

Longevity Governance Index Framework

Demography

Indicator groups	Features	Description
Population Dynamics	Total Population	Based on the de facto definition of population, which counts all residents regardless of legal status or citizenship. The values shown are mid-year estimates.
	Net Migration	The net total of migrants during the period, that is, the total number of immigrants less the annual number of emigrants, including both citizens and noncitizens. Data are 5-year estimates.
	Population Growth Rate (%)	The annual average rate of change of population size for a given country, territory, or geographic area during a the specified period.
	Total Fertility Rate (per Woman)	A measure of the fertility of an imaginary woman who passes through her reproductive life subject to all the age-specific fertility rates for ages 15-49 that were recorded for a given population in a given year.
	Crude Birth Rate (per 1,000 People)	Indicates the number of live births per 1,000 mid-year population.
	Crude Death Rate (per 1,000 People)	The crude death rate is calculated as the number of deaths in a given period divided by the population exposed to risk of death in that period.
	Population Density	The number of people living in an area per square kilometre.
	Urban Population (% of Total)	Urban population refers to people living in urban areas as defined by national statistical offices.
Population ageing	Population ages 0-14 (% of total population)	Population between the ages 0 to 14 as a percentage of the total population. Population is based on the de facto definition of population.
	Population over 65 (%)	Population over the age 65 as a percentage of the total population.
	Age Dependency Ratio	The ratio of the number of people older than 64 relative to the number of people in the working-age population (15-64 years). Data are shown as the number of dependents per 100 working-age population.

Longevity Governance Index Framework

Demography

Indicator groups	Features	Description
Population Ageing	Age Dependency Ratio, Old	The ratio of the number of people older than 64 relative to the number of people in the working-age population (15-64 years). Data are shown as the number of dependents per 100 working-age population.
	Age Watch Index	The Global AgeWatch Index ranks countries by how well their older populations are faring.
Retirement	Normal Retirement Age Women (old est)	The age when you can retire and draw full Social Security benefits, based on a full career after labour market for women.
	Normal Retirement Age Men	The age when you can retire and draw full Social Security benefits, based on a full career after labour market for men.
	Social pension in US\$	Stream of payments from state to an individual that starts when someone retires and continues in payment until death.
	Benefit in PPP\$	Shows how much the benefit is worth in US\$ PPP. It is calculated by dividing the amount of the benefit in local currency the the PPP\$ conversion rate (local currency, current prices).
Pension System Index	System Overall index value	The Mercer CFA Institute Global Pension Index uses three subindices: adequacy, sustainability, and integrity – to measure each retirement income system against more than 50 indicators.
	Adequacy	Subindex represents the benefits that are being provided together with some important system design features.
	Sustainability	Has a focus on the future and measures various indicators which will influence the likelihood that the current system is able to provide benefits in the future.
	Integrity	Subindex includes many legislative requirements that influence the overall governance and operations of the system that affect the level of confidence that citizens have in their system.

Longevity Governance Index Framework

Ecology

Indicator groups	Features	Description
Environment and Infrastructure	People using safely managed sanitation services (% of population)	The percentage of people using improved sanitation facilities that are not shared with other households and where excreta are safely disposed of in situ or transported and treated offsite.
	People using safely managed drinking water services, urban (% of urban population)	The percentage of population using an improved drinking water source.
	Ambient Air Pollution, Concentration of Fine Particulate Matter PM2.5 (Ug/M3)	Concentration of Fine Particulate matter PM2.5 measured in 3,000 cities ($\mu\text{g}/\text{m}^3$)
	Ambient and Household Air Pollution Attributable Death Rate (per 100,000 Population)	Mortality rate attributed to ambient and household air pollution.
Temperature Conditions	Relative Humidity, %	Relative humidity (RH) is a measure of how much water vapour is in a water-air mixture compared to the maximum amount possible.
	Dew Point, °C	The dew point is the temperature to which air must be cooled to become saturated with water vapour, assuming constant air pressure and water content.
	Sunshine	Sunshine duration is usually expressed in hours per year, or in (average) hours per day.
	Diurnal Temperature Variation, °C	The variation between a high air temperature and a low temperature that occurs during the same day.
	Daily Mean Air Temperature, °C	The variation between a high air temperature and a low temperature that occurs during the same day.
Climate Change Resilience	Climate Change Performance Index (CCPI)	The CCPI aims to enhance transparency in international climate politics and it enables comparison of individual countries' climate protection efforts and progress.
	Average Yearly Temperature	Average yearly temperature is calculated by averaging the minimum and maximum daily temperatures in the country.
	Climate-related Disasters Frequency	The links between climate change and natural disasters are well documented in a wide variety of climate change literature.

Longevity Governance Index Framework

Society

Indicator groups	Features	Description
Social Development	Democracy Index	The index attempts to measure the state of democracy in 167 countries and territories, of which 166 are sovereign states and 164 are UN member states.
	Human Development Index, 2019	Summary measure of average achievement in key dimensions of human development: a long and healthy life, being knowledgeable and have a decent standard of living. The HDI is the geometric mean of normalised indices for each of the three dimensions.
	Corruption Perceptions Index 2021	The 2021 CPI, published in January 2022, currently ranks 180 countries 'on a scale from 100 (very clean) to 0 (highly corrupt)' based on the situation between 1 May 2020 and 30 April 2021.
	Human Development Index Score, CAGR (6 years)	Compound Annual Growth Rate of the Human Development Index for 6 years.
	Education Index	Component of the Human Development Index
	Global Gender Gap	The Global Gender Gap Index examines the gap between men and women in four fundamental categories (subindexes) and 14 different indicators that compose them. The subindexes are Economic Participation and Opportunity, Educational Attainment, Health and Survival, and Political Empowerment.

Economy

Economic Development	Inclusive Development Index	Annual assessment of 103 countries' economic performance that measures how countries perform on 11 dimensions of economic progress in addition to GDP.
	Global Competitiveness Index	Assesses the competitiveness landscape of 137 economies, providing unique insight into the drivers of their productivity and prosperity.
	Venture Capital Availability	Demonstrates how easy is it for entrepreneurs with innovative but risky projects to find venture capital? [1 = extremely difficult; 7 = extremely easy].
	Unemployment Rate, %	Unemployment refers to the share of the labour force that is without work but available for and seeking employment.

Longevity Governance Index Framework

Economy		
Indicator groups	Features	Description
	Ease of access to loans, 1-7 (best)	Assesses how easy is it to obtain a bank loan with only a good business plan and no collateral.
Public Finance	GCI 4.0: Budget transparency	This indicator assesses on a scale of 0 to 100 [most transparent] the extent to which governments publish data related to budget and spending.
	Financial services meeting business needs, 1-7 (best)	The annual average rate of change of population size, for a given country, territory, or geographic area, during a specified period.
	Financial Market Development	Assesses the level of financial market development.
	GCI 4.0: Pillar 9: Financial system	Financial system development indicator of the Global Competitiveness Index.
Economic Performance	GDP per Capita (Current US\$)	GDP per capita is gross domestic product divided by mid-year population.
	Adjusted Savings: Net National Savings (% of GNI)	Net national savings are equal to gross national savings less the value of consumption of fixed capital.
	Net ODA Received (% of GNI)	Net official development assistance (ODA) as a % of GNI
	Income Gini Coefficient	The Gini coefficient is based on the comparison of cumulative proportions of the population against cumulative proportions of income they receive, and it ranges between 0 in the case of perfect equality and 1 in the case of perfect inequality.
GDP & Income CAGR	GDP (per Capita), CAGR (6 years)	Compound annual growth rate of GDP (per capita) for the last 6 years
	Adjusted Savings: Net National Savings (% of GNI), CAGR (6 years)	Compound annual growth rate of adjusted savings (Net National Savings (% of GNI) for the last 6 years
	Income Gini Coefficient, CAGR (6 years)	Compound annual growth rate of Income Gini Coefficient for the last 6 years (the latest data available depending on country)

Longevity Governance Index Framework

Government Care

Indicator groups	Features	Description
Healthcare System	HAQ (The Healthcare Access and Quality Index)	The Index is measured on a scale from 0 (worst) to 100 (best) based on death rates from 32 causes of death that could be avoided by timely and effective medical care (also known as 'amenable mortality').
	Current Health Expenditure per Capita (Current US\$)	Current expenditures on health per capita in current US dollars. Estimates of current health expenditures include healthcare goods and services consumed during each year.
	Current health expenditure (% of GDP)	Level of current health expenditure expressed as a percentage of GDP. Estimates of current health expenditures include healthcare goods and services consumed during each year. This indicator does not include capital health expenditures, such as buildings, machinery, IT, and stocks of vaccines for emergency or outbreaks.
	Domestic Private Health Expenditure (% of Current Health Expenditure)	Share of current health expenditures funded from domestic private sources. Domestic private sources include funds from households, corporations and nonprofit organisations. Such expenditures can be either prepaid to voluntary health insurance or paid directly to healthcare providers.
	Out-of-Pocket Expenditure (% of Current Health Expenditure)	Share of out-of-pocket payments of total current health expenditures. Out-of-pocket payments are spending on health directly out-of-pocket by households.
	Gross expenditure on R&D (GERD), % of GDP	Total domestic intramural expenditure on Research and Development activities (R&D)
	Risk of Catastrophic Expenditure for Surgical Care (% of People at Risk)	The proportion of population at risk of catastrophic expenditure when surgical care is required. Catastrophic expenditure is defined as direct out-of-pocket payments for surgical and anaesthesia care exceeding 10% of total income.
Immunisation Coverage	BCG Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received one dose of bacilli Calmette-Guérin/ Population aged under 12 months
	Diphtheria Tetanus Toxoid and Pertussis (DTP3) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received three doses of the combined diphtheria, tetanus toxoid, and pertussis vaccine/ Population aged under 12 months
	Hepatitis B (HepB3) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received three doses of hepatitis B vaccine/ Population aged under 12 months

Longevity Governance Index Framework

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Indicator groups	Features	Description
Immunisation Coverage	Hib (Hib3) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received three doses of Haemophilus influenzae type B vaccine/ Population aged under 12 months
	Measles-Containing-Vaccine First-Dose (MCV1) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received at least one dose of measles-containing vaccine/ Population aged under 12 months
	Measles-Containing-Vaccine Second-Dose (MCV2) Immunisation Coverage by the Recommended Age(%)	Number of people who have received the second dose of Measles-Containing-Vaccine/ Population (total number)
	Pneumococcal Conjugate Vaccines (PCV3) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received three doses of pneumococcal conjugate vaccine/ Population aged under 12 months
	Polio (Pol3) Immunisation Coverage among 1-Year-Olds (%)	Number of 1-year-olds who have received three doses of polio vaccine/ Population aged under 12 months
Healthcare Development Trend	Current Health Expenditure per Capita (Current US\$), CAGR (6 years)	The crude death rate is calculated as the number of deaths in a given period divided by the population exposed to risk of death in that period.
	Current Health Care Expenditure (as % of GDP), CAGR (6 years)	The number of people living in an area per square kilometre
	Domestic Private Health Expenditure (% of Current Health Expenditure), CAGR (6 years)	Urban population refers to people living in urban areas as defined by national statistical offices.
Healthcare Policies	Out-of-Pocket Expenditure (% of Current Health Expenditure), CAGR (6 years)	Population between the ages 0 to 14 as a percentage of the total population. Population is based on the de facto definition of population.
	Existence of healthcare policies on a variety of public health issues	Availability of healthcare policies on a variety of public health issues.
International Health Regulations (IHR) Monitoring Framework	Under the IHR (2005) all states parties are required to have or to develop minimum public health capacities to implement the IHR effectively.	Assesses the level of development of public health facilities to implement the IHR effectively.

Longevity Governance Index Framework

Health Status

Indicator groups	Features	Description
Life Expectancy	Both Sexes HALE	Healthy life expectancies of both sexes
	Male HALE	Healthy life expectancy (male)
	Female HALE	Healthy life expectancy (female)
	Both Sexes Life Expectancy	Life expectancy of both sexes
	Male Life Expectancy	Male Life Expectancy
	Female Life Expectancy	Female Life Expectancy
Health and Wellness	Prevalence of HIV (%)	Population between the ages 0 to 14 as a percentage of the total population. Population is based on the de facto definition of population.
	Annual Cigarette Consumption per Capita	Population over the age 65 as a percentage of the total population.
	Alcohol Consumption per Capita (Litres of Pure Alcohol)	The ratio of the number of people older than 64 relative to the number of people in the working-age population (15-64 years). Data are shown as the number of dependents per 100 working-age population.
	Incidence of Tuberculosis (per 100,000 Population per year)	Amount of cases of tuberculosis per 100,000 population per year.
	Prevalence of Overweight among Adults, BMI \geq 25 (Age-Standardized Estimate) (%)	Percent of defined population attaining less than 150 minutes of moderate-intensity physical activity per week, or less than 75 minutes of vigorous-intensity physical activity per week, or equivalent.
Mental Health	Mental Hospitals (per 100,000 Population)	Amount of mental hospitals (per 100,000 Population)
	Mental Health Units in General Hospitals (per 100,000 Population)	Amount of Mental Health Units in General Hospitals (per 100,000 Population)
	Mental Health Outpatient Facilities (per 100,000 Population)	Amount of Mental Health Outpatient Facilities (per 100,000 Population)
	Deaths - Self-harm	Share of death incidences caused by self-harm
	Prevalence - Mental disorders	Share of population with any mental health; this includes depression, anxiety, bipolar, eating disorders, etc.

Longevity Governance Index Framework

Demography

Indicator groups	Features	Description
	Prevalence - Depressive disorders	Share of population suffering from depressive disorders
	Prevalence - Anxiety disorders	Share of population suffering from anxiety disorders
	DALYs - Mental disorders	The global disability-adjusted life-years attributed to mental disorders

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