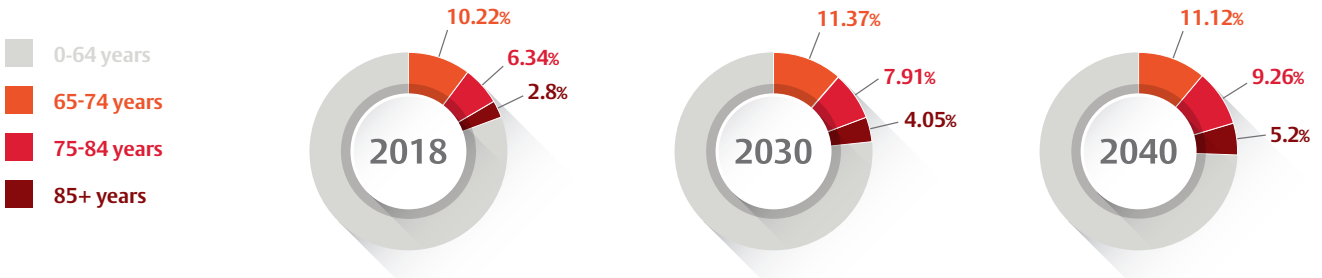


# STRUCTURAL HEART DISEASE BURDEN

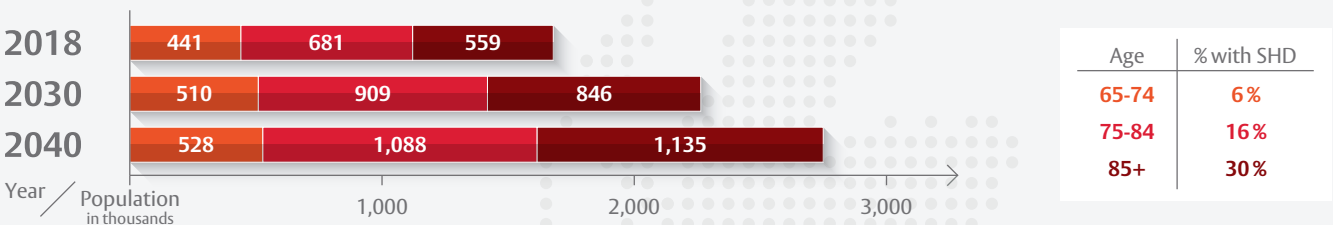


**Structural Heart Diseases (SHD)** are cardiac defects often and increasingly linked to functional decline and population ageing that demand repair and/or replacement of heart valves such as aortic stenosis, mitral valve regurgitation and tricuspid repair.

## Percentages of population in the UK<sup>1</sup>:



## Estimated number of people with SHD in the UK\*:



Age	% with SHD
65-74	6%
75-84	16%
85+	30%

\* These figures have been extrapolated based on projected demographic figures of the Office for National Statistics<sup>2</sup> and the burden of Structural Heart Diseases provided in the OxVALVE Population Cohort Study<sup>3</sup>. Figures rounded to the nearest thousand.

## Key facts related to SHD in the UK:

The UK spent **£113.3 billion** in 2015 on public healthcare<sup>4</sup>

By 2020, **1/4** of the healthcare demand will be for the people over 65<sup>5</sup>

CVD represented **6%** of the total health public budget in 2015<sup>6</sup>

## Key Messages:

- By 2040, we will have **over 20 million people** over the age of 65<sup>7</sup>.
- The UK faces an unprecedented challenge to their economic stability and social structures through **drastic increases in older citizens** as a percentage of the population
- The prevalence of elderly people in Britain is the new norm and **requires corresponding policies** that no longer rely on the standard contributions to the economy and society of the 30-55 age groups.
- Investments in health innovations for this population are an **economic necessity for Britain** to adapt to the new demographic challenges.
- **Investing in technologies** that can keep seniors out of hospital and having an active engagement in society will help to solve this issue



In 2040 the UK will have an estimated **2.7 million people** over 65 with SHD.

<sup>1,2,5,7</sup> Office for National Statistics (2016), <https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationprojections/datasets/tablea11principalprojectionuksummary> [retrieved on: 25/July/2018]

<sup>3</sup> J. d'Arcy et al. (2016) Large-scale community echocardiographic screening reveals a major burden of undiagnosed valvular heart disease in older people: the OxVALVE Population Cohort Study <https://www.ncbi.nlm.nih.gov/pubmed/27354049#> [retrieved on: 25/July/2018]

<sup>4,6</sup> R. Harker (2018), Briefing Paper : NHS Funding and Expenditure, <http://researchbriefings.files.parliament.uk/documents/SN00724/SN00724.pdf> [retrieved on: 25/July/2018]



Edwards