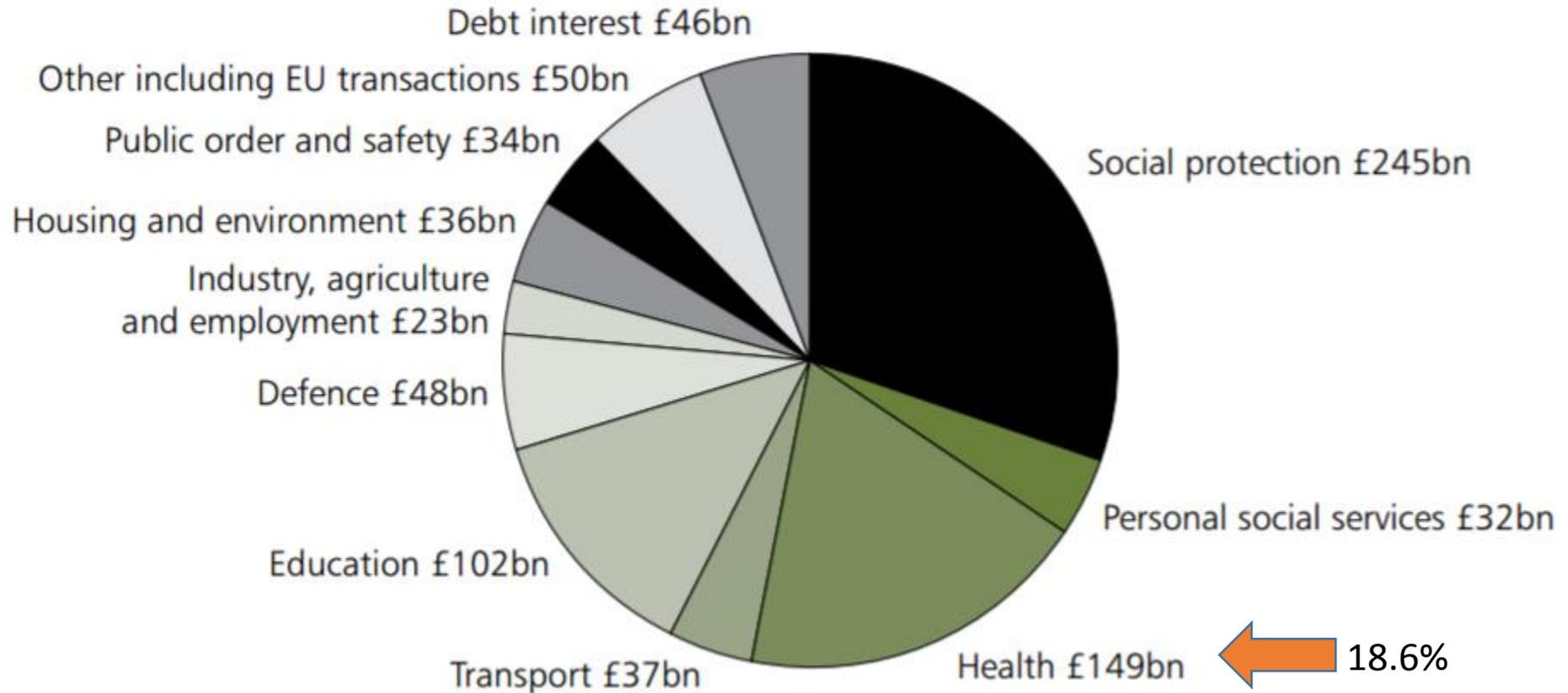


Budget, Brexit and Healthcare



Public Sector Spending 2017-18



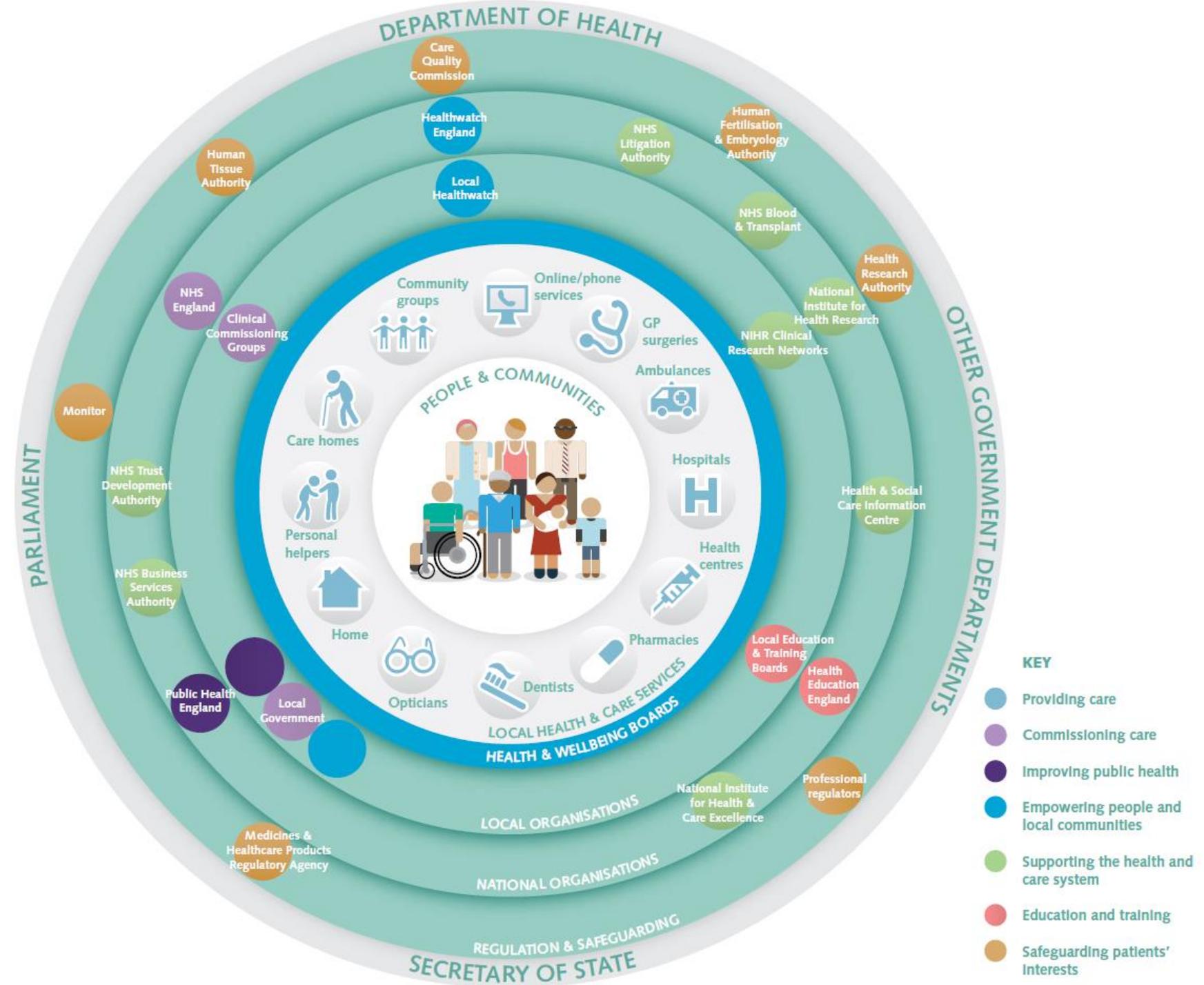
Sources: Office for Budget Responsibility 2017-18 estimates. Illustrative allocations to functions are based on HMT analysis including capital consumption figures from the Office for National Statistics. Figures may not sum due to rounding.

£425 million for the NHS in three years

- £325 million will be invested in a first set of the best local Sustainability and Transformation Plans (STPs) for improving patient services in local regions, developed collaboratively by NHS service leaders and their local partners.
- £100 million will go to A&E departments in 2017-18, to help them manage demand ahead of next winter, and help patients get to primary care faster. For example, it will provide more on-site GP facilities and more space in A&E units for assessment of patients when they arrive.



choices



- KEY**
- Providing care
 - Commissioning care
 - Improving public health
 - Empowering people and local communities
 - Supporting the health and care system
 - Education and training
 - Safeguarding patients' interests

£300 million for new academic research

- £90 million will provide 1,000 new PhD places, including in science, technology, engineering and maths.
- £210 million will create new fellowships, including programmes to attract top global talent to conduct research in areas such as **bioscience and biotechnology**, quantum technologies, and satellite and space technology.

£270 million to launch the Industrial Strategy Challenge Fund

- Initial funding will support research and innovation in universities and businesses, in areas like:
 - developing artificial intelligence and robotics that will work in extreme environments, like offshore energy, nuclear energy and space
 - designing and manufacturing better batteries for new electric vehicles that will help improve our air quality
 - improving medicine manufacturing technologies to **speed up patient access to drugs**

An Impact Thus Far...



Innovate UK
Technology Strategy Board

- Committed over £1.8 billion to innovation since 2007
- Matched by a similar amount in partner and business funding
- Helped more than 7,600 organisations
- Projects estimated to add more than £11.5 billion to the UK economy and create 55,000 extra new jobs.

2016 CATAPULT

- 5 years of the Catapult Programme
- 10 industry areas

Healthcare:

- Cell and gene therapy
- Precision medicine
- Medicines discovery (2016)



OPERATING
£850m
OF OPEN ACCESS
RESEARCH &
DEMONSTRATION
FACILITIES for the benefit
of UK industry and academia

DELIVERED
636
ACADEMIC
COLLABORATIONS



24 COUNTRIES
AROUND
THE WORLD

DELIVERED
2473
INDUSTRY COLLABORATIONS



SUPPORTED
2851
SMEs





THE FRANCIS CRICK INSTITUTE

Laboratory sites

University partners

Jobs and study

Media contacts

Research publications

Other publications

Seminars

Worldwide Influenza Centre

MRC Biomedical NMR Centre

HOME ABOUT US RESEARCH OUR BUILDING STRATEGY ENGAGE

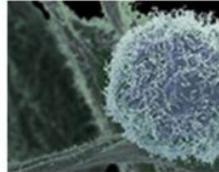


Paradigm



Strategy

The Crick is a new type of biomedical research institute. Our uncompromising commitment to



Research

The Crick aspires to be world's leading medical institutes. At the heart

The Queen opens the £650 million Francis Crick Institute



health lab

Powered by Nesta...

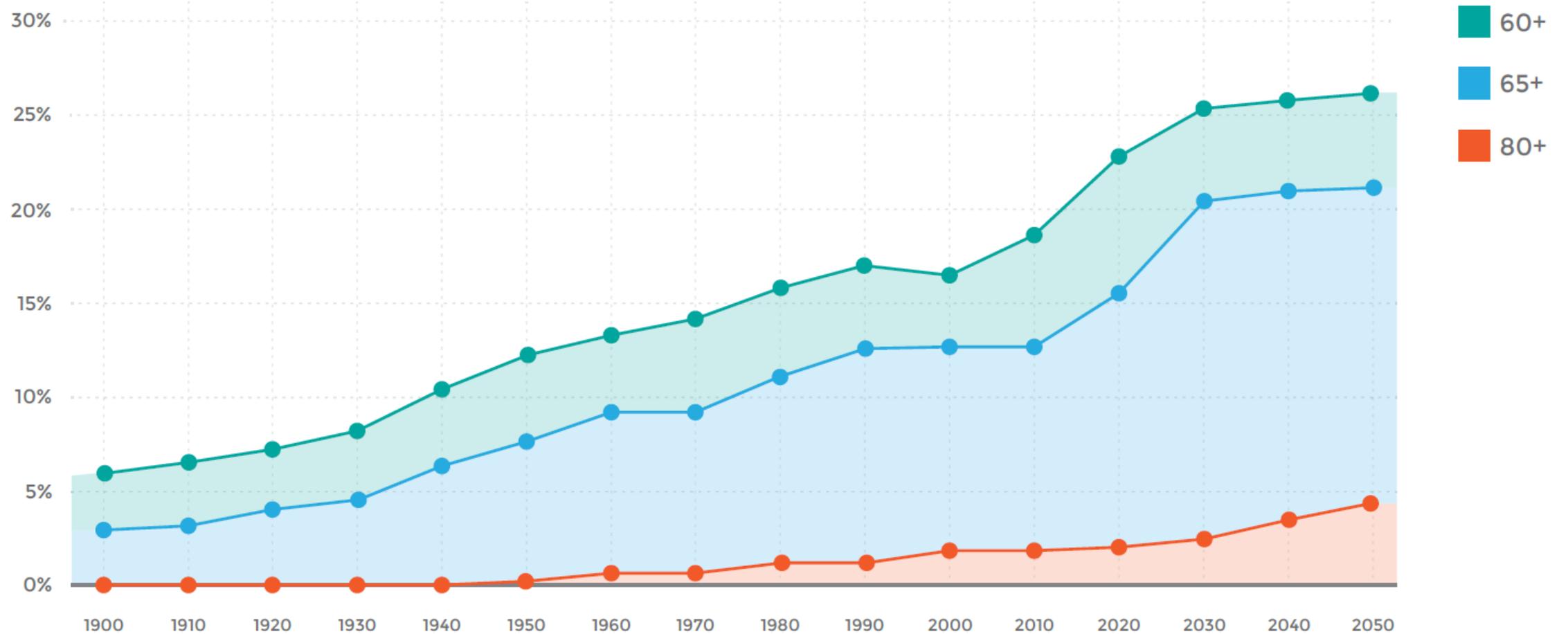




**CHALLENGES
AHEAD**

Ageing Population

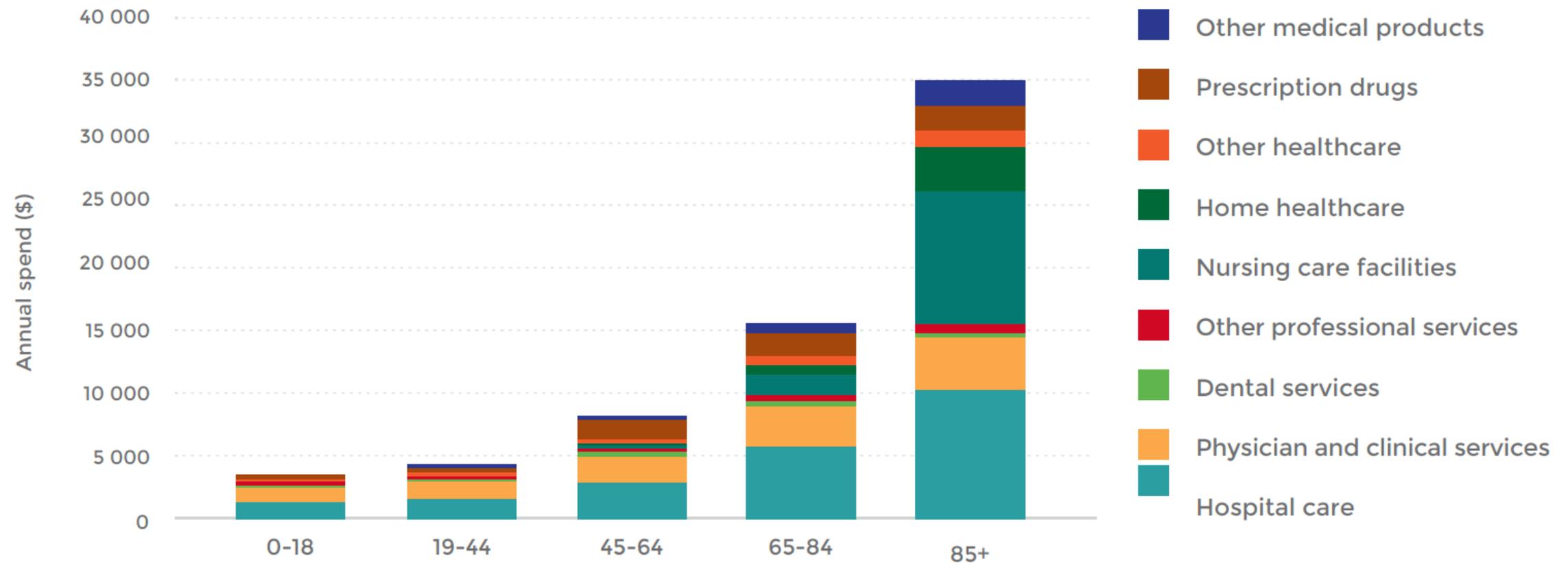
10% increase in over 60's population in last 50 years



Source: HealthXL Report 2016

Rise in LTCs* and Healthcare Expenditure

Total Personal Healthcare Spending Per Annum (\$) [Tweet this chart](#)

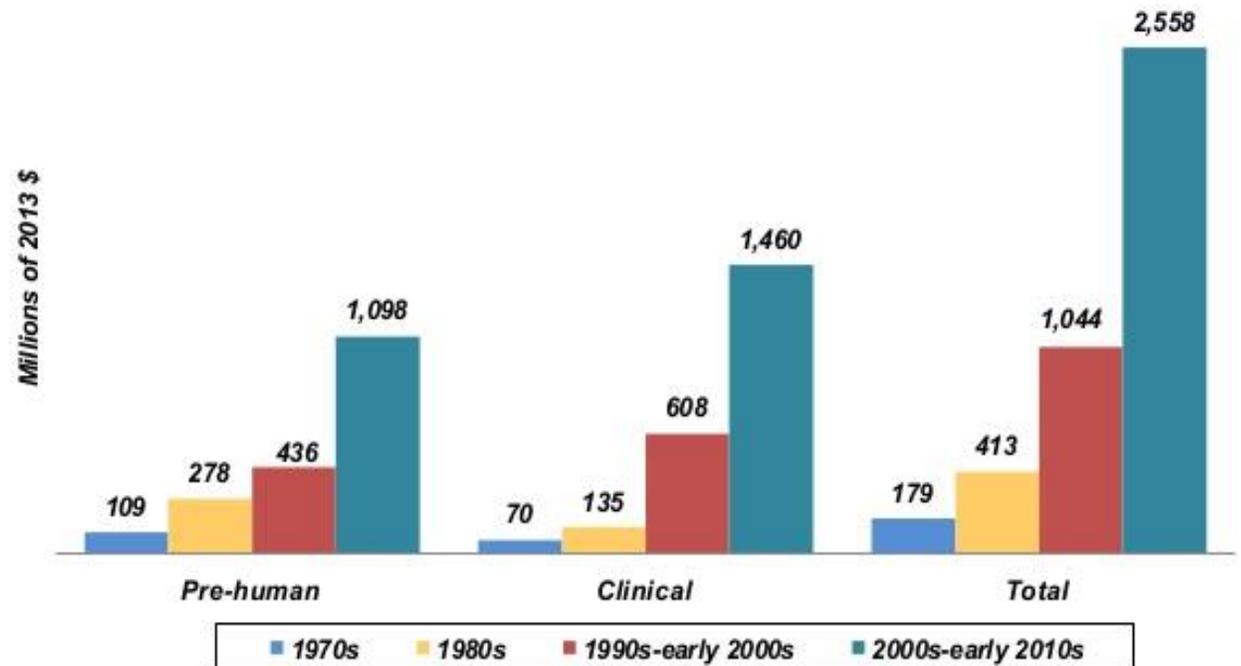


* Long-Term Conditions

Rising Drug Development Costs and Prices

- Highly regulated industry
- Avg. time to market: 15 years
- Cost: £1.5-2.5 billion
- Pricing and reimbursement policies: variable and inefficient

Capitalized R&D Costs Have Increased 145% Since Early 2000s



Source: Tufts CSDD, 2015 (based on CSDD cost study series publications, 1979-2015)

BREXIT

Staffing

Accessing
treatment
here and
abroad

Regulation

Cross-
border
cooperation

Funding
and
finance



Patient-Powered Healthcare



The Data Revolution



Next Generation Care



Medical Education