



## Case Study: Yorkshire Housing Demographic Change

### Requirements

Yorkshire Housing wished to better understand the socio-demographic changes that will affect its region of operation over a 10–25-year time-frame.

Edge Analytics was commissioned to consider the likely population trends in Yorkshire and its surrounding regions, and the social and economic trends that might influence the composition of the region to 2040.

Yorkshire Housing required specific information on population size with a reference to household size, age profile, wealth and income distribution.

### Solution

Edge Analytics used POPGROUP forecasting technology to derive population and household projections for the 2015-2040 period, providing Yorkshire Housing with a perspective on change in the number and type of households in each of Yorkshire's local authority districts.

The changing age-structure of the Yorkshire region's population was illustrated using key age profile indicators, including the age dependency ratio, measuring the balance of population in younger and older age-groups. Edge Analytics also provided additional evidence on the distribution and growth of Yorkshire's ethnic population.

To present variations in wealth and income, Edge Analytics used the Index of Multiple Deprivation (IMD), in combination with average house price statistics for corresponding areas.

Yorkshire Housing was also provided with Census statistics on limiting long-term illness and published statistics on healthy life expectancy to provide the basis for presenting regional variations in health and well-being.

A summary report was accompanied by a suite of key socio-economic indicators for the areas within Yorkshire Housing's operational geography.