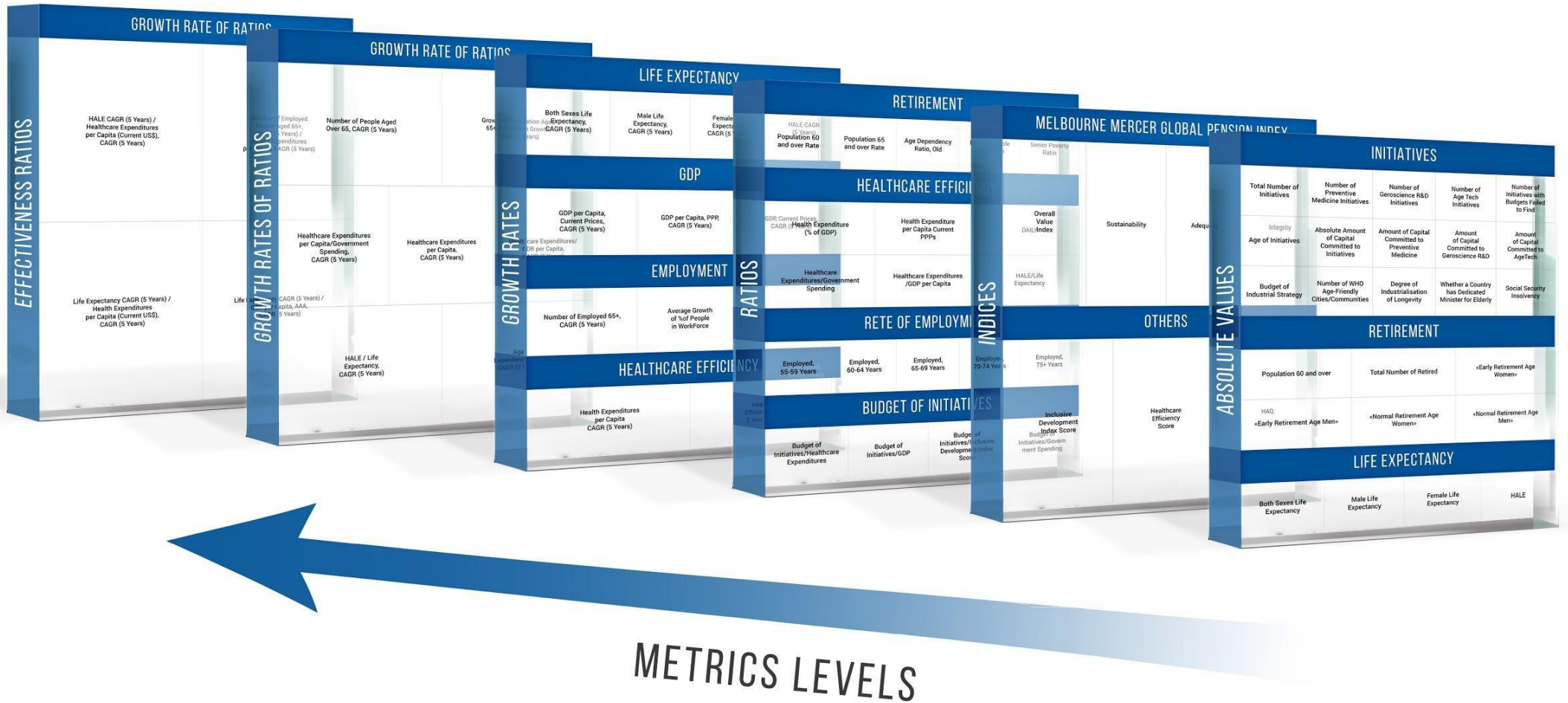


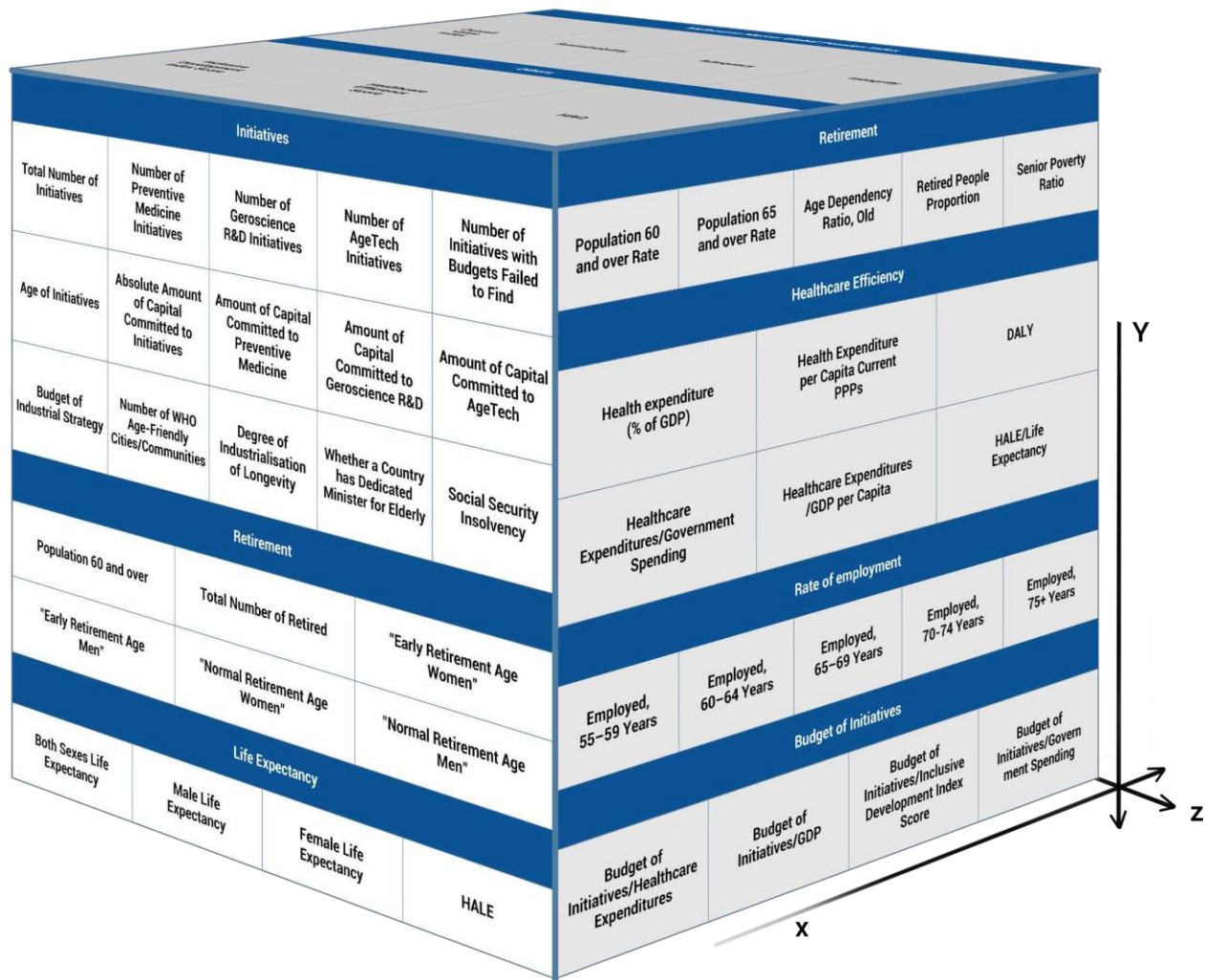


# Government Longevity Related Projects and Initiatives Analytical Framework





# Government Longevity-Related Projects and Initiatives Analytical Framework



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.

The whole metrics can also be subdivided into 2 categories based on the logic of the parameters, namely:

- Indicators of potential (or lack thereof);
- Indicators of actual success (or lack thereof).

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.



# Government Longevity Related Projects and Initiatives Analytical 3-Dimensional Framework



Absolute values are enhanced by relative ones, and the use of both in combination enables a clearer understanding of interconnections between the parameters and provides the opportunity to investigate the relative roles of different factors in the overall country ranking process.

Each level of metrics is based upon the extension, further subdivision or comparative combination of the previous of the metrics in the preceding level, or is derived from insights provided by them.

The research is based on open source data and information given by WHO, OECD, The World Bank, and different institutions of each specific country.

All budget data is compared in US\$ translated by the change rate of the starting year of the initiative without inflation taken into account.

## Government Longevity National Development Plans: Analytic Framework Metrics

You can review this framework in a bigger scale by this link -

[Aging Analytics Agency Approach and Methodology.](#)



The metrics used in this report's proprietary analysis are divided into 6 levels, according to their complexity and importance:

- 1<sup>st</sup> level – **absolute values** – primary values of analysed parameters, both economic and health-related;
- 2<sup>nd</sup> level – **indexes** – includes Inclusive Development Index (IDI), Healthcare Indexes and Melbourne Mercer Global Pension Index.
- 3<sup>rd</sup> level – **ratios** – includes ratios in 4 main categories: Retirement, Healthcare efficiency, Life Expectancy and Budget of initiatives;
- 4<sup>th</sup> level – **growth rate of the values**– calculated compound annual growth rates of five to six years for the used indexes;
- 5<sup>th</sup> level - **growth rate of ratios** - compound annual growth rates of Ageing Population, Healthy Life Expectancy and Healthcare Expenditures;
- 6<sup>th</sup> level - **effectiveness ratios** - ratios that use growth rates of parameters to analyse cost-effectiveness of expenditures on healthcare.

Total Number of Initiatives	The metrics used in this report's proprietary analysis are divided into 6 levels, according to their complexity and importance:														
Number of Preventive Medicine Initiatives	1 <sup>st</sup> level – <b>absolute values</b> – primary values of analysed parameters, both economic and health-related;														
Number of AgeTech Initiatives	2 <sup>nd</sup> level – <b>indexes</b> – includes Inclusive Development Index (IDI), Healthcare Indexes and Melbourne Mercer Global Pension Index.														
Number of Initiatives with Closed Budgets	3 <sup>rd</sup> level – <b>ratios</b> – includes ratios in 4 main categories: Retirement, Healthcare efficiency, Life Expectancy and Budget of initiatives;														
Degree of Industrialisation of Longevity	4 <sup>th</sup> level – <b>growth rate of the values</b> – calculated compound annual growth rates of five to six years for the used indexes;														
Age of Initiatives	5 <sup>th</sup> level - <b>growth rate of ratios</b> - compound annual growth rates of Ageing Population, Healthy Life Expectancy and Healthcare Expenditures;														
Social Security Insolvency	6 <sup>th</sup> level - <b>effectiveness ratios</b> - ratios that use growth rates of parameters to analyse cost-effectiveness of expenditures on healthcare.														
Budget of Industrial Strategy															
Amount of Capital Committed to AgeTech	Normal Retirement Age Men					HALE/Life Expectancy									Age Dependency Ratio, CAGR (5 Years)
Amount of Capital Committed to Geroscience R&D	Normal Retirement Age Women				Senior Poverty Ratio	DALY	Employed, 75+ Years								HALE / Life Expectancy, CAGR (5 Years)
Absolute Amount of Capital Committed to Initiatives	Early Retirement Age Men	HALE	Integrity		Retired People Proportion	Healthcare Expenditure /GDP per Capita	Employed, 70-74 Years	Budget of Initiatives/ Government Spending				HALE CAGR (5 Years)	Healthcare Expenditure per Capita, CAGR (5 Years)	Life Expectancy CAGR (5 Years)/GDP per Capita, CAGR (5 Years)	
Amount of Capital Committed to Preventive Medicine	Early Retirement Age Women	Female Life Expectancy	Adequacy	HAQ	Age Dependency Ratio, Old	Healthcare Expenditure/Government Spending	Employed, 65-69 Years	Budget of Initiatives/GDP		GDP, Current Prices, CAGR (5 Years)	Rate of Population Aging (65+ Years)	Female Life Expectancy, CAGR (5 Years)	Healthcare Expenditure per Capita / Government Spending, CAGR (5 Years)	Life Expectancy CAGR (5 Years) / Health Expenditure per Capita (Current US\$), CAGR (5 Years)	
Whether a Country has Dedicated Minister for Elderly	Total Number of Retired	Male Life Expectancy	Sustainability	Inclusive Development Index Score	Population 65 and over Rate	Health Expenditure per Capita Current PPPs	Employed, 60-64 Years	Budget of Initiatives/ Inclusive Development Index Score	Healthcare Efficiency Score, 5 Years Growth	GDP per Capita, PPP, CAGR (5 Years)	Average Growth of % of People in Workforce	Male Life Expectancy, CAGR (5 Years)	Growth of Population Aged 65+ / Population Growth, CAGR (5 Years)	Employed People Aged 65+ (5 Years) / Health Expenditure per Capita, CAGR (5 Years)	
Number of WHO Age-Friendly Cities/ Communities	Population 60 and Over	Both Sexes Life Expectancy	Overall Value Index	Healthcare Efficiency Score	Population 60 and over Rate	Health expenditure (% of GDP)	Employed, 55-59 Years	Budget of Initiatives/ Healthcare Expenditure	Health Expenditure per Capita, CAGR (5 Years)	GDP per Capita, Current Prices, CAGR (5 Years)	Number of Employed 65+, CAGR (5 Years)	Both Sexes Life Expectancy, CAGR (5 Years)	Number of People Aged Over 65, CAGR (5 Years)	HALE CAGR (5 Years) / Health Expenditure per Capita (Current US\$), CAGR (5 Years)	
Initiatives	Retirement	Life Expectancy	Melbourne Mercer Global Pension Index	Others	Retirement	Healthcare Efficiency	Rate of employment	Budget of Initiatives	Healthcare Efficiency	GDP	Employment	Life Expectancy	Growth Rate of Ratios	Effectiveness ratios	
1st Level			2nd Level		3rd Level				4th Level			5th Level		6th Level	



# Scale and Scope of Government Longevity Development Plans

Some government programs are more integrated than others, some showing more leadership than others in the industrialization of longevity. In this respect, the examples in this document fall into 3 main categories: **independent or municipal programs**, one plan per project (ad hoc) or per city, **national or metropolitan master plans** which bring together multiple sectors of government, and **industrial strategies** which include the use of research and development in pursuit of future economic dividends of Longevity. The next step is the **Longevity Industry Strategy**.

