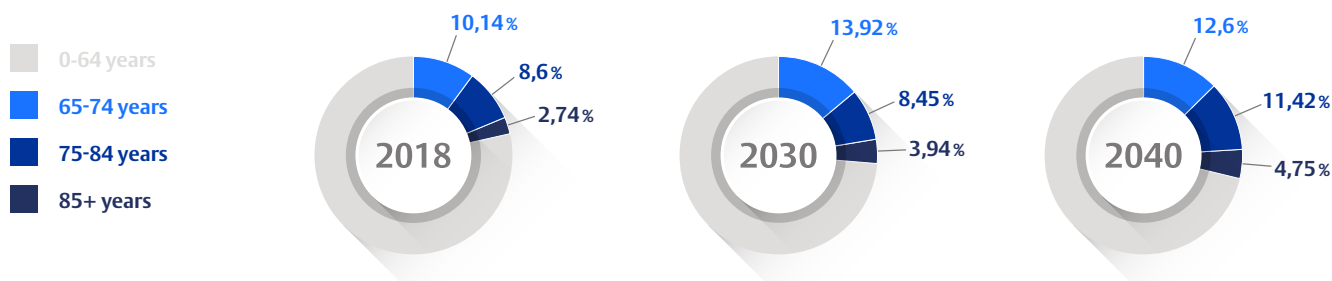


# STRUCTURAL HEART DISEASE BURDEN

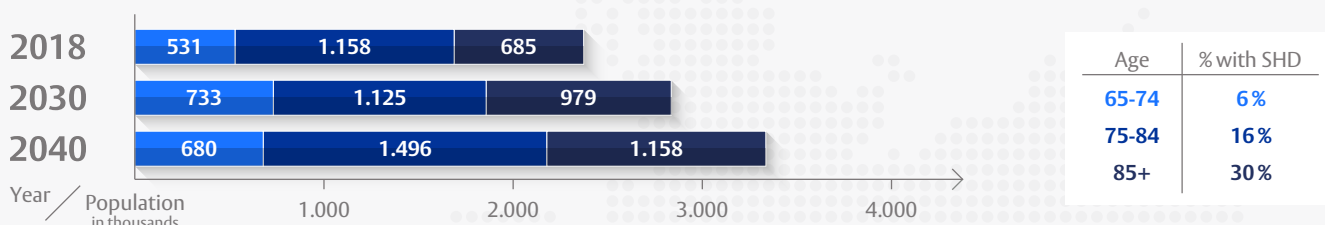
GERMANY 

**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 Germany<sup>1</sup>:



## Estimated number of people with SHD in Germany\*:



\* These figures have been extrapolated based on projected demographic figures of the National Institute of 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 Germany:

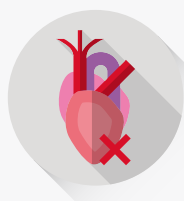
Germany spent  
**338,2 billion €**  
on public healthcare in 2015<sup>4</sup>.

Cardiovascular diseases (CVD)  
represented **13,7%**  
of the total public healthcare  
budget in 2015<sup>5</sup>.

CVD (including SHD) cost the  
German Economy  
**46,4 billion €**  
in 2015<sup>6</sup>.

## Key Messages:

- Germany has the **third oldest population** in the world after Monaco and Japan.<sup>7</sup>
- In 2016, 52,120 people above the age of 75 were **hospitalized for a heart valve disease** only. This is an increase by 184.8% since 1995.<sup>8</sup>
- Demographic change is a reality** in Germany and SHDs as a major economic burden of disease in senior citizens must be prioritized in Germany.
- In order to alleviate the effects of demographic change, **timely diagnosis** of SHDs and the use of **high-quality and risk adapted methods** are key to ensure that senior patients remain **healthy and autonomous** and can recover fully after procedures.



In 2040 Germany will have an estimated **3,3 million people** over 65 with SHD<sup>9,10</sup>.

<sup>1,2,9</sup> National Institute of Statistics (2017) Population Development until 2060: Results of the 13th Coordinated Population Projection; Updated Calculation based on 2015, [https://www.destatis.de/DE/Publikationen/Thematisch/Bevoelkerung/VorausberechnungBevoelkerung/BevoelkerungBundeslaender2060\\_Aktualisiert\\_5124207179004.pdf?\\_\\_blob=publicationFile](https://www.destatis.de/DE/Publikationen/Thematisch/Bevoelkerung/VorausberechnungBevoelkerung/BevoelkerungBundeslaender2060_Aktualisiert_5124207179004.pdf?__blob=publicationFile) [retrieved: 19/July/2018]

<sup>3,10</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>4,5,6</sup> National Institute of Statistics (2017) Herz-Kreislauf-Erkrankungen verursachen die höchsten Kosten, [https://www.destatis.de/DE/PresseService/Presse/Pressemitteilungen/2017/09/PD17\\_347\\_236.html](https://www.destatis.de/DE/PresseService/Presse/Pressemitteilungen/2017/09/PD17_347_236.html) [retrieved: 19/July/2018]

<sup>7</sup> Central Intelligence Agency (2017) The World Factbook, <https://www.cia.gov/library/publications/the-world-factbook/rankorder/2177rank.html> [retrieved: 19/July/2018]

<sup>8</sup> German Heart Foundation (2017) German Heart Report [retrieved: 19/July/2018]