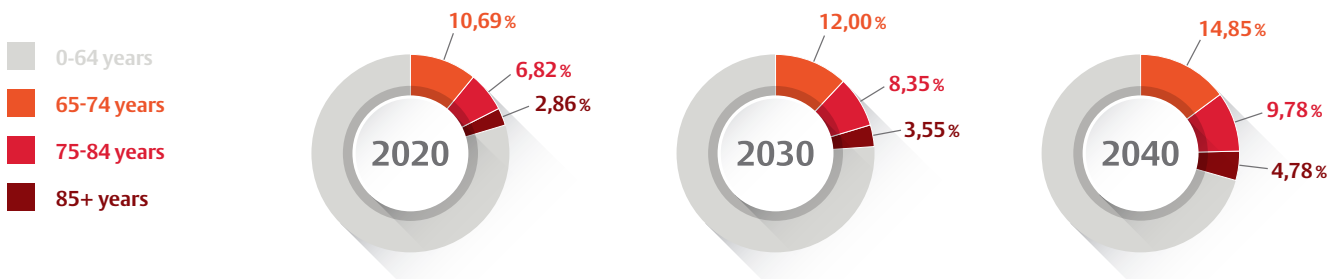


STRUCTURAL HEART DISEASE BURDEN

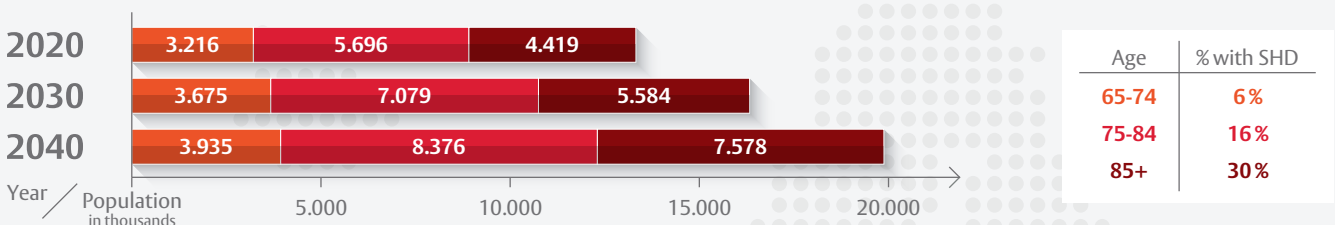


Structural Heart Diseases (SHD) are cardiac defects often and increasingly linked to functional decline and population ageing that demand repair and/or replacement of heart valves such as aortic stenosis, mitral valve regurgitation and tricuspid repair.

Percentages of population in the EU¹:



Estimated number of people with SHD in the EU*:



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

* These figures have been extrapolated based on projected demographic figures from Eurostat² and the burden of Structural Heart Diseases provided in the OxVALVE Population Cohort Study³. Figures rounded to the nearest thousand.

Key facts related to SHD in the EU:

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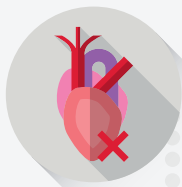
people are estimated to have SHD in the EU in 2040⁴.

In 2040 **1/4** of the healthcare demand will be for people over the age of 65⁵.

The old-age dependency ratio⁶ in 2016 was 30%, in 2040 this will be **46%**⁷.

Key Messages:

- The senior population in Europe is about to experience an **exponential growth** in the next years with a corresponding **vast increase in prevalence of SHD**.
- The proportionate change in our demographics requires a corresponding proportionate **change in our health systems**.
- EU Member States face an unprecedented challenge to their economic stability and social structures through the **drastic increase in older citizens** as a percentage of population.
- Preserving senior citizens autonomy through enabling treatments is an economic imperative. It should be looked on no more differently than an economic crisis that **requires comprehensive policy responses**.



In 2040 the EU will have an estimated **20 million people** over 65 with SHD⁸.

^{1,2,5,8} Eurostat (2017) People in the EU – population projections, http://ec.europa.eu/eurostat/statistics-explained/index.php?title=People_in_the_EU_-_population_projections [retrieved on: 25/July/2018]
^{3,4} 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]
⁶ The old age dependency ration is defined as the ratio between the number of persons aged 65 years and over to the number of persons aged 15-64, expressed as a percentage.
⁷ Eurostat (2017) Baseline projections: demographic balances and indicators <http://appsso.eurostat.ec.europa.eu/nui/submitViewTableAction.do> [retrieved on 31/July/2018]



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