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| **One Health/Ageing Population (including Digital Health)** | |
| [**Local Industrial Strategy**](https://www.dorsetlep.co.uk/userfiles/files/LIS/Dorset%20Local%20Industrial%20Strategy%20-%20Draft%20.pdf) **(LIS)** | [**Dorset: Living Better investment prospectus**](https://investindorset.com/) |
| The Local Industrial Strategy for Dorset outlines ambitions that by 2030, the region will:   * Use a One Health approach as a basis to age well and live sensitively in the environment * Be the UK lead for One Health and the Aquaculture capital of the UK   The Dorset LIS responds directly to government priorities, e.g. UK Healthy Ageing Mission: For people to enjoy five more years of healthy, independent living by 2035 while narrowing the gap between the experience of the richest and the poorest (page 8).  **Dorset’s grand challenge – an ageing population/ healthy ageing** (page 9). Dorset has the oldest population and lowest proportion of under 50’s, anywhere in the UK:   * By 2025, almost 40% of the Dorset population could be over 60 (compared with under 25% in England). * By 2035 Dorset will face a potential vacancy replacement of half its current workforce – over 100,000 employees. * By 2040 it will have a dependency ratio of 1 (that’s one person working for every person of pensionable age).   The ageing challenge will have economic implications for Dorset sooner than other places. Dorset has the opportunity to test responses to ageing for better outcomes for people, and to harness this challenge into an economic strength.  Recognition that large-scale transformation is required to meet the grand challenge of healthy ageing.  Public and private organisations across Dorset, and beyond, are working together to understand the future demands of health and ageing, of meeting population shifts in an environment of global climate change.  A ‘One Health\*’ focus – central to Dorset as environment is important, as well as demands of population and global climate change  \*”One Health recognises that the health of humans, animals and ecosystems are interconnected. It involves applying a coordinated, collaborative, multidisciplinary and cross-sectoral approach to address potential or existing risks that originate at the animal-human-ecosystems interface” *(One Health Global Network, 2015*).  **One Health** (page 16)  Leading a combined approach to the healthy ageing and clean growth challenges through a ‘One Health’ approach to achieve the best, cross-generational health outcomes for humans, nature and the environment with organisations working together to revolutionise future living in Dorset:   * Positioning Dorset as the UK lead for One Health * Developing ‘accelerator centres’ for human, animal/nature and health innovation and testing: * Human Health Institute (Living Lab) * One Health Aquaculture Capital of the UK.   Dorset is the nucleus of a One Health Innovation Accelerator. Given the absolute significance of the ageing demographic in Dorset alongside the importance and scale of the natural environment and key assets such as Poole Harbour and Portland Port, the One Health cluster is a unique situation for Dorset to develop new economic opportunities on the basis of a particular supply of situation and assets.  One Health Innovation Accelerator - underpinned by clusters working together to tackle the linked issues of human healthy ageing/living and clean growth, encompassing animal health and the ‘health’ of our environment – addressing climate change, loss of biodiversity and the quality and sustainability of food production.  Education providers and research are specialising in the One Health spectrum.  Interconnectedness of aquaculture, clean growth, sustainability in farming and food production, link to healthier aging and One Health agenda. | The Dorset: Living Better investment prospectus identifies four key areas of investment opportunities in Dorset:   * Smart * Wellbeing * Natural * Living.   [Wellbeing](https://investindorset.com/wp-content/uploads/2021/03/Portfolio-%E2%80%93-WELLBEING.pdf)  Our WELLBEING portfolio unlocks healthy ageing as a catalyst for technological advancement, population health management and social wellbeing, into an economic and research strength.  COVID-19 has highlighted the importance of good health care.  Fundamental to the success of our recovery will be a flexible, agile, empowered and interconnected network of innovators, scientists and researchers.  Exciting future with investment and innovation across our Integrated Care System using ‘smart-health’ technology and our natural environment, alongside our growing Living Lab in the MedTech Science Park.  Over the next 10 years, an opportunity to build a Dorset health intelligence powerhouse. Dorset can be a global resource for countries around the world to learn about healthy ageing years before their own demographic bubble.  Dorset Integrated Care System is amongst the most advanced in the UK:   * 39% of total expenditure in Dorset is spent on social care (England average is 25%) * 30% of Dorset’s population will be over 65 by 2030 (England will be 23%).   **Empowered self-care** (page 4) – empowering people to manage their own care at home is shown to be better for health and wellbeing and can help people stay healthier for longer. Creating an innovative digital approach to health and wellbeing. Prioritising investments to expand the programme of empowered self-care, alongside ambitions for a Living laboratory and MedTech Park.  **Living Laboratory** (page 5) – bringing together medtech, biotech, life science and digital partners with the NHS, local authorities, Bournemouth University and University Hospitals Dorset - to deliver innovation for improved health and wellbeing for our communities.  It will attract cutting edge research companies to Dorset. It will drive research, development and innovation, and provide space for product trials, market testing and evaluation.  It will allow collaborations with clinical and non-clinical partners. Build on centres of excellence, like Dorset Intelligence and Insight Service (DiiS). DiiS has developed some of the most advanced Population Health Management intelligence in the UK and allows us to drive data-led planning, design and delivery of services within primary care and the wider care system using a holistic, integrated and whole system approach.  Living Lab located will be located at the MedTech Science Park in Wessex Fields, Bournemouth.  **MedTech Science Park** (page 6/7): an environment to nurture industry leading innovation research. Located at Wessex Fields – close to University Hospitals Dorset, and Bournemouth University. Collaborations have already resulted in establishment of the Institute of Medical Imaging and Visualisation and the Orthopaedic Research Institute at Bournemouth University, which is now developing a new Clinical Trials Unit.  Carbon neutral scheme, promoting healthy use of green space.  MedTech Science Park will be home to Living Lab, incubation facilities, grow-on space, and 500 key worker homes. |