

# Aging Analytics Agency

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## *Longevity Policy & Governance Activities*

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- *Longevity Policy & Governance Big Data Analytical Dashboard*
  - *Supporting Partner of UK All-Party Parliamentary Group for Longevity, Founding Partner of APPG for Longevity Secretariat, Official Member of United Nations NGO Committee on Ageing*
  - *Region-Specific (National & Municipal) Longevity Policy SWOT Analysis, Practical Recommendations & Development Plans*
  - *Policy Proposals to WHO, WEF, UN, and Others*
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## Longevity-Focused Analytical Subsidiary of Deep Knowledge Group

Deep Knowledge Group is a consortium of commercial and nonprofit organizations active on many fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more.

## Strategic Partners of Aging Analytics Agency



appg

longevity

Supporting Partner for the UK All-Party Parliamentary Group for Longevity and a Source of Data and Analytics for the APPG Secretariat



Official Member  
Organization of the  
United Nations NGO  
Committee on Ageing



Media Partner for  
Metabesity Conference  
in Washington D.C.



LONGEVITY  
CAPITAL

Main Source of Market  
Intelligence and Industry  
Analytics for the  
Longevity.Capital



Supporting Partner of the  
Annual International  
Longevity Policy &  
Governance Summit

**Aging Analytics Agency  
Longevity Policy & Governance Activities  
(General Overview)**

# "National Longevity Development Plans" Case Study Presented in UK Parliament

## NATIONAL LONGEVITY DEVELOPMENT PLANS: GLOBAL OVERVIEW 2019 (First Edition)



Aging Analytics Agency's response to the World Health Organization's Draft Zero proposal for the Decade of Healthy Aging

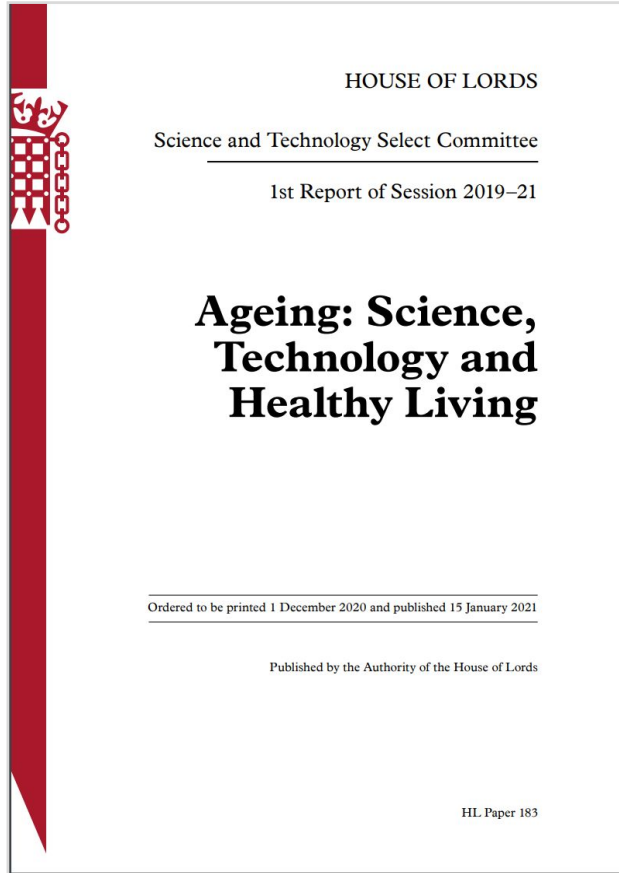


Written Evidence on Behalf of Aging Analytics Agency to House of Lords Science and Technology Committee's "Aging: Science, Technology and Healthy Living" Inquiry

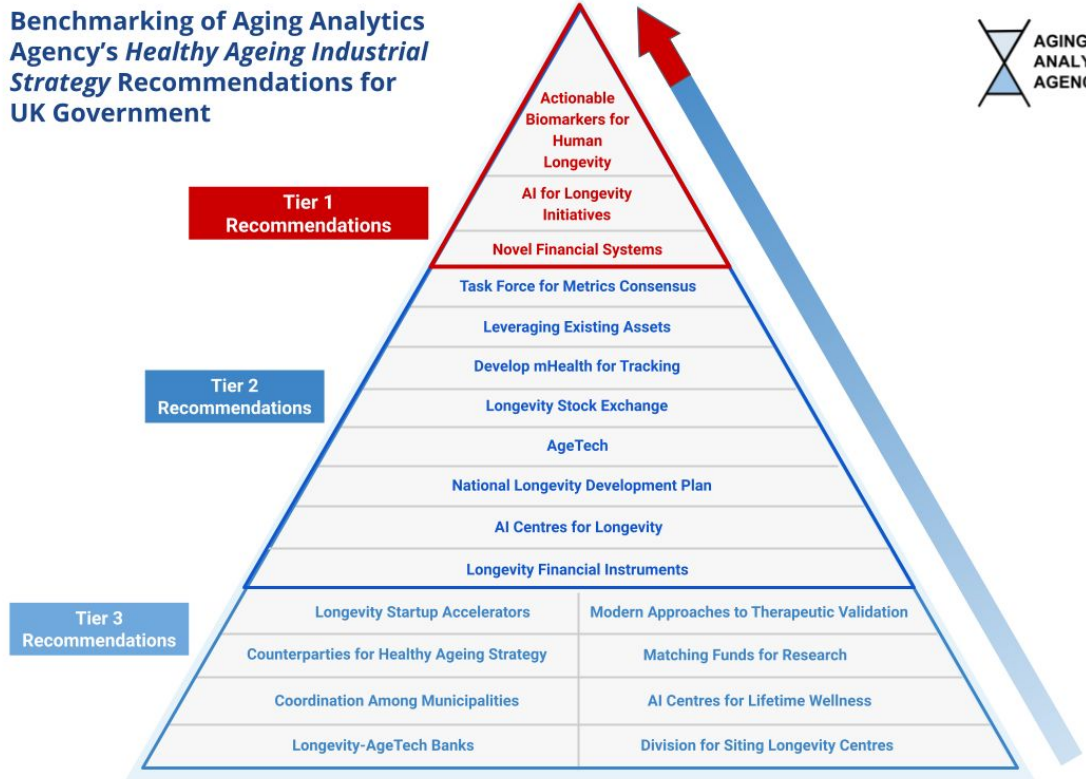


Proposal to the All-Party Parliamentary Group for Longevity in Response to the "National Strategy for Five More Years of Healthy Life Expectancy While Closing the Social Gap by 2035: Call for evidence and solutions" by Aging Analytics Agency





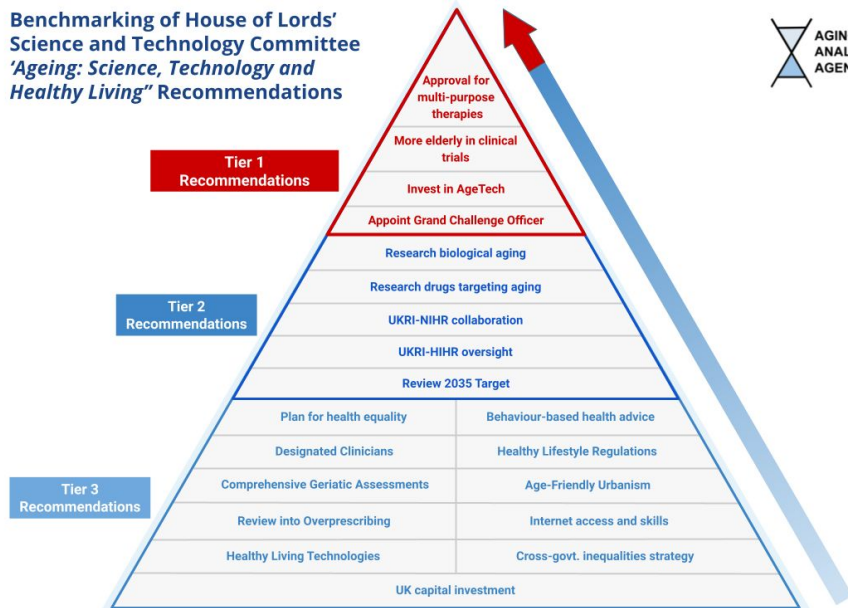
## Benchmarking of Aging Analytics Agency's Healthy Ageing Industrial Strategy Recommendations for UK Government



# House of Lords vs. Aging Analytics Agency Recommendations

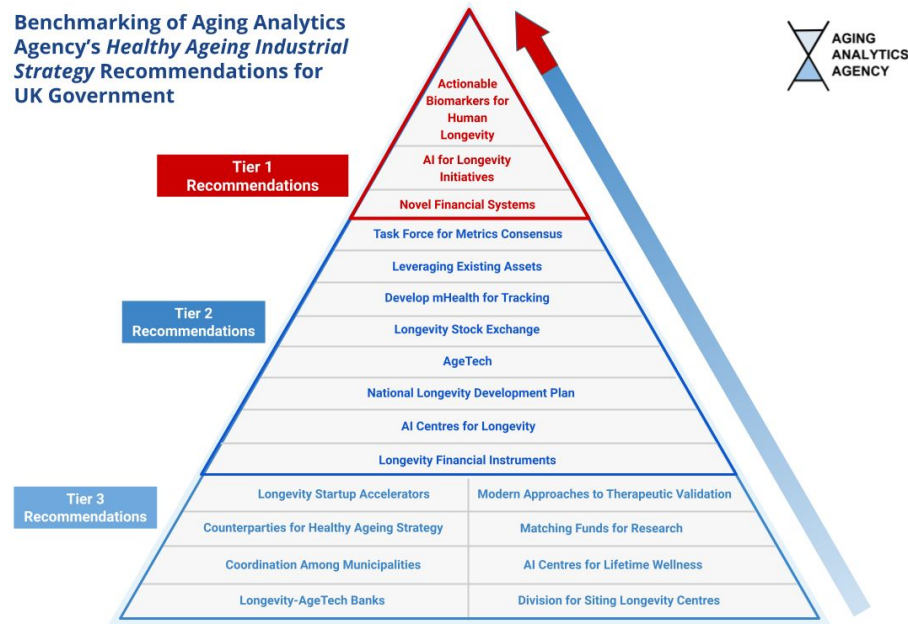
## House of Lords Recommendations

Benchmarking of House of Lords' Science and Technology Committee 'Ageing: Science, Technology and Healthy Living' Recommendations



## Aging Analytics Agency Recommendations

Benchmarking of Aging Analytics Agency's *Healthy Ageing Industrial Strategy* Recommendations for UK Government



## Specialist agency will profile Greater Manchester's healthy ageing assets



Dmitry Kaminskiy

Business news  
March 03 2021  
Neil Hodgson



Write a comment



Greater Manchester is seeking to exploit the growing 'grey economy'.

Highlighted as one of the UK's four grand challenges in the Government's Industrial Strategy, ageing populations across the world are driving demand for new technologies, products and services and the region is in a prime position to take advantage of this global change.

Already recognised as the UK's first age-friendly region by the World Health Organisation, MIDAS – Greater Manchester's inward investment agency – has appointed a specialist company to characterise the region's strengths to support a rapidly growing longevity industry.



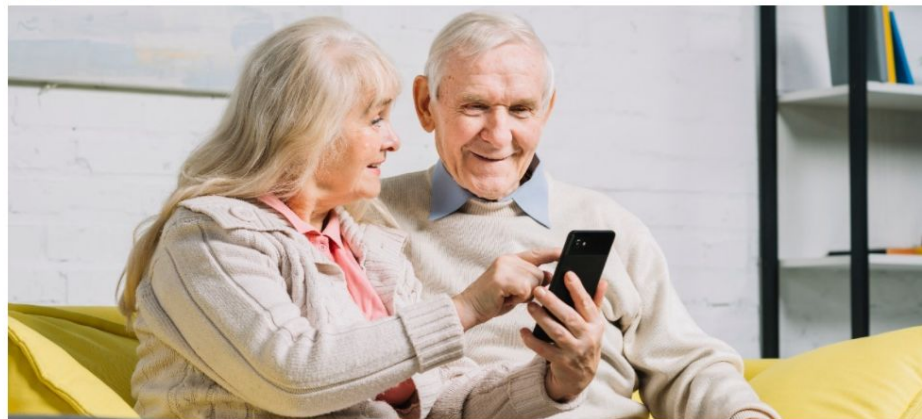
Browse Sector ▼

Browse Date ▼

## MIDAS appoints specialist agency to profile Greater Manchester's healthy ageing assets

3 March 2021

Category: Life Science and Healthcare



### Related sectors

Life Science and Healthcare

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# THE 2ND INTERNATIONAL LONGEVITY POLICY AND GOVERNANCE SUMMIT



**Dmitry Kaminskiy on COVID-19 Analytics & Longevity Governance Dashboards  
at the APPG for Longevity Secretariat's 2nd Annual Summit**

**11th November  
London, UK**



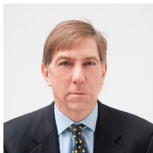









# Aging Analytics Agency - International Longevity Policy & Governance Summit



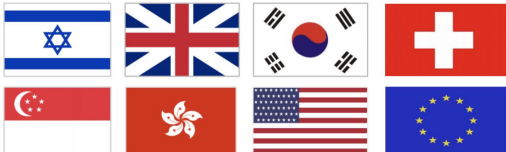
**International Longevity Policy and Governance Summit**  
November 12th 2019, 09:00 - 13:45  
King's College, London, UK

Aging Analytics Agency was also a strategic and supporting partner of the inaugural **International Longevity Policy and Governance Summit**, organized by **Longevity International UK at King's College, London on November 12th 2-19** (where several Aging Analytics Agency executives delivered presentations and chaired panel discussions) in an effort to support and promote a greater degree of international synergy and cooperation on the expanding frontier of Longevity Policy and Governance. The summit focused on the international response to harnessing the opportunities of an ageing demographic, and was attended by a number of high-profile representatives and government officials of healthcare departments from Longevity-progressive countries.

 Tino Woods Longevity International UK	 Dmitry Kaminsky Aging Analytics Agency	 Eric Kihlstrom Longevity International UK	 Rt Hon Damian Green MP All-Party Parliamentary Group for Longevity	 Lord Geoff Filkin CBE All-Party Parliamentary Group for Longevity
 Dr Charles Alessi HIMSS	 Julia Randell-Khan Center on Longevity, Stanford University	 Professor, Kenji Shubuya Institute for Population Health, Kings College London.	 Mike Hodin Global Coalition on Aging (TBD)	 Sergey Young Longevity Vision Fund

**Cross-Border Collaboration**

Establishing Mutually-Beneficial Dialogue, Exchange, Cooperation and Policy Formulation with Longevity Progressive Nations	Learning from Past Mistakes in Policy, Implementing the Best Examples of Development Initiatives Overseas, and Synergetic Coordination
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**“Living Longer, Healthier and Productively for Global Prosperity”**

Building Cross-Country and Cross-Sector Bridges for Longevity Politics and Governance Initiatives

**INVITATION FOR**

- Government Representatives
- Foreign Ambassadors
- Policy Experts
- Healthcare & Financial Executives
- NGOs, NonProfits, Think-Tanks



## Supporting Partners

Longevity International Policy and Governance Summit is supported by:



Longevity International UK is the Secretariat for the All-Party Parliamentary Group for Longevity.



# Dmitry Kaminskiy International Longevity Policy Activities

Dmitry Kaminskiy is actively involved in the work of the initiative group and was instrumental at the initial stage of the launch of the **All-Party Parliamentary Group for Longevity in the UK Parliament**. He now serves as **Co-Director** of the **APPG Secretariat**, overseeing the APPG's **international Longevity cooperation development division**.



Official Launch All-Party Parliamentary Group for Longevity  
House of Lords, London, UK



All Party Parliamentary Group for Longevity Inaugural Meeting  
House of Lords, London, UK

# Dmitry Kaminskiy Longevity International Policy Activities

Dmitry Kaminskiy on behalf of Aging Analytics Agency, has presented its findings on International Longevity Policy, and its Big Data special analytical case studies on National Longevity Development Plans, at several the UK All-Party Parliamentary Group for Longevity board and evidence meetings, providing quantitative data and practical recommendations used in part for the formulation of the APPG's "Health of the Nation" Report, which provided a set of key recommendations to the UK government to help them achieve the goal set out by former UK Prime Minister Theresa May (and carried forward by current UK Prime Minister Boris Johnson) to add 5 extra years of healthy lifespan to the UK population by the year 2035.



All-Party Parliamentary Group for Longevity Strategic Advisory Board Meeting - House of Lords, London, UK



Longevity Policy & Governance Report Presented at Inaugural All-Party Parliamentary Group for Longevity

# National Longevity Development Plans 2019 - Special Case Study

Aging Analytics Agency's first major Longevity Policy & Governance project was its 2019 case study, **National Longevity Development Plans Global Landscape Overview 2019**. Because Aging Analytics Agency is the main source of Longevity industry data and analytics for the UK **All-Party Parliamentary Group for Longevity**, representatives of the agency presented some of the special case study's major conclusions at an All-Party Parliamentary Group for Longevity **Strategic Advisory Board** meeting in **UK Parliament** on April 30th, arguing that the UK Government needs to extend existing efforts and create a framework to change the **deficit model** of the 'Ageing Society' to an **asset model** around 'Longevity' and be bold with a national strategy to harness the 'Longevity Dividend' to benefit all people in society.



# “National Longevity Development Plans” Case Study Presented in UK Parliament

On May 7, 2019, Aging Analytics Agency Founder Dmitry Kaminskiy also delivered a presentation highlighting major conclusions from Aging Analytics Agency’s “National Longevity Development Plans Global Overview” report at UK Parliament, as part of the official Launch Event for the All-Party Parliamentary Group for Longevity.

Aging Analytics Agency serves as the primary source of analytics and data for the APPG for Longevity.

Pictured left is the current UK Secretary of Healthy and Social Care, Matt Hancock, delivering a speech against the backdrop of the front cover of Aging Analytics Agency’s special analytical case study.



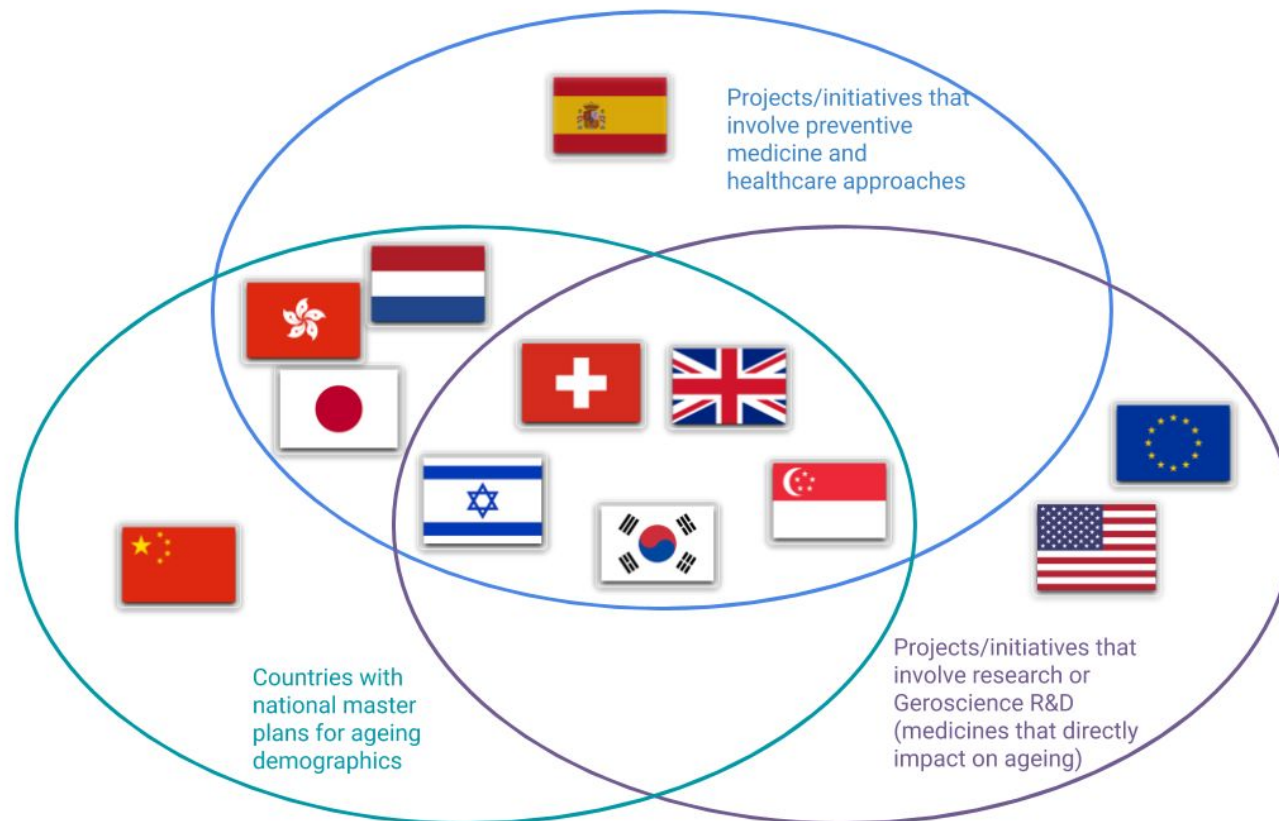
UK Secretary of Health & Social Care at the APPG for Longevity Launch



## Launch of the UK All-Party Parliamentary Group (APPG) for Longevity, House of Commons

Aging Analytics Agency Co-Founder Dmitry Kaminskiy and Strategic Director Eric Kihlstrom alongside The Secretariat with Rt Hon Damian Green MP (APPG Chair), The Lord Filkin CBE (Advisory Board Chair), Professor Andrew Scott (Advisory Board Member) and Rt Hon Matt Hancock MP, Secretary of State for Health and Social Care at the Launch of the APPG for Longevity, where Aging Analytics Agency’s Global Longevity Governance Report was Premiered, distributed and discussed.

# National Longevity Initiatives Classification Framework

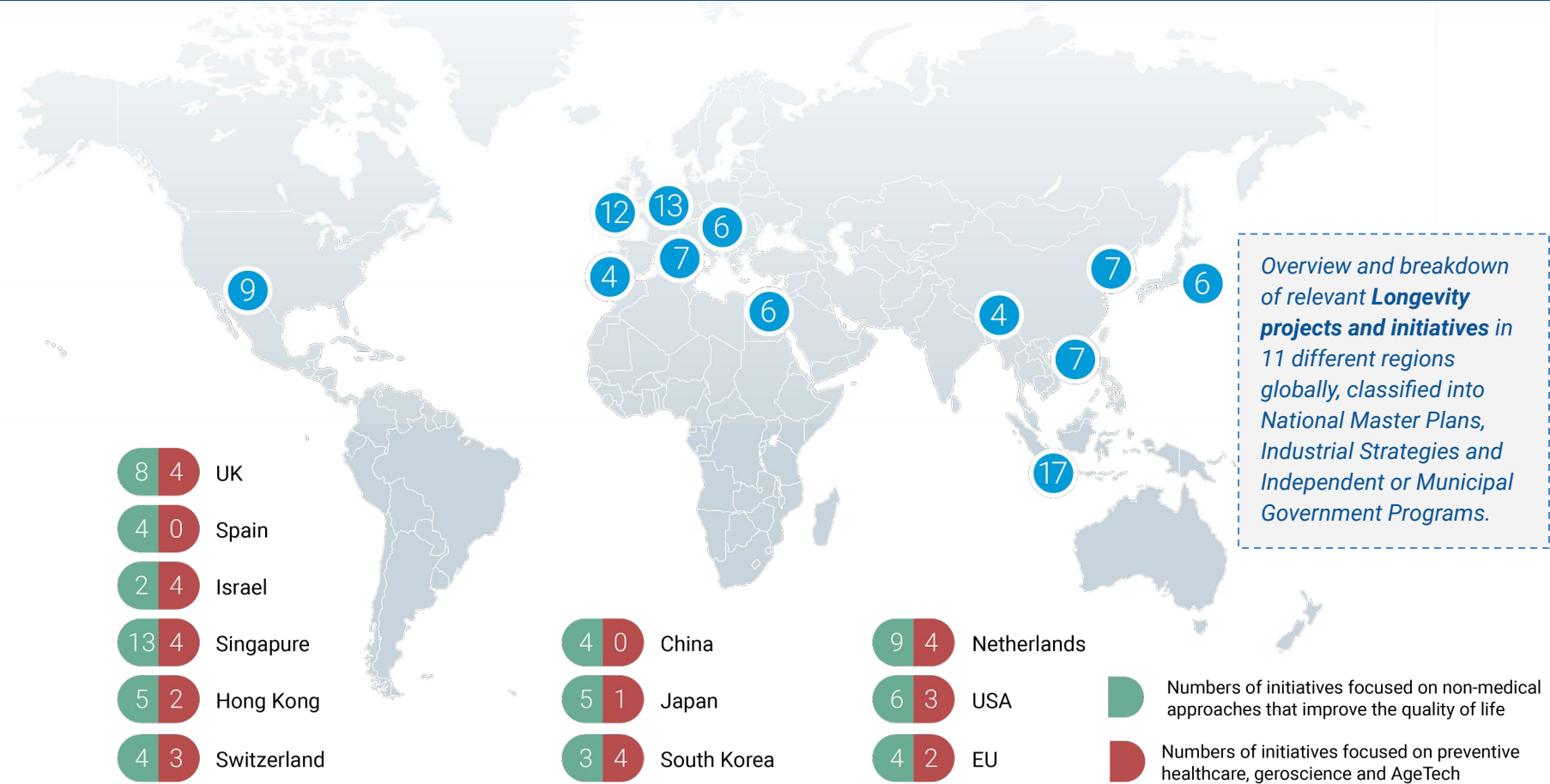


A comprehensive analysis of the strength, relevance and proactivity of various countries' government-led efforts at projects and initiatives to reduce the economic burden of an aging population and manifest the opportunities of Healthy Longevity.

Overall, there are 6 levels of proprietary metrics which differ based on the nature of the parameters they consist of. Indicators, their growth rates and their ratios are calculated separately and then integrated in the final metrics system.

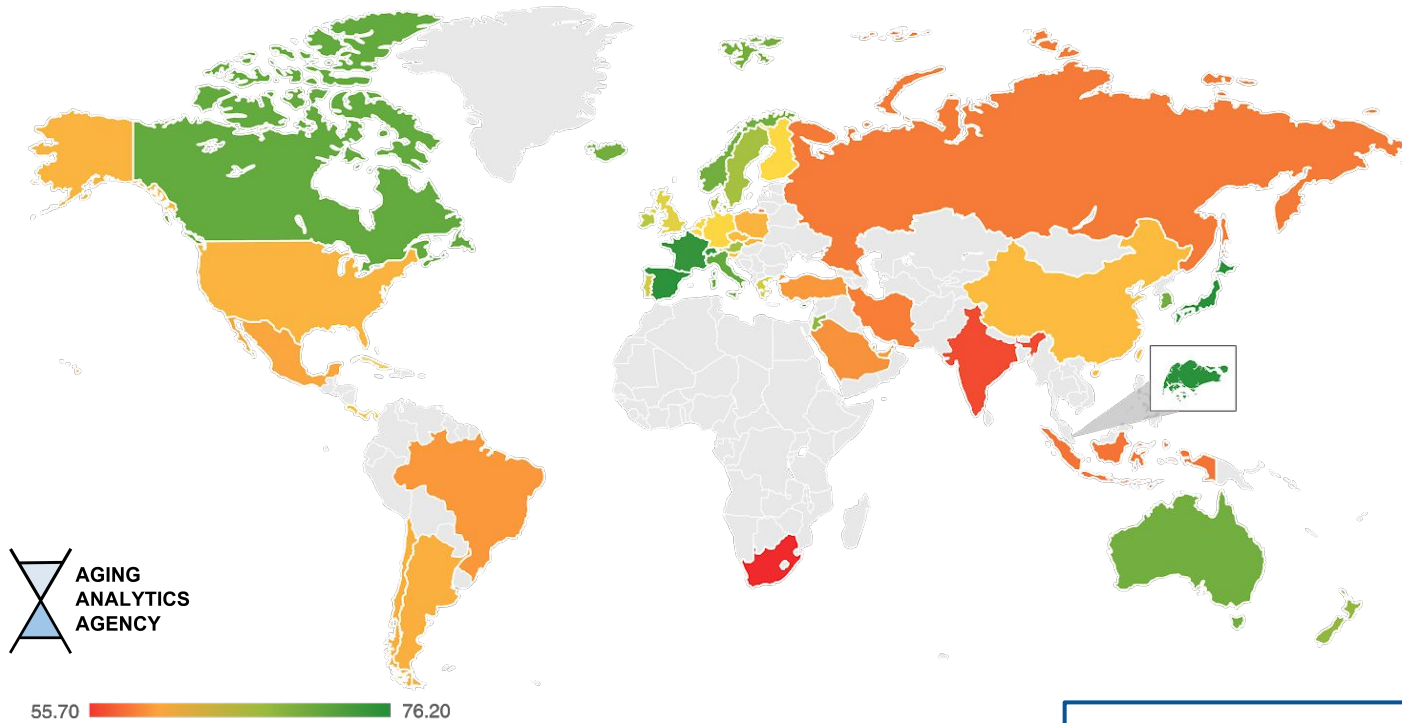
Thus, the ranking system reflects both strengths and opportunities of different countries regarding the development of national Longevity strategies. It can be applied for the evaluation of the current state of a country, as well as of its prospects. Some metrics indicators are directly interconnected, since the ratios are derived from single values which are parameters themselves.

# Number of Government Led Longevity Initiatives by Region



# National Healthy Longevity Heat Map

Healthy Longevity Level Map

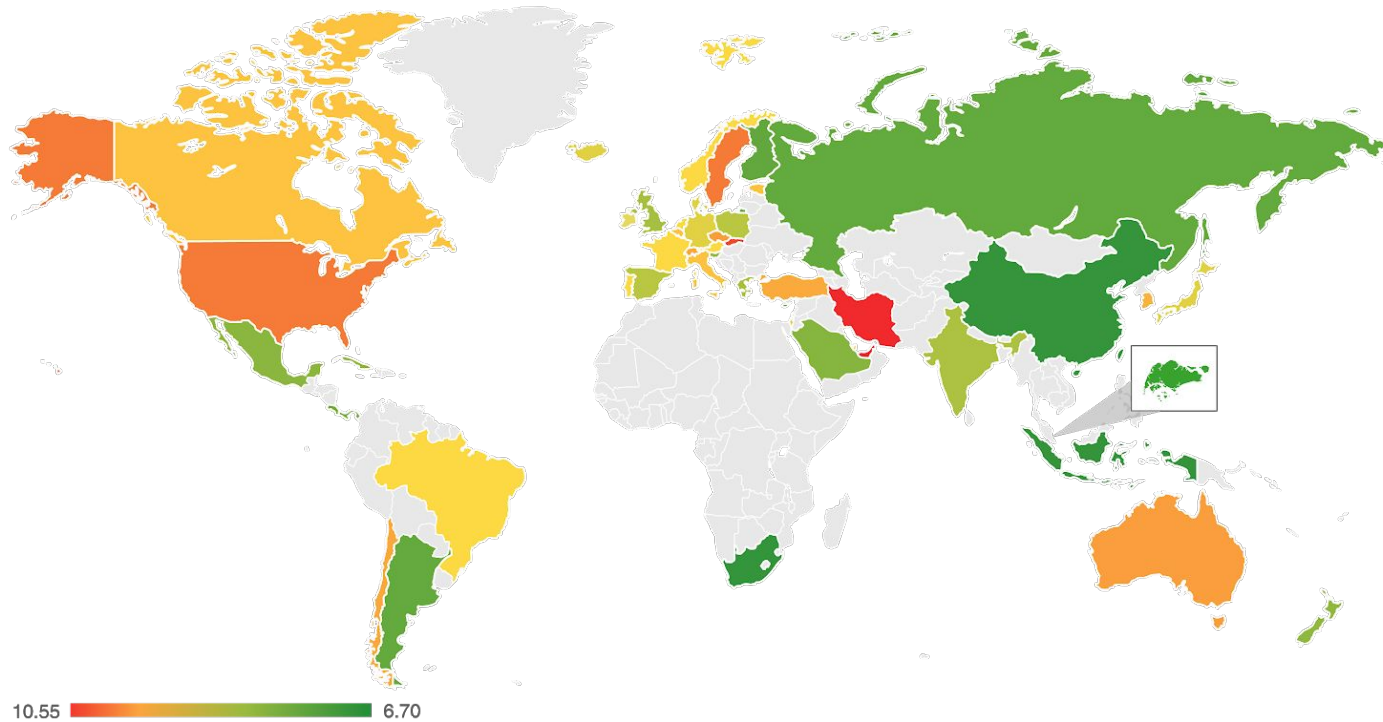


**Healthy Longevity relates here to the number of years that a person live without serious health problems or injuries.**



# Size of Gap Between National Healthy Longevity (HALE) and Life Expectancy

Size of Gap Between Healthy Longevity and Life Expectancy

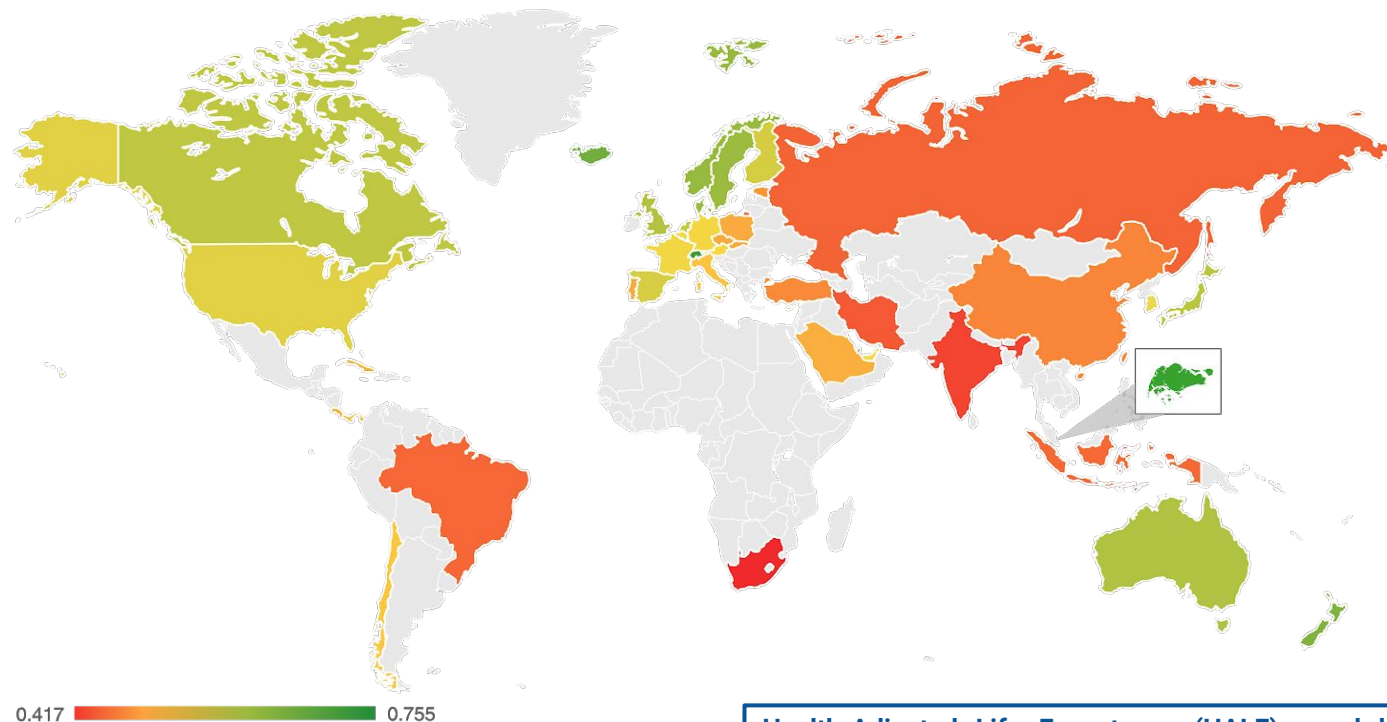


Health-Adjusted Life Expectancy (HALE), used here as a measure of Healthy Longevity, is the average number of years an individual can expect to live free of chronic age-related disease.

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.

# National Longevity Rankings: Health-Adjusted Life Expectancy & HALE GAP

Final Rankings of the Level of HALE and Gap



**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.**

# Singapore vs. US: Longevity Progressive vs. Regressive Nations

## Singapore

HALE: 76.2

HALE GAP: 6.7

Life Expectancy: 82.9

Healthcare Efficiency Rank: #2

% GDP Healthcare Spending: 4.5%

## United States

HALE: 68.5

HALE GAP: 10.0

Life Expectancy: 78.5

Healthcare Efficiency Rank: #25

% GDP Healthcare Spending: 18%

By analyzing the specific circumstances of Longevity outliers - nations with an unusually large or small gap between healthy-adjusted life expectancy and unadjusted life expectancy - the special case study is able to derive insights into the factors likely to either increase or decrease this gap.

The health care system in Singapore, for example, appears more geared toward raising up all its citizens than on achieving excellence in a few high-profile areas. By contrast, the United States (which is the subject of another recent policy-focused analytical report, "[Metabesity and Longevity: USA Special Case Study](#)") spends a disproportionate amount on health care, and yet has the lowest levels of healthy life expectancy among high-income developed countries.

This illustrates the extreme disparities and variation in healthcare efficiency across the globe, exemplified by the enormous gap between HALE and life expectancy in different countries (e.g., Singapore's gap of 6.7 years vs. a gap of 10.0 years in the USA).



# Aging Analytics Agency - International Longevity Policy Proposals

As an increasing number of progressive countries and government bodies begin to actively solicit consultation on Longevity policy, strategy and development plans, Aging Analytics Agency has correspondingly increased the scope of its activities in the realm of Longevity policy, and during September 2019 submitted three proposals to a number of national and international governance and policy-structuring organizations concerned with the issues of aging population and the opportunities of Healthy Longevity, including the UK All-Party Parliamentary Group for Longevity, the World Health Organization, and the UK House of Lords Science and Technology Committee.



# The Future of Longevity Governance: Forecasts for 2020 - 2025



In the next few years, several technologically advanced small smart states will emerge as global competitors in the development of integrated Longevity Industry ecosystems, some of which will focus on specific sectors tuned to their unique strengths, while others will seek to create fully integrated hubs encompassing the entire multifaceted scope of the Longevity Industry.

The potential of government to bring about this type of development is not to be underestimated. The previously underdeveloped Zug canton in Switzerland for example - through a set of legislative initiatives, and some government coordination, as well as initiatives within the "crypto community" - quickly became known worldwide as the 'Crypto Valley'. All that was required was for the cantonal authorities to foster a legislative environment (combined with some international promotional efforts) that would incentivize relevant expertise to relocate there and set up business. In other words, the government created conditions which attract a self-selecting population of community of crypto entrepreneurs.

Some countries are now selling their citizenship to foreign expats present and working in those countries for a certain period, thereby utilizing the same technique of selectively attracting human expertise that was used by Singapore in the creation of its technological mega-hub. We expect five years from now to see a "new normal" of small technocratic nations selling their citizenship selectively to people committed to advancing Longevity-related technologies, in exchange for access to some of the most sophisticated and advanced healthcare, life insurance, MedTech, AgeTech and WealthTech ecosystems available.

# **Longevity Governance Big Data Analytics Dashboard**

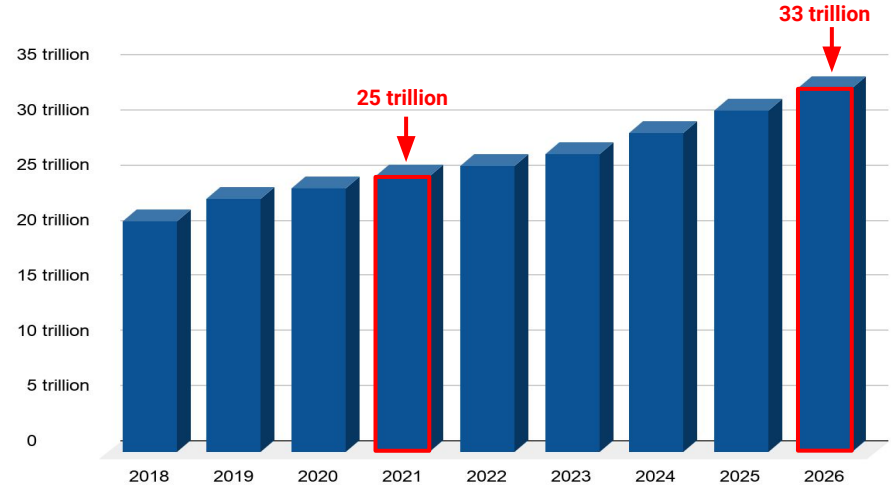
# Longevity Governance Analytics

## About Longevity Governance Big Data Analytics Dashboard

**Longevity governance analytics dashboard developed by Aging Analytics Agency (AAA)** is aimed at delivering to **strategic decision-makers across** the private sector, global investment community, financial industry, governance and policy ecosystem access to **Big Data analytics and visualization, market intelligence, competitive analysis, technology and policy benchmarking, SWOT analysis, practical recommendations and other strategic tool sets** capable of handling the unprecedented complexity and multidimensionality of the full-scope Global Longevity public and private sector ecosystem.

The project is dedicated to offering **tangible and practical recommendations tuned to the specifics of individual countries**, providing the necessary set of tools **to allow countries currently leading the international Healthy Longevity race to maintain and improve their current standing.**

## World Longevity Economy Size Projections, US\$



**This analytics can deliver value to governments to enhance healthcare system in their countries**

### **Government Agencies, Healthcare, Economy & Industrial Development Ministries, & International Policy Organizations**

- Recommendation packs tuned to the specifics of individual countries;
- Analytics & Benchmarking 150 countries;
- Industrial strategies to improve current position in Healthy Longevity;
- Advanced IT-solutions;
- Modernization advises.

# Longevity Governance Big Data Analytics Dashboard



## Longevity Governance Big Data Analytics Dashboard

Interactive Report

Analyst 


 **100**  
Dynamic Charts

 **50**  
SWOT Analysis Profiles

 **50**  
Regions

 **6**  
Layers of Framework

 **240**  
Parameters

 **12000**  
Data Points

**REPORTS**

-  Interactive
-  Downloadable

**TOOLS**

-  Mindmaps

### Longevity Progressivness 3D Visualization

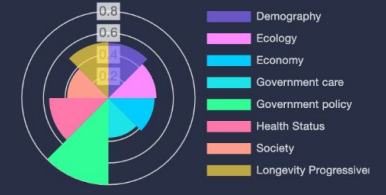
Demography, Society, Health and Healthcare



Country	Demography	Ecology	Economy	Government care	Government policy	Health Status	Society	Longevity Progressive
Switzerland	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
New Zealand	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Singapore	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
USA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Israel	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

### Longevity Progressivness Benchmarking Charts

Argentina



Category	Score
Demography	0.8
Ecology	0.6
Economy	0.4
Government care	0.2
Government policy	0.2
Health Status	0.2
Society	0.2
Longevity Progressive	0.2

### National Healthy Longevity Interactive MindMaps



### Recommendations for Argentina

Demography

Ecology

Economy

Government care



# Database Scope and Size

## Entities

150+ countries

400 regions

50+ development programs

1000 leaders

## Data Points

12 000 data points

240 parameters

5 vectors

15 subvectors

## Areas of Assessment

Pension system

Healthcare

Wellness

Technology

## Data Types

3 types of entities

11 subtypes of entities

8 data types

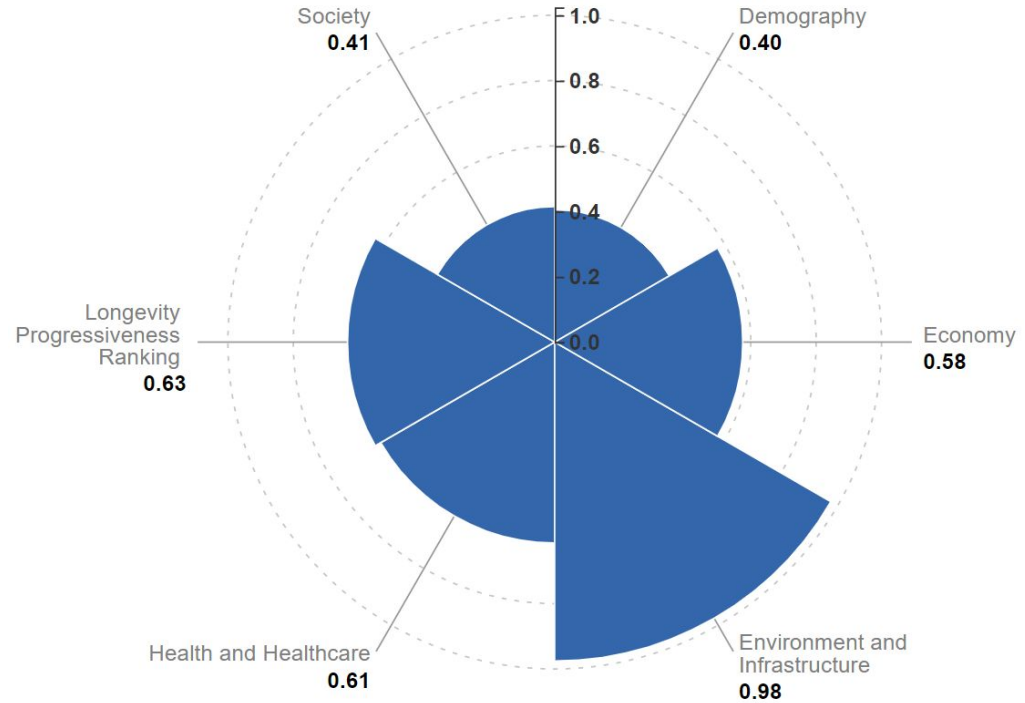
6 data layers

# Multiparametric Assessment Analysis (Using Big Data Analytics Platform)

Aging Analytics Agency offers a state-of-the-art interactive online AI-based **SWOT analysis system** covering more than 150 countries.

The product allows the governments to conduct initial data-driven competitive analysis **instantly, automatically, and holistically** by comparing 200-300 data points for each country combined in the 10-20 vectors of national longevity development.

The results of the analysis are represented in the easily perceived form of 2-dimensional and 3-dimensional radar charts.



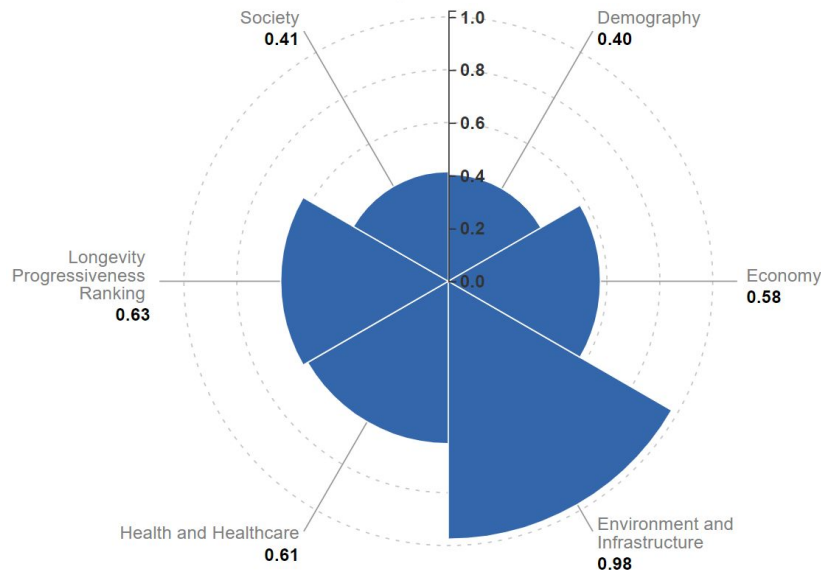
Applications
Real-time SWOT analysis of 150 countries
Analysis of the closest competitors and comparison of related countries
Automatized algorithmic recommendations
Detection of the most prospective policies

# Multiparametric Assessment Analysis (Using Big Data Analytics Platform)

Automated SWOT analysis system allows to replace long, resource-requiring, manual, and unsystematic process of competitive analysis and public policy development by a real-time available product extracting insights from **the largest in the world longevity industry database** with the help of **deep learning algorithms and multidimensional polynomial formulas** calibrated by combining **expert opinions with big data analysis**.

This enables the conduct of public policy analysis, which is **faster, more precise, and cheaper** simultaneously, since it is being done automatically, permanently, without essential human interaction, and using more data points.

Database, AI and ML algorithms overview	
Parameters	240 parameters with appropriate weights combined into 5 vectors
Data points	12 000 data points which are being updated permanently
Algorithms	Deep neural networks, polynomial formulas with mathematical transformations, regression models
Data aggregation	Automatized parsing, extrapolation using machine learning, feedback from companies

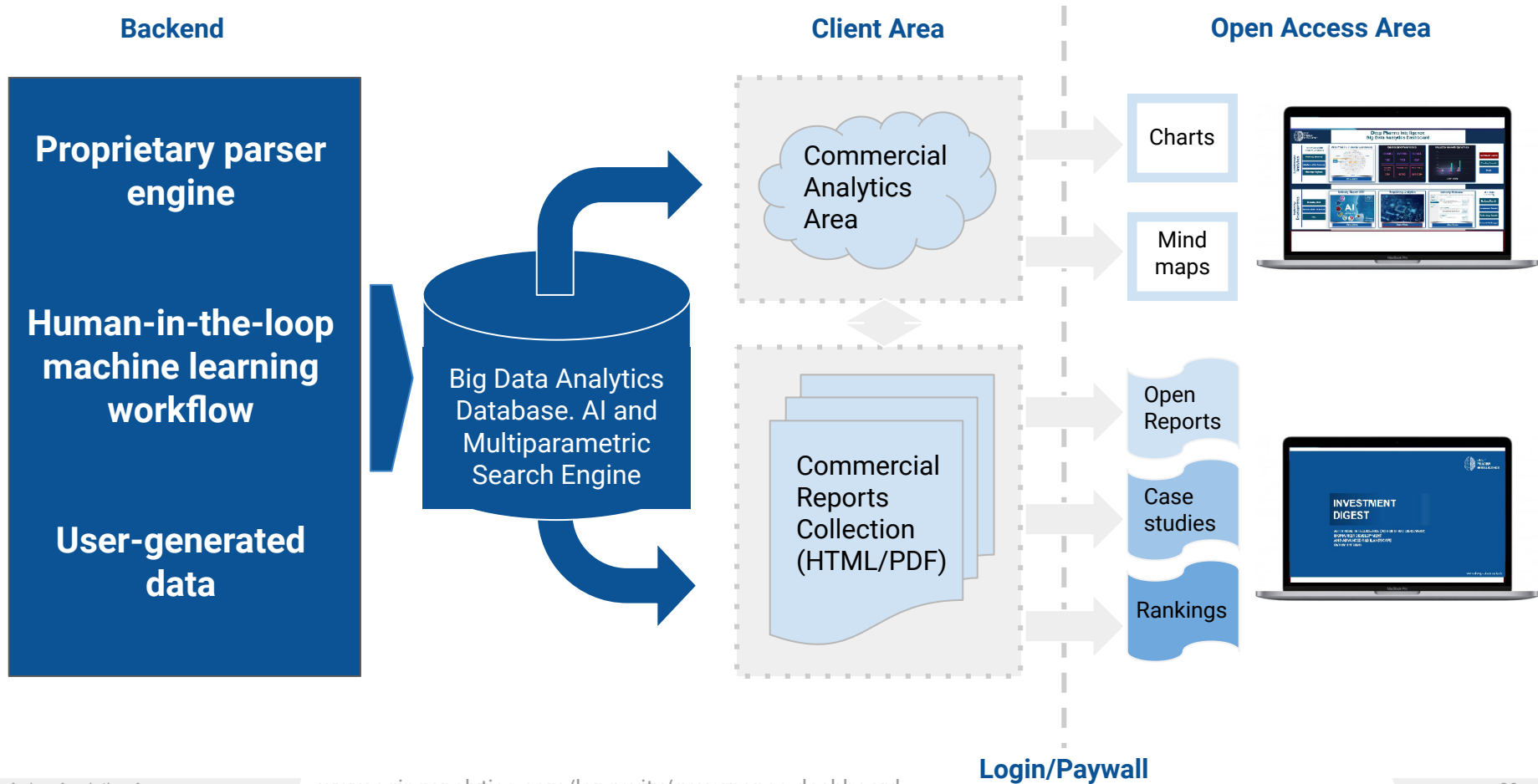


# Our Technologies

The technologies (AI, ML, algorithms, data aggregation, mathematical transformations) that are applied for each of our products are listed below.

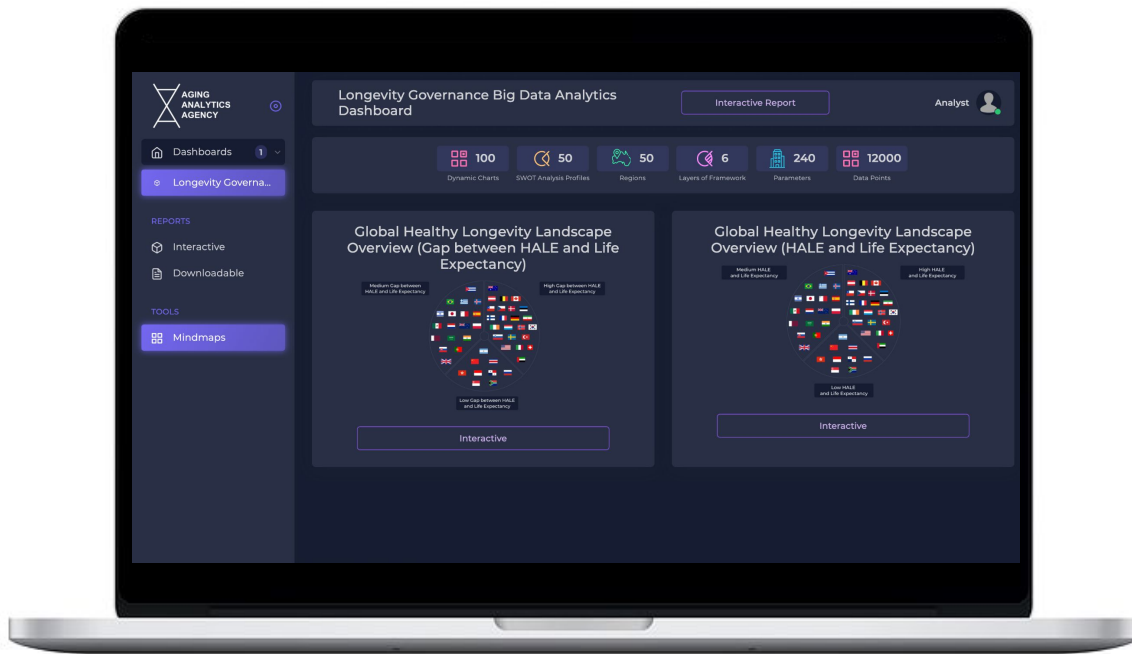
SWOT analysis	Data aggregation	Model creation
Polynomial formulas, multidimensional vector spaces	Data extrapolation through regressions	Factor analysis of LE-HALE gap determinants (multiple regression)
Mathematical transformations: logarithmic, exponential, parabolic, multiplicative	Data extrapolation through deep neural networks	Analysis of variance of major longevity parameters across groups of countries (ANOVA)
Business development harmonization analysis: definite integrals, standard deviation	Natural language processing for tag cloud creation	Defining leading countries in longevity governance (ranking)
Variance-covariance analysis of the parameters of the countries	Data parsing	Estimation of relationships between metrics (intraclass correlation)
Linear algebra	Deep neural networks for data structuring	Assessment of effectiveness of healthcare systems

# Big Data Analytics Platform at a Glance



# Longevity Governance Dashboard: Main Features

The Longevity Governance Dashboard applies big data analysis to **identify social policy, healthcare, medical, financial and socioeconomic factors** having the greatest effect on the gap between life expectancy at birth and Health-Adjusted Life Expectancy (HALE) for 150 regions.



The dashboard focuses on **identifying the factors and practices behind certain regions' success** in maintaining high National Health Longevity, and a low gap between Health-Adjusted Life Expectancy (HALE) and unadjusted Life Expectancy.

It utilizes the results of its region-specific analysis to **offer tangible and practical recommendations** tuned to the specifics of **individual territories**, providing the necessary set of tools to enable national governments, individual economy, healthcare and industrial development industries, international policy organizations and other responsible stakeholders to **formulate and implement policies and development strategies capable of transforming the challenge of aging into the opportunity** of Healthy Longevity for the mutual benefit of their citizens and their economy.

# Longevity Governance Dashboard: Major Use Cases

## Government Agencies, Healthcare, Economy & Industrial Development Ministries, & International Policy Organizations

- The Longevity Governance Dashboard delivers access to continuous monitoring of the specific governmental policy activities directly impacting both National Healthy Longevity and Longevity Industrialization, and to consistently track and analyze data points related to government-led Longevity Development initiatives.
- Applies **big data analysis** to identify social policy, healthcare, medical, financial and socioeconomic **factors** with the greatest effect on the **gap** between life expectancy and **Health-Adjusted Life Expectancy (HALE)** for 100 regions.
- Identifies factors and practices behind certain regions' success in maintaining a high degree of **National Healthy Longevity** and a low gap between HALE and Life Expectancy
- Provides **tangible** and **practical recommendations** tuned to the specifics of individual countries, providing the necessary set of tools to allow countries currently leading the international Healthy Longevity race to **maintain** and **improve** their current standing.
- Features region-specific **recommendation packs** to enable governments currently lagging behind others to reduce their HALE gap and improve their comparative global standing, transforming the deficit and challenge of the silver tsunami into the **asset** and **opportunity** of Healthy Longevity for the mutual benefit of their citizens and their economy.

Longevity Governance	Recommendation Packs	Industrial Strategies	Precision Health
	Advanced IT-Solutions	Analytics & Benchmarking	Modernization

# Analytical Precedents: Big Data Analysis of Global Longevity Governance

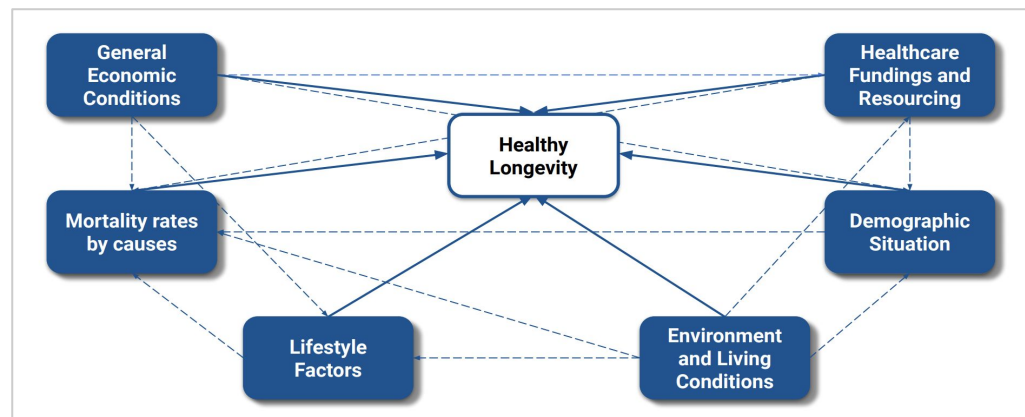
**“Global Longevity Governance Landscape: 50 Countries Big Data Comparative Analysis of Longevity Progressiveness”** is a 540-page analytical case study featuring a sophisticated multidimensional big data analytics that is used to provide intelligible and fact-driven benchmarking of 50 nations in relation to levels of Healthy Longevity, as measured by Health-Adjusted Life Expectancy (HALE), their current gaps between HALE and unadjusted life expectancy, their current levels of success in growing and maintaining National Healthy Longevity and dealing with the issue of aging, and tangible policy recommendations on how to either maintain or improve their standing and optimize their National Healthy Longevity.



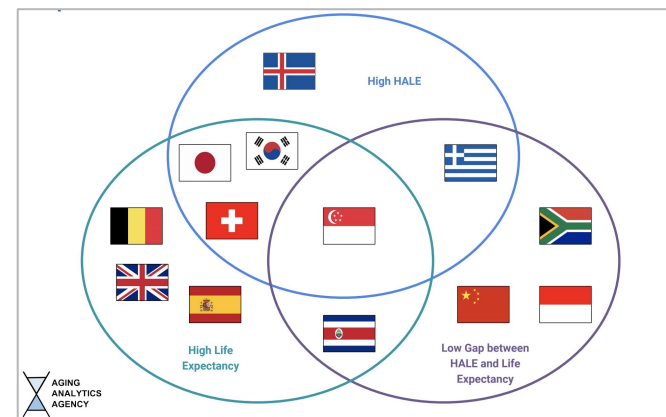


# Key Topics for Analysis and Practical Recommendations

- What specific features of healthcare systems, socio-economic conditions, environmental factors affect public health the most?
- How does the impact of such factors differ across countries?
- What constellation of factors contributes the most to Healthy Longevity?
- Which factors are the main drivers of health-adjusted life expectancy and disability-adjusted life years?
- What countries are leaders in Longevity governance?
- Why do disproportionate healthcare expenditures in the United States contribute to poor healthcare system performance and a decline in overall life expectancy in recent years?
- Why is the healthcare system in Singapore considered as one of the most efficient in the world?
- What can be done to improve National Healthy Longevity in each country globally?



Healthy Longevity Determining Factors



Health-Adjusted Life Expectancy Specification Framework

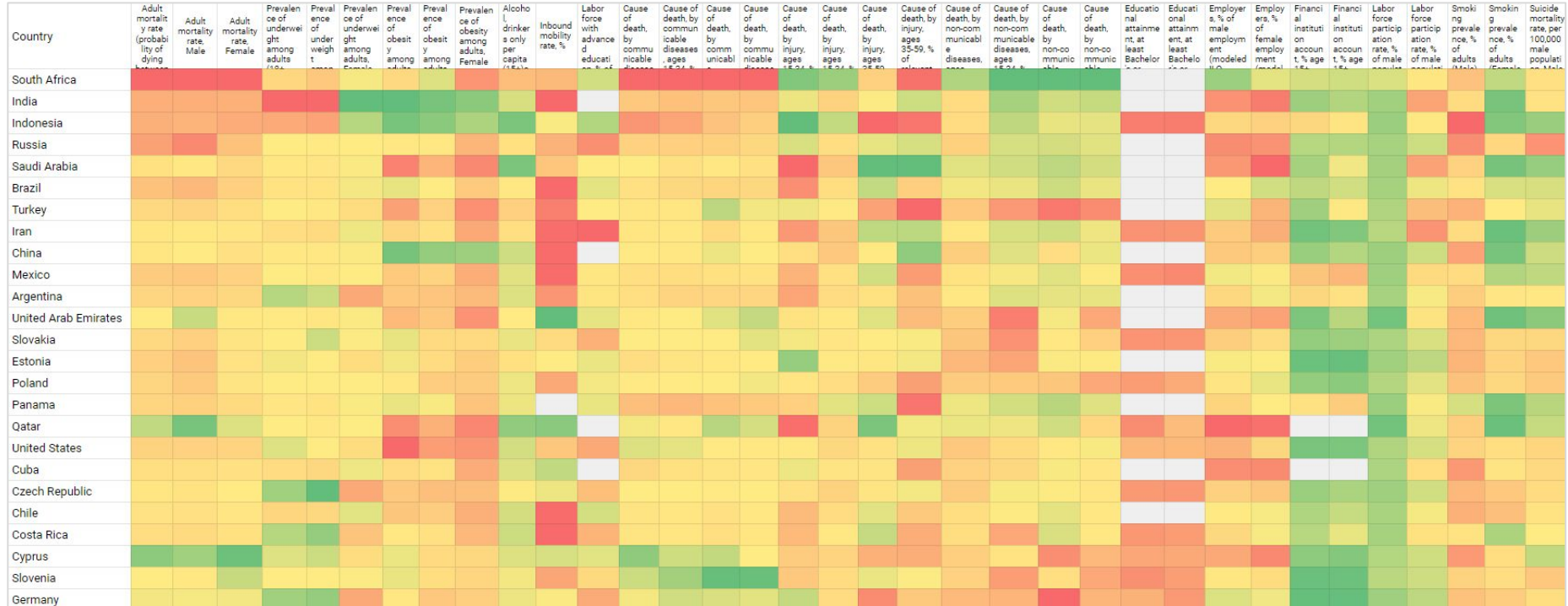
# Longevity Governance Dashboard: Regional Specification

**50 Regions** were analysed of levels of their **Longevity Progressiveness** and presented in Global Longevity Governance Landscape report as well as they will appear in Longevity Governance Dashboard.

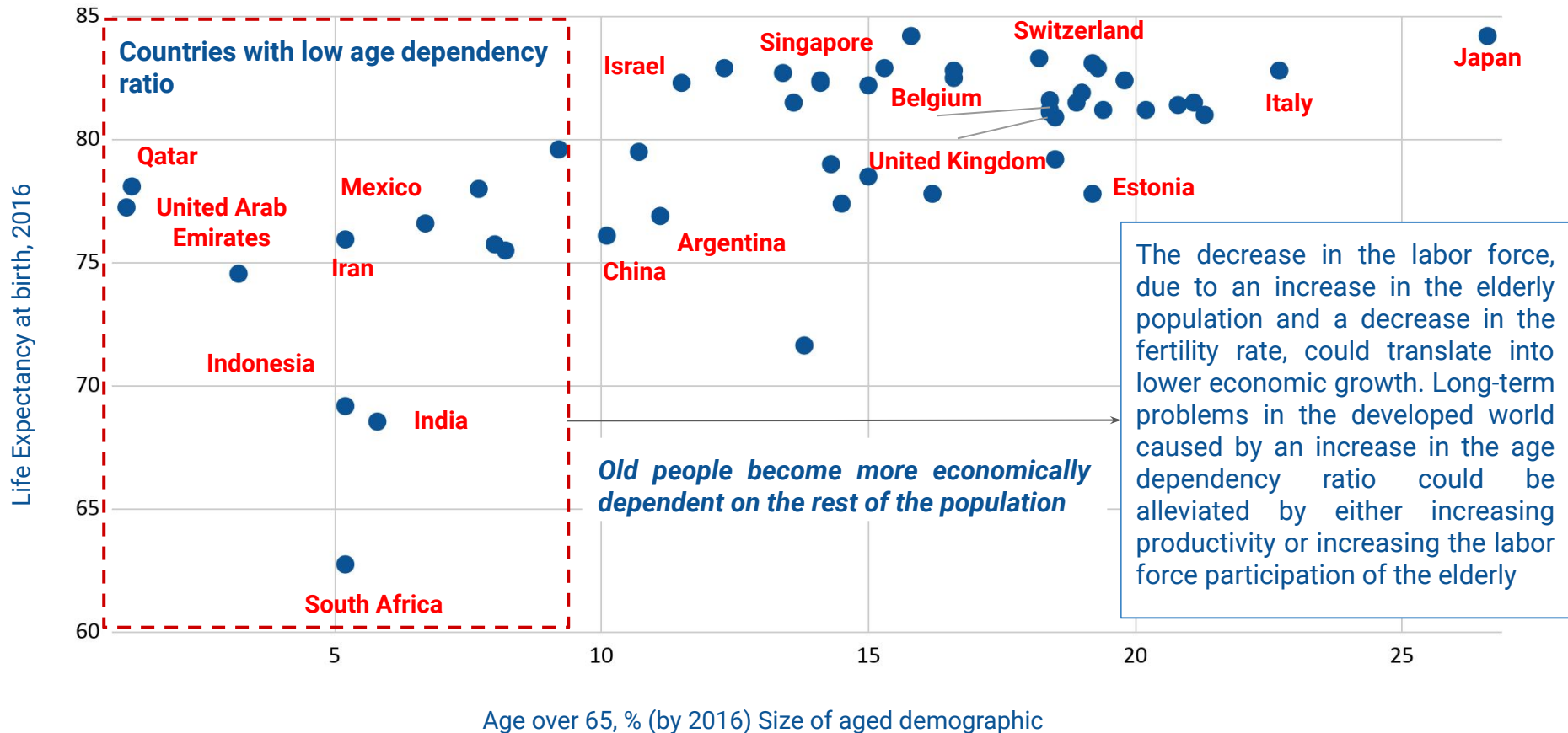
1	Argentina	13	Estonia	26	Japan	39	Saudi Arabia
2	Australia	14	Finland	27	Luxembourg	40	Singapore
3	Austria	15	France	28	Malta	41	Slovakia
4	Belgium	16	Germany	29	Mexico	42	Slovenia
5	Brazil	17	Greece	30	Netherlands	43	South Africa
6	Canda	18	Hong-Kong, SAR	31	New Zealand	44	Spain
7	Chile	19	Iceland	32	Norway	45	Sweden
8	China	20	India	33	Panama	46	Switzerland
9	Costa Rica	21	Indonesia	34	Poland	47	Turkey
10	Cuba	22	Iran	35	Portugal	48	United Arab Emirates
11	Czech Republic	23	Ireland	36	Qatar	49	United Kingdom
12	Denmark	24	Israel	37	Republic of Korea	50	United States of America
		25	Italy	38	Russian Federation		

# Longevity Governance Dashboard Prototype

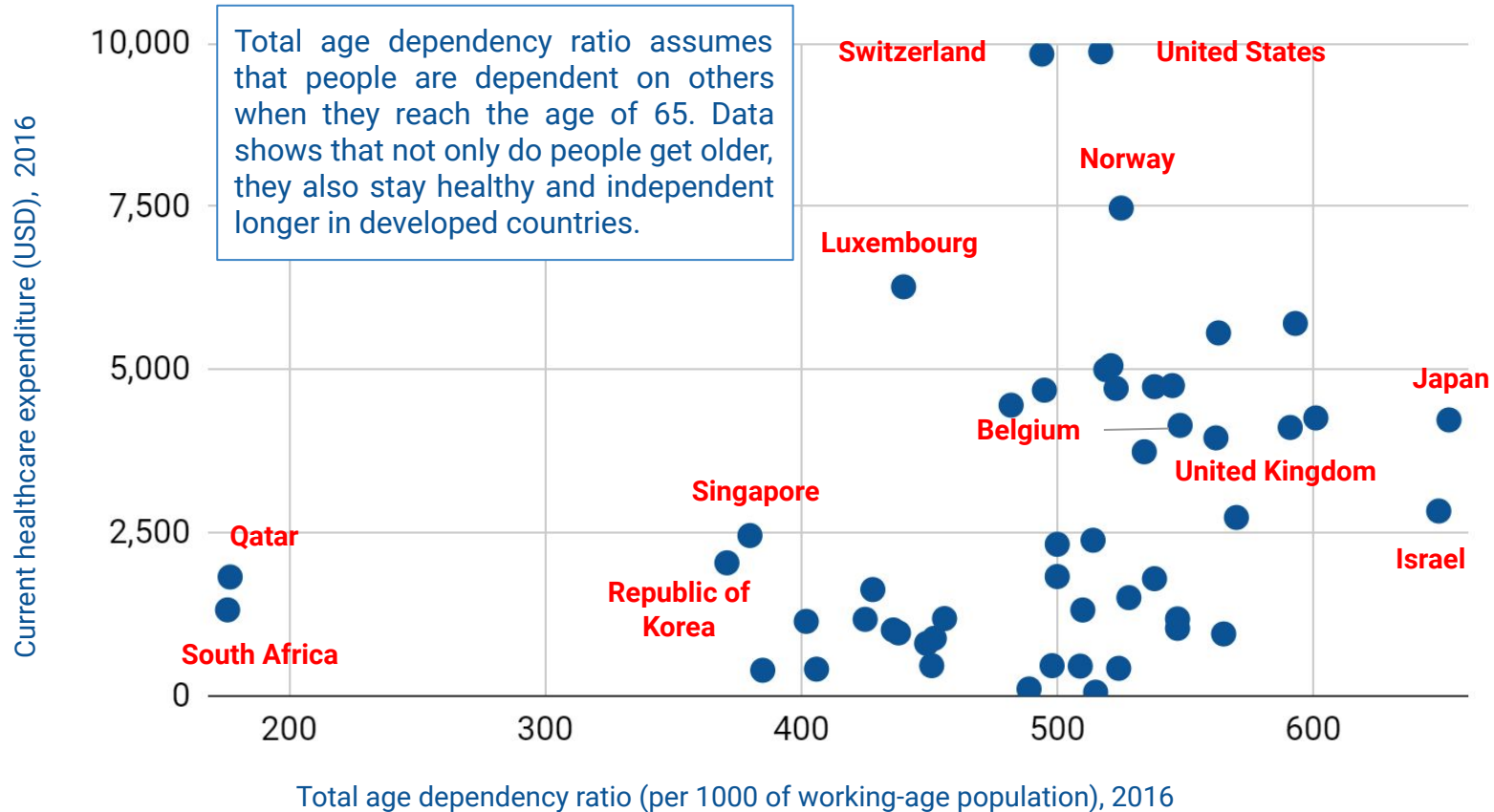
To derive the interconnection between metrics and classify countries into groups, patterns recognition is based on a comparison of 240 parameters across regions according to their distribution and variation.



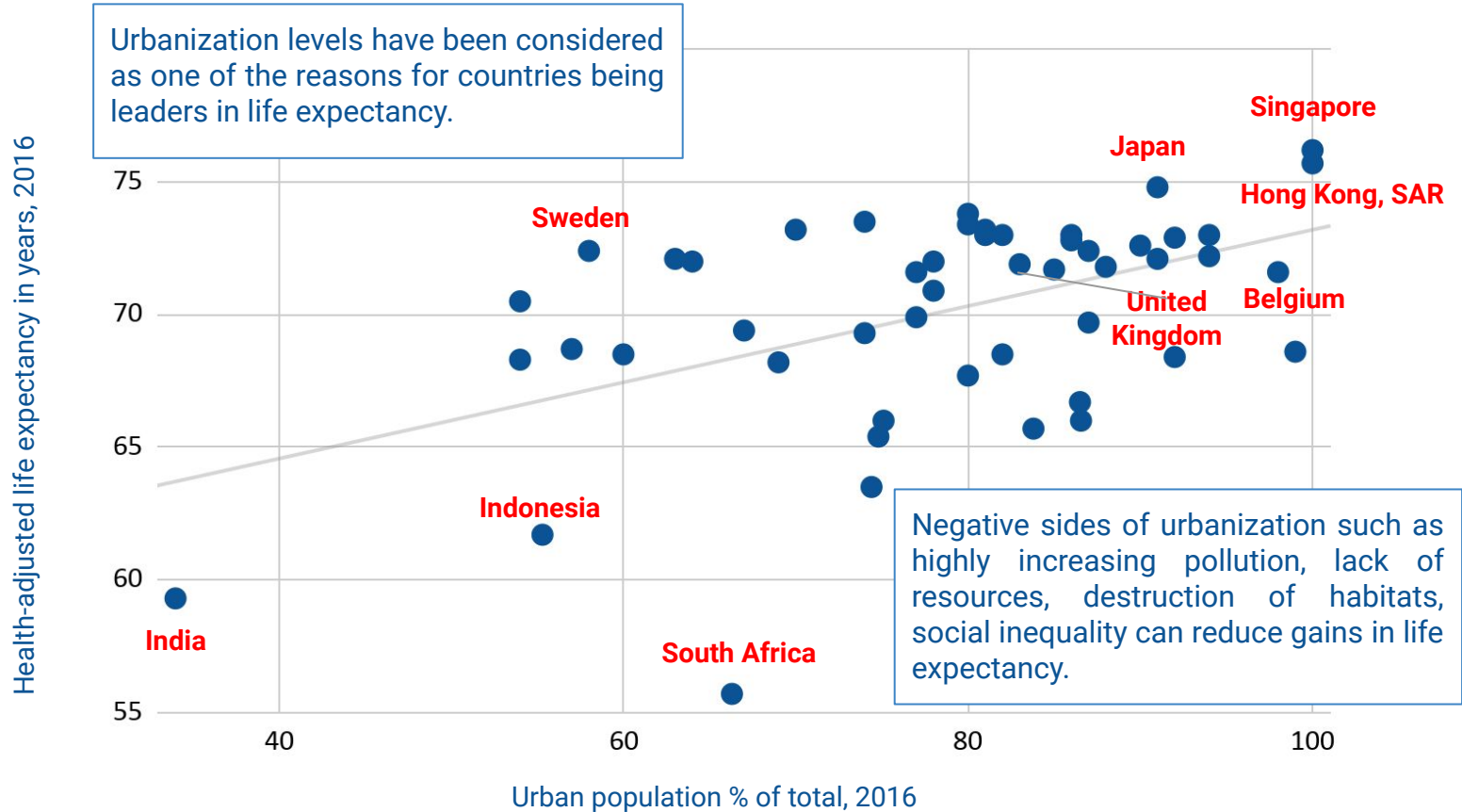
# Analytics Example N1: Life Expectancy vs. Ageing Population



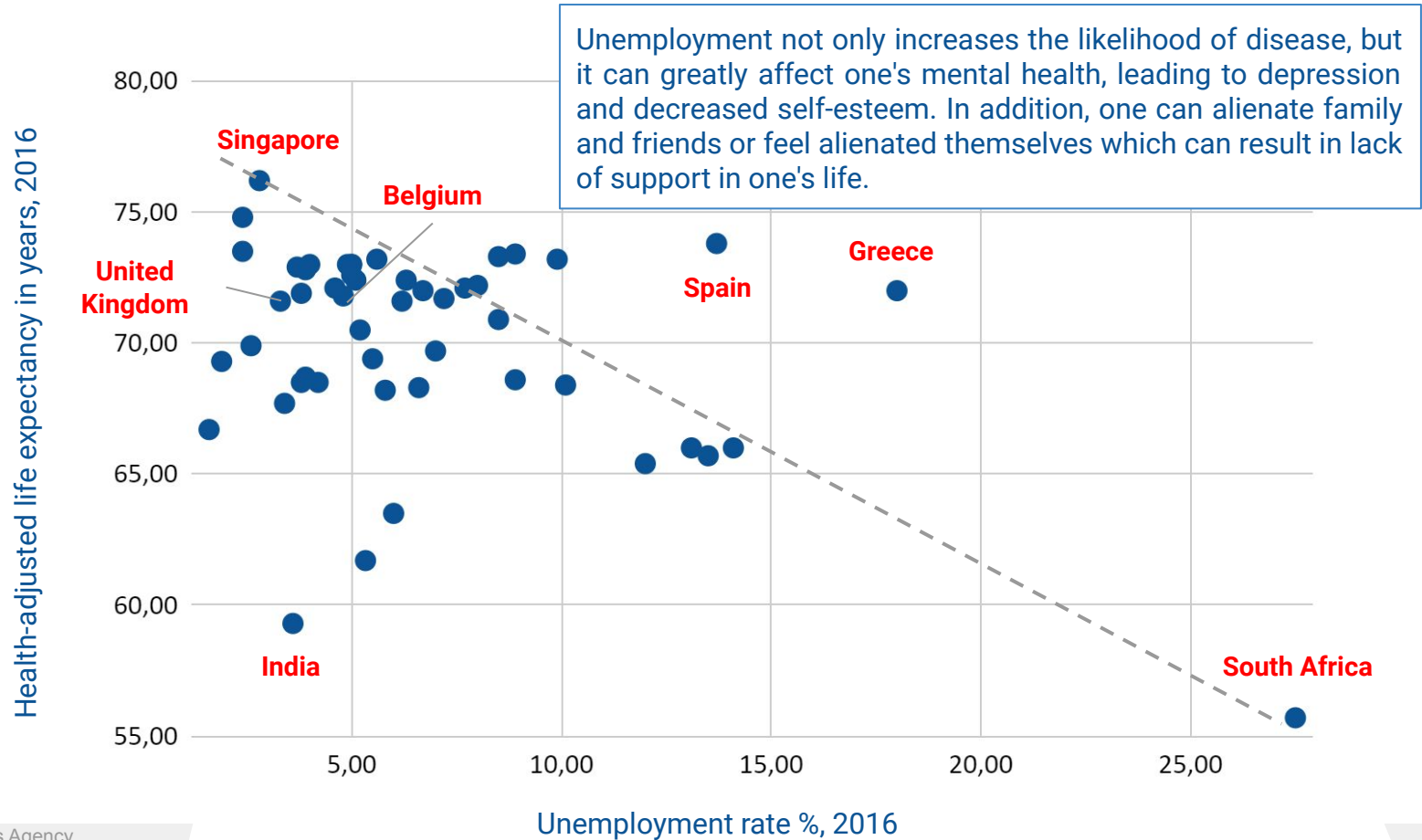
# Analytics Example N2: Ageing Population vs. Healthcare Expenditure



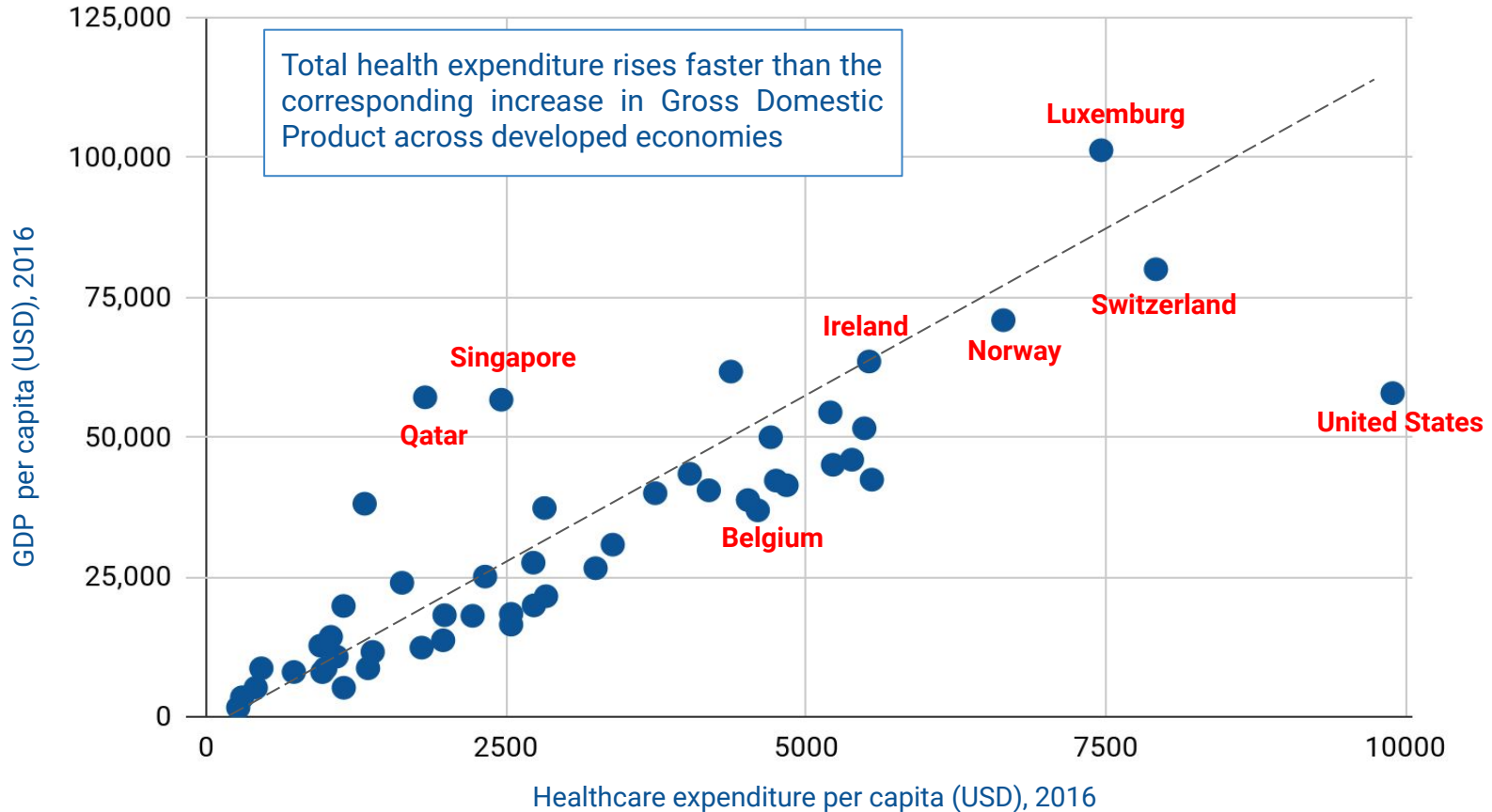
# Analytics Example N3: Urbanization vs. Healthy Longevity



# Analytics Example N4: Unemployment vs. Healthy Longevity

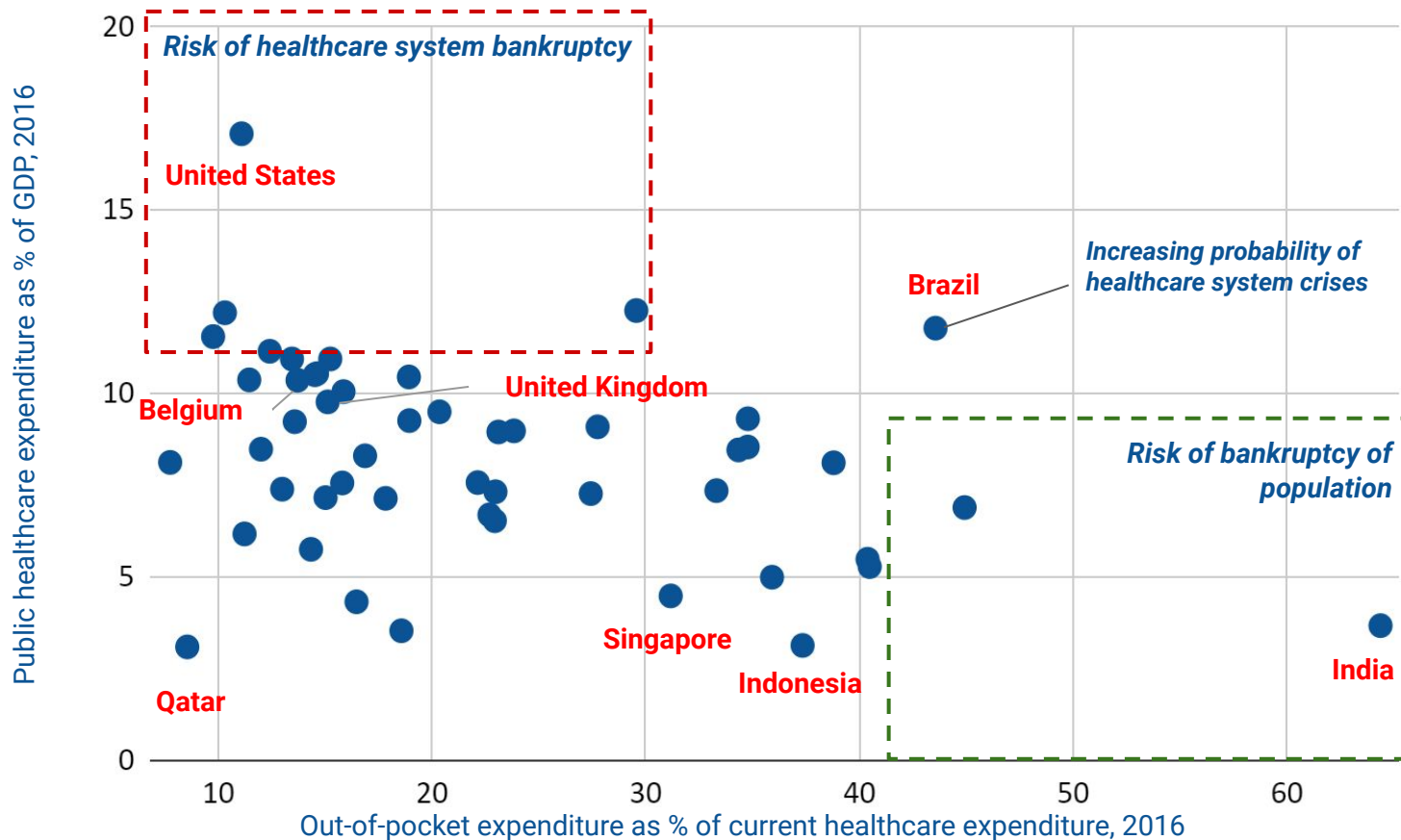


# Analytics Example N5: Healthcare Spendings vs. GDP Per Capita

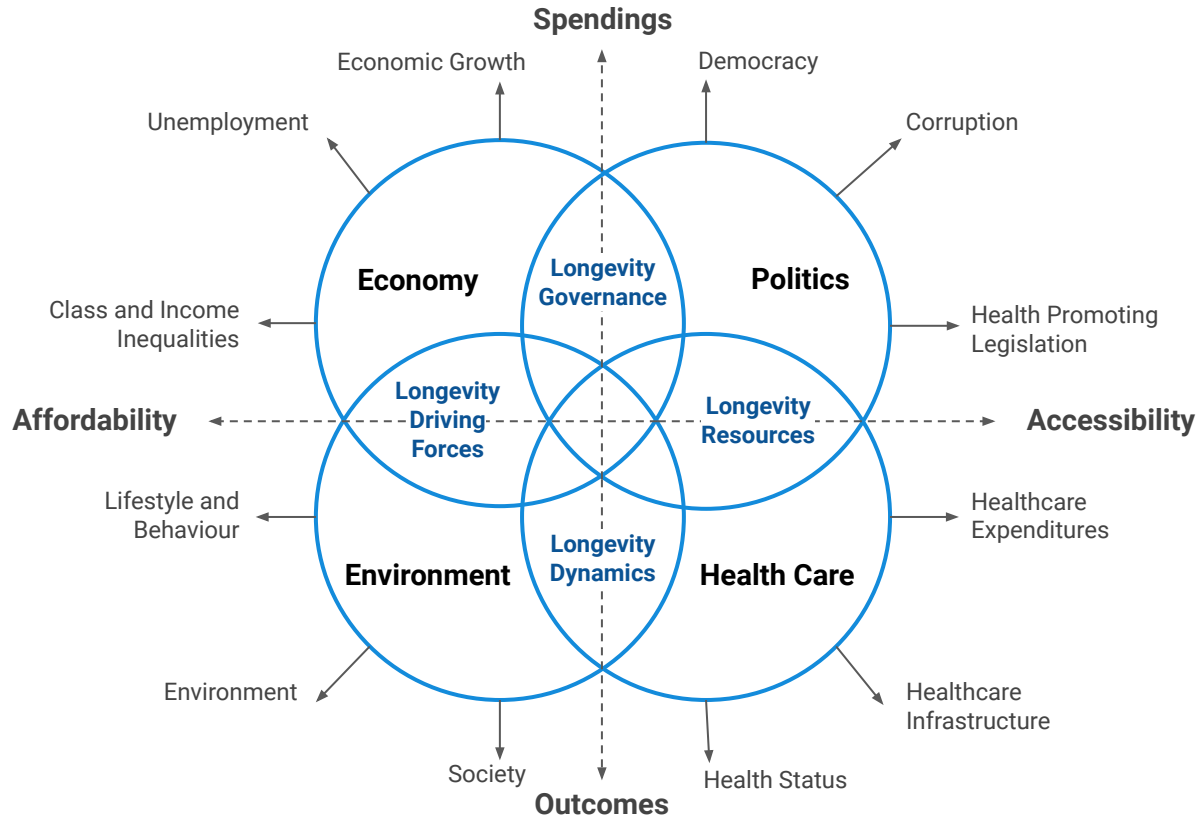




# Analytics Example N6: Public Health Expenditure vs. Out of Pocket Expenditure



# Longevity Progressiveness



Longevity progressiveness is important for driving economic progress and competitiveness – both for developed and developing economies.

**Healthy Longevity is affected by** many groups of factors such as: **socioeconomic status, demography, income, wellbeing**, the quality of the health system and the ability of people to access it, health behaviours such as tobacco and excessive alcohol consumption, poor nutrition and lack of exercise, **social factors**, genetic factors and **environmental factors** including overcrowded housing, lack clean drinking water and adequate sanitation.

Longevity progressiveness should be based **on four pillars**. They are good health outcomes, cost-efficiency, affordability of healthcare treatment for the population and widest possible access to services and products.

# Longevity Governance Dashboard Big Data Analytics Framework

## Data Collection

- 150 regions
- 240 parameters per region
- 12,000 parameters in total

## Data Cleaning

Aggregation  
of data by 5  
dimensions

- Economic conditions
- Demography
- Health care and Longevity
- Environment
- Social factors

## Model Creation

- Factor analysis of LE-HALE gap determinants (multiple regression)
- Analysis of variance of major longevity parameters across groups of countries (ANOVA)
- Defining leading countries in longevity governance (ranking)
- Estimation of relationships between metrics (intraclass correlation)
- Assessment of effectiveness of healthcare systems

## Model Validation

- Hypothesis testing
- Sensitivity analysis

## Development of Recommendations

- Incorporation results of research in practical region-specific and department-specific recommendations

# Longevity Progressiveness Methodology

Step	Name	Details	Stats
01	Data input	Filling in data for each country's metric selected by DKG experts from open-source databases.	146 metrics
02	Data Assessment	An assessment table assigns a point for each metric for each country depending on the allocation of a particular country's metric within the analyzed set.	Max 408 Points
03	Data Weighted Evaluation	Categories and their metrics are assigned with a particular weight which impacts the final score of a metric.	Max 100 Score
04	Pivot Results	At the final step all scores are gathered in the Pivot table. Initially table is grouped by categories and their score for each country. However, using slicers enables user to arrange table due to his needs.	50 Countries Ranking

# Semi-automatic SWOT

Step	Name	Details	Stats
01	Data input	Filling in data for each country's metric selected by DKG experts from open-source databases.	146 metrics
02	Data Assessment	An assessment table assigns a point for each metric for each country depending on the allocation of a particular country's metric within the analyzed set.	Max 408 Points
03	Country Selection	User selects a country for which he wants to receive a set of recommendations.	List of 50 Countries
04	Recommendations	At the final step user receives a full list of recommendations with a description as well as short summary of country's score in each category.	107 Guidances

# Analytical Precedents: National Longevity Development Plans

Aging Analytics Agency's first major Longevity Policy & Governance project was its 2019 case study, **National Longevity Development Plans Global Landscape Overview 2019**. Because Aging Analytics Agency is the main source of Longevity industry data and analytics for the UK **All-Party Parliamentary Group for Longevity**, representatives of the agency presented some of the special case study's major conclusions at an All-Party Parliamentary Group for Longevity **Strategic Advisory Board** meeting in **UK Parliament** on April 30th, arguing that the UK Government needs to extend existing efforts and create a framework to change the **deficit model** of the 'Ageing Society' to an **asset model** around 'Longevity' and be bold with a national strategy to harness the 'Longevity Dividend' to benefit all people in society.



# “National Longevity Development Plans” Case Study Presented in UK Parliament

On May 7, 2019, Aging Analytics Agency Founder Dmitry Kaminskiy also delivered a presentation highlighting major conclusions from Aging Analytics Agency’s **“National Longevity Development Plans Global Overview”** report at UK Parliament, as part of the official Launch Event for the All-Party Parliamentary Group for Longevity.

Aging Analytics Agency serves as the primary source of analytics and data for the APPG for Longevity.

Pictured left is the current UK Secretary of Healthy and Social Care, Matt Hancock, delivering a speech against the backdrop of the front cover of Aging Analytics Agency’s special analytical case study.




UK Secretary of Health & Social Care at the APPG for Longevity Launch



## Launch of the UK All-Party Parliamentary Group (APPG) for Longevity, House of Commons



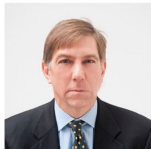







Aging Analytics Agency Co-Founder Dmitry Kaminskiy and Strategic Director Eric Kihlstrom alongside The Secretariat with Rt Hon Damian Green MP (APPG Chair), The Lord Filkin CBE (Advisory Board Chair), Professor Andrew Scott (Advisory Board Member) and Rt Hon Matt Hancock MP, Secretary of State for Health and Social Care at the Launch of the APPG for Longevity, where Aging Analytics Agency’s Global Longevity Governance Report was Premiered, distributed and discussed.

# Aging Analytics Agency - International Longevity Policy & Governance Summit



**International Longevity Policy and Governance Summit**  
November 12th 2019, 09:00 - 13:45  
King's College, London, UK

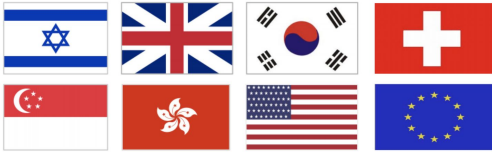
Aging Analytics Agency was also a strategic and supporting partner of the inaugural **International Longevity Policy and Governance Summit**, organized by **Longevity International UK** at **King's College, London** on **November 12th 2-19** (where several Aging Analytics Agency executives delivered presentations and chaired panel discussions) in an effort to support and promote a greater degree of international synergy and cooperation on the expanding frontier of Longevity Policy and Governance. The summit focused on the international response to harnessing the opportunities of an ageing demographic, and was attended by a number of high-profile representatives and government officials of healthcare departments from Longevity-progressive countries.

 Tina Woods Longevity International UK	 Dmitry Kaminskiy Aging Analytics Agency	 Eric Kihlstrom Longevity International UK	 Rt Hon Damian Green MP All-Party Parliamentary Group for Longevity	 Lord Geoff Filkin CBE All-Party Parliamentary Group for Longevity
 Dr Charles Alessi HIMSS	 Julia Randell-Khan Center on Longevity, Stanford University	 Professor, Kenji Shubuya Institute for Population Health, Kings College London.	 Mike Hodin Global Coalition on Aging (TBD)	 Sergey Young Longevity Vision Fund

**Cross-Border Collaboration**

Establishing Mutually-Beneficial Dialogue, Exchange, Cooperation and Policy Formulation with Longevity Progressive Nations

Learning from Past Mistakes in Policy, Implementing the Best Examples of Development Initiatives Overseas, and Synergetic Coordination



**“Living Longer, Healthier and Productively for Global Prosperity”**

Building Cross-Country and Cross-Sector Bridges for Longevity Politics and Governance Initiatives

**INVITATION FOR** Government Representatives  
Foreign Ambassadors  
Policy Experts  
Healthcare & Financial Executives  
NGOs, NonProfits, Think-Tanks



## Supporting Partners

Longevity International Policy and Governance Summit is supported by:





Longevity International UK is the Secretariat for the All-Party Parliamentary Group for Longevity.





# Aging Analytics Agency - International Longevity Policy Proposals

As an increasing number of progressive countries and government bodies begin to actively solicit consultation on Longevity policy, strategy and development plans, Aging Analytics Agency has correspondingly increased the scope of its activities in the realm of Longevity policy, and during September 2019 submitted three proposals to a number of national and international governance and policy-structuring organizations concerned with the issues of aging population and the opportunities of Healthy Longevity, including the UK All-Party Parliamentary Group for Longevity, the World Health Organization, and the UK House of Lords Science and Technology Committee.



# Aging Analytics Agency Longevity-Focused Analytical Subsidiary

Aging Analytics Agency is the world's premier provider of industry analytics on the topics of Longevity, Precision Preventive Medicine and Economics of Aging, and the convergence of technologies such as AI, Blockchain, Digital Health and their impact on the healthcare industry.

The company provides strategic consulting services in fields relating to Longevity, and currently serves as the supporting partner for the **UK All-Party Parliamentary Group for Longevity**.



appg longevity

Supporting Partner for the UK All-Party Parliamentary Group for Longevity and a Source of Data and Analytics for the APPG Secretariat



Official Member  
Organization of the United Nations NGO Committee on Ageing



Media Partner for  
Metabesity Conference in Washington D.C.



LONGEVITY.CAPITAL

Main Source of Market Intelligence and Industry Analytics for the Longevity.Capital

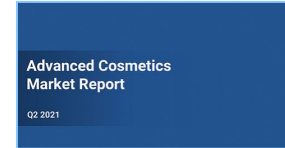
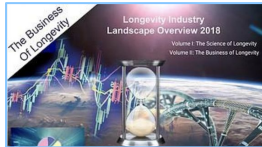


Supporting Partner of the Annual International Longevity Policy & Governance Summit

Website: [www.aginganalytics.com](http://www.aginganalytics.com)

# Aging Analytics Agency Timeline

**Aging Analytics Agency** has produced dozens of the Longevity Industry Landscape Overviews and Proprietary Analytical Case Studies during the last four years. In April 2021, the agency has presented 100+ Page Report, and Interactive IT Platform Features Detailed Analysis, Comprehensive Commentary & Tangible Benchmarking of UK House of Lords' Science and Technology Select Committee "Ageing: Science, Technology and Healthy Living" Report.



2018

2019

2020

2021

Website: [www.aginganalytics.com](http://www.aginganalytics.com)

# Media About Aging Analytics Agency Activities



READ THE ARTICLE

"**Aging Analytics Agency** is the only analytics entity exclusively focussed on examining and representing healthy ageing and is uniquely positioned to provide MIDAS and key stakeholders within the city region with a detailed analysis of Greater Manchester's longevity landscape including the identification of companies, investors, R&D hubs, academic institutions and industry professionals operating within this field."



READ THE ARTICLE

"According to figures compiled by the **Aging Analytics Agency**, Covid-19 has facilitated the development of not only the biotech capital markets, but the longevity sector in particular, resulting in more than 30% of growth of public companies compared to the previous year."



READ THE ARTICLE

"According to a recent report by **Aging Analytics Agency**, Switzerland has the elements necessary to become a leading Longevity financial hub, including factors such as a lean political system that facilitates rapid implementation of integrated government programs, a strong research environment for geroscience, a strong research and business environment for digital health, and most importantly, international financial prowess."



READ THE ARTICLE

**Aging Analytics Agency's** Report "**Longevity Industry in the UK**" was highlighted in Financial Times. "The one billion retired people globally are a multi-trillion dollar opportunity for business,' said Dmitry Kaminskiy, co-author of the UK Longevity Industry Analytical Case Study."

Website: [www.aginganalytics.com](http://www.aginganalytics.com)

# Aging Analytics Agency: Value Proposition

Aging Analytics Agency is the only specialized analytics agency in the world that focuses exclusively on the emerging Longevity Industry. They are recognized internationally as the premier analytics agency for advanced data analysis, industry reports and next-generation infographics on the topics of Aging and Longevity.

## Aging Analytics Agency is focusing on three key activities:

### Providing Commercial Services

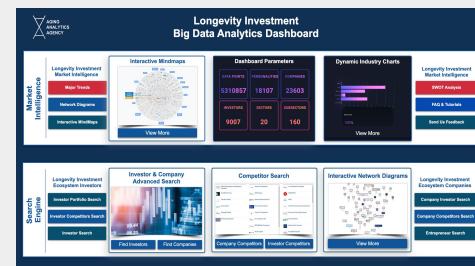
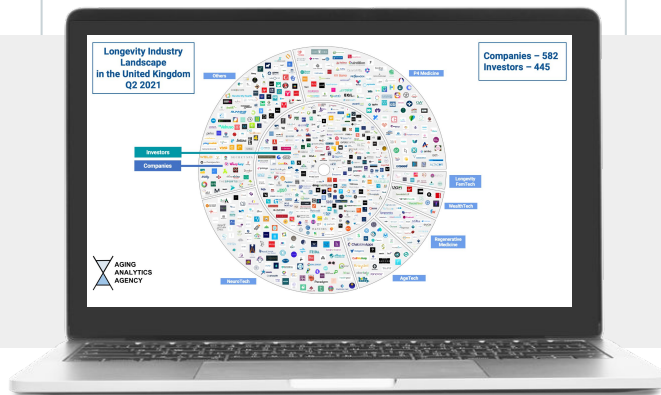
Conducting customised case studies, research and analytics for internal (organizational) use, tailored to the precise needs of specific clients.

### Preparing Open Access Reports

Producing regular open access and proprietary analytical case studies on the emerging topics and trends in the Longevity Industry.

### Building Big Data Analytics Platforms

Offering customised analysis using specialised interactive industry and technology databases, IT-platforms and Big Data Analytics Dashboards.



Website: [www.aginganalytics.com](http://www.aginganalytics.com)

# Longevity Governance Big Data Analytics Dashboard

Market Intelligence

## Longevity Governance Market Intelligence

- Full Analysis
- Interactive Mindmaps
- SWOT Analysis
- Dynamic Charts

## Full Big Data Analysis

Introduction & Big Data Comparative Analysis Framework

Longevity Progressiveness Ranking of 50 Regions

Major Factors Determining Healthy Longevity

Big Data Comparative Analysis: Healthy Longevity in 50 Regions

Current Trends in Life Expectancy and Healthy Longevity

Conclusions and Practical Recommendations

View More

## Dashboard Parameters

DATA POINTS	PARAMETERS	REGIONS
12000	240	50
LAYERS OF FRAMEWORK	DYNAMIC CHARTS	SWOT ANALYSIS PROFILES
6	100	50

## SWOT Analysis



View More

## Longevity Governance Market Intelligence

- Pre-Subscribe for Beta
- COVID-19 Dashboard
- 3D Visualization

Search Engine

## Longevity Governance Search Engine

- Benchmarking Charts
- Major Trends
- Practical Recommendations
- Big Data Framework

## National Healthy Longevity Interactive MindMaps

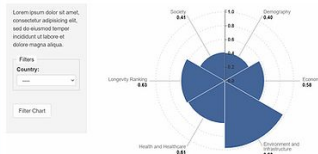


View More

## Longevity Progressiveness 3D Visualization



## Longevity Progressiveness Benchmarking Charts



View More

## Longevity Governance Search Engine

- Health-Adjusted Life Expectancy (HALE) Gap and Life Expectancy
- Health-Adjusted Life Expectancy (HALE) Benchmarking

# Big Data Analytical System Architecture: Longevity Governance Dashboard

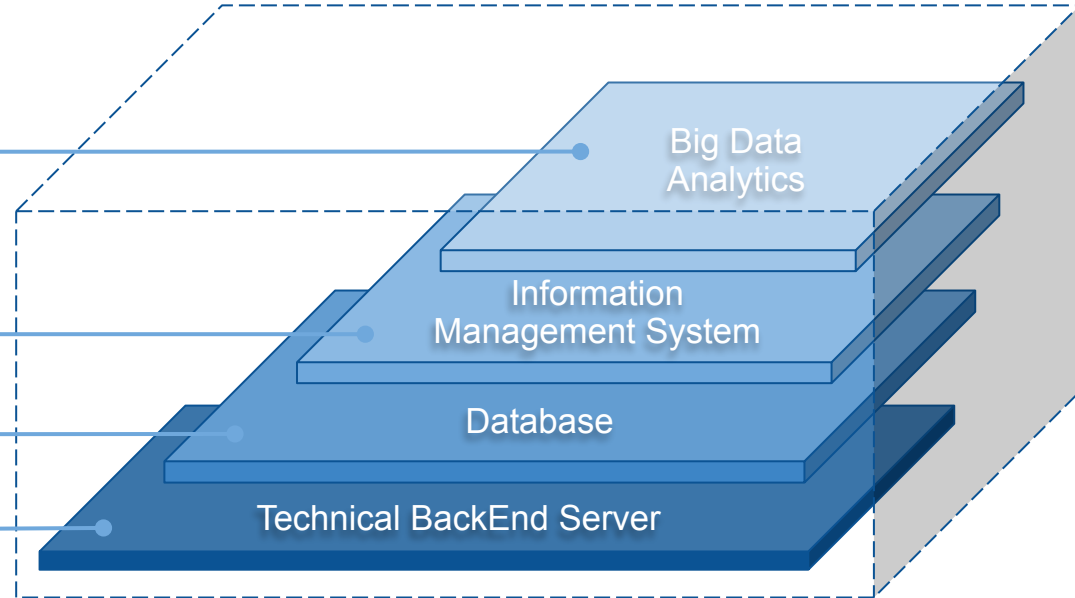
## User Interface / Dashboard



**Healthy Longevity  
(Health-Adjusted Life Expectancy)**

**Ageing Population vs. Advanced  
Biomedicine**

**Longevity Industrial Strategy  
Development**



# Dashboard Parameters

DATA POINTS

12000

PARAMETERS

240

REGIONS

50

LAYERS OF  
FRAMEWORK

6

DYNAMIC  
CHARTS

100

SWOT  
ANALYSIS  
PROFILES

50

- Reinforcement learning for comparative Longevity Policy analysis
- Longevity policy initiative and development plan benchmarking (ranking)
- Semi-automated SWOT analysis on region-specific Longevity governance and policy projects
- Semi-automated Practical recommendations to optimize Longevity policy and governance strategy



# Longevity Governance Dashboard: Major Use Cases

## Government Agencies, Healthcare, Economy & Industrial Development Ministries, & International Policy Organizations

- The Longevity Governance Dashboard delivers access to continuous monitoring of the specific governmental policy activities directly impacting both National Healthy Longevity and Longevity Industrialization, and to consistently track and analyze data points related to government-led Longevity Development initiatives.
- Applies **big data analysis** to identify social policy, healthcare, medical, financial and socioeconomic **factors** with the greatest effect on the **gap** between life expectancy and **Health-Adjusted Life Expectancy (HALE)** for 100 regions.
- Identifies factors and practices behind certain regions' success in maintaining a high degree of **National Healthy Longevity** and a low gap between HALE and Life Expectancy
- Provides **tangible** and **practical recommendations** tuned to the specifics of individual countries, providing the necessary set of tools to allow countries currently leading the international Healthy Longevity race to **maintain** and **improve** their current standing.
- Features region-specific **recommendation packs** to enable governments currently lagging behind others to reduce their HALE gap and improve their comparative global standing, transforming the deficit and challenge of the silver tsunami into the **asset** and **opportunity** of Healthy Longevity for the mutual benefit of their citizens and their economy.

<b>Longevity Governance</b>	<b>Recommendation Packs</b>	<b>Industrial Strategies</b>	<b>Precision Health</b>
	<b>Advanced IT-Solutions</b>	<b>Analytics &amp; Benchmarking</b>	<b>Modernization</b>

# Major Topics of Analysis and Areas of Practical Recommendations

The Longevity Governance Dashboard applies big data analysis to identify social policy, healthcare, medical, financial and socioeconomic factors having the greatest effect on the gap between life expectancy at birth and Health-Adjusted Life Expectancy (HALE) for 100 regions.

Many governments are putting policies on Longevity at the center of their growth strategies and budget planning, while others lag behind. Identifying the factors and practices behind certain regions' success is critical to enabling national governments and interactional policy organizations to formulate and implement policies and development strategies capable of transforming the challenge of ageing population into the opportunity of Longevity.

The dashboard utilizes the results of its analysis to offer **tangible and practical recommendations** tuned to the **specifics** of individual countries and territories, providing the necessary set of tools to allow regions currently leading the international Healthy Longevity race to maintain and improve their current standing, and to allow countries currently lagging behind others to improve their comparative global standing, enabling inflection points within the opposed megatrends of Ageing Population and Advanced Biomedicine to be leveraged to enable economic growth and increases in quality of life.

## Key Topics for Analysis and Practical Recommendations

- What specific features of healthcare systems, socio-economic conditions, environmental factors affect public health the most?
- How does the impact of such factors differ across countries?
- What constellation of factors contributes the most to Healthy Longevity?
- Which factors are the main drivers of health-adjusted life expectancy and disability-adjusted life years?
- What countries are leaders in Longevity governance?
- Why do disproportionate healthcare expenditures in the United States contribute to poor healthcare system performance and a decline in overall life expectancy in recent years?
- Why is the healthcare system in Singapore considered as one of the most efficient in the world?
- What can be done to improve National Healthy Longevity in each country globally?

# Longevity Governance Dashboard BigData Analytics Framework

## Data Collection

- 100 regions
- 200 parameters per region
- 20,000 parameters in total

## Data Cleaning

Aggregation  
of data by 5  
dimensions

- Economic conditions
- Demography
- Health care and Longevity
- Environment
- Social factors

## Model Creation

- Factor analysis of LE-HALE gap determinants (multiple regression)
- Analysis of variance of major longevity parameters across groups of countries (ANOVA)
- Defining leading countries in longevity governance (ranking)
- Estimation of relationships between metrics (intraclass correlation)
- Assessment of effectiveness of healthcare systems

## Model Validation

- Hypothesis testing
- Sensitivity analysis

## Development of Recommendations

- Incorporation results of research in practical region-specific and department-specific recommendations

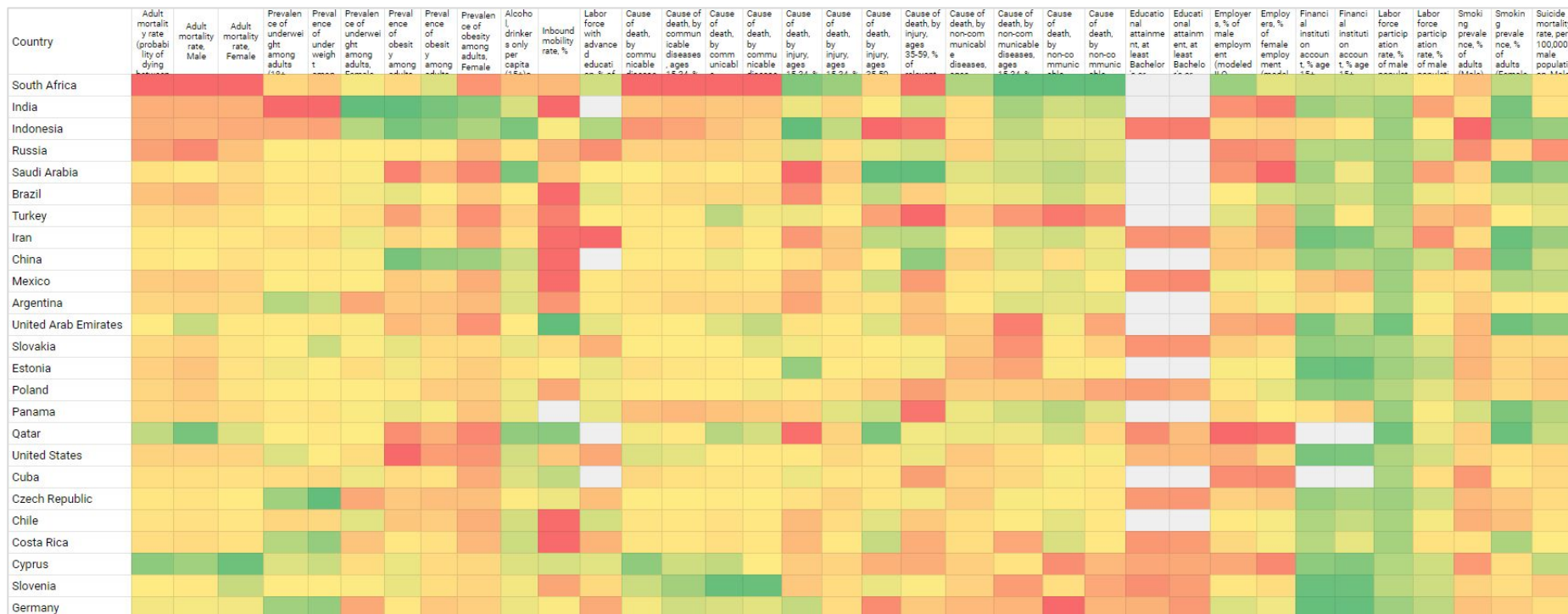
# Longevity Governance Dashboard: Regional Specification

50 Regions were analysed of levels of their Longevity Progressiveness and presented in Global Longevity Governance Landscape report as well as they will appear in Longevity Governance Dashboard.

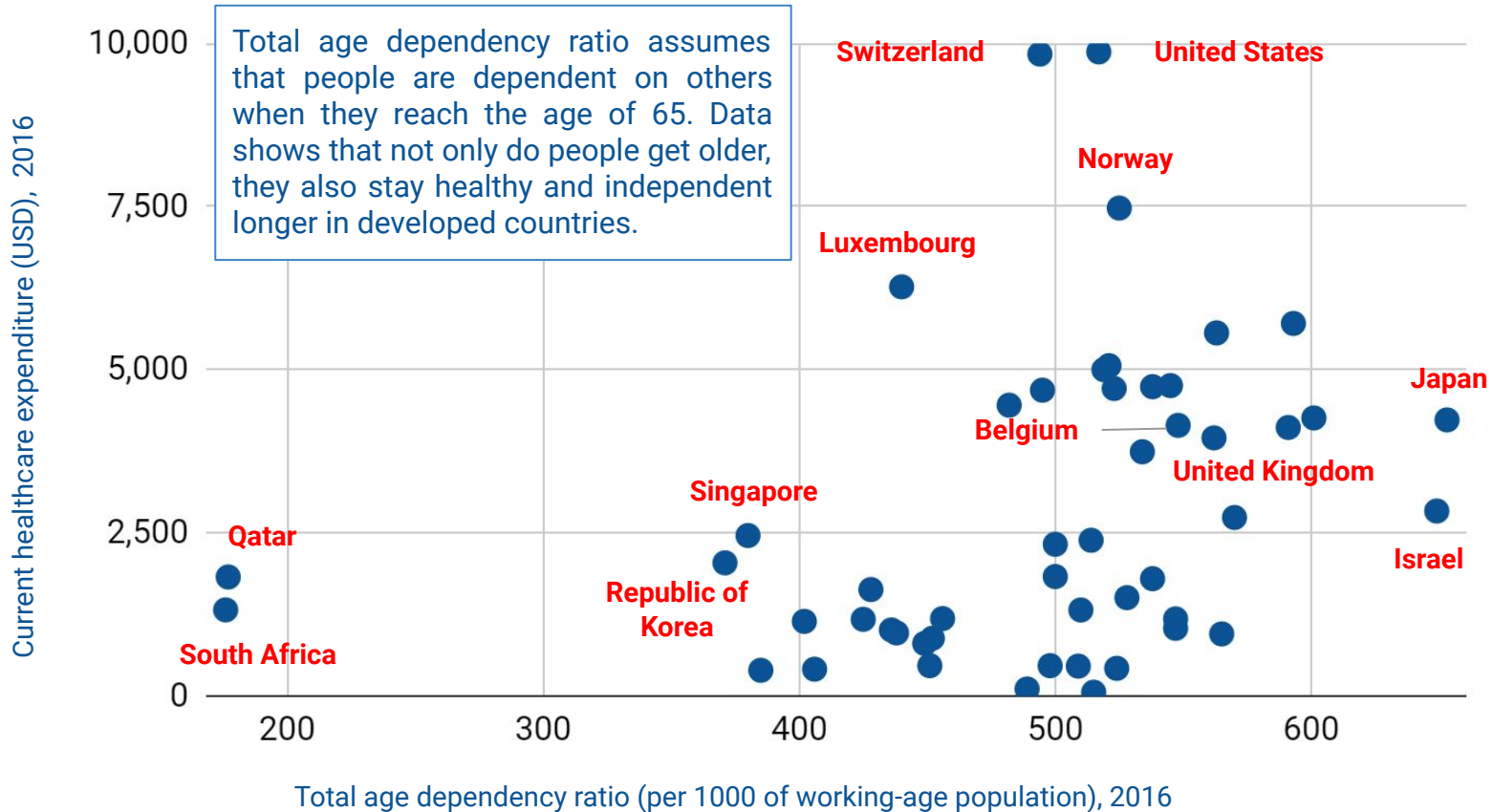
1	Argentina	13	Estonia	26	Japan	39	Saudi Arabia
2	Australia	14	Finland	27	Luxembourg	40	Singapore
3	Austria	15	France	28	Malta	41	Slovakia
4	Belgium	16	Germany	29	Mexico	42	Slovenia
5	Brazil	17	Greece	30	Netherlands	43	South Africa
6	Canda	18	Hong-Kong, SAR	31	New Zealand	44	Spain
7	Chile	19	Iceland	32	Norway	45	Sweden
8	China	20	India	33	Panama	46	Switzerland
9	Costa Rica	21	Indonesia	34	Poland	47	Turkey
10	Cuba	22	Iran	35	Portugal	48	United Arab Emirates
11	Czech Republic	23	Ireland	36	Qatar	49	United Kingdom
12	Denmark	24	Israel	37	Republic of Korea	50	United States of America
		25	Italy	38	Russian Federation		

# Longevity Governance Dashboard Prototype

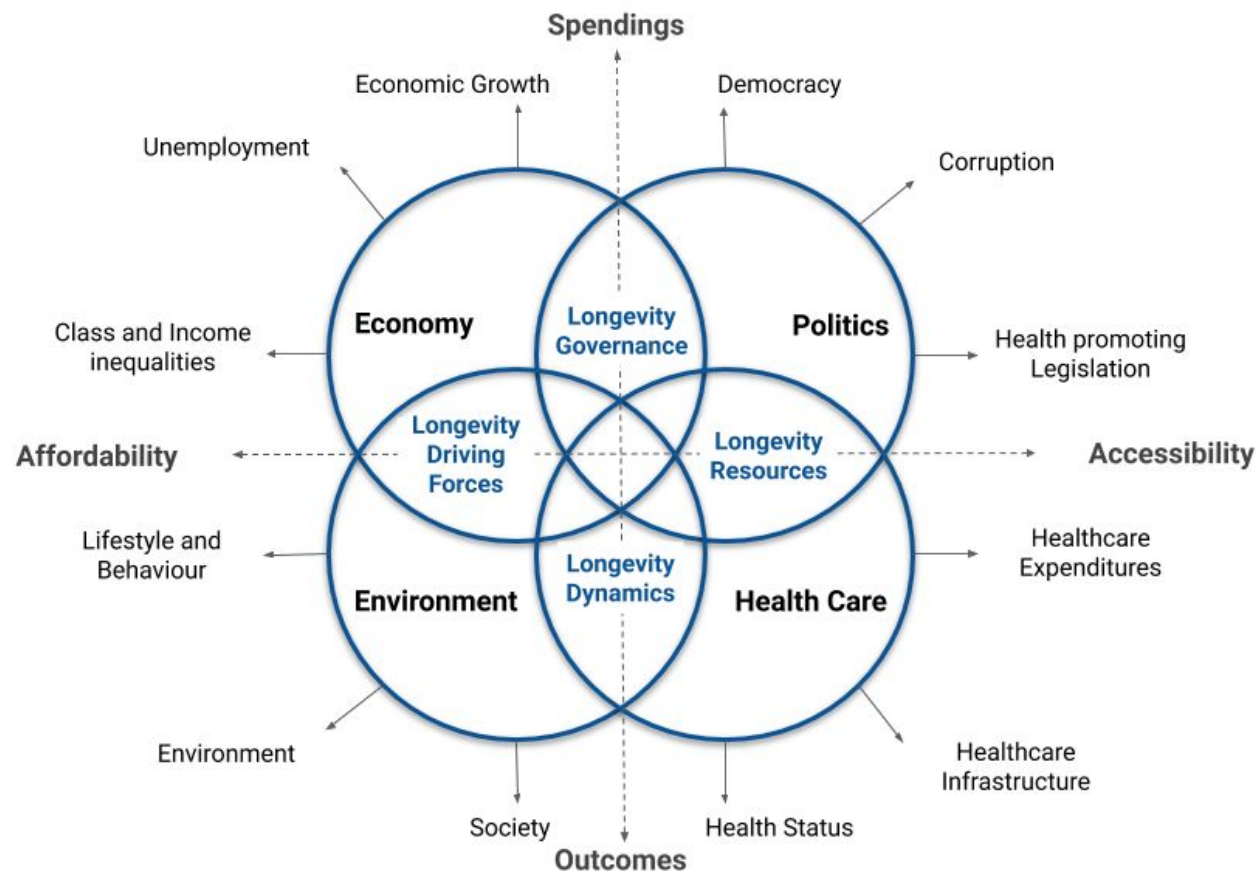
To derive the interconnection between metrics and classify countries into groups, patterns recognition is based on a comparison of 200 parameters across regions according to their distribution and variation.



# Analytics Example: Ageing Population vs. Healthcare Expenditure



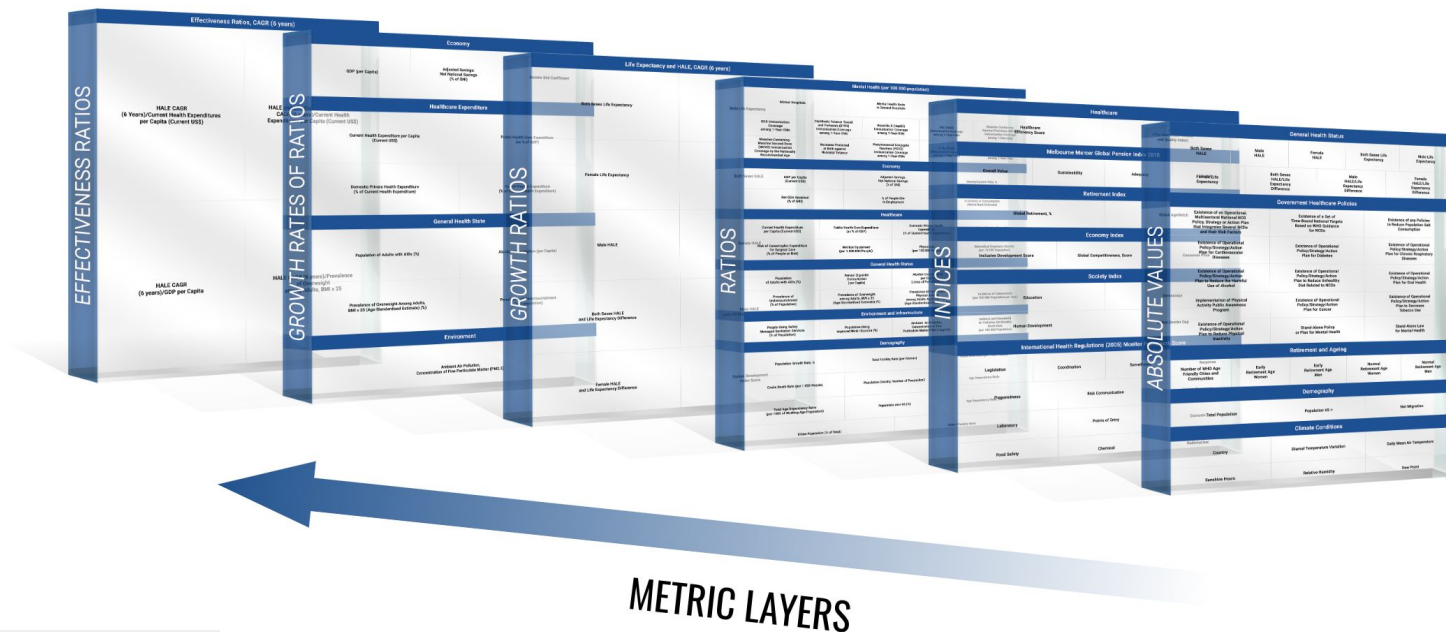
# Global Longevity Governance: Big Data Analysis of 50 Countries



Longevity progressiveness is important for driving economic progress and competitiveness – both for developed and developing economies. Healthy Longevity is affected by many groups of factors such as: socioeconomic status, demography, income, wellbeing, the quality of the health system and the ability of people to access it, health behaviours such as tobacco and excessive alcohol consumption, poor nutrition and lack of exercise, social factors, genetic factors and environmental factors including overcrowded housing, lack of clean drinking water and adequate sanitation. Longevity progressiveness should be based on four pillars. They are good health outcomes, cost-efficiency, affordability of healthcare treatment for the population and widest possible access to services and products.

# Global Healthy Longevity 6 Layer Analytical Framework

The previous **“Global Longevity Governance Landscape: 50 Countries Big Data Comparative Analysis of Longevity Progressiveness”** special analytical case study used 200 parameters that were divided into 6 layers which differ based on the nature of the parameters they consist of. Effectiveness ratios are derived metrics from absolute values and ratios. Effectiveness ratio indicates how effective longevity governance has been in using financial resources to generate an acceptable increase in health-adjusted life expectancy and improvement of the quality of life. All 200 parameters will be enabled in Longevity Governance Dashboard to provide the full scope of system’s features.

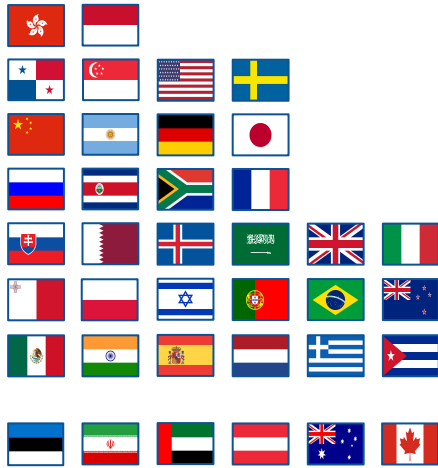




# Global Longevity Governance: Big Data Analysis of 50 Countries

Aging Analytics Agency's Global Longevity Governance analytical case study utilized Big Data comparative analytical case study to identify the factors, patterns, relationships, parameters and *parameter correlations* that determine the levels of Longevity progressiveness across countries of different levels of economic development and income groups.

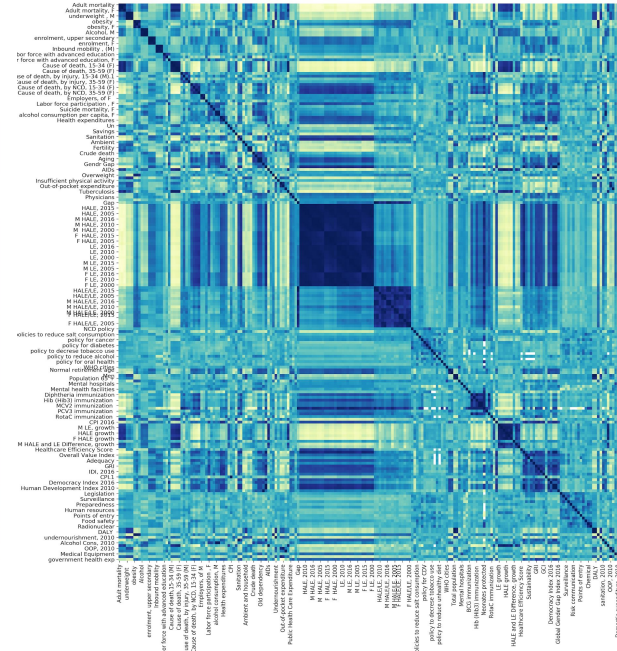
## 50 Countries



## 6 Layers and 200 Parameters

Cause of death, 15-34 (M)	Improved Water	government health exp	Female HALE growth	Human Development Index 2010	Domestic health expenditure	undernourishm... IDI, 2016	Adequacy	Female LE, 2016	Male HALE growth	Female LE, 2015
Health Status	Environment and Infrastructure	Healthcare	Healthcare	Human Capital	Healthcare	Life Style	Human Capital	Healthcare	Demography	Healthcare
Tuberculosis	HIV (HbS) Immunization	Female LE, growth	Male LE, 2005	Female LE, 2000	obesity	Male LE, growth	Public Health Care Expenditures	Health expenditures	Normal retirement age Women	Male LE, 2000
Cause of death, 15-34 (F)	Healthcare	Healthcare	Demography	Demography	Life Style	Healthcare	Healthcare	Economy	Demography	Health Status
Health Status	Cause of death, by NCD, 35-59 (F)	LE, 2015	AIDS	PCV3 Immunization	Overall Value Index	Points of entry	Healthcare	Healthcare	Healthcare	Health Status
Health Status	HALE growth	LE, 2005	Health Status	Education Index	CPI	Male HALE, 2010	Surveillance	Female HALE, 2016	Out-of-pocket expenditures	Old dependency
Cause of death, 35-59 (M)	Healthcare	Demography	Healthcare	Normal retirement age Men	Male HALE, 2010	HALE, 2000	Population 65+	Female HALE, 2016	Health Status	Health Status
Health Status	Adult mortality	Adult mortality, M	Healthcare	Health Status	Health Status	Health Status	Health Status	Health Status	Health Status	Life Style
Cause of death, 35-59 (F)	Health Status	Health Status	Health Status	GRI	HALE, 2005	Ageing	one	Female HALE, 2016	Policy for cancer health Policy	GDP
Health Status	Male LE, 2010	Human Development	HAQ (The Healthcare Access and Quality Index) 2016	Human Capital	Female HALE, 2010	Obesity, F	Labor force with advanced education	Cause of death, by injury, 15-34 (M)	Physicians	Prepara... Risk
Obesity, M	Demography	Human Capital	Healthcare	Health Status	Life Style	Life Style	Case of death, by injury, 35-59 (M)	DALY	Health Status	Healthcare
Life Style	Health Status	Human Capital	Healthcare	Healthcare	Healthcare	Healthcare	DALY	Health Status	Healthcare	Healthcare
Adult mortality, F	Healthcare	Health Status	Healthcare	Healthcare	Healthcare	Healthcare	Healthcare	Healthcare	Healthcare	Healthcare
Life Style	Healthcare	Health Status	Life Style	Health Status	Health Status	Health Status	Health Status	Health Status	Health Status	Health Status
GAJ	Healthcare	Health Status	Life Style	Health Status	Health Status	Health Status	Health Status	Health Status	Health Status	Health Status
Human Capital	Healthcare	Life Style	Demography	Environment and Infrastructure	Healthcare	Health Status	Health Status	Health Status	Health Status	Health Status

## Correlations Between Parameters



# Longevity Banking Card

# Longevity Card



UK IBAN



MULTI CURRENCY  
ACCOUNTS



DEBIT CARD



MONEY  
TRANSFERS



CASH LOAD



LONGEVITY  
MARKETPLACE



PERKS



FAST  
SIGN UP



REAL-TIME  
NOTIFICATIONS



TRAVEL  
INSURANCE



BUSINESS  
ACCOUNTS



24/7 SUPPORT

# LONGEVITY CARD | VIDEOS

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A video thumbnail featuring a dark background with a large, intricate, blue and purple fractal-like pattern resembling a snowflake or a complex biological structure. The text "Meet Longevity Card" is centered in white.

Meet Longevity Card

[CLICK TO WATCH THE VIDEO](#)



[CLICK TO WATCH THE VIDEO](#)

# Longevity Card: Marketplace

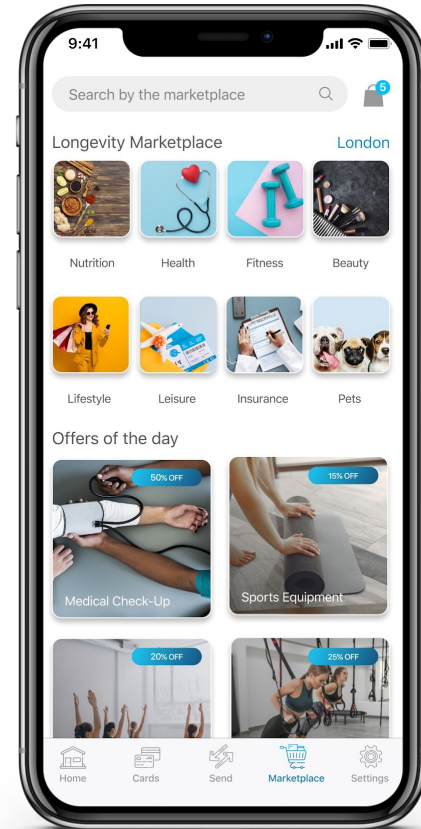
FITNESS &  
WELLNESS

HEALTHCARE

BEAUTY &  
COSMETICS

HEALTH & TRAVEL  
INSURANCE

WELLNESS TOURISM  
& SPA



HEALTHY LIFESTYLE

PRIVATE CLINICS

MEDICAL  
CHECK-UPS

HEALTHY  
NUTRITION & FOOD

PET CARE

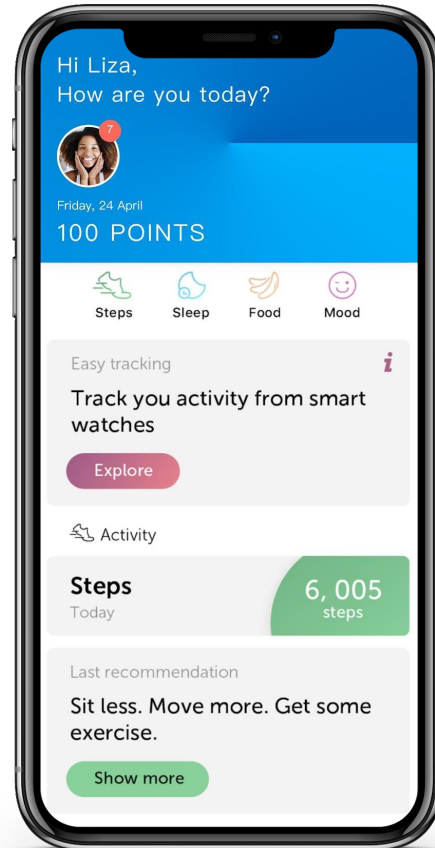
# Longevity Card: Healthtech Integration

HEALTHSPAN  
AND FITNESS  
GAMIFICATION

LONGEVITY  
POINTS

DAILY ACTIVITY  
ANALYSIS

SLEEP  
ANALYSIS



AI POWERED  
PERSONALISED  
RECOMMENDATIONS

WEARABLES  
COMPATIBLE

LONGEVITY  
STORIES

NUTRIENT  
TRACKING



[READ THE ARTICLE](#)

"Pioneers of the new world: Your winners. After a wave of nominations from our readers, we have selected over 80 European founders and companies shaping the post-pandemic world."

## FINTECH FUTURES

[READ THE ARTICLE](#)

"Longevity Card users can also earn 'Longevity Points' by tracking their daily activity and nutrition through the app, which the fintech will do through an artificial intelligence (AI) healthtech integration. They can then spend these on products within the marketplace ecosystem."



[READ THE ARTICLE](#)

"Currently Longevity Card is in the process of creating a focus group of 70+ aged people, which will be responsible for making the seamless user journey for the Seniors."



[READ THE ARTICLE](#)

"Longevity Card aims to make users' mobile banking experience more convenient and intuitive for all ages. It will offer Healthtech and Agetech services that include financial products designed specifically for people who may live live extra long lives and would like to remain high functioning and financially independent."



[READ THE ARTICLE](#)

"Longevity Card is part of a project that will transform traditional banking into the health- and longevity- focused generation of financial services."

## VERDICT

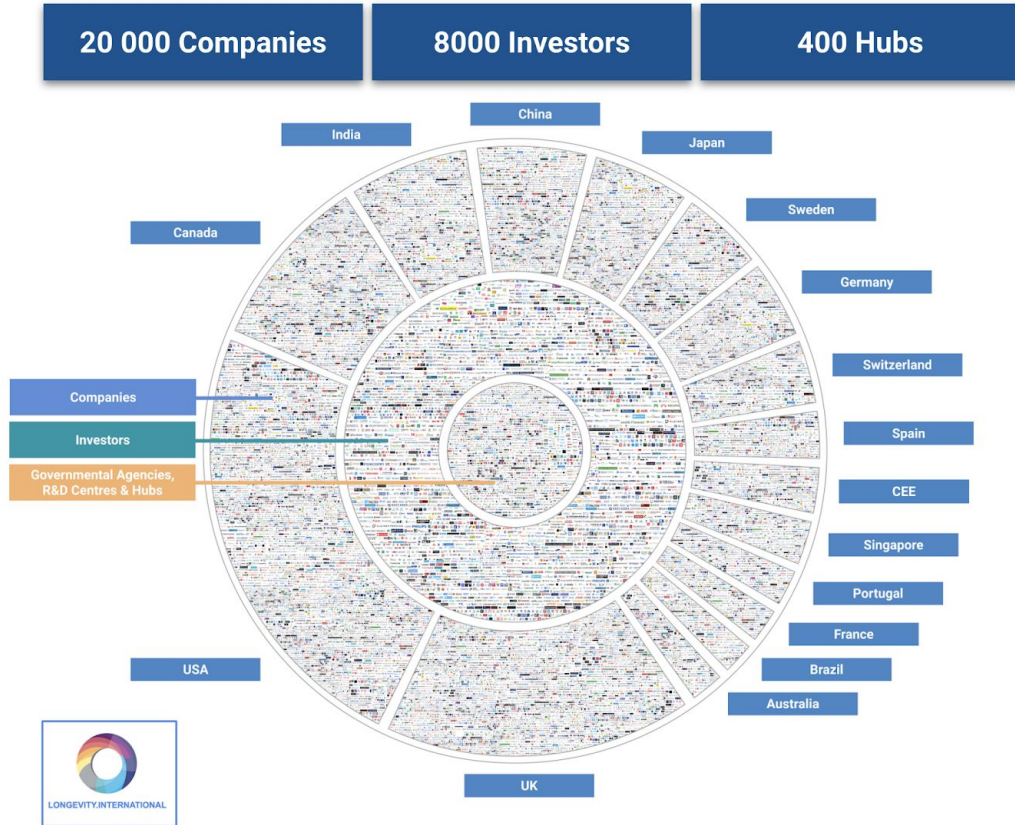
[READ THE ARTICLE](#)

"There has never been more emphasis on physical fitness: every day there seems to be a new workout or meal plan designed to get us into shape. But what if there were also a financial incentive? Meet Longevity Card, which combines maintaining a healthy lifestyle with money management."

# **Aging Analytics Agency General Overview & History**



# Global Longevity Ecosystem 2021



USA	UK
Canada	India
Japan	China
Sweden	Germany
Switzerland	Spain
CEE*	Singapore
Portugal	France
Brazil	Australia
Gulf Region	EU

[www.longevity.international](http://www.longevity.international)

\* – Central and Eastern Europe

# Global Longevity Ecosystem - 20 000 Companies by Sectors



## Geroscience



## Longevity WealthTech



## Space Medicine



## Deep Diagnostics



## Longevity Biomarkers



## FinTech



## Longevity FemTech



## Regenerative Medicine



## AI for Longevity



## InsurTech



## Advanced Cosmetics



## Longevity Gene Therapy



## NeuroTech



## AgeTech



## Clinical Data Management



## P4 Medicine

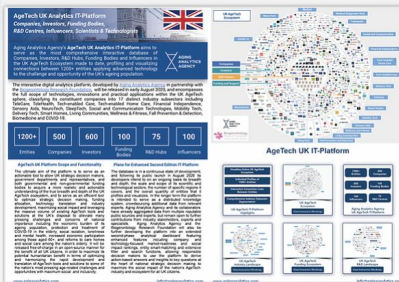


# AgeTech UK IT-Platform

## UK AgeTech IT-Platform Highlights:

- Visualizes Entire UK AgeTech Ecosystem
- Individual Profiles of 1200+ Entities
- Interactive Connection Lines Between Entities
- Comprehensive Industry Subsector Segmentation

## UK AgeTech IT-Platform



One Pager

Teaser

1200+ Entities

500 Companies

600 Investors

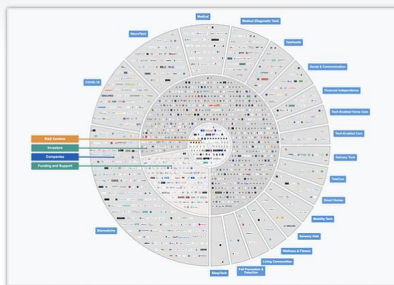
100 Funding Bodies

100 Influencers

75 R&D Centres

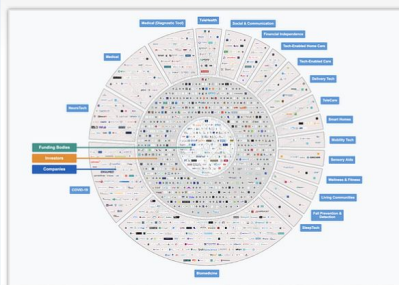
Aging Analytics Agency  
UK AgeTech IT-Platform

## UK AgeTech Ecosystem



View Interactive Mindmap

## UK AgeTech Industry Landscape



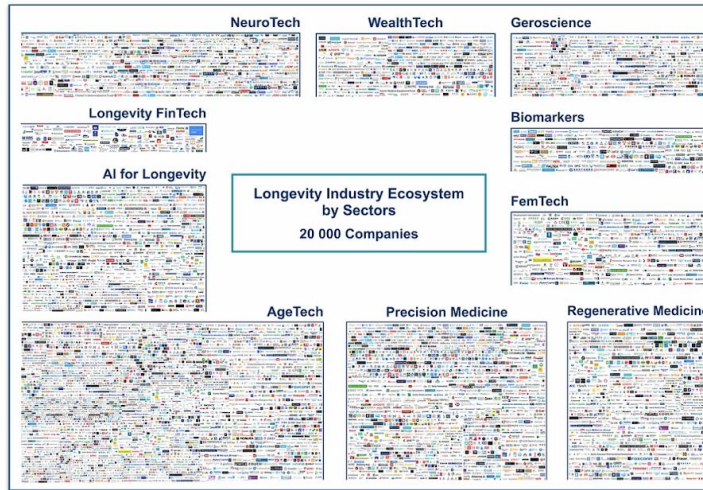
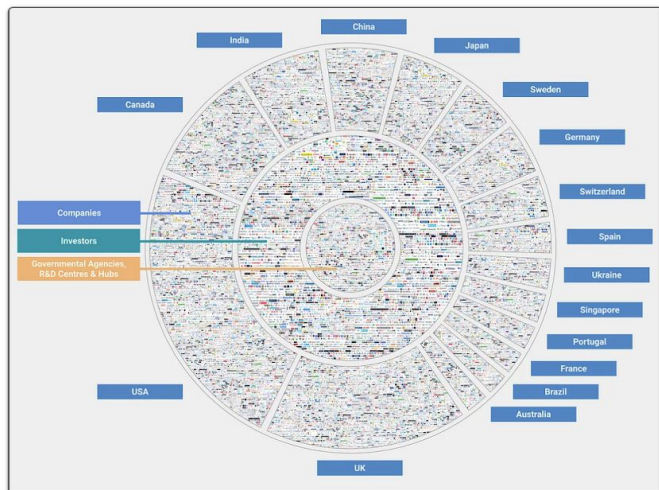
View Interactive Mindmap

## UK AgeTech Investors



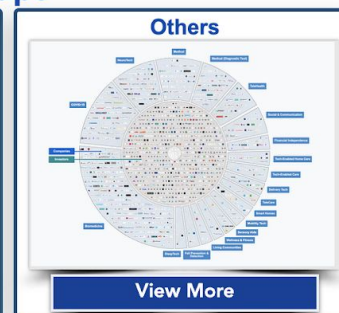
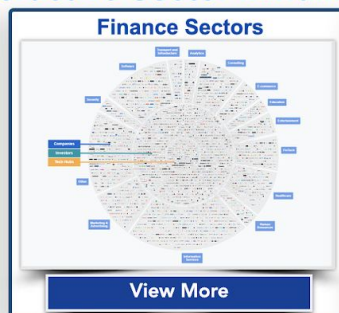
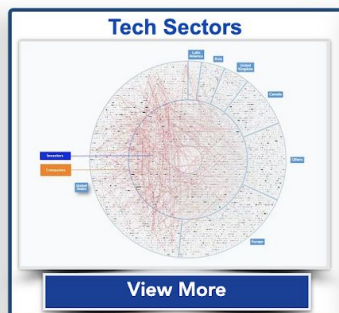
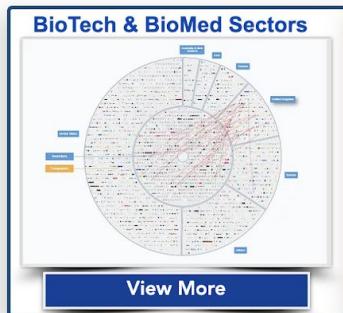
View Interactive Mindmap

## Longevity Ecosystem Dashboard

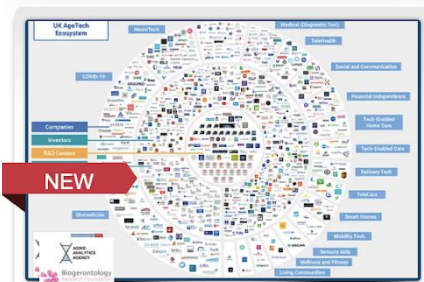


- WealthTech
- Geroscience
- NeuroTech
- FemTech
- Biomarker
- Precision Medicine
- AgeTech
- AI for Longevity

## Interactive Sector MindMaps



- Longevity Ecosystem by Regions
- North America
- Asia
- Europe
- MENA



**NEW**

**UK AgeTech Analytics  
IT-Platform**

**COMING SOON**



**NEW**

**1000 Longevity Leaders**

**Research and Academia / Finance /  
Business / Investors / Influencers**

**DOWNLOAD REPORT**



**NEW**

**Longevity in Gulf Region  
Landscape Overview**

**DOWNLOAD REPORT**



**NATIONAL LONGEVITY DEVELOPMENT PLANS:  
GLOBAL OVERVIEW 2019 (First Edition)**

**National Longevity Development  
Plans: Global Overview 2019**

**DOWNLOAD REPORT**



**Top-50 Women  
Longevity Leaders**

**DOWNLOAD REPORT**



**Longevity Industry in Singapore  
LANDSCAPE OVERVIEW**

**Longevity Industry in Singapore  
Landscape Overview 2019**

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**Longevity Industry in UK  
LANDSCAPE OVERVIEW Q4 2018**

**Longevity Industry in UK  
Landscape Overview 2018  
Second Edition**

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**Longevity Industry  
in Switzerland  
LANDSCAPE OVERVIEW 2019**

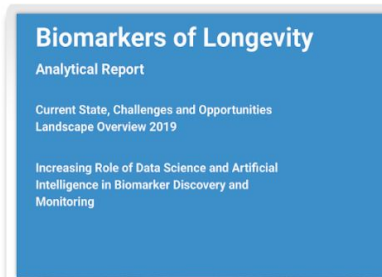
**Longevity Industry in Switzerland:  
Landscape Overview 2019**

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## Supercentenarians Landscape Overview

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## Biomarkers of Longevity Landscape Overview 2019

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## Longevity Policy Proposals

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## Metabesity and Longevity: USA Special Case Study

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## Global Longevity Governance Landscape Overview

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## Advancing Financial Industry Longevity / AgeTech / WealthTech

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## Top-30 Longevity Conferences

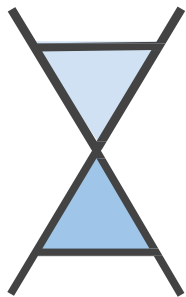
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## Longevity Industry in California Landscape Overview 2019

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# About Aging Analytics Agency



## AGING ANALYTICS AGENCY

**Aging Analytics Agency** is primarily interested in strategic collaboration with international corporations, organizations, and governments in Longevity-related projects and initiatives.

**Aging Analytics Agency** is open to cooperation with strategic clients via a variety of approaches, including:

- Conducting customised case studies, research and analytics for internal (organizational) use, tailored to the precise needs of specific clients.
- Producing open-access analytical reports.
- Offering customised analysis using specialised interactive industry and technology databases and IT-Platforms.

In certain specific cases, if it meets our interests, Aging Analytics Agency is open to co-sponsoring research and analytics for the production of internal and open-access industry reports, as well as special case studies for a variety of governmental, international, and corporate clients. Their topics of interest may include Longevity, the Longevity Financial Industry, Longevity Policy and Governance, and the development and execution of fully-integrated National Healthy Longevity Development Plans tailored to the specific needs of national governments and economies.



# AGING ANALYTICS AGENCY

**E-mail: [info@aginganalytics.com](mailto:info@aginganalytics.com)**

**Website: [www.aginganalytics.com](http://www.aginganalytics.com)**

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