 85.1	70.6 74.8 72.6 83.8 86.7 85.3	69.5 73.8 71.6 84.0 86.8 85.4	68.8 72.9 70.8 84.2 86.9 85.6	68.0 71.9 69.9 84.3 87.1 85.7	67.2 71.0 69.0 84.5 87.3 85.9	66.5 70.3 68.3 84.6 87.4 86.0	
In-migration from the UK Male Female AII SMigR: males SMigR: females Migrants input	1,938 2,084 4,023 0.1 0.1	2,427 2,603 5,030 0.1 0.1	2,399 2,568 4,967 0.1 0.1	2,402 2,564 4,966 0.1 0.1	2,449 2,608 5,058 0.1 0.1	2,453 2,607 5,060 0.1 0.1	2,427 2,574 5,001 0.1 0.1	2,409 2,551 4,960 0.1 0.1	2,480 2,620 5,100 0.1 0.1	2,486 2,622 5,109 0.1 0.1	2,498 2,631 5,129 0.1 0.1	2,513 2,643 5,156 0.1 0.1	2,435 2,558 4,993 0.1 0.1	2,448 2,569 5,018 0.1 0.1	2,459 2,577 5,036 0.1 0.1	2,468 2,589 5,057 0.1 0.1	2,478 2,599 5,077 0.1 0.1	2,507 2,630 5,137 0.1 0.1	2,527 2,651 5,178 0.1 0.1	2,567 2,692 5,259 0.1 0.1	2,575 2,703 5,278 0.1 0.1	2,582 2,710 5,292 0.1 0.1	2,579 2,706 5,285 0.1 0.1	2,588 2,715 5,303 0.1 0.1	2,507 2,631 5,138 0.1 0.1	
Out-migration to the UK Male Female All SMigR: males SMigR: females Migrants input	1,331 1,438 2,769 29.9 32.1	855 926 1,781 19.9 21.7	886 954 1,840 20.5 22.5	894 961 1,855 20.8 22.8	859 920 1,779 20.0 22.0	857 920 1,777 19.9 22.1	877 943 1,820 20.5 22.8	887 954 1,840 20.8 23.2	811 869 1,680 19.1 21.4	806 857 1,663 19.0 21.1	800 843 1,644 18.8 20.8	789 833 1,622 18.5 20.5	878 926 1,804 20.5 22.7	874 923 1,797 20.5 22.7	879 921 1,801 20.7 22.7	874 922 1,796 20.6 22.8	877 925 1,801 20.6 22.8	860 912 1,773 20.3 22.5	851 906 1,757 20.0 22.3	820 871 1,691 19.3 21.4	822 874 1,695 19.2 21.4	826 881 1,706 19.2 21.4	840 896 1,736 19.5 21.7	841 897 1,738 19.5 21.7	773 824 1,597 17.9 20.0	
In-migration from Oversea	s 100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Female All SMigR: males SMigR: females Migrants input	89 189 0.0 0.0	89 189 0.0 0.0	89 189 0.0 0.0	93 198 0.0 0.0	90 192 0.0 0.0	91 193 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	89 188 0.0 0.0	
Out-migration to Overseas Male Female All SMigR: males SMigR: females Migrants input	1,588 1,716 3,304 35.7 38.3	1,593 1,725 3,318 37.0 40.4	1,592 1,715 3,308 36.9 40.5	1,597 1,716 3,313 37.1 40.8	1,605 1,719 3,324 37.3 41.1	1,602 1,720 3,322 37.3 41.3	1,593 1,712 3,304 37.1 41.3	1,583 1,703 3,287 37.1 41.5	1,579 1,691 3,270 37.3 41.6	1,583 1,682 3,265 37.3 41.5	1,589 1,675 3,264 37.4 41.3	1,589 1,677 3,266 37.3 41.3	1,593 1,681 3,274 37.3 41.2	1,593 1,684 3,277 37.4 41.4	1,602 1,679 3,281 37.6 41.4	1,597 1,685 3,282 37.6 41.6	1,601 1,689 3,291 37.7 41.7	1,604 1,702 3,306 37.8 42.0	1,607 1,710 3,317 37.8 42.1	1,611 1,711 3,322 37.8 42.0	1,615 1,718 3,333 37.8 42.0	1,618 1,726 3,344 37.7 42.0	1,624 1,731 3,355 37.7 42.0	1,628 1,736 3,364 37.8 42.1	1,632 1,741 3,373 37.8 42.2	
Migration - Net Flows UK Overseas	+1,254 -3,116	+3,249	+3,126 -3,119	+3,111 -3,115	+3,279	+3,283	+3,181 -3,116	+3,119 -3,098	+3,420	+3,445 -3,076	+3,485	+3,534 -3,078	+3,189	+3,221 -3,089	+3,235	+3,261	+3,275 -3,102	+3,365	+3,421	+3,568	+3,583 -3,144	+3,585 -3,156	+3,549	+3,566 -3,176	+3,541 -3,185	
Summary of population ch Natural change Net migration Net change Crude Birth Rate /000 Crude Death Rate /000 Crude Net Migration Rate /000	+71 -1,862 -1,791 10.21 9.43 -20.64	+77 +120 +197 9.83 8.97	+84 +7 +91 9.80 8.87 0.08	+78 -4 +74 9.77 8.90 -0.05	+69 +147 +217 9.65 8.87 1.64	+61 +154 +215 9.56 8.88 1.71	+47 +66 +113 9.47 8.94 0.73	+35 +21 +56 9.36 8.97 0.24	+15 +338 +354 9.19 9.03 3.74	+0 +369 +369 9.09 9.09 4.06	-12 +410 +398 8.99 9.12 4.49	-27 +457 +429 8.91 9.21 4.98	-41 +104 +63 8.86 9.31	-65 +132 +67 8.75 9.45	-84 +143 +58 8.64 9.56	-102 +167 +65 8.56 9.66	-123 +173 +50 8.48 9.82 1.88	-144 +247 +103 8.42 9.97 2.68	-163 +292 +129 8.39 10.15 3.17	-175 +434 +260 8.37 10.26 4.70	-184 +439 +255 8.40 10.38 4.73	-195 +430 +234 8.44 10.54 4.62	-205 +382 +177 8.49 10.68 4.10	-212 +390 +179 8.53 10.80 4.18	-224 +356 +132 8.53 10.93 3.80	
Summary of Popul																			•						-	
0-4 5-10 11-15	2012 4,962 5,947 5,473	2013 4,813 5,931 5,245	2014 4,806 5,938 5,066	2015 4,771 5,947 4,930	2016 4,709 5,984 4,882	2017 4,634 5,998 4,940	2018 4,605 5,967 5,026	2019 4,573 5,919 5,081	2020 4,530 5,898 5,091	2021 4,498 5,872 5,122	2022 4,467 5,817 5,135	2023 4,437 5,746 5,164	2024 4,411 5,720 5,142	2025 4,364 5,678 5,128	2026 4,319 5,629 5,096	2027 4,274 5,574 5,039	2028 4,232 5,518 4,963	2029 4,191 5,460 4,928	2030 4,158 5,406 4,895	2031 4,135 5,354 4,859	2032 4,128 5,312 4,821	2033 4,131 5,274 4,782	2034 4,143 5,241 4,740	2035 4,160 5,211 4,696	2036 4,183 5,188 4,655	2037 4,202 5,172 4,614
16-17 18-59Female, 64Male 60/65 -74 75-84 85+ Total	2,315 52,846 12,469 5,097 2,009 91,118	2,221 51,214 12,733 5,173 1,997 89,327	2,270 51,077 13,025 5,306 2,036	2,275 50,842 13,312 5,457 2,080 89,615	2,161 50,672 13,586 5,541 2,154 89,688	2,026 50,563 13,791 5,699 2,255	1,940 50,340 13,979 5,957 2,307	1,935 49,952 14,120 6,282 2,371	1,974 49,567 14,230 6,532 2,467 90,289	1,996 49,343 14,466 6,775 2,572 90,643	2,048 49,204 14,366 7,312 2,663 91,012	2,094 49,011 14,447 7,731 2,780 91,409	2,102 48,902 14,632 8,027 2,904 91,839	2,076 48,532 14,815 8,278 3,030 91,902	2,060 48,144 15,089 8,503 3,128 91,969	2,093 47,761 15,355 8,652 3,278	2,124 47,385 15,659 8,748 3,463 92,092	2,087 47,038 15,938 8,809 3,692	2,033 46,837 16,207 8,821 3,887	2,021 46,642 16,401 8,890 4,072 92,375	2,013 46,550 16,559 8,805 4,446 92,634	2,002 46,518 16,623 8,818 4,742 92,889	1,988 46,511 16,611 8,938 4,953 93,124	1,974 46,508 16,549 9,071 5,132 93,301	1,958 46,524 16,406 9,291 5,276 93,480	1,938 46,565 16,191 9,523 5,405 93,611
Dependency ratios, mean a 0-15 / 16-65 65+ / 16-65 0-15 and 65+ / 16-65 Median age males	0.28 0.28 0.56 41.9	0.28 0.30 0.59 42.6	0.28 0.31 0.59 42.9	0.28 0.32 0.60 43.3	0.28 0.33 0.61 43.7	0.28 0.34 0.62 44.0	0.28 0.35 0.63 44.2	0.28 0.36 0.64 44.4	0.28 0.37 0.65 44.5	0.28 0.38 0.66 44.6	0.28 0.38 0.67 44.6	0.28 0.39 0.67 44.6	0.28 0.40 0.68 44.7	0.28 0.42 0.69 44.8	0.28 0.43 0.71 45.0	0.28 0.44 0.72 45.2	0.28 0.45 0.73 45.3	0.28 0.47 0.75 45.5	0.28 0.48 0.76 45.7	0.27 0.50 0.77 45.8	0.27 0.51 0.78 45.9	0.27 0.52 0.79 46.0	0.27 0.53 0.80 46.1	0.27 0.54 0.81 46.3	0.27 0.54 0.82 46.4	0.27 0.55 0.82 46.5
Median age females Sex ratio males /100 females	43.2 97.1	44.0 97.3	44.5 97.5	44.9 97.7	45.3 97.8	45.7 98.0	46.1 98.1	46.4 98.3	46.8 98.5	47.0 98.6	47.2 98.7	47.4 98.8	47.5 98.9	47.7 99.0	47.8 99.1	48.0 99.1	48.2 99.2	48.4 99.3	48.7 99.4	48.9 99.6	49.0 99.7	49.2 99.8	49.3 99.9	49.5 100.1	49.6 100.2	49.8 100.3
Population impact of const Number of persons	traint +3,236	+1,071	+3,075	+2,935	+2,915	+3,090	+3,091	+2,969	+2,892	+3,180	+3,203	+3,241	+3,288	+2,940	+2,961	+2,961	+2,972	+2,978	+3,067	+3,120	+3,262	+3,275	+3,275	+3,239	+3,253	+3,553
Labour Force Number of Labour Force Change in Labour Force over pr Number of supply units Change in over previous year	48,791 revious year 32,217	47,614 -1,176 31,984 -233	47,622 +7 31,989 +5	47,560 -61 32,042 +53	47,471 -89 32,114 +72	47,371 -100 32,179 +65	47,290 -81 32,257 +78	47,223 -67 32,345 +88	47,112 -111 32,403 +58	46,991 -121 32,417 +14	46,827 -164 32,401 -16	46,628 -199 32,361 -40	46,401 -227 32,301 -60	46,149 -252 32,223 -78	45,898 -250 32,146 -77	45,652 -247 32,071 -75	45,403 -249 31,994 -77	45,153 -250 31,916 -78	44,992 -161 31,900 -16	44,864 -128 31,908 +8	44,842 -22 31,892 -15	44,821 -22 31,877 -15	44,799 -22 31,861 -15	44,777 -22 31,846 -15	44,755 -22 31,831 -15	44,734 -22 31,815 -15
Households Number of Households Change in Households over pre Number of supply units Change in over previous year	39,209 vious year 40,906	38,814 -395 40,495 -412	39,060 +246 40,751 +256	39,293 +233 40,994 +243	39,527 +235 41,239 +245	39,841 +313 41,566 +327	40,129 +288 41,867 +301	40,369 +239 42,116 +250	40,579 +210 42,336 +219	40,895 +316 42,665 +330	41,217 +322 43,002 +336	41,549 +332 43,348 +346	41,896 +346 43,709 +361	42,101 +206 43,924 +215	42,329 +228 44,162 +238	42,531 +202 44,372 +210	42,745 +215 44,596 +224	42,944 +198 44,803 +207	43,154 +210 45,022 +219	43,384 +231 45,263 +241	43,642 +258 45,531 +269	43,892 +250 45,793 +261	44,133 +241 46,044 +251	44,337 +204 46,257 +213	44,542 +205 46,470 +214	44,719 +177 46,655 +184

Population Estimates and Forecasts High Peak OE Policy On

Components of Po	opulation Year beginn		•	H	ligh Pea	ak																				
Births	2012-13 2		2014-15 2	 015-16 20	016-17 2	017-18 2	2018-19 20	019-20 2	020-21 20	021-22 2	022-23 2	023-24 20	024-25 20	025-26 2	026-27 20	027-28 20	028-29 2	2029-30	2030-31 20	31-32 20	032-33 2	033-34 20	034-35 20	35-36 20	36-37	
Male	472	450	451	452	449	449	447	444	440	440	442	445	450	450	452	453	456	458	460	463	465	468	470	472	472	
Female	449	429	429	431	428	427	426	422	419	419	420	424	428	429	430	432	434	436	438	441	443	446	448	450	450	
All Births TFR Births input	921 1.94	879 1.95	880 1.95	883 1.96	877 1.95	876 1.95	873 1.94	866 1.94	858 1.94	859 1.94	862 1.94	869 1.94	878 1.94	879 1.94	882 1.94	885 1.94	889 1.94	894 1.94	899 1.94	904 1.94	908 1.94	913 1.94	918 1.94	922 1.94	921 1.94	
Deaths Male	410	391	389	393	391	397	401	404	409	414	419	426	433	441	448	454	463	472	480	488	495	504	512	520	527	
Female All deaths	441 850	411 802	406 795	406 799	407 798	404 801	408 809	409 813	412 820	416 830	419 838	426 851	432 865	440 881	445 893	452 905	460 922	468 940	479 959	485 972	492 987	501 1,005	509 1,021	515 1,034	522 1,049	
SMR: males SMR: females	108.4 110.3	101.7 103.5	98.5 100.8	96.6 99.2	93.2 97.6	91.6 94.5	89.5 93.1	87.2 91.0	85.4 89.2	83.5 87.6	81.6 85.4	80.1 84.2	78.7 82.7	77.3 81.7	76.1 80.1	74.6 78.8	73.5 77.7	72.5 76.7	71.6 76.1	70.6 74.8	69.5 73.8	68.8 72.9	68.0 71.9	67.2 71.0	66.5 70.3	
SMR: persons Expectation of life: males	109.4 78.4	102.6 79.3	99.6 79.7	97.9 79.9	95.4 80.4	93.0 80.6	91.3 80.9	89.1 81.2	87.3 81.4	85.5 81.7	83.4 82.0	82.1 82.2	80.6 82.4	79.5 82.6	78.0 82.9	76.6 83.1	75.5 83.3	74.6 83.4	73.8 83.7	72.6 83.8	71.6 84.0	70.8 84.2	69.9 84.3	69.0 84.5	68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.3	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.2	85.9 84.4	86.0 84.6	86.2 84.7	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	86.9 85.6	87.1 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK	1,938	2,446	2,443	2,434	2,486	2,482	2,451	2,451	2,546	2,569	2,595	2,622	2,551	2,563	2,571	2,582	2,592	2,585	2,592	2,589	2,601	2,607	2,604	2,612	2,530	
Female	2,084	2,623	2,615	2,599	2,648	2,639	2,600	2,594	2,690	2,710	2,732	2,757	2,679	2,689	2,696	2,708	2,718	2,711	2,719	2,716	2,729	2,736	2,732	2,741	2,655	
All SMigR: males	4,023 0.1	5,069	5,058 0.1	5,033 0.1	5,134 0.1	5,121 0.1	5,051 0.1	5,045 0.1	5,236 0.1	5,279 0.1	5,327 0.1	5,378	5,231	5,252 0.1	5,267 0.1	5,290 0.1	5,310 0.1	5,296 0.1	5,311	5,306	5,330	5,344 0.1	5,335	5,353 0.1	5,184 0.1	
SMigR: females Migrants input	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Out-migration to the UK Male	1,331	836	842	862	822	828	853	845	746	724	704	681	762	760	766	761	763	783	786	797	797	801	816	817	750	
Female All	1,438 2,769	905 1,741	907 1,749	926 1,788	880 1,702	889 1,716	917 1,770	909 1,755	798 1,544	769 1,493	742 1,446	719 1,400	804 1,566	803 1,563	803 1,569	803 1,564	805 1,568	830 1,613	837 1,623	847 1,645	847 1,644	854 1,655	869 1,685	871 1,688	800 1,550	
SMigR: males SMigR: females	29.9 32.1	19.4 21.2	19.5 21.3	19.9 21.9	19.0 20.9	19.1 21.1	19.7 21.8	19.6 21.8	17.3 19.3	16.7 18.5	16.1 17.7	15.5 17.0	17.1 18.8	17.0 18.7	17.0 18.6	16.8 18.4	16.7 18.3	17.1 18.7	17.0 18.8	17.2 18.9	17.1 18.8	17.1 18.9	17.4 19.2	17.4 19.2	15.9 17.6	
Migrants input	•	•	*	*	*	*	•	*	*	•	•	*	•	*	*	•	•	•	•	•	•	•	*	•	•	
In-migration from Overse  Male	as 100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Female	89	89	89	93	90	91	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
All SMigR: males	189 0.0	189 0.0	189 0.0	198 0.0	192 0.0	193 0.0	188 0.0																			
SMigR: females Migrants input	0.0	0.0	• 0.0	0.0	* 0.0	• 0.0	0.0	* 0.0	0.0	0.0	0.0	• 0.0	0.0	• 0.0	0.0	0.0	0.0	0.0	0.0	• 0.0	0.0	0.0	0.0	0.0	0.0	
Out-migration to Oversea	1,588	1.593	1.592	1.597	1.605	1.602	1.593	1.583	1,579	1.583	1.589	1,589	1.593	1.593	1,602	1.597	1.601	1.604	1.607	1.611	1.615	1.618	1,624	1,628	1.632	
Female All	1,716 3,304	1,725	1,715	1,716 3,313	1,719	1,720	1,712	1,703	1,691	1,682	1,675 3,264	1,677	1,681	1,684	1,679	1,685	1,689	1,702	1,710	1,711	1,718	1,726 3,344	1,731	1,736	1,741	
SMigR: males SMigR: females	35.7 38.3	37.0 40.4	36.9 40.4	36.9 40.5	37.0 40.8	36.9 40.8	36.7 40.7	36.6 40.8	36.6 40.8	36.5 40.4	36.4 40.0	36.1 39.7	35.8 39.3	35.6 39.1	35.6 38.8	35.3 38.7	35.1 38.4	35.0 38.4	34.8 38.3	34.7 38.2	34.7 38.2	34.6 38.2	34.6 38.2	34.6 38.2	34.6 38.3	
Migrants input	•	•	•	*	*	*	•	*	*	•	•	*	•	*	*	•	•	•	•	•	•	•	*	*	•	
Migration - Net Flows UK Overseas	+1,254 -3,116	+3,328	+3,309	+3,244	+3,431	+3,405 -3,129	+3,281 -3,116	+3,290	+3,692	+3,786	+3,881	+3,978	+3,665	+3,689	+3,698	+3,726	+3,742	+3,683	+3,688	+3,661	+3,686	+3,689 -3,156	+3,650 -3,167	+3,665 -3,176	+3,634 -3,185	
Summary of population c		-0,129	-5,115	-5,115	-0,102	-3,123	-5,110	-5,030	-5,002	-5,070	-5,070	-5,070	-3,003	-5,005	-5,055	-5,054	-5,102	-5,110	-5,120	-5,154	-5,144	-5,150	-5,107	-5,176	-0,100	
Natural change Net migration	+71 -1,862	+77 +199	+85 +190	+84 +130	+79 +299	+74 +275	+63 +166	+53 +192	+38 +611	+29 +709	+24 +805	+17 +901	+13 +579	-1 +600	-12 +605	-20 +632	-33 +640	-45 +566	-60 +560	-68 +527	-78 +542	-91 +533	-103 +483	-112 +489	-128 +450	
Net change Crude Birth Rate /000	-1,791 10.21	+276	+276 9.81	+214 9.81	+378	+350 9.66	+229 9.60	+246 9.50	+649 9.37	+738 9.30	+830 9.26	+918 9.24	+592 9.27	+599 9.22	+594 9.19	+612 9.17	+607	+520 9.15	+500 9.15	+459 9.16	+463 9.16	+442 9.17	+380	+377	+322	
Crude Death Rate /000 Crude Net Migration Rate /000	9.43	8.97 2.22	8.86 2.12	8.88 1.44	8.84 3.32	8.84 3.04	8.90 1.82	8.92 2.11	8.95 6.67	8.99 7.68	9.00 8.65	9.06 9.59	9.13 6.11	9.24	9.31	9.38 6.55	9.50 6.59	9.62 5.79	9.76 5.70	9.85 5.34	9.95 5.46	10.09	10.21	10.30	10.42	
Summary of Popu	ılation es	timates	s/foreca	asts																						
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10	4,962 5,947	4,813 5,931	4,811 5,942	4,789 5,960	4,740 6,004	4,680 6,028	4,667 6,006	4,651 5,967	4,629 5,959	4,625 5,955	4,629 5,928	4,639 5,890	4,658 5,903	4,663 5,904	4,671 5,902	4,681 5,895	4,694 5,891	4,709 5,888	4,720 5,885	4,735 5,883	4,751 5,885	4,771 5,890	4,794 5,898	4,815 5,907	4,837 5,919	4,852 5,932
11-15 16-17	5,473 2,315	5,245 2,221	5,068 2,271	4,938 2,278	4,893 2,166	4,957 2,033	5,047 1,948	5,107 1,944	5,123 1,986	5,166 2,011	5,192 2,068	5,238 2,121	5,235 2,135	5,243 2,116	5,235 2,107	5,204 2,148	5,156 2,188	5,153 2,160	5,150 2,112	5,145 2,108	5,134 2,107	5,124 2,105	5,113 2,100	5,102 2,097	5,096 2,092	5,092 2,084
18-59Female, 64Male 60/65 -74	52,846 12,469	51,214 12,733	51,137 13,029	51,043 13,324	50,977 13,605	50,984 13,818	50,854 14,013	50,541 14,162	50,285 14,282	50,264 14,534	50,378 14,455	50,479 14,561	50,699 14,776	50,679 14,992	50,635 15,302	50,589 15,606	50,552 15,951	50,544 16,272	50,575 16,578	50,573 16,805	50,546 16,988	50,588 17,075	50,661 17,085	50,741 17,043	50,842 16,916	50,970 16,714
75-84 85+	5,097 2,009	5,173 1,997	5,308 2,037	5,462 2,083	5,548 2,159	5,709 2,262	5,969 2,316	6,296 2,380	6,550 2,479	6,799 2,588	7,346 2,685	7,775 2,808	8,084 2,939	8,349 3,074	8,588 3,180	8,751 3,338	8,861 3,533	8,936 3,771	8,959 3,974	9,038 4,165	8,956 4,545	8,975 4,846	9,104 5,060	9,248 5,243	9,482 5,390	9,729 5,522
Total  Dependency ratios, mean	91,118 age and sev	89,327	89,603	89,878	90,092	90,470	90,820	91,049	91,294	91,943	92,681	93,511	94,428	95,021	95,620	96,213	96,826	97,432	97,953	98,452	98,911	99,374	99,816	100,197	100,573	100,895
0-15 / 16-65 65+ / 16-65	0.28 0.28	0.28	0.28	0.28 0.32	0.28 0.33	0.28 0.34	0.28 0.35	0.28 0.36	0.28 0.36	0.28 0.37	0.28 0.38	0.28 0.39	0.28 0.39	0.28 0.40	0.28 0.41	0.28 0.42	0.28 0.43	0.28	0.28	0.28 0.47	0.28 0.48	0.28 0.49	0.28 0.50	0.28 0.51	0.28 0.51	0.28 0.52
0-15 and 65+ / 16-65 Median age males	0.56 41.9	0.59 42.6	0.59 42.9	0.60 43.3	0.61 43.6	0.62 43.8	0.63 44.0	0.64 44.2	0.65 44.3	0.65 44.3	0.66 44.2	0.67	0.67 44.1	0.68	0.69 44.2	0.70 44.2	0.71 44.3	0.73	0.74	0.75 44.5	0.76 44.6	0.77	0.78 44.9	0.79 45.0	0.80 45.1	0.80 45.3
Median age females Sex ratio males /100 females	43.2 97.1	44.0 97.3	44.4 97.5	44.8 97.7	45.2 97.8	45.6 97.9	45.9 98.1	46.2 98.2	46.5 98.4	46.7 98.5	46.8 98.6	46.8 98.7	46.8 98.8	46.8 98.8	46.8 98.9	46.9 99.0	47.0 99.0	47.1 99.1	47.2 99.2	47.3 99.3	47.4 99.5	47.5 99.6	47.7 99.7	47.8 99.8	47.9 99.9	48.0 100.1
Population impact of con Number of persons	straint +3,236	+1,071	+3,154	+3,118	+3,049	+3,243	+3,212	+3,069	+3,063	+3,453	+3,543	+3,637	+3,732	+3,415	+3,429	+3,424	+3,437	+3,445	+3,386	+3,387	+3,355	+3,377	+3,379	+3,340	+3,352	+3,647
Labour Force Number of Labour Force	48,791	47,614	47,673	47,731	47,733	47,735	47,737	47,740	47,742	47,800	47,857	47,915	47,973	48,030	48,088	48,146	48,204	48,261	48,319	48,377	48,434	48,492	48,550	48,608	48,665	48,723
Change in Labour Force over Number of supply units	32,217	-1,176 31,984	+58 32,023	+58 32,062	+2 32,101	+2 32,140	+2 32,179	+2 32,218	+2 32,257	+58 32,296	+58 32,335	+58 32,374	+58 32,413	+58 32,452	+58 32,491	+58 32,530	+58 32,569	+58 32,608	+58 32,647	+58 32,686	+58 32,725	+58 32,764	+58 32,803	+58 32,842	+58 32,881	+58 32,920
Change in over previous year		-233	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39
Households Number of Households	39,209	38,814	39,087	39,383	39,668	40,039	40,376	40,658	40,938	41,360	41,816	42,304	42,828	43,227	43,650	44,049	44,467	44,872	45,241	45,613	45,951	46,283	46,604	46,885	47,166	47,415
Change in Households over pr Number of supply units		-395 40,495	+272 40,779	+296 41,088	+285 41,385	+371 41,772	+337 42,125	+282 42,419	+279 42,710	+422 43,151	+456 43,626	+489 44,136	+524 44,683	+398 45,098	+424 45,540	+399 45,956	+418 46,392	+406 46,815	+369 47,200	+372 47,588	+338 47,941	+332 48,287	+321	+281 48,915	+281 49,208	+249 49,468
Change in over previous year	,500	-412	+284	+309	+297	+387	+352	+294	+291	+441	+475	+510	+547	+415	+442	+416	+436	+423	+384	+388	+353	+347	+335	+293	+293	+260

Population Estimates and Forecasts High Peak OE Policy On + 5% Red in Commuting

Components of Po	opulation Year beginn	-	•	H	ligh Pea	ak																				
Births	2012-13 2		2014-15 20	 015-16 20	016-17 20	017-18 2	2018-19 20	019-20 2	020-21 20	021-22 2	2022-23 2	023-24 20	024-25 20	025-26 2	026-27 20	027-28 20	028-29 2	029-30 2	2030-31 20	31-32 20	032-33 2	033-34 20	034-35 20	35-36 20	36-37	
Male	472	450	451	449	443	440	435	429	422	419	418	418	420	419	418	417	418	418	419	420	424	428	432	436	437	
Female	449	429	429	428	422	419	414	408	401	399	398	398	400	399	398	398	398	399	399	400	404	408	412	415	417	
All Births TFR Births input	921 1.94	879 1.95	880 1.95	877 1.96	865 1.95	858 1.95	849 1.94	837 1.94	823 1.94	818 1.94	816 1.94	817 1.94	821 1.94	818 1.94	816 1.94	815 1.94	815 1.94	817 1.94	818 1.94	820 1.94	828 1.94	836 1.94	844 1.94	851 1.94	854 1.94	
Deaths Male	410	391	389	393	390	396	399	402	406	411	416	422	429	436	443	448	457	465	473	480	487	495	504	511	518	
Female All deaths	441 850	411 802	406 795	405 798	406 797	403 799	406 806	407 809	409 815	413 824	416 831	422 844	427 856	435 871	440 883	446 894	453 910	461 926	471 944	477 956	485 971	493 989	501 1,005	507 1,018	514 1,032	
SMR: males SMR: females	108.4 110.3	101.7	98.5 100.8	96.6 99.2	93.2 97.6	91.6 94.5	89.5 93.1	87.2 91.0	85.4 89.2	83.5 87.6	81.6 85.4	80.1 84.2	78.7 82.7	77.3 81.7	76.1 80.1	74.6 78.8	73.5 77.7	72.5 76.7	71.6 76.1	70.6 74.8	69.5 73.8	68.8 72.9	68.0 71.9	67.2 71.0	66.5 70.3	
SMR: persons Expectation of life: males	109.4 78.4	102.6 79.3	99.6 79.7	97.9 79.9	95.4 80.4	93.0 80.6	91.3 80.9	89.1 81.2	87.3 81.4	85.5 81.7	83.4 82.0	82.1 82.2	80.6 82.4	79.5 82.6	78.0 82.9	76.6 83.1	75.5 83.3	74.6 83.4	73.8 83.7	72.6 83.8	71.6 84.0	70.8 84.2	69.9 84.3	69.0 84.5	68.3 84.6	
Expectation of life: females Expectation of life: persons Deaths input	82.5 80.5	83.2 81.3	83.4 81.6	83.6 81.8	83.8 82.1	84.1 82.4	84.3 82.6	84.5 82.9	84.7 83.1	84.9 83.3	85.2 83.6	85.3 83.8	85.5 84.0	85.7 84.2	85.9 84.4	86.0 84.6	86.2 84.7	86.4 84.9	86.5 85.1	86.7 85.3	86.8 85.4	86.9 85.6	87.1 85.7	87.3 85.9	87.4 86.0	
In-migration from the UK	1,938	2,446	2,390	2,383	2,435	2,432	2,401	2,401	2,495	2,517	2,542	2,568	2,499	2,510	2,518	2,528	2,538	2,532	2,540	2,595	2,604	2,610	2,607	2,616	2,535	
Female	2,084	2,623	2,558	2,545	2,594	2,585	2,547	2,541	2,636	2,655	2,677	2,700	2,624	2,634	2,640	2,652	2,662	2,656	2,664	2,722	2,732	2,739	2,735	2,745	2,660	
All SMigR: males	4,023 0.1	5,069	4,948 0.1	4,928 0.1	5,029 0.1	5,017	4,948 0.1	4,942 0.1	5,131	5,172 0.1	5,218 0.1	5,268 0.1	5,123 0.1	5,143 0.1	5,158 0.1	5,181	5,201 0.1	5,188 0.1	5,203 0.1	5,317 0.1	5,336 0.1	5,350 0.1	5,343 0.1	5,362 0.1	5,195 0.1	
SMigR: females Migrants input	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Out-migration to the UK Male	1,331	836	895	913	873	878	903	895	796	776	757	735	815	812	819	814	816	836	839	792	794	798	812	813	745	
Female All	1,438 2,769	905 1,741	964 1,858	980 1,893	934 1,807	943 1,820	970 1,873	963 1,858	853 1,649	824 1,600	798 1,554	776 1,511	860 1,674	859 1,671	859 1,678	859 1,673	861 1,677	886 1,722	892 1,731	841 1,633	844 1,638	851 1,648	866 1,678	867 1,679	794 1,539	
SMigR: males SMigR: females	29.9 32.1	19.4 21.2	20.7 22.7	21.2 23.3	20.3 22.4	20.5 22.7	21.1 23.5	21.1 23.6	18.9 21.1	18.4 20.4	17.9 19.7	17.2 19.1	19.0 20.9	18.9 20.9	19.0 20.8	18.8 20.7	18.8 20.7	19.2 21.2	19.2 21.2	18.1 20.0	18.0 19.9	18.0 20.0	18.3 20.2	18.2 20.2	16.6 18.5	
Migrants input  In-migration from Overse	*	•	•	•	•	*	•	*	•	•	•	•	•	*	•	•	•	•	•	•	*	•	•	•	•	
Male	100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Female	89	89	89	93	90	91	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
All SMigR: males SMigR: females Migrants input	0.0 0.0	189 0.0 0.0	189 0.0 0.0	198 0.0 0.0	192 0.0 0.0	193 0.0 0.0	188 0.0 0.0	0.0 0.0																		
Out-migration to Oversea																										
Male Female All	1,588	1,593	1,592	1,597	1,605	1,602	1,593	1,583	1,579	1,583	1,589	1,589	1,593	1,593	1,602	1,597	1,601	1,604	1,607	1,611	1,615	1,618	1,624	1,628	1,632	
SMigR: males SMigR: females	3,304 35.7 38.3	3,318 37.0 40.4	3,308 36.9 40.4	3,313 37.0 40.7	3,324 37.3 41.1	3,322 37.3 41.4	3,304 37.3 41.5	3,287 37.3 41.7	3,270 37.5 41.9	3,265 37.5 41.7	3,264 37.5 41.4	3,266 37.3 41.2	3,274 37.1 40.9	3,277 37.0 40.9	3,281 37.1 40.7	3,282 36.9 40.7	3,291 36.9 40.6	3,306 36.8 40.6	3,317 36.7 40.7	3,322 36.7 40.7	3,333 36.6 40.6	3,344 36.5 40.5	3,355 36.5 40.5	3,364 36.5 40.5	3,373 36.5 40.5	
Migrants input	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Migration - Net Flows UK Overseas	+1,254 -3,116	+3,328	+3,090	+3,035	+3,222	+3,197	+3,075 -3,116	+3,083 -3,098	+3,482	+3,572	+3,664	+3,757	+3,449	+3,472	+3,480	+3,508	+3,523	+3,465	+3,473	+3,685	+3,698	+3,702	+3,665 -3,167	+3,682	+3,656	
Summary of population c	hange																									
Natural change Net migration	+71 -1,862	+77 +199	+85 -29	+79 -80	+69 +90	+59 +67	+43 -41	+28 -15	+8 +400	-6 +496	-16 +588	-27 +679	-36 +363	-53 +383	-67 +387	-79 +414	-95 +421	-109 +348	-126 +344	-136 +551	-143 +554	-153 +546	-161 +498	-167 +507	-178 +471	
Net change Crude Birth Rate /000	-1,791 10.21	+276 9.83	+56 9.82	-1 9.78	+159 9.64	+127 9.55	+2 9.44	+13 9.30	+408 9.13	+489 9.03	+573 8.95	+652 8.90	+328 8.90	+330 8.83	+320 8.78	+335 8.74	+326 8.72	+239 8.71	+218 8.70	+415 8.69	+411 8.73	+393 8.78	+337 8.83	+340 8.87	+293 8.88	
Crude Death Rate /000 Crude Net Migration Rate /000	9.43 -20.64	8.97 2.22	8.87 -0.32	8.90 -0.89	8.88 1.01	8.89 0.75	8.96 -0.46	8.99 -0.17	9.04 4.44	9.10 5.47	9.12 6.45	9.20 7.41	9.28 3.94	9.41 4.14	9.50 4.17	9.59 4.44	9.73 4.50	9.87 3.71	10.04 3.66	10.13 5.84	10.24 5.85	10.39 5.73	10.51 5.21	10.61 5.28	10.73 4.90	
Summary of Popu	lation es	timates	s/foreca	asts																						
0-4	2012 4,962	2013 4,813	2014 4.811	2015 4,775	2016 4,708	2017 4,629	2018 4,593	2019 4,552	2020 4,502	2021 4,469	2022 4,443	2023 4,424	2024 4,414	2025 4,391	2026 4,373	2027 4,358	2028 4,348	2029 4.340	2030 4.331	2031 4,327	2032 4,341	2033 4,362	2034 4,390	2035 4,420	2036 4,454	2037 4,484
5-10 11-15	5,947 5,473	5,931 5,245	5,942 5,068	5,950 4,932	5,983 4,881	5,994 4,938	5,958 5,020	5,905 5,072	5,880 5,080	5,856 5,114	5,806 5,130	5,742 5,164	5,725 5,148	5,694 5,143	5,658 5,119	5,617 5,070	5,578 5,003	5,540 4,976	5,504 4,947	5,471 4,914	5,454 4,882	5,443 4,851	5,438 4,819	5,436 4,789	5,440 4,764	5,450 4,744
16-17 18-59Female, 64Male	2,315 52.846	2,221	2,271	2,275	2,160 50.647	2,024	1,938	1,932	1,971	1,993 49.147	2,046 49.103	2,095 49.045	2,106 49.103	2,083 48,926	2,070 48,725	2,106 48.522	2,140 48.327	2,107 48 162	2,053	2,042 47.873	2,036 47.864	2,026 47.913	2,014 47.989	2,002	1,988 48,169	1,972 48,295
60/65 -74 75-84	12,469 5.097	12,733	13,029	13,315 5,458	13,585	13,787	13,970	14,107 6,276	14,214	14,451	14,357 7.310	14,446 7,733	14,642	14,839	15,128 8.524	15,409	15,731	16,028	16,310	16,514 8,932	16,685 8.849	16,762 8.865	16,763 8,989	16,713 9,127	16,580 9.353	16,375 9,592
85+ Total	2,009	1,997 89,327	2,037	2,081 89,659	2,154 89,658	2,254 89,817	2,305 89,944	2,367 89,946	2,463 89,959	2,568 90,367	2,662 90,857	2,782 91,430	2,909	3,040 92,410	3,143 92,740	3,298 93,060	3,488 93,395	3,721 93,722	3,919 93,960	4,105 94,179	4,482 94,593	4,782 95,004	4,995 95,397	5,178 95,734	5,324 96,074	5,456 96,367
Dependency ratios, mean			03,003	09,039	03,030	03,017	00,044	03,340	05,555	30,307	30,037	31,430	32,002	32,410	32,740	33,000	30,333	50,722	33,300	34,173	54,555	33,004	30,037	30,734	30,074	30,307
0-15 / 16-65 65+ / 16-65	0.28 0.28	0.28 0.30	0.28 0.31	0.28 0.32	0.28 0.33	0.28 0.34	0.28 0.35	0.28 0.36	0.28 0.37	0.28 0.38	0.28 0.38	0.28 0.39	0.28 0.40	0.28 0.41	0.28 0.42	0.28 0.44	0.28 0.45	0.28 0.46	0.28 0.47	0.28 0.49	0.27 0.50	0.27 0.51	0.27 0.52	0.28 0.52	0.28 0.53	0.28 0.54
0-15 and 65+ / 16-65 Median age males	0.56 41.9	0.59 42.6	0.59 42.9	0.60 43.3	0.61 43.7	0.62 44.0	0.63 44.2	0.65 44.4	0.65 44.6	0.66 44.7	0.67 44.6	0.67 44.6	0.68 44.6	0.69 44.7	0.70 44.8	0.71 44.9	0.72 45.0	0.74 45.2	0.75 45.3	0.76 45.4	0.77 45.5	0.78 45.6	0.79 45.6	0.80 45.7	0.81 45.8	0.81 46.0
Median age females Sex ratio males /100 females	43.2 97.1	44.0 97.3	44.4 97.5	44.9 97.7	45.3 97.8	45.7 98.0	46.1 98.1	46.5 98.3	46.9 98.5	47.1 98.6	47.3 98.7	47.4 98.8	47.4 98.8	47.5 98.9	47.6 99.0	47.7 99.1	47.9 99.2	48.0 99.2	48.2 99.4	48.4 99.5	48.5 99.6	48.6 99.7	48.7 99.8	48.8 100.0	48.9 100.1	49.0 100.2
Population impact of cons Number of persons	straint +3,236	+1,071	+3,154	+2,899	+2,839	+3,034	+3,004	+2,862	+2,856	+3,243	+3,329	+3,420	+3,511	+3,199	+3,212	+3,206	+3,219	+3,227	+3,168	+3,172	+3,378	+3,390	+3,392	+3,355	+3,369	+3,669
Labour Force Number of Labour Force	48,791	47,614	47,673	47,590	47,452	47,314	47,176	47,038	46,899	46,815	46,731	46,647	46,562	46,477	46,391	46,305	46,219	46,132	46,045	45,958	46,013	46,068	46,122	46,177	46,232	46,287
Change in Labour Force over Number of supply units	previous year 32,217	-1,176 31,984	+58 32,023	-82 32,062	-138 32,101	-138 32,140	-138 32,179	-138 32,218	-138 32,257	-84 32,296	-84 32,335	-85 32,374	-85 32,413	-85 32,452	-86 32,491	-86 32,530	-86 32,569	-87 32,608	-87 32,647	-87 32,686	+55 32,725	+55 32,764	+55 32,803	+55 32,842	+55 32,881	+55 32,920
Change in over previous year		-233	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39	+39
Households																										
Number of Households Change in Households over pr		38,814 -395	39,087 +272	39,309 +222	39,518 +209	39,811 +293	40,068 +257	40,268 +200	40,462 +194	40,795 +333	41,159 +364	41,553 +394	41,979 +426	42,280 +301	42,605 +324	42,903 +298	43,218 +315	43,520 +302	43,784 +264	44,051 +267	44,367 +315	44,675 +308	44,974 +299	45,236 +262	45,499 +263	45,734 +235
Number of supply units Change in over previous year	40,906	40,495 -412	40,779 +284	41,010 +232	41,229 +218	41,535 +306	41,803 +268	42,012 +209	42,214 +202	42,562 +348	42,941 +379	43,352 +411	43,797 +445	44,111 +314	44,449 +338	44,761 +311	45,090 +329	45,404 +315	45,680 +276	45,958 +278	46,288 +329	46,609 +322	46,921 +312	47,195 +273	47,469 +275	47,714 +245

Population Estimates and Forecasts High Peak Job Stabilisation

Components of F	Population Year begins		-	H	ligh Pea	ak																				
Births	2012-13 2		2014-15 2	 015-16 2	016-17 2	017-18 2	2018-19 20	019-20 20	020-21 20	021-22 2	022-23 20	023-24 20	24-25 20	025-26 20	026-27 20	027-28 20	28-29 2	029-30 2	2030-31 20	31-32 20	032-33 2	033-34 20	034-35 20	035-36 20	36-37	
Male	472	458	457	457	453	451	448	443	438	437	437	439	442	442	442	442	444	445	446	448	450	452	454	455	454	
Female	449	436	435	436	431	430	427	422	417	416	416	418	421	421	421	421	422	424	425	427	428	430	432	433	433	
All Births TFR Births input	921 1.94	893 1.95	892 1.95	893 1.96	884 1.95	881 1.95	875 1.94	866 1.94	855 1.94	853 1.94	853 1.94	857 1.94	864 1.94	863 1.94	863 1.94	864 1.94	866 1.94	869 1.94	872 1.94	875 1.94	878 1.94	882 1.94	885 1.94	888 1.94	887 1.94	
Deaths																										
Male Female	410 441	392 413	390 407	394 407	391 408	398 404	401 408	404 409	408 411	413 416	418 418	425 425	432 431	440 439	447 444	452 450	461 458	470 466	478 477	486 482	492 490	501 498	510 506	517 511	524 519	
All deaths SMR: males	850 108.4	804 101.7	796 98.5	800 96.6	799 93.2	802 91.6	809 89.5	813 87.2	820 85.4	829 83.5	837 81.6	850 80.1	863 78.7	878 77.3	891 76.1	903 74.6	919 73.5	936 72.5	955 71.6	968 70.6	982 69.5	1,000 68.8	1,015 68.0	1,028 67.2	1,043 66.5	
SMR: females SMR: persons	110.3 109.4	103.5 102.6	100.8 99.6	99.2 97.9	97.6 95.4	94.5 93.0	93.1 91.3	91.0 89.1	89.2 87.3	87.6 85.5	85.4 83.4	84.2 82.1	82.7 80.6	81.7 79.5	80.1 78.0	78.8 76.6	77.7 75.5	76.7 74.6	76.1 73.8	74.8 72.6	73.8 71.6	72.9 70.8	71.9 69.9	71.0 69.0	70.3 68.3	
Expectation of life: males Expectation of life: females	78.4 82.5	79.3 83.2	79.7 83.4	79.9 83.6	80.4 83.8	80.6 84.1	80.9 84.3	81.2 84.5	81.4 84.7	81.7 84.9	82.0 85.2	82.2 85.3	82.4 85.5	82.6 85.7	82.9 85.9	83.1 86.0	83.3 86.2	83.4 86.4	83.7 86.5	83.8 86.7	84.0 86.8	84.2 86.9	84.3 87.1	84.5 87.3	84.6 87.4	
Expectation of life: persons Deaths input	80.5	81.3	81.6	81.8	82.1	82.4	82.6	82.9	83.1	83.3	83.6	83.8	84.0	84.2	84.4	84.6	84.7	84.9	85.1	85.3	85.4	85.6	85.7	85.9	86.0	
In-migration from the Uk	(																									
Male Female	2,069 2,224	2,418 2,593	2,421 2,591	2,412 2,576	2,465 2,625	2,461 2,616	2,430 2,577	2,430 2,572	2,525 2,668	2,548 2,688	2,573 2,710	2,600 2,734	2,530 2,657	2,541 2,667	2,550 2,673	2,560 2,685	2,569 2,695	2,563 2,688	2,570 2,696	2,568 2,693	2,579 2,706	2,585 2,713	2,582 2,709	2,591 2,719	2,509 2,633	
All SMigR: males	4,293 0.1	5,011 0.1	5,013 0.1	4,988 0.1	5,090 0.1	5,078 0.1	5,007 0.1	5,002 0.1	5,193 0.1	5,236 0.1	5,283 0.1	5,334 0.1	5,187 0.1	5,208 0.1	5,223 0.1	5,245 0.1	5,264 0.1	5,251 0.1	5,266 0.1	5,261 0.1	5,285 0.1	5,298 0.1	5,291 0.1	5,309 0.1	5,142 0.1	
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	
Migrants input  Out-migration to the UK																										
Male Female	1,201 1,298	864 935	864 931	884 949	843 903	849 911	874 940	866 932	766 820	745 791	725 764	703 741	784 827	781 826	788 826	782 826	785 828	805 854	808 860	819 870	818 870	823 877	837 892	838 893	770 822	
All SMigR: males	2,498 27.0	1,799	1,794	1,833	1,746 19.4	1,760 19.5	1,814	1,798	1,586 17.8	1,536 17.3	1,489	1,444	1,610 17.8	1,607 17.6	1,614 17.7	1,608 17.5	1,614 17.5	1,659	1,668 17.8	1,689	1,688 17.9	1,700 17.9	1,729	1,731 18.2	1,592	
SMigR: frailes SMigR: females Migrants input	29.0	21.7	21.7	22.3	21.3	21.6	22.4	22.4	19.8	19.1	18.4	17.7	19.5	19.4	19.3	19.2	19.1	19.6	19.6	19.8	19.7	19.8	20.1	20.2	18.5	
In-migration from Overs	026																									
Male	100	100	100	105	102	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Female	89	89	89	93	90	91	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
All SMigR: males	189 0.0	189 0.0	189 0.0	198 0.0	192 0.0	193 0.0	188 0.0																			
SMigR: females Migrants input	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Out-migration to Overse																										
Male Female	1,588 1,716	1,593 1,725	1,592 1,715	1,597 1,716	1,605 1,719	1,602 1,720	1,593 1,712	1,583 1,703	1,579 1,691	1,583 1,682	1,589 1,675	1,589 1,677	1,593 1,681	1,593 1,684	1,602 1,679	1,597 1,685	1,601 1,689	1,604 1,702	1,607 1,710	1,611 1,711	1,615 1,718	1,618 1,726	1,624 1,731	1,628 1,736	1,632 1,741	
All SMigR: males	3,304 35.7	3,318 36.6	3,308 36.6	3,313 36.7	3,324 36.9	3,322 36.8	3,304 36.7	3,287 36.6	3,270 36.7	3,265 36.7	3,264 36.6	3,266 36.3	3,274 36.1	3,277 36.0	3,281 36.0	3,282 35.7	3,291 35.6	3,306 35.5	3,317 35.4	3,322 35.3	3,333 35.3	3,344 35.3	3,355 35.3	3,364 35.4	3,373 35.4	
SMigR: females Migrants input	38.3	40.0	40.0	40.2	40.6	40.7	40.7	40.9	40.9 *	40.6	40.3	40.0	39.6	39.6	39.3	39.2	39.0	39.0	39.0	38.9	38.9	39.0	39.1	39.2	39.3	
Migration - Net Flows	+1,795	+3.212	+3.218	+3,155	+3,344	+3.318	+3,194	+3,205	+3.607	+3,700	+3.794	+3.890	+3.577	+3.601	+3.609	+3,637	+3.651	+3.592	+3.597	+3,571	+3.597	+3,599	+3,562	+3.578	+3,550	
Overseas	-3,116	-3,129	-3,119	-3,115	-3,132	-3,129	-3,116	-3,098	-3,082	-3,076	-3,076	-3,078	-3,085	-3,089	-3,093	-3,094	-3,102	-3,118	-3,128	-3,134	-3,144	-3,156	-3,167	-3,176	-3,185	
Summary of population	_																									
Natural change Net migration	+71 -1,321	+89 +83	+96 +99	+92 +40	+85 +212	+79 +188	+66 +78	+53 +107	+35 +525	+24 +623	+17 +718	+7 +812	+1 +491	-16 +512	-28 +517	-39 +544	-53 +548	-67 +474	-83 +469	-93 +438	-104 +453	-118 +443	-130 +395	-140 +402	-156 +365	
Net change Crude Birth Rate /000	-1,250 10.18	+172 9.93	+195 9.90	+133 9.89	+297 9.77	+267 9.70	+144 9.62	+160 9.50	+561 9.34	+647 9.26	+735 9.20	+819 9.16	+492 9.17	+497 9.11	+489 9.06	+505 9.02	+495 9.00	+407 8.99	+386 8.98	+345 8.98	+349 8.98	+325 8.99	+265 9.00	+263 9.00	+209 8.96	
Crude Death Rate /000 Crude Net Migration Rate /00	9.40 00 -14.60	8.94 0.92	8.84 1.10	8.86 0.44	8.83 2.34	8.83 2.07	8.89 0.86	8.92 1.17	8.96 5.74	9.00 6.77	9.02 7.74	9.08 8.68	9.16 5.21	9.27 5.41	9.35 5.43	9.43 5.68	9.55 5.70	9.68 4.91	9.83 4.83	9.93 4.49	10.04 4.63	10.19 4.51	10.32 4.01	10.42 4.08	10.54 3.69	
Summary of Pop	ulation es	timates	s/foreca	asts																						
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
0-4 5-10	4,962 5,947	4,848 5,956	4,847 5,964	4,825 5,981	4,774 6,023	4,712 6,044	4,696 6,019	4,669 5,982	4,636 5,974	4,620 5,968	4,611 5,937	4,607 5,894	4,613 5,900	4,604 5,889	4,599 5,873	4,595 5,851	4,596 5,831	4,598 5,812	4,598 5,792	4,602 5,775	4,609 5,761	4,620 5,751	4,634 5,745	4,648 5,740	4,665 5,739	4,673 5,740
11-15 16-17	5,473 2,315	5,261 2,229	5,081 2,277	4,948 2,283	4,902 2,169	4,964 2,034	5,052 1,949	5,110 1,945	5,125 1,985	5,166 2,010	5,191 2,066	5,235 2,118	5,229 2,131	5,238 2,112	5,229 2,102	5,196 2,143	5,146 2,181	5,137 2,152	5,125 2,106	5,110 2,102	5,086 2,099	5,063 2,093	5,039 2,085	5,015 2,077	4,996 2,066	4,979 2,053
18-59Female, 64Male 60/65 -74	52,846 12,469	51,631 12,756	51,466 13,049	51,301 13,342	51,166 13,620	51,106 13,830	50,908 14,022	50,528 14,166	50,207 14,283	50,121 14,531	50,171 14,446	50,208 14,547	50,363 14,756	50,279 14,965	50,171 15,268	50,063 15,564	49,962 15,900	49,890 16,213	49,857 16,511	49,790 16,730	49,703 16,905	49,685 16,984	49,695 16,986	49,712 16,936	49,749 16,802	49,814 16,594
75-84 85+	5,097 2,009	5,183 2,004	5,315 2,042	5,467 2,087	5,551 2,162	5,711 2,263	5,970 2,316	6,296 2,379	6,548 2,477	6,796 2,584	7,342 2,679	7,768 2,801	8,075 2,931	8,338 3,064	8,576 3,169	8,736 3,326	8,844 3,519	8,917 3,756	8,936 3,957	9,012 4,146	8,927 4,523	8,945 4,821	9,070 5,034	9,209 5,214	9,439 5,359	9,681 5,489
Total	91,118	89,868	90,040	90,235	90,367	90,664	90,931	91,075	91,235	91,795	92,443	93,178	93,997	94,489	94,986	95,475	95,980	96,475	96,882	97,268	97,613	97,962	98,287	98,552	98,814	99,024
Dependency ratios, mea 0-15 / 16-65	n age and sex 0.28	ratio 0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
65+ / 16-65 0-15 and 65+ / 16-65	0.28 0.56	0.30 0.58	0.31 0.59	0.32 0.60	0.33 0.61	0.34 0.62	0.35 0.63	0.36 0.64	0.36 0.65	0.37 0.66	0.38 0.66	0.39 0.67	0.40 0.68	0.41 0.69	0.42 0.70	0.43 0.71	0.44 0.72	0.45 0.73	0.46 0.74	0.47 0.75	0.48 0.76	0.49 0.77	0.50 0.78	0.51 0.79	0.52 0.80	0.53 0.81
Median age males Median age females	41.9 43.2	42.5 43.9	42.9 44.4	43.2 44.8	43.5 45.1	43.8 45.5	44.0 45.9	44.2 46.2	44.3 46.5	44.3 46.7	44.2 46.9	44.2 46.9	44.2 46.9	44.3 46.9	44.3 47.0	44.4 47.1	44.5 47.2	44.6 47.3	44.7 47.5	44.8 47.6	44.9 47.8	45.0 47.9	45.2 48.1	45.3 48.2	45.5 48.3	45.6 48.5
Sex ratio males /100 females	97.1	97.3	97.5	97.6	97.8	97.9	98.1	98.2	98.4	98.6	98.7	98.7	98.8	98.9	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.9	100.0	100.1
Population impact of co	nstraint +3,236	+1,612	+3,039	+3,027	+2,960	+3,155	+3,125	+2,981	+2,978	+3,368	+3,457	+3,550	+3,644	+3,327	+3,341	+3,335	+3,349	+3,354	+3,295	+3,297	+3,265	+3,288	+3,289	+3,252	+3,265	+3,562
Labour Force			49	,,,	47	4====	49	47	47	47	47	,,,		47	47	47	49	47	47.000	47	47	47	47.000	,,,		
Number of Labour Force Change in Labour Force ove		47,961 -830	47,961 +0	47,961 +0	47,905 -56	47,849 -56	47,794 -56	47,738 -56	47,683 -55	47,683 +0	47,683	47,683 -0	47,683 -0	47,683 +0	47,683 -0	47,683 -0	47,683 +0	47,683	47,683 +0	47,683 -0	47,683	47,683 -0	47,683 +0	47,683	47,683 +0	47,683 -0
Number of supply units Change in over previous year	32,217 ar	32,217 +0	32,217 +0	32,217 +0	32,217 -0	32,217 +0	32,217 +0	32,217 +0	32,217 +0	32,217 +0	32,217 0	32,217 -0	32,217 -0	32,217 +0	32,217 -0	32,217 -0	32,217 +0	32,217 0	32,217 +0	32,217 -0	32,217 0	32,217 -0	32,217 +0	32,217 0	32,217 +0	32,217 -0
Hausahald-																										
Households Number of Households	39,209	38,997	39,240	39,510	39,768	40,111	40,420	40,672	40,919	41,308	41,730	42,183	42,670	43,032	43,417	43,778	44,156	44,521	44,849	45,180	45,477	45,767	46,046	46,285	46,523	46,731
Change in Households over p Number of supply units	40,906	-212 40,685	+243 40,939	+270 41,220	+258 41,490	+343 41,848	+308 42,170	+253 42,433	+247 42,691	+389 43,097	+421 43,536	+453 44,009	+487 44,518	+361 44,895	+386 45,297	+360 45,673	+379 46,068	+365 46,449	+328 46,791	+331 47,136	+297 47,446	+290 47,748	+279 48,039	+239 48,289	+239 48,538	+208 48,755
Change in over previous year	ar	-221	+253	+282	+269	+358	+322	+264	+258	+406	+440	+473	+509	+377	+403	+376	+395	+381	+342	+345	+310	+303	+291	+249	+249	+217





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