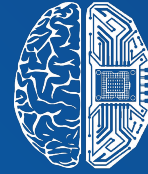




AGING
ANALYTICS
AGENCY



DEEP
KNOWLEDGE
GROUP

Longevity Governance Industry Framework

Teaser

www.aginganalytics.com

www.frameworks.technology

www.dkv.global

Longevity Governance Industry Framework

Governmental

Policy Makers

National Initiatives

Research Institutes

Healthcare Systems

Non-departmental Organisations

Products and Services

Intergovernmental Organisations

Pension Funds

Non-Governmental

Universities and Academia

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Governmental

The Governmental segment of the Longevity Governance Industry Framework is focused on providing services and solutions that promote the health and well-being of citizens as they age. As the global population continues to age, the need for effective and sustainable policies and programs that support healthy aging has become increasingly urgent. This segment encompasses a diverse range of initiatives and programs, including healthcare policies, research funding, and regulatory frameworks. Some key features and benefits of the Governmental segment include:

- Healthcare policies that support the development and delivery of healthcare services for aging populations, including policies related to Medicare and Medicaid, long-term care, and senior living.
- Research funding for studies that focus on the biological, social, and environmental factors that contribute to healthy aging. This includes funding for clinical trials, basic research, and translational studies that aim to develop new therapies and treatments for age-related diseases.
- Regulatory frameworks that ensure the safety and efficacy of therapies and treatments for age-related diseases, as well as guidelines for the use of medical technologies that support healthy aging.
- Collaboration with academic institutions, private sector organizations, and other government agencies to develop new services and solutions that support healthy aging.
- Public education campaigns and outreach initiatives that raise awareness about healthy aging and the importance of preventive care.

Overall, the Governmental segment plays a critical role in promoting the health and well-being of aging populations. By providing policies, funding, regulatory frameworks, and collaboration opportunities, this segment helps to ensure that citizens can age with dignity and independence while maintaining their quality of life. In order to address the challenges of aging populations, it is crucial for governments and other stakeholders to prioritize investment in the Governmental segment of the Longevity Governance Industry Framework.

Governmental

Policy Makers

As a part of the Governmental segment of the Global Longevity Governance Industry, Policy Makers play a critical role in shaping the regulatory and policy environment for longevity-related research, development, and innovation. Here are some key features and benefits of Policy Makers in this industry:

- Development of policies and regulations that support the growth and development of longevity-related research and innovation, including funding programs and tax incentives for companies and organizations working in this space.
- Collaboration with other government agencies, industry stakeholders, and researchers to develop evidence-based policies and regulations that balance innovation with safety and ethical considerations.
- Oversight of research and development activities to ensure that they are conducted in an ethical and responsible manner, with appropriate consideration for the potential risks and benefits of new technologies and interventions.
- Promotion of public awareness and understanding of longevity-related research and innovation, including education and outreach programs to inform the public about the potential benefits and risks of new technologies and interventions.

National Initiatives

National Initiatives are a critical part of the Governmental segment of the Global Longevity Governance Industry, as they play a key role in developing and implementing policies and programs that promote healthy aging and support the development of effective and sustainable longevity solutions. Some key features and benefits of National Initiatives in this segment include:

- Development and implementation of national strategies and action plans to promote healthy aging and longevity.
- Funding for research and development of innovative longevity solutions.
- Support for the development and implementation of healthcare systems and services that meet the unique needs of aging populations.
- Promotion of collaboration between industry stakeholders, researchers, and government agencies to drive innovation and economic growth in the longevity field.
- Implementation of policies and programs that promote equity and access to longevity solutions for all citizens.
- Development of comprehensive policies and programs that address the social, economic, and environmental factors that affect healthy aging.

Governmental

Research Institutes

The Research Institutes subsegment of the Governmental segment of the Global Longevity Governance Industry is focused on conducting research and development activities related to aging, longevity, and related fields. These institutes collaborate with government agencies, academic institutions, and private companies to advance scientific knowledge and develop innovative solutions for aging populations. Here are some of the key features and benefits of Research Institutes in this subsector:

- Basic and applied research on aging, longevity, and related fields, including the development of new therapies and interventions to promote healthy aging.
- Collaboration with other organizations, such as government agencies and private companies, to advance scientific knowledge and develop innovative solutions for aging populations.
- Funding for academic research and education programs to train the next generation of researchers in aging-related fields.
- Partnership with industry to translate scientific discoveries into commercial products and services that improve the quality of life of older adults.
- Development of international research networks to promote collaboration and knowledge sharing across borders and disciplines.

Healthcare Systems

The Healthcare Systems subsector of the Governmental segment of the Global Longevity Governance Industry focuses on providing healthcare services and support to promote healthy aging and prevent age-related diseases. These systems encompass a wide range of services, from preventative care to treatment and rehabilitation, and are essential in ensuring the wellbeing and quality of life of older adults. Here are some of the key features and benefits of the Healthcare Systems subsector:

- Preventative care services, including health screenings, vaccinations, and lifestyle counseling, to promote healthy aging and prevent age-related diseases.
- Treatment and management of chronic conditions that are more common in older adults, such as diabetes, cardiovascular disease, and osteoporosis.
- Rehabilitation services to support recovery from illness, injury, or surgery, and to promote functional independence and mobility.
- Palliative care and end-of-life care services to provide comfort and support for older adults and their families during the final stages of life.
- Collaboration with research institutions and other organizations to develop and implement evidence-based practices and interventions to improve the health and wellbeing of older adults.

Legal

The Legal segment of the Longevity Governance Industry Framework is focused on providing legal services and solutions that promote the health and well-being of citizens as they age. This segment plays a critical role in developing and implementing policies and regulations that support healthy aging and ensure the protection of older adults' rights. Here are some key features and benefits of the Legal segment:

- Development and implementation of policies and regulations that promote healthy aging and ensure the protection of older adults' rights. This includes policies related to age discrimination, elder abuse, and financial exploitation of seniors.
- Legal support for individuals and organizations involved in the development of products and services related to healthy aging. This includes support for the development of legal agreements, contracts, and intellectual property rights related to aging products and services.
- Legal advocacy for seniors' rights and access to healthcare services, including legal representation for seniors who face healthcare access challenges or other legal issues related to aging.
- Collaboration with government agencies, academic institutions, and private sector organizations to develop and implement legal frameworks that support healthy aging.
- Public education campaigns and outreach initiatives that raise awareness about legal issues related to healthy aging and the importance of protecting seniors' rights.

Overall, the Legal segment plays a crucial role in ensuring that policies and regulations support healthy aging and that older adults' rights are protected. By providing legal support and advocacy for seniors, this segment helps to ensure that aging populations can maintain their dignity and independence while accessing the resources and services they need. Investment in the Legal segment of the Longevity Governance Industry Framework is essential to address the legal challenges of aging populations effectively.

Legal

Policies

The Policies subsegment of the Legal segment of the Global Longevity Governance Industry is focused on the development and implementation of policies that support healthy aging, longevity, and the well-being of older adults. These policies are typically developed and implemented by national and local governments, but they can also be developed by intergovernmental organizations and other stakeholders. Here are some of the key features and benefits of policies in this subsegment:

- Development of policies and frameworks at the national and local levels that promote healthy aging and longevity, including policies related to healthcare, social services, and workforce development.
- Collaboration with other stakeholders, including intergovernmental organizations and non-governmental organizations, to develop and implement policies related to aging and longevity.
- Promotion of research and development in the field of aging and longevity, including the dissemination of best practices and evidence-based interventions.
- Advocacy and promotion of the rights and well-being of older adults, including the prevention of age discrimination and the promotion of social inclusion and participation.

National Master Plans

The National Master Plans subsegment of the Legal segment of the Global Longevity Governance Industry is focused on developing comprehensive plans and policies at the national level to address the challenges of aging and promote healthy longevity. These plans and policies are designed to provide a coordinated and strategic approach to addressing the needs of older adults, with a focus on ensuring access to high-quality care and services. Here are some of the key features and benefits of National Master Plans in this subsegment:

- Development of national policies and frameworks that promote healthy aging and longevity.
- Coordination of efforts among different sectors and stakeholders to address the needs of older adults.
- Identification of key areas of focus, such as healthcare, social support, and housing, to ensure that comprehensive services are provided.
- Provision of guidance and resources to local governments, healthcare providers, and other stakeholders to implement policies and programs related to aging and longevity.
- Promotion of research and development in the field of aging and longevity to support evidence-based interventions.

Legal

Municipal Government Plans

The Municipal Government Plans subsegment of the Legal segment in the Global Longevity Governance Industry is focused on creating policies and regulations at the local level that support healthy aging, longevity, and the well-being of older adults. These plans are developed by municipalities and local government bodies and are designed to address the specific needs of their aging populations. Here are some of the key features and benefits of Municipal Government Plans in the Legal segment:

- Development of policies and regulations that are tailored to the specific needs and characteristics of local aging populations.
- Collaboration with local stakeholders, including healthcare providers, community organizations, and older adults themselves, to identify and address the unique challenges facing their communities.
- Provision of resources and funding to support the implementation of policies and programs related to aging and longevity.
- Creation of age-friendly communities that promote social inclusion and participation, encourage physical activity and healthy behaviors, and provide access to appropriate services and resources.
- Advocacy and promotion of the rights and well-being of older adults, including the prevention of age discrimination and the promotion of social justice and equity.

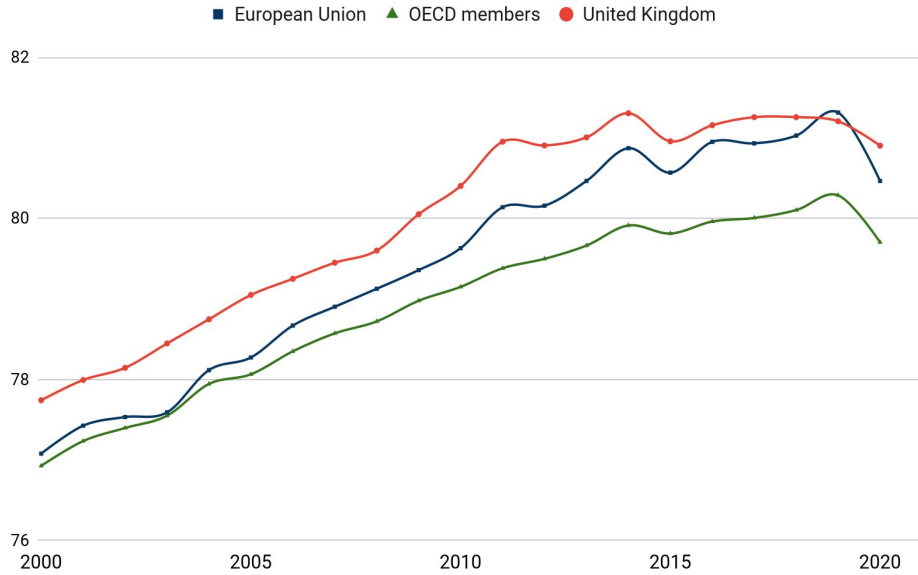
Industrial Strategies

The Industrial Strategies subsegment of the Legal segment of the Global Longevity Governance Industry focuses on developing and implementing strategies that promote and support healthy aging, longevity, and the well-being of older adults. This subsegment is comprised of industries that are involved in the production, distribution, and commercialization of products and services that target aging populations. Here are some of the key features and benefits of organizations in this subsegment:

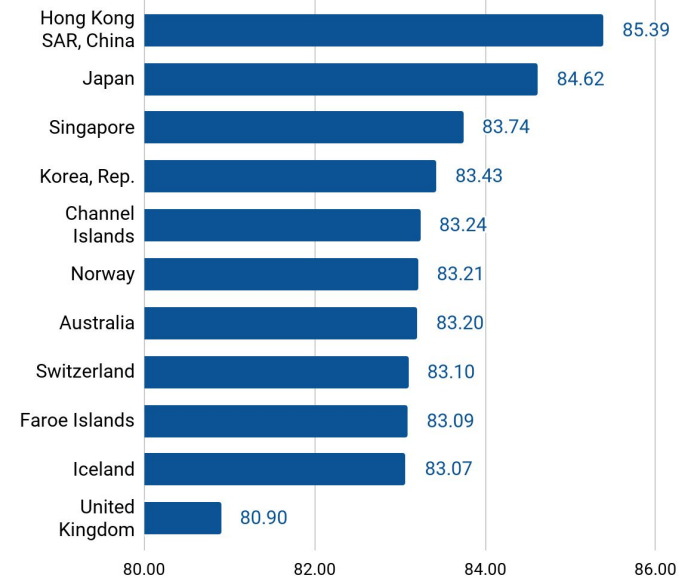
- Development of strategies and policies that encourage the development and commercialization of products and services that promote healthy aging and longevity.
- Promotion of research and development in the field of aging and longevity, including the development of new products and services, as well as the integration of technology and innovation.
- Provision of technical assistance and capacity building to companies and organizations to support the development and commercialization of products and services that target aging populations.
- Creation of partnerships and collaborations with other stakeholders, including governments, academic institutions, and non-governmental organizations, to promote healthy aging and longevity.

Macro Trends on Life Expectancy

Life Expectancy Dynamics, 2000-2020



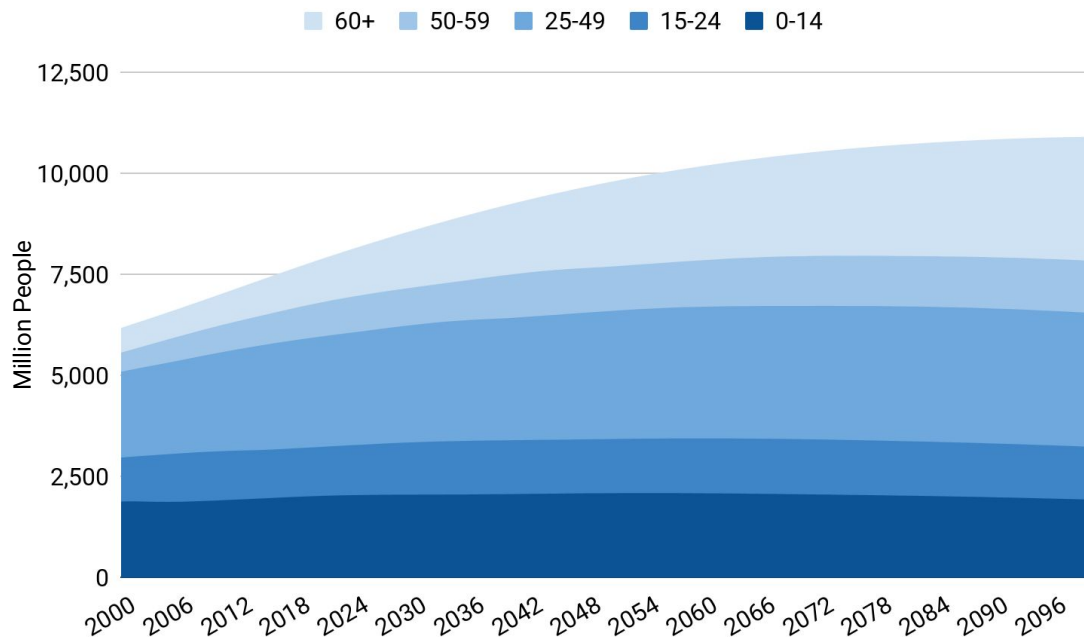
Life Expectancy Ranking, 2020



The average Life Expectancy at birth in the UK is 80.9 years, which is greater than average among OECD countries and members of the EU. However, the UK has been only the 33rd country in the world by this parameter. For the last 20 years, Life Expectancy in the UK has increased by 3.2 years. To compare, LE in the OECD countries has grown for 2.7 years and LE in the EU countries - for 3.4.

Macro Trends on Aging Population

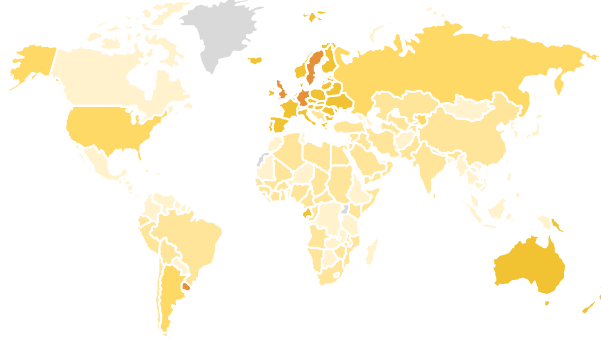
World Population by Age, 2000-2100, Million People



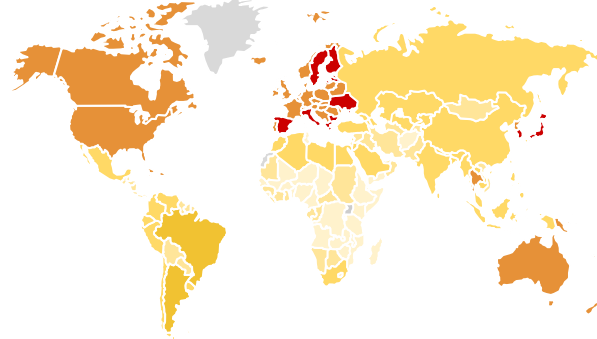
According to the UNISTAD population growth projection, the increase in the world population in the next 25-30 years will be primarily **due to a gradual increase of young, working-age population (25-49) and rapid growth of seniors (60+)**. By 2050, approximately every 3rd of 10 will be 50+ y.o. (share of 50+ population will be 32% of the population), while youth and middle-aged together will constitute around 46%. By 2100, shares will almost align: 40% of 50+ aged and 42% of 15-49 y.o. population.

While some countries experience a mild increase in life expectancy together with decreasing birth rate and as a result of growth of the working-age population, other countries will face the problem of the ageing population. However, **by the end of the 21st century, 60+ aged people will be almost a third (28%) of the world population.**

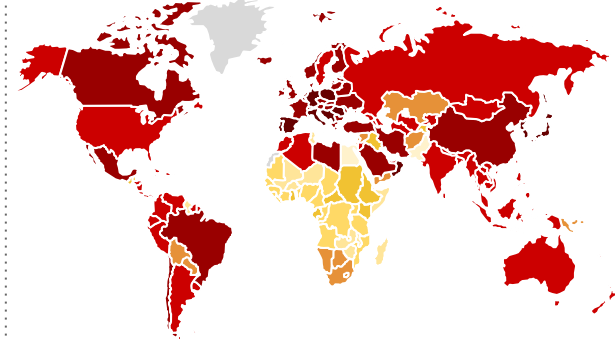
True Costs of Ageing



1950

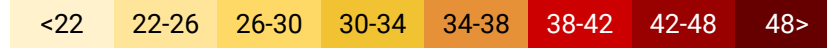


2010



2060

Average Age



Gradually, the process of ageing will happen in all parts of the world.

Europe and Central Asia is a harbinger of things to come globally

While Europe and Japan are old at the moment, compared to the rest of the world, they are just ahead of the rest. Other countries are expected to age even faster during coming decades than European countries in previous years.

In 2020, 3.4 working-age people supported the retirement of every person 65+

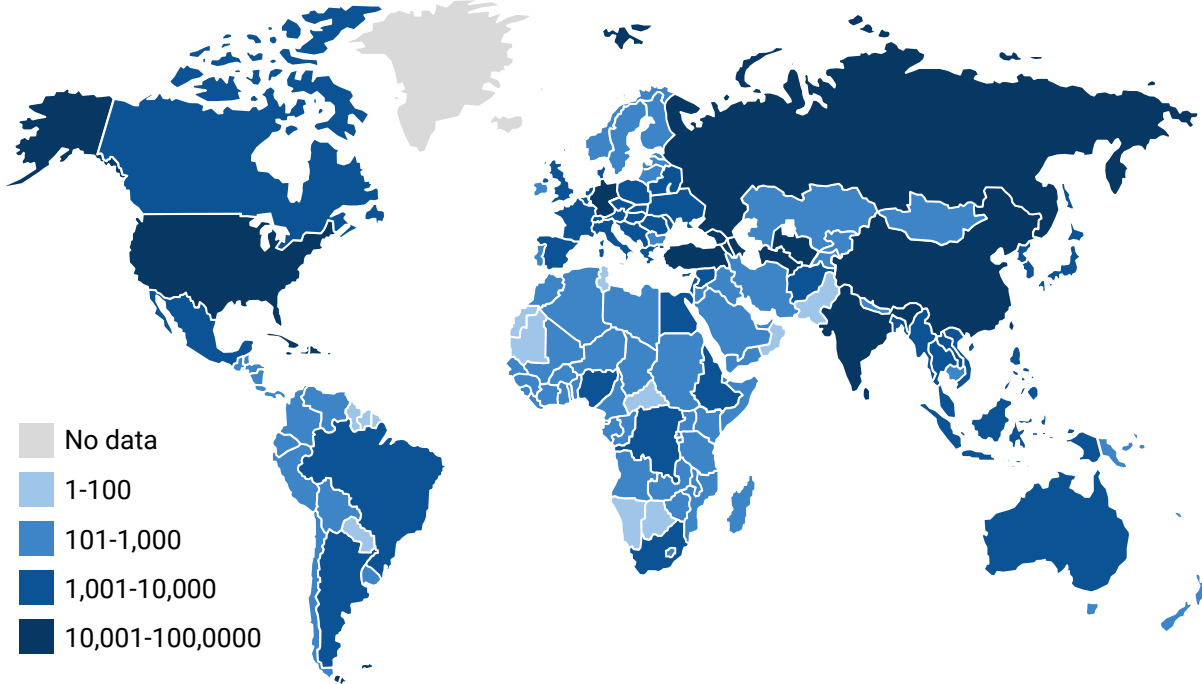
By 2025, 2 working-age people are expected to support for every older person 65+

To mitigate the adverse impacts of ageing, it is key to **improve the sustainability of the pension system and the efficiency of public spending**, promote healthy ageing, extend working lives, and boost labour market participation.

Elder Adult Health Affected by Climate Change

Understanding the changing climate and its impact on public health, especially that of older adults, becomes more important than ever. Older adults are identified as a vulnerable population category, experiencing excess morbidity and mortality associated with extreme weather, such as alarming heatwaves, widespread wildfires and violent hurricanes.

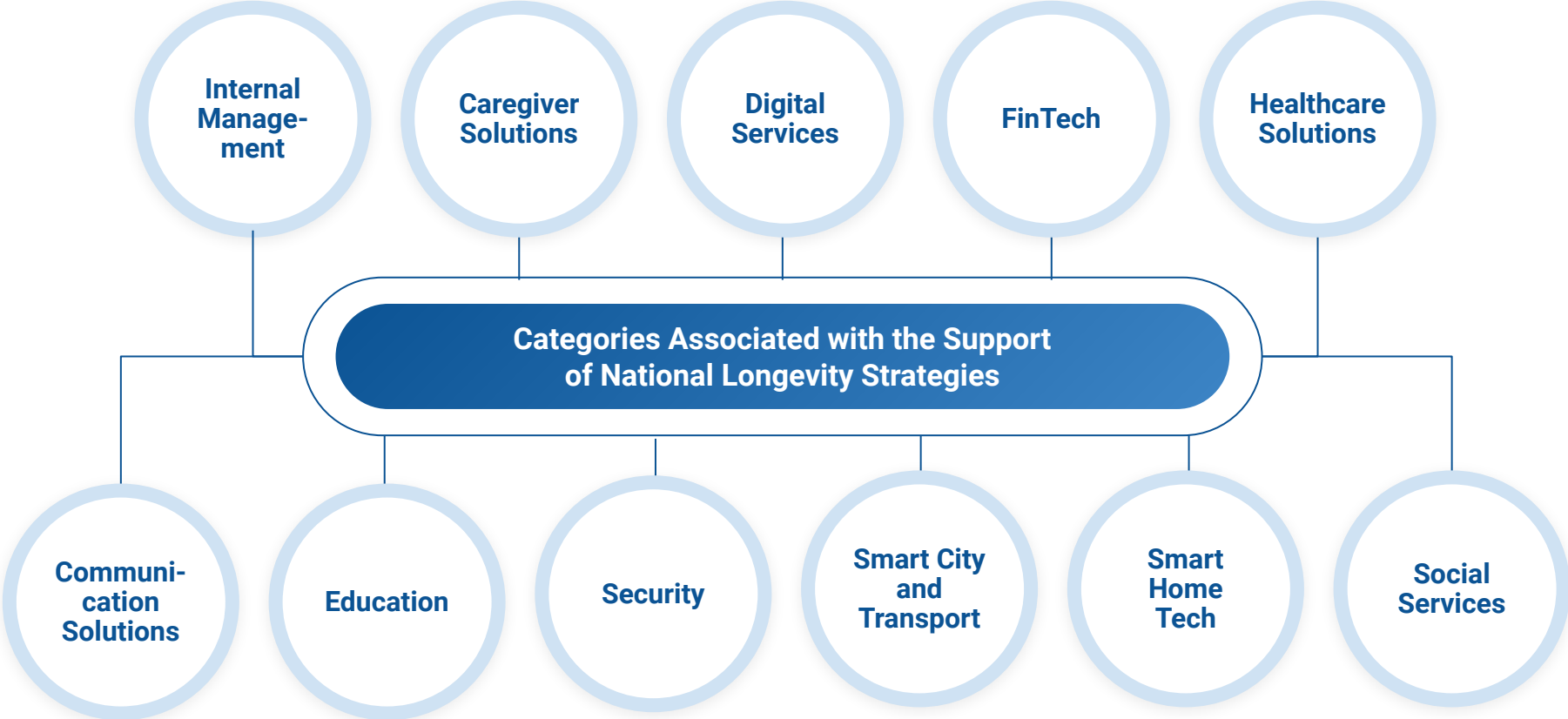
Annual heat-related mortality in the population 65+ (2014 to 2018), number of deaths.



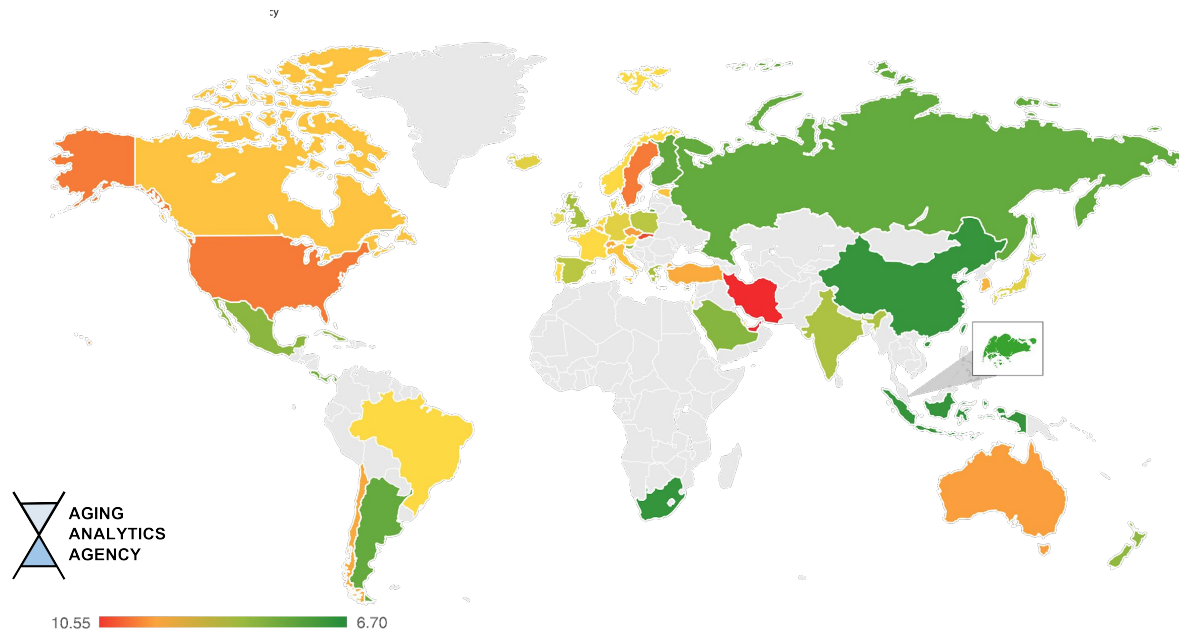
Policymakers should adopt policies that will reduce carbon emissions and, thus, will improve public health and productivity:

- environment-friendly technologies and resources, such as renewable energy, should be used in the production process;
- healthcare expenditure on a national budget should be increased;
- clean drinking water and basic sanitation facilities must be ensured for all people.

GovTech as a Driver of Longevity Industry Development Strategies



Size of Gap Between Healthy Longevity and Life Expectancy



Health-Adjusted Life Expectancy (HALE), used here as a measure of Healthy Longevity, is the average number of years an individual can expect to live free of chronic age-related disease.

Life expectancy (LE) at birth reflects the overall mortality level of a population. It summarizes the mortality pattern that prevails across all age groups in a given year – children and adolescents, adults and the elderly.

Deep Knowledge Group

