



## 1 Introduction

This paper examines the 2012-based population projections for Poole for the decade 2012-2022. (The base population is the mid-year estimate at 2012.) The projected population for each year is calculated by ageing on the population for the previous year, applying assumed local fertility and mortality rates to calculate the number of projected births and deaths, and then adjusting for migration into and out of Poole. The assumed levels of fertility, mortality and migration are derived from observed values during the five years previous to 2012 and are constrained to the assumptions made in the 2012-based national projections.<sup>1</sup>

Projections become increasingly uncertain the further they are carried forward due to the inherent uncertainty of demographic behaviour and we thus confine our attention to a period of one decade.

Projections are not forecasts. They make no attempt to model the local impact of policy changes, changing economic circumstances or other factors influencing demographic outcomes. Nonetheless they are useful in providing a common framework for informing local level policy and planning around a variety of matters, such as school places, housing and social care provision.

*Note: population figures below are rounded to the nearest 100; however, percentage increases given to one place of decimals are based on the projected figures considered to the nearest integer.*

### Key Points

- Poole's population is projected to increase by 8.1% over the 10 year period.
- For comparison, England's population is projected to increase by 7.2 %.
- The increase in Poole's population is mainly driven by net internal (England) migration. This accounts for about three quarters of the increase in population.
- Across local authorities in England, projected change in population varies from a fall of 1.8% in Barrow-in-Furness to an increase of 22.1% for Tower Hamlets.
- The number of local authorities in England with more than a quarter of their population aged 65 or over is projected to increase from 24 to 83 over the decade. *The growth in the elderly population, both locally and nationally, is arguably the most significant change in population discussed below because of its impact on health and social care provision.*
- Over the decade the increase in Poole's population of those aged 85 or over is projected to increase by nearly one third (32%). The population of this age cohort is growing at a faster rate than the others we consider in this paper.

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<sup>1</sup> A detailed methodological paper can be found [here](#).

## 2 Total population

The table below shows the projected population change in Poole. Comparisons with the South West region and England are also shown.

**Table 1: Projected Population change, locally, regionally and nationally**

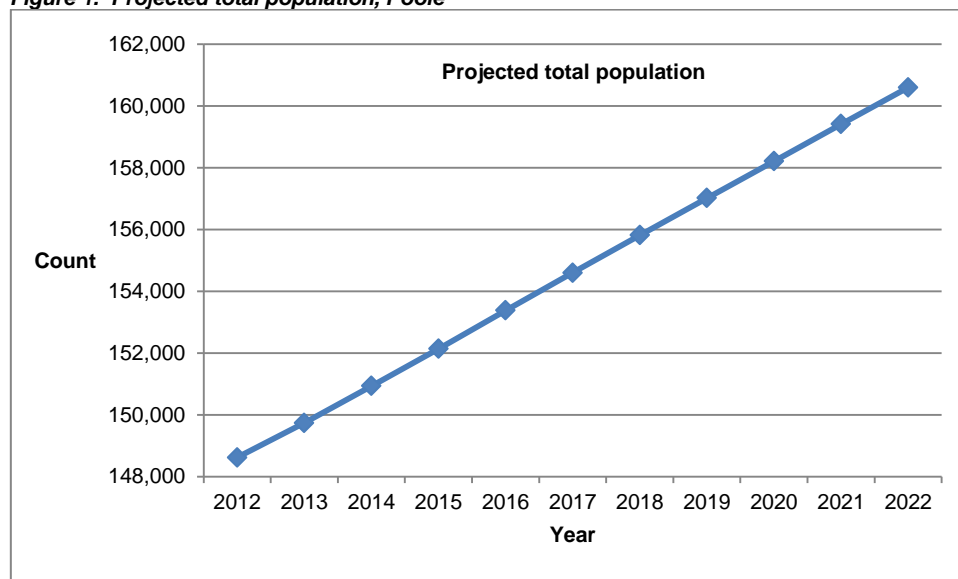
	Mid-2012 total	Mid-2022 total	Percentage change over 10 years			
			All ages	0-15	16-64	65+
<b>Poole</b>	148,600	160,600	8.1	11.0	3.1	20.1
South West	5,339,600	5,707,400	6.9	9.4	0.8	23.3
England	53,493,700	57,337,800	7.2	9.2	2.6	22.4

*Data source: ONS 2012-based population projections.*

Of the 12,000 increase in the population over the decade we estimate<sup>2</sup> that around 9,000 is due to net internal migration within England, that is, about 900 more people living in other areas of England move into Poole each year than move from Poole to other areas of England. This, then, is the biggest driver of population change in Poole. Approximately 2,000 of the increase over the decade is natural (more births than deaths) and 1,000 is due to net international migration. Cross border (within UK) migration in and out of Poole tends to cancel.

The projected total population for each year is shown in Figure 1 below. It rises from 148,600 to 160,600 or an increase of 8.1% over the decade.

**Figure 1. Projected total population, Poole**



*Data source: ONS 2012-based population projections*

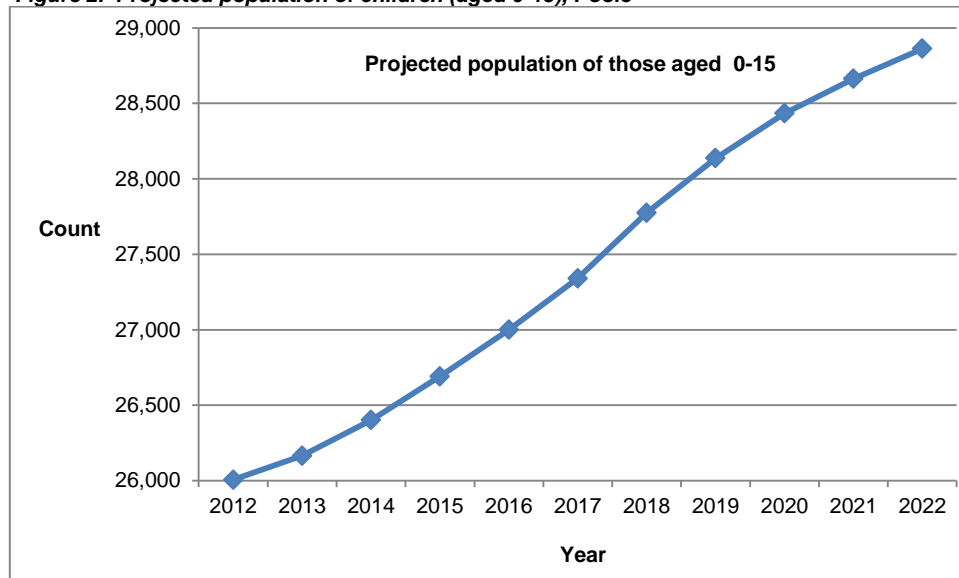
<sup>2</sup> Supplied annual data on components of change are rounded to the nearest 100, so rounding errors may be present when we aggregate over the decade.

### 3 Population of children

The population of those aged 0-15 in Poole is projected to increase from 26,000 to 28,900 over the decade, or an increase of 11.0%

The graph below shows the projected population of those aged 0-15 for each year.

**Figure 2. Projected population of children (aged 0-15), Poole**



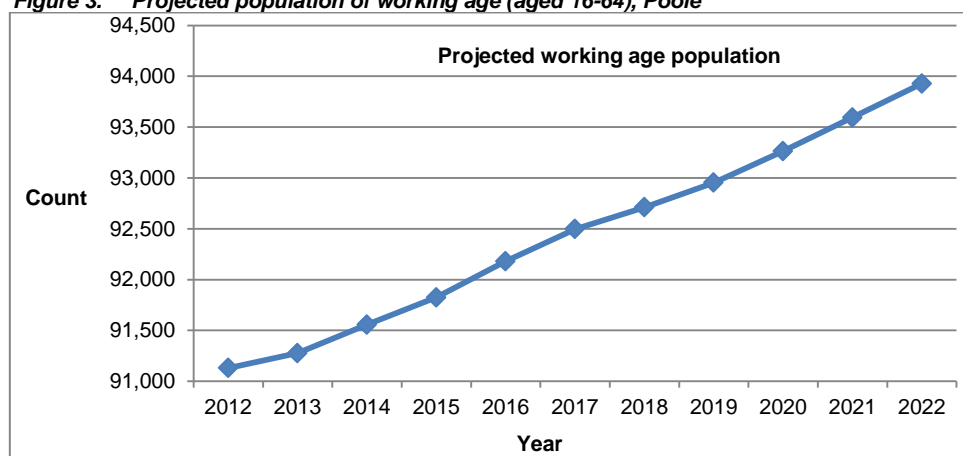
Data source: ONS 2012-based population projections

### 4 Population of working age

The population of those aged 16-64 in Poole is projected to increase from 91,100 to 93,900 over the decade, an increase of 3.1%. This section of the population is growing at a slower rate than either young people or the elderly.

The graph below shows the projected working age population for each year.

**Figure 3. Projected population of working age (aged 16-64), Poole**



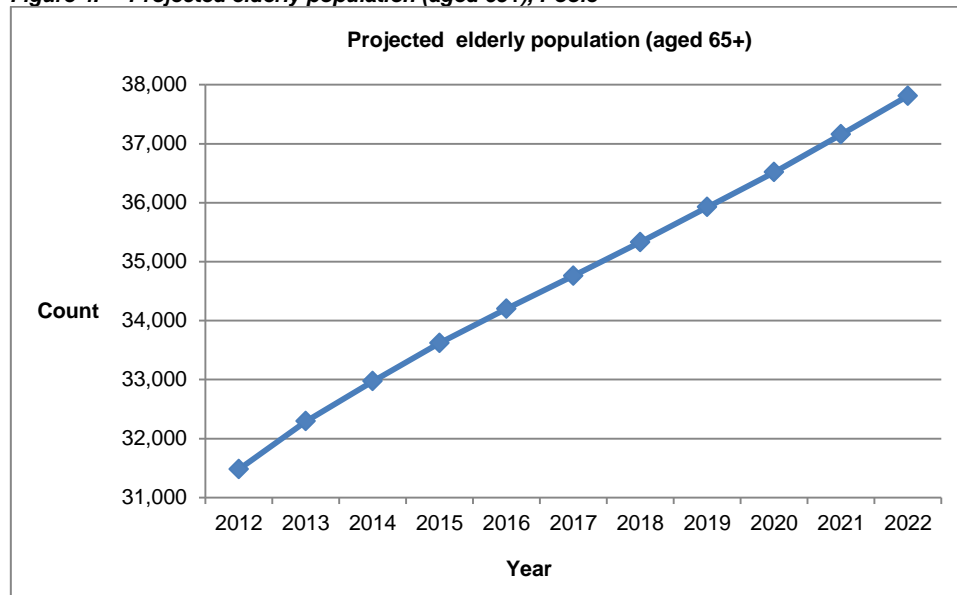
Data source: ONS 2012-based population projections

## 5 The elderly population

The elderly population in Poole (and especially the very elderly) is growing at a faster rate than the working age population or the population of younger people. We define “elderly” as those aged 65+ and “very elderly” as those aged 85+.

The elderly population in Poole is projected to increase from 31,500 to 37,800 over the decade, an increase of 20.1%. The graph below shows the projected elderly population for each year.

Figure 4. Projected elderly population (aged 65+), Poole



Data source: ONS 2012-based population projections

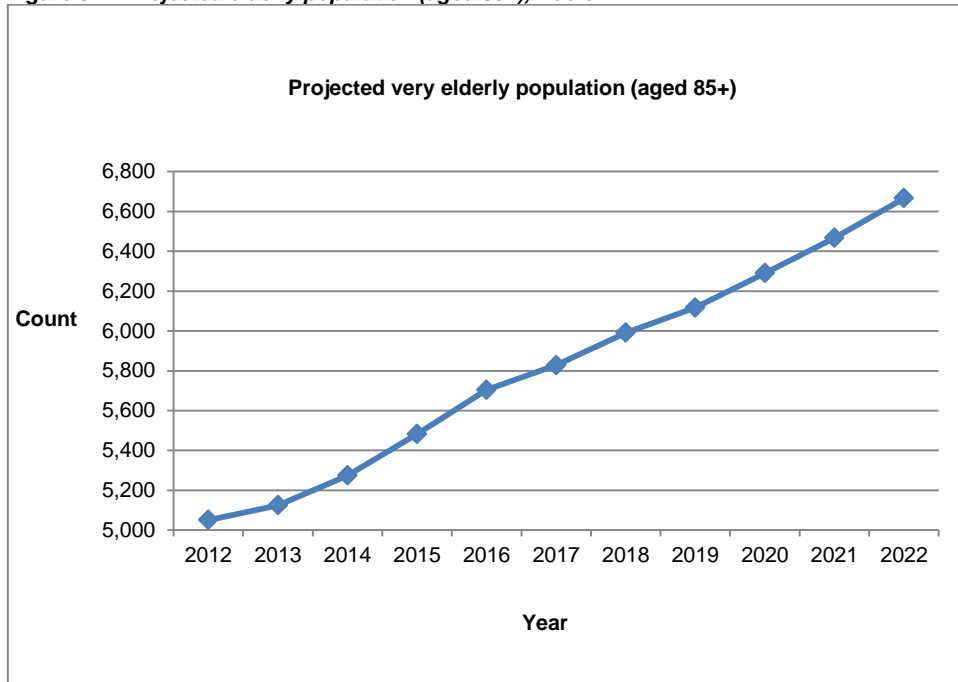
Note that as a proportion of the total population those aged 65+ comprised 21.2% of the population in 2012. This is projected to rise to 23.5% by 2022, that is, nearly one in four of the population will then be elderly.

## 6 The very elderly population

The population aged 85+ will see the greatest growth rate of the age cohorts we consider. The very elderly population in Poole is projected to rise from 5,100 to 6,700 over the decade a percentage increase (in the unrounded data) of 32.0%. An increase of nearly one third in the numbers in this especially “needy” cohort may be of some interest to professionals concerned with health and social care issues.

The graph below shows the projected population who are very elderly for each year.

**Figure 5. Projected elderly population (aged 85+), Poole**



Data source: ONS 2012-based population projections

For further details or queries about this report please contact Charles Arthurs, Corporate Research Team, Borough of Poole.  
Tel: 01202 6333881 or email: [c.arthurs @poole.gov.uk](mailto:c.arthurs@poole.gov.uk)