World Longevity Economy Size

World Longevity Economy Size Projections, current US $*

27 trillion

30 trillion

25 trillion

17 trillion

20 trillion

15 trillion

10 trillion

5 trillion

2018 2019 2020 2021 2022 2023 2024 2025 2026
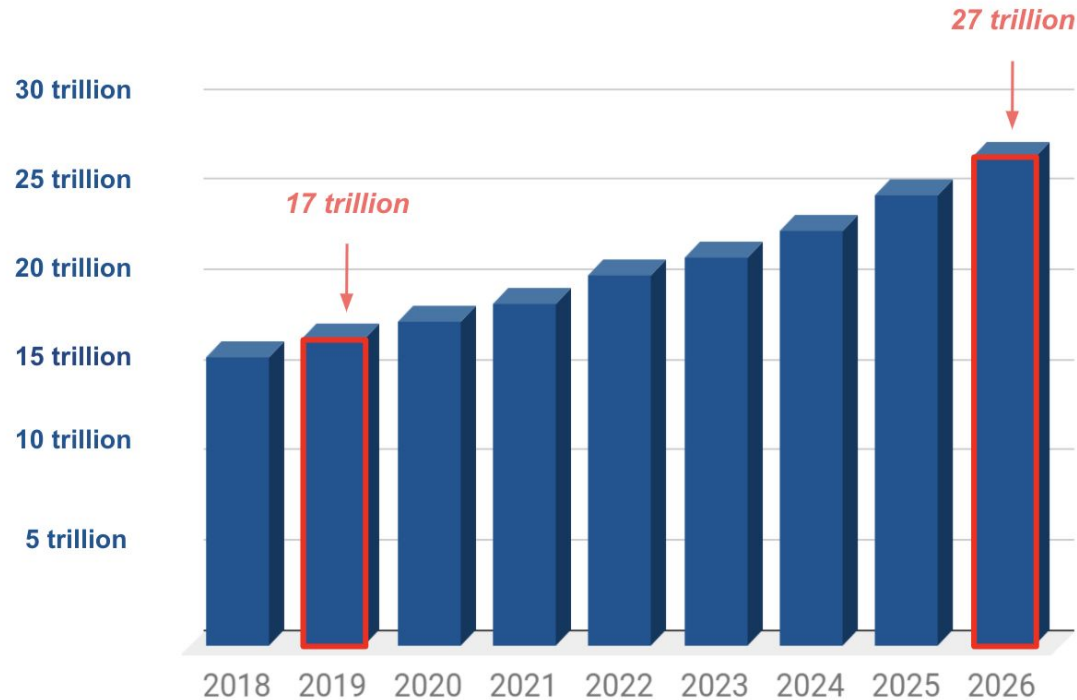
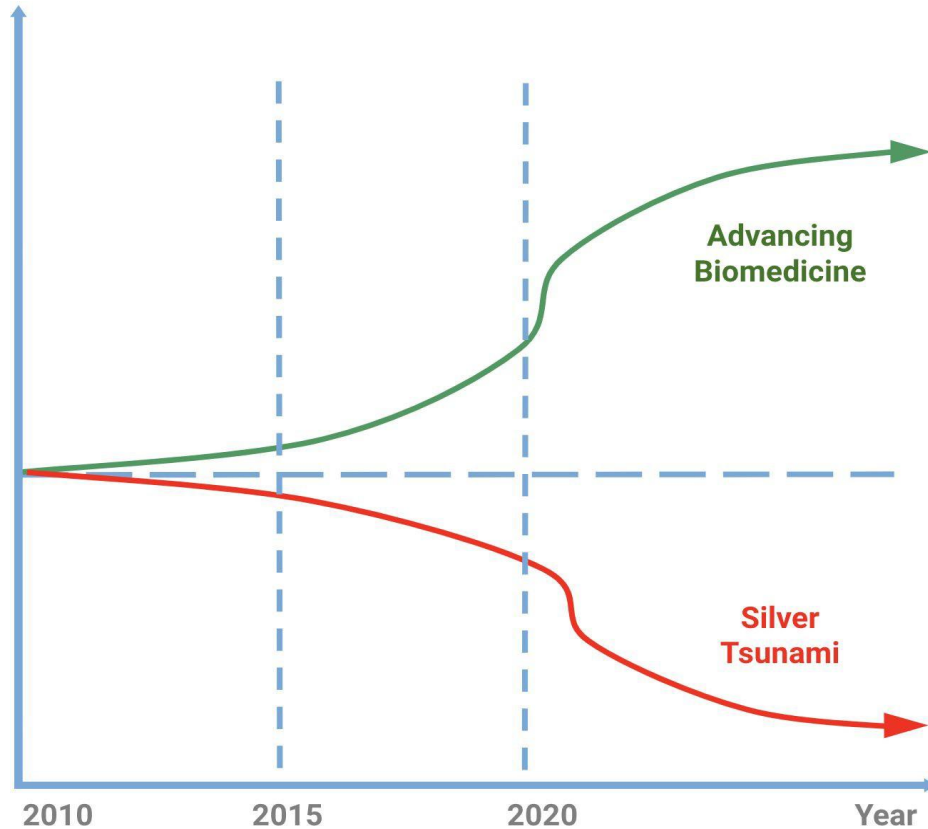*projections are made taking into account the assumption that the
share of the Longevity Economy is 20% of the world GDP

The Collision of Two Opposed MegaTrends

Advancing Biomedicine

Silver Tsunami

2010   2015   2020   Year

The Longevity Industry is characterized by the collision of two opposed MegaTrends: Advancing Biomedicine (Extension of Healthy Longevity) and Ageing Population (Silver Tsunami). Developed nations are set to either sink or swim in the face of the oncoming Silver Tsunami, and their success depends on how proactively they deploy broad, well-funded national plans to extend Healthy Longevity and financial reform to neutralize the economic pressures of their aging populations. They have the opportunity to transform the deficit-model of aging into the opportunity and asset-model of Healthy Longevity.

Longevity Financial Industry - Multi Trillion Opportunity

Longevity, AgeTech & WealthTech Market

Globally
1 Billion in Retirement

In the UK
10 Million in Retirement

" The one billion retired people globally are
a multi-trillion dollar opportunity for business "
~ Dmitry Kaminskiy interview in the Financial Times

FT FINANCIAL TIMES

" The global spending power of those aged 60
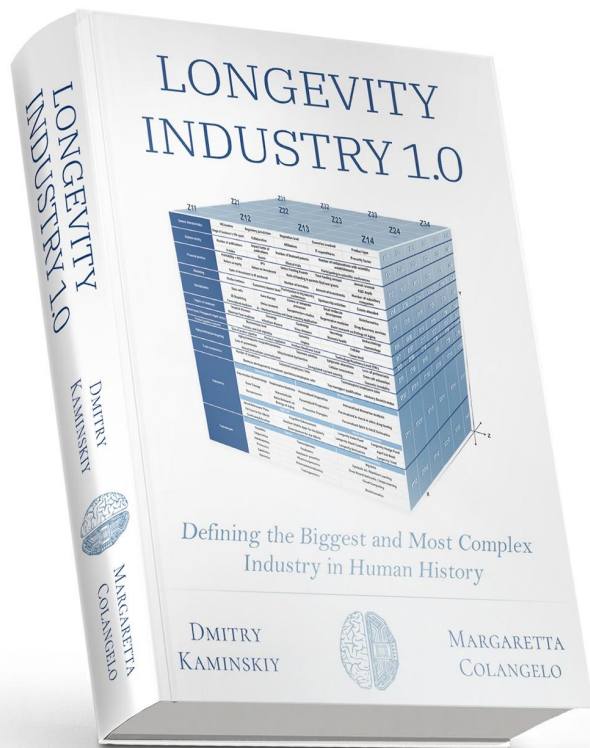and over will reach $15 trillion annually by 2020 "
~ Bank of America Merrill Lynch
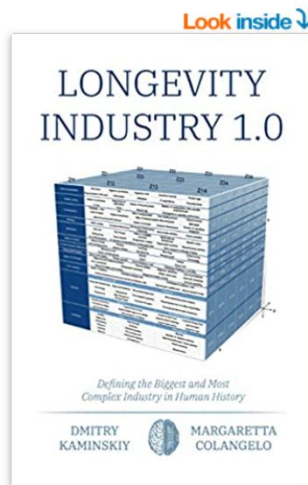
BANK OF AMERICA

www.longevity-book.com

Subscribe to the Longevity Book website by clicking the CONTACT button for exclusive access to

- Tailored topic-specific content,
- New articles by the authors,
- Sneak-preview chapters to the sequel "*Longevity Industry 2.0*"
- Registration links to specialized virtual events on Longevity Finance and FinTech, Longevity Investing and InvestTech, Longevity Policy & Governance and Practical Tips for Optimizing Healthy Longevity

Books › Politics & Social Sciences › Social Sciences

Look inside ↑

LONGEVITY
INDUSTRY 1.0

Defining the Biggest and
Complex Industry in Human History

DMITRY
KAMINSKIY   MARGARETTA
COLANGELO

Longevity Industry 1.0: Defining the Biggest and Most Complex Industry in Human History

Paperback – August 8, 2020

by Dmitry Kaminskiy ▾ (Author), Margaretta Colangelo ▾ (Author)

› See all formats and editions

Kindle	Paperback
$20.00	$55.00
Read with Our **Free App**	1 New from $55.00

FULL COLOR EDITION - In "Longevity Industry 1.0: Defining the Biggest and Most Complex Industry in Human History", seasoned Longevity Industry professionals Dmitry Kaminskiy and Margaretta Colangelo distill the complex assembly of deep market intelligence and industry knowledge that they have developed over the past 5 years into a full-scope understanding of the global Longevity Industry, showing the public exactly how they managed to define the

USA: https://www.amazon.com/Longevity-Industry-1-0-Defining-Biggest/dp/1916391710/

UK: https://www.amazon.co.uk/Longevity-Industry-1-0-Defining-Biggest/dp/1916391710/

Germany: https://www.amazon.de/Longevity-Industry-1-0-Defining-Biggest/dp/1916391710/

PART III

The Longevity Financial Industry

Novel Financial Instruments and Health as New Wealth

- The Increasing Role of Longevity in Global Finance
- Formulating the Framework for the Longevity Financial Industry and Novel Financial System
- Longevity FinTech
- Longevity Embraced by the World's Biggest Financial Corporations: Investment Banks, Insurance Companies, Asset Management Firms
- New Financial Instruments and Derivatives: New Business Models and Novel Financial Instruments Tied to the Rising Longevity Industry
- Integrated AgeTech, WealthTech, FinTech Solutions
- AI, Data Science and Mathematical Technologies Driving the Evolution of the Longevity Financial Industry
- FinTech 2.0 and the Rise of Longevity Banks
- Projected Evolution of the the Longevity Financial Industry
- Longevity Stock Exchanges, Financial Marketplaces and AgeTech-Longevity Banks

Longevity Financial Industry Framework

AGETECH

TeleHealth	NeuroTech
Mobility Tech	Sensory Aids
Smart Homes	SocialTech

WEALTHTECH

Robo-retirement	Digital Brokers
Micro-investments	Annuities
Long-term Securities	Robo-advisors

LONGEVITY

Novel Retirement Plans	Cognitive Enhancement
FinTech for the Elderly	NextGen Mobile Apps for the Elderly
Continuing Education	Insurance for the Elderly

ASSET MANAGEMENT

Longevity Index Fund	Longevity Hedge Fund
Strategies Diversification	AgeTech Bank
Longevity Derivatives	Pension Planning

Longevity Industry Framework

GEROSCIENCE R&D

Rejuvenation Biotechnology	Gene Therapy
Geroprotectors	Regenerative Medicine
Nutraceuticals	Basic Research on Biology of Aging

P4 MEDICINE

Personalized Diagnostics	Personalized Biomarker Analysis
Personalized Prognostics	Personalized in vivo & in silico drug testing
Personalized QALY & HALE Estimation	Preventive Therapies

AGETECH

Novel Retirement Plans	Cognitive Enhancement
FinTech for the Elderly	NextGen Mobile Apps for the Elderly
Continuing Education	Entertainment for the Elderly

NOVEL FINANCIAL SYSTEM

Longevity Index Fund	Longevity Hedge Fund
Longevity Stock Exchange	AgeTech Bank
Longevity Derivatives	Longevity Trust

Major Financial Corporations Gaining Appetite for Longevity

Credit Suisse featured Health and Aging as one of four main themes in their 2018 Global MegaTrends Conference

Julius Baer held a major forum on the topic of "Investing in Longevity" featuring a keynote presentation by Aging Analytics Agency Founder Dmitry Kaminskiy

UBS featured "Living to 150" as one of six major topics in their 2018 Healthcare Summit, featuring a keynote presentation by prominent Longevity entrepreneur Alex Zhavoronkov

UBS also issued a report on the "largest survey of wealth investors in the world to date", concluding: ""Don't let skepticism about living to 100 keep you from planning for it. Life expectancies are rising, and it's a real possibility. In fact globally, nine in 10 investors are already adjusting how they are planning for their life and their legacy."

CitiBank released a landmark report detailing the rise of the Longevity Industry, and highlighting it as one of the quickest-rising sectors being driven by disruptive innovation today.

Frost and Sullivan also released two prominent reports on the emerging Longevity Industry, and in 2018 created the "Award for Innovation in Artificial Intelligence for Aging Research and Drug Development"

"Longevity is a blessing. And as an investor, it provides you opportunities to benefit from compounding and to have a longer investment horizon. But if you don't prepare for it, you are left with two options: Work longer in life, perhaps much longer than you'd like, or hope you've been good to your children and that they'll be willing to care for you in your old age. And, second, I hope you'll speak out. Longevity is an issue of social justice that will have a more profound impact on your generation than on any generation before. If we don't start to address it – not just in this country but globally – we're going to see fewer job prospects for young people, higher unemployment, lower growth and many older people – maybe your parents – left without the means to support themselves."

- Larry Fink, Chairman
of Blackrock Capital

"I'm actually pretty optimistic about the U.S. economy. But Europe's got real challenges. A lot of that is due to the demographics in Europe. China has been the engine of growth for the world for the last 20 years, or the last 10 years in particular, but that's not sustainable. So you're looking at a world where growth is going to be more challenged than it's been, unless you see some really big jumps in productivity."

- Bill McNabb, Chair of Vanguard

"The new technology wave is changing who we are. There is research going on in biology, regeneration of body parts, enzymes and so on. If we make progress in what we are doing in treating cancer, it will prolong life expectancy by a number of years. Now, in Switzerland, every second baby is expected to have a life of more than 100 years."

- Klaus Schwab, Founder
and Executive Chairman
of the World Economic Forum

AGEING SOCIETIES

Reaping the longevity dividend

Join an audience of
150+ global Business executives
November 29th-30th 2016
St.Pancras Renaissance Hotel
London

THE BUSINESS OF LONGEVITY

Health innovation for an ageing world

October 27th 2017

Hong Kong

THE BUSINESS OF LONGEVITY
Innovation for an ageing world
DECEMBER 7TH 2016 | SAN FRANCISCO

THE LONGEVITY SUMMIT
Is Asia ready for 100?
September 27th 2018
Singapore
Platinum sponsor
PRUDENTIAL

AGEING SOCIETIES
Reaping the longevity dividend
November 29th-30th 2016,
St. Pancras Renaissance Hotel
London

BUSINESS OF LONGEVITY ASIA
Health innovation for an ageing world
October 27th 2017
Hong Kong
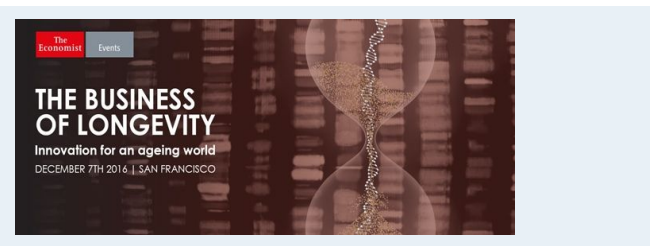
Longevity is now regularly embraced as a major topic of interest for panel discussions and entire conference series by top-tier finance and business media brands including *The Economist, Financial Times* and *Bloomberg*.

FINANCIAL TIMES LIVE

12:10pm   Aging and Longevity

Dmitry Kaminskly, Co-Founder and Senior Partner, *Deep Knowledge Ventures*

Alex Zhavoronkov, CEO, *Insilico Medicine*

Joseph Antoun, Chairman & CEO, *L-Nutra* ; Chairman, *Global Healthspan Policy Institute*

Aubrey de Grey, Vice President of New Technology Discovery, *AgeX Therapeutics*
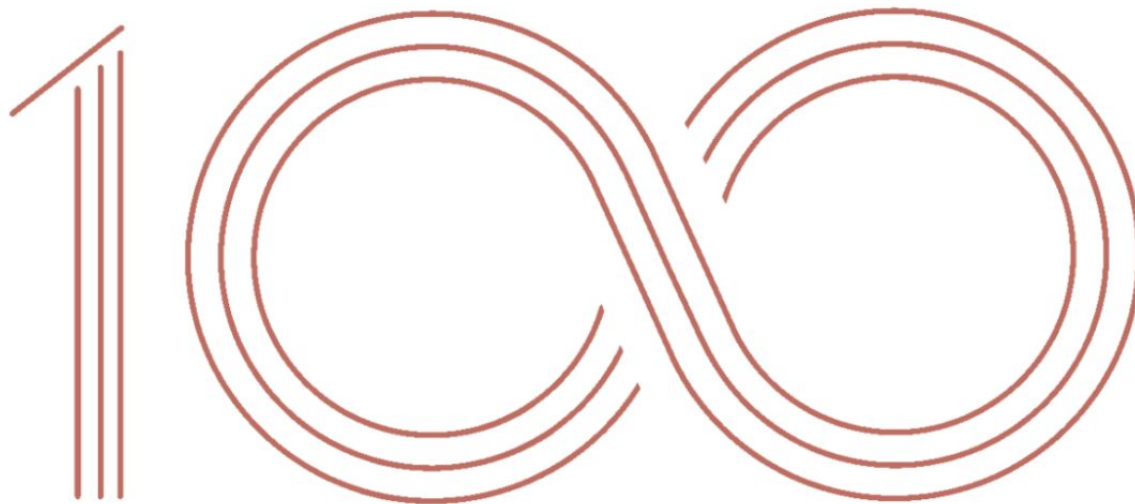
A GLOBAL NETWORK OF INNOVATORS

AGING 2.0

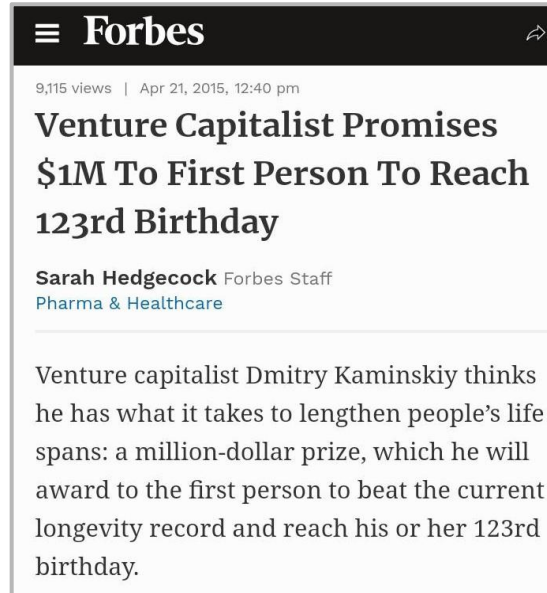BLOOMBERG LONGEVITY ECONOMY CONFERENCE

The century club

Get in touch ▶

Longevity Record

With the aim of getting the ball rolling in the emerging longevity industry, Dmitry Kaminskiy announced a $1 million prize for the first person to reach the age of 123 - just 6 months longer than the current record holder, Jeanne Calment, who achieved 122 years and 6 months age.

Life record of 122.5 by Jeanne Calment who died in 1997

≡ **Forbes**

9,115 views | Apr 21, 2015, 12:40 pm

Venture Capitalist Promises $1M To First Person To Reach 123rd Birthday

Sarah Hedgecock Forbes Staff
Pharma & Healthcare

Venture capitalist Dmitry Kaminskiy thinks he has what it takes to lengthen people's life spans: a million-dollar prize, which he will award to the first person to beat the current longevity record and reach his or her 123rd birthday.

MOST PROGRESSIVE PENSION-TECH COMPANIES

Aging Analytics Agency made an analysis of the most progressive pension-tech companies, where it is clear that the majority of them are based in the UK and EU.

grandhood™

Legal & General

Pension Bee

penfold

apg

epsor

vantik

MOST PROGRESSIVE INSURANCE COMPANIES

The most progressive insurance companies are developing Longevity-focused InsurTech and offering financial incentives to maintaining Healthy Longevity
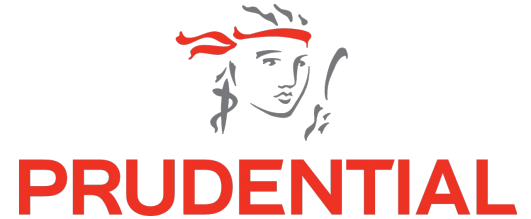
Top-150 Financial Institutions
Advancing Financial Industry
Longevity / AgeTech / WealthTech

Asset Management Firms - 30
Pension Funds - 40
Reinsurance Companies - 15
Insurance Companies - 30
Banks - 35

Asset Management Firms

Pension Funds

Banks

Reinsurance Companies

Insurance Companies

AGING ANALYTICS AGENCY

40 Pension Funds

COBHAM · AstraZeneca · AXA · BAE SYSTEMS · AJ Bell Youinvest · ICI PENSION FUND · BRITISH AIRWAYS · gmpf · Essex Pension Fund · IBM · Ford · BARCLAYS · BBC Pension Scheme · Total UK Pension Plan · babcock · itv · PIRELLI · SCOTTISHPOWER · AkzoNobel · PensionBee · Nationwide · M&S · HARGREAVES LANSDOWN · MNOPF · sse · MARSH & McLENNAN AGENCY · Tyne and Wear Pension Fund · nationalgrid · EMI · PILKINGTON · THE ROYAL COUNTY OF BERKSHIRE PENSION FUND · LAFARGE · West Midlands Pension Fund · Heineken · RBS The Royal Bank of Scotland · ROLLS ROYCE · West Yorkshire Pension Fund

35 Banks

Standard Chartered · 交通銀行 BANK OF COMMUNICATIONS · Rabobank · Deutsche Bank · BNP PARIBAS · Jefferies · J.P.Morgan · BARCLAYS · BMO · LLOYDS BANK · RBC · SMBC · EFG · WELLS FARGO · JB · Crown Agents Bank · RBS · HSBC The world's local bank · citi · CaixaBank · SOCIETE GENERALE · Bank of Ireland · BANK OF AMERICA · Morgan Stanley · NATIXIS · Goldman Sachs

15 Reinsurance Companies

SCOR The Art & Science of Risk · Canada Life Reinsurance · Scottish Re · ARGO GROUP · Munich RE · PartnerRe · Swiss Re · CHUBB · BERKSHIRE HATHAWAY REINSURANCE · TransRe We value risk. · hannover re · PACIFIC LIFE RE · RenaissanceRe · AON Empower Results® · RGA®

30 Insurance Companies

GUARDIAN · Ecclesiastical · ZURICH · AEGON · AIG · B&CE · Rothesay life · HODGE · AVIVA · Discovery · ASPEN · GENERALI · LV= · Vitality · PENSION CORPORATION · Manulife · Prudential · RSA · NN · AXA · Legal & General · ROYAL LONDON · PHOENIX GROUP · Iccaria Insurance · CHINA LIFE 中国人寿 · MetLife · SECURIS INVESTMENT PARTNERS · SCOTTISH WIDOWS

30 Asset Management Firms

OLD MUTUAL · Schroders · Aberdeen Asset management · Fidelity · BlackRock · Artex · NOMURA · Janus Henderson INVESTORS · LAZARD · 4BIO CAPITAL · NORTHERN TRUST ASSET MANAGEMENT · Sun Life Financial · BARNETT WADDINGHAM · Amundi · Vida Capital · COWEN GROUP · ODEY ASSET MANAGEMENT · Willis Towers Watson · Close Brothers Modern Merchant Banking · octopus ventures · Invesco · Mesirow Financial · BNY MELLON · cpr · JUNO · Insight INVESTMENT · Rothschild & Co · KKR · GLOBAL X

AgeTech Industry Market Capitalisation

World AgeTech Industry Size Projections, current US $

AgeTech sector:
- Elderly Care
- FinTech
- m-Health
- Senior Living Communities
- Social and Communication
- Caregiving
- Independence
- Social Protection
- Cognitive Care

Chart values:
- 2019: 0.86
- 2020: 1.04
- 2021: 1.26
- 2022: 1.52
- 2023: 1.84
- 2024: 2.23
- 2025: 2.7

While, the global Longevity Economy is projected to reach $27 Trillion in 2025, Age-Tech potential within it will reach $2.7 Trillion by 2025.

This would imply 21% annual growth in the global Age-Tech market. This growth is driven by the general development of elderly care sector enhanced by advancing IT, FinTech and other digital technologies.

UK AgeTech Industry Landscape
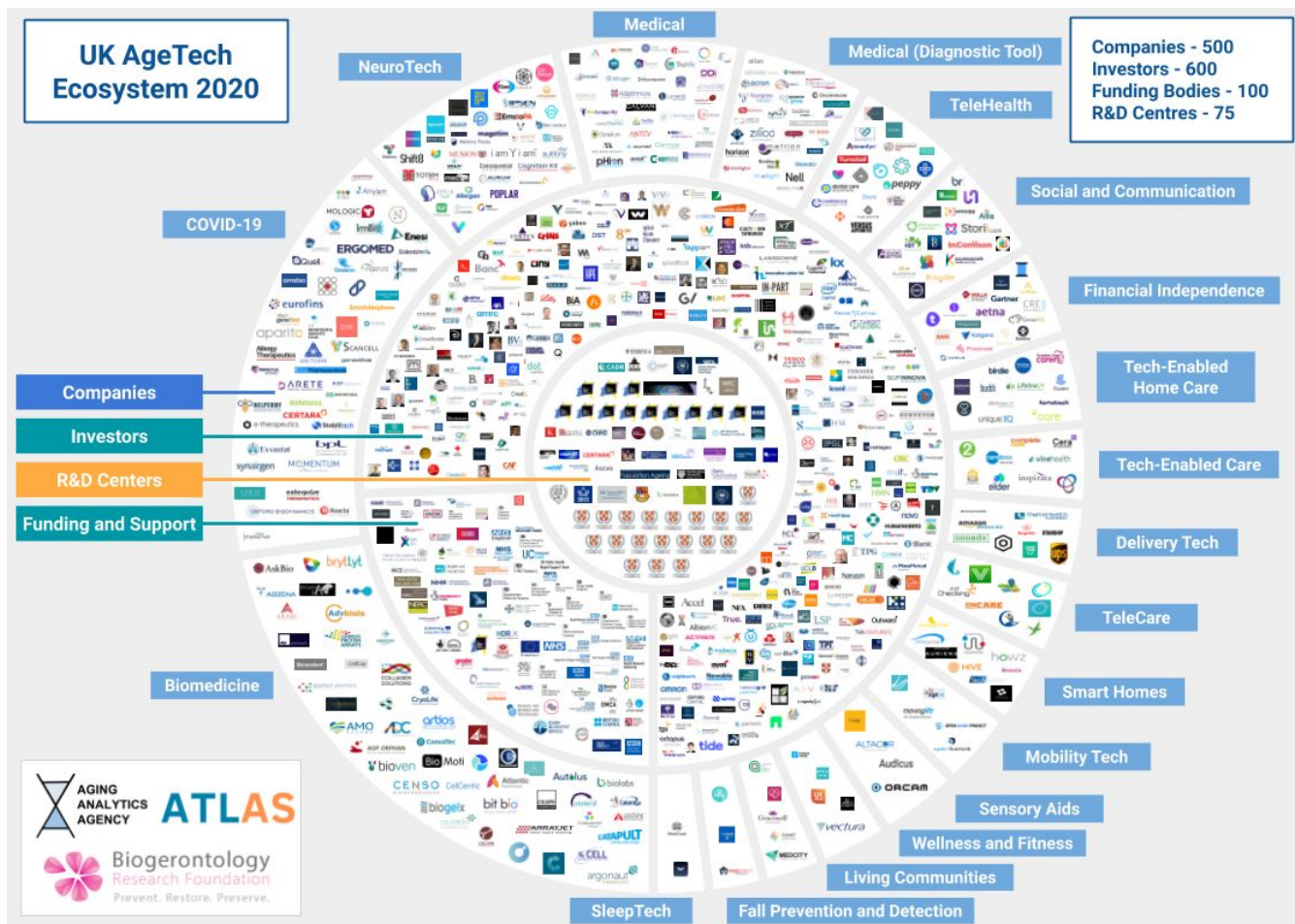
FinTech 2.0 =

AI + FinTech + LegalTech + RegTech + MarTech + HealthTech
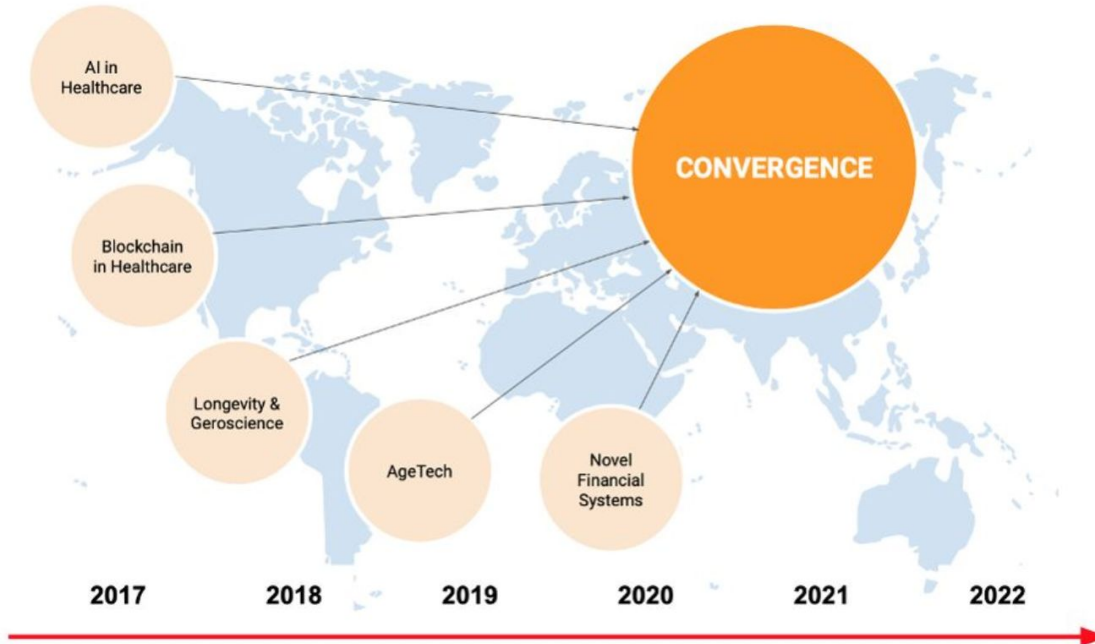
Major Driving Factors for the Future of Finance

Wealth Management + Artificial Intelligence

Traditional Banking Services + IT-Technologies & Platforms

Longevity (AgeTech) Bank

Key points:

- The aged market is enormous, worth trillions and is as of yet underserved.

- Technology will play a critical role in delivering AgeTech focused banking.

- Leading companies in this space will focus on the integration of InsurTech, HealthTech, AgeTech and FinTech into seamless Longevity-focused products and services.

AI-Driven WealthTech Solutions

Investing Tools

Robo Advisors

Robo Retirement

Micro Investing

Financial Services

Digital Brokerage

Rising Longevity is Driving a Self-Sustaining Cycle of Financial Innovation

PROVIDERS OF DIAGNOSTIC SERVICES

PROVIDERS OF TELEMEDICINE CONSULTATIONS

PROVIDERS OF PROGNOSTIC SERVICES

PROVIDERS OF BIOMARKERS OF AGING

VENDOR OF WEARABLES

PROVIDERS OF NUTRACEUTICALS AND SUPPLEMENTS

RECOMMENDED LIST OF DOCTORS IN CLIENT'S REGION

PROVIDERS OF VALIDATED COSMETIC AND BEAUTY SERVICES

PROVIDERS OF SOPHISTICATED FITNESS AND PROGRESSIVE WELLNESS PROGRAMS

LONGEVITY AI ASSISTANT

LONGEVITY MARKETPLACE

Age-Focused Banking: An Untapped Ocean

- As the share of the population above 60 is increasing in every member state of the European Union, European banks are lagging behind in finding solutions for this age group, especially taking into account the fact that seniors are holding the lion's share of the savings. Traditional banks like UBS, HSBC, Credit Suisse, Barclays and Citi, as opposed to challenger banks, are making their first steps in AgeTech, adapting their infrastructure for the elderly.
- HSBC has partnered with the Alzheimer's Society to create dementia-friendly products, as mentioned, while Barclays is actively developing software for seniors to make their customer experience more comfortable. UBS went so far as to create The Century Club among their clients expecting to live up to 100 years.
- If traditional banks, with hundreds of years of history and nearly-unbreakable, guaranteed trust behind their brands and their long-standing reputations, were willing to on-board Data Science, AI and advanced IT-solutions and technologies to meet the needs of the untapped Silver Ocean (clients who are 60+ years old), they would stand in an almost unconquerable position to challenge and gain the multitrillion market opportunity that their younger, less experienced competitors failed to capture.

LONGEVITY CARD®

HEALTH IS THE NEW WEALTH

LONGEVITY CARD

MEMBERSHIP

1234 5678 9101 1121

GEORGE WILLIAMS
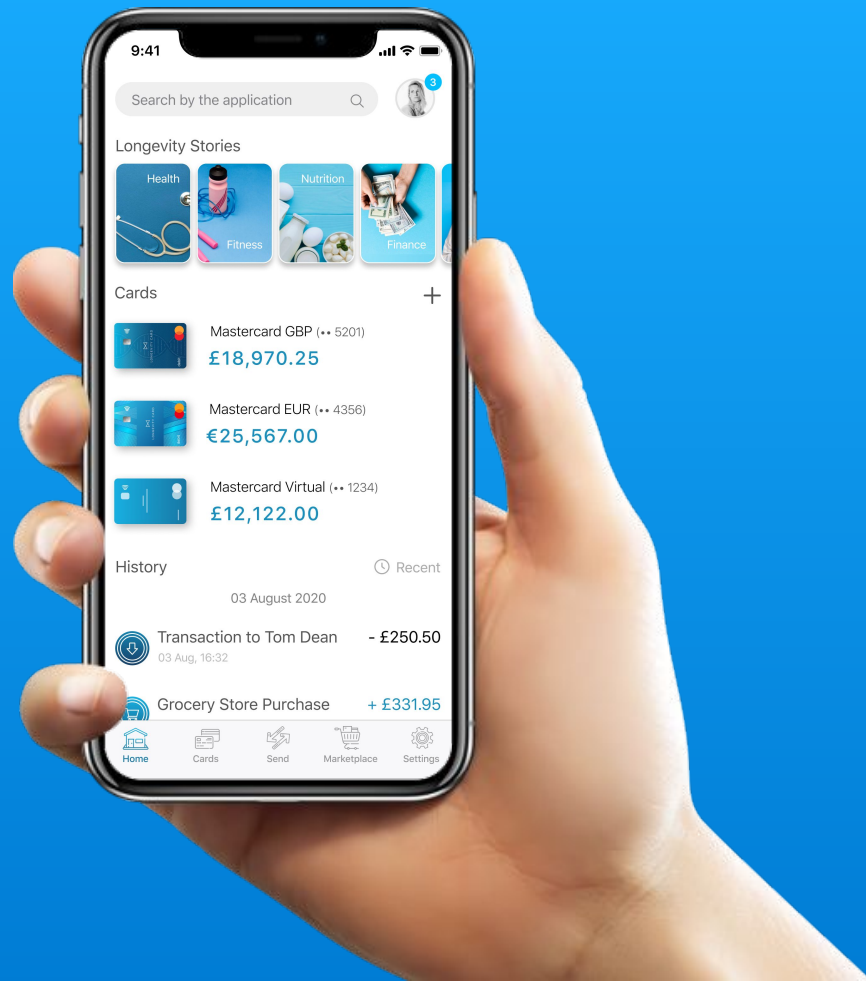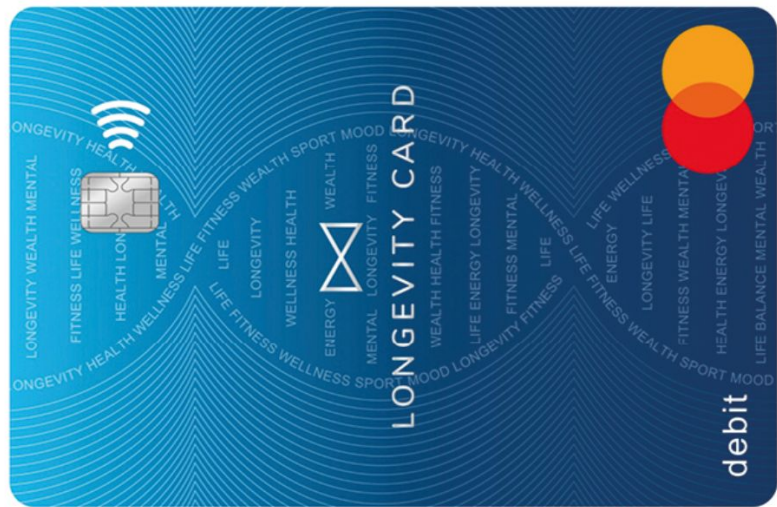
BANKING CARD

MEMBERSHIP CARD

LONGEVITY CARD
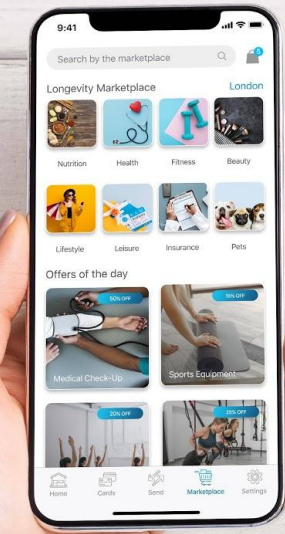
ACCOUNT FEATURES

UK IBAN

MULTI CURRENCY ACCOUNTS

DEBIT CARD

MONEY TRANSFERS

CASH LOAD

LONGEVITY MARKETPLACE
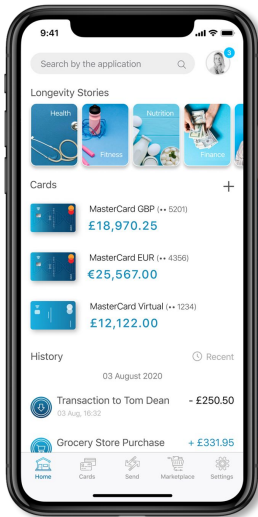
PERKS

FAST SIGN UP

REAL-TIME NOTIFICATIONS

TRAVEL INSURANCE

BUSINESS ACCOUNTS

24/7 SUPPORT

HEALTHTECH INTEGRATION

HEALTHSPAN
AND FITNESS
GAMIFICATION

LONGEVITY
POINTS

DAILY ACTIVITY
ANALYSIS

SLEEP
ANALYSIS
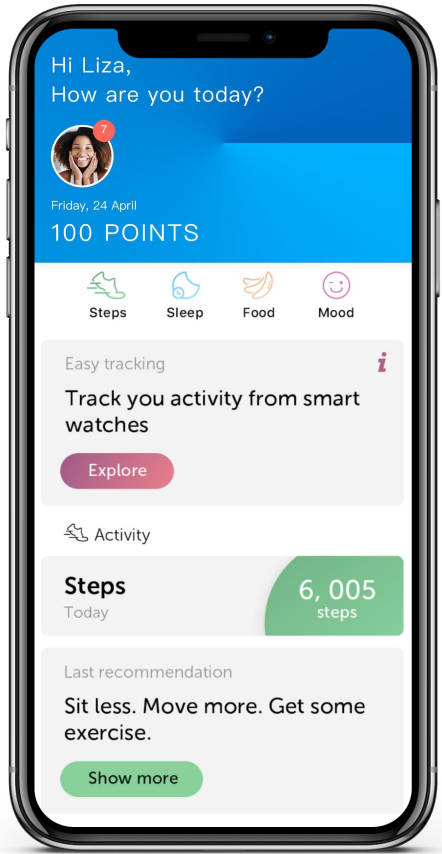
AI POWERED
PERSONALISED
RECOMMENDATIONS

WEARABLES
COMPATIBLE

LONGEVITY
STORIES

NUTRIENT
TRACKING

Hi Liza,
How are you today?

Friday, 24 April
100 POINTS

Steps   Sleep   Food   Mood

Easy tracking   *i*

Track you activity from smart
watches

Explore

Activity

Steps
Today   6, 005
                                 steps

Last recommendation

Sit less. Move more. Get some
exercise.

Show more
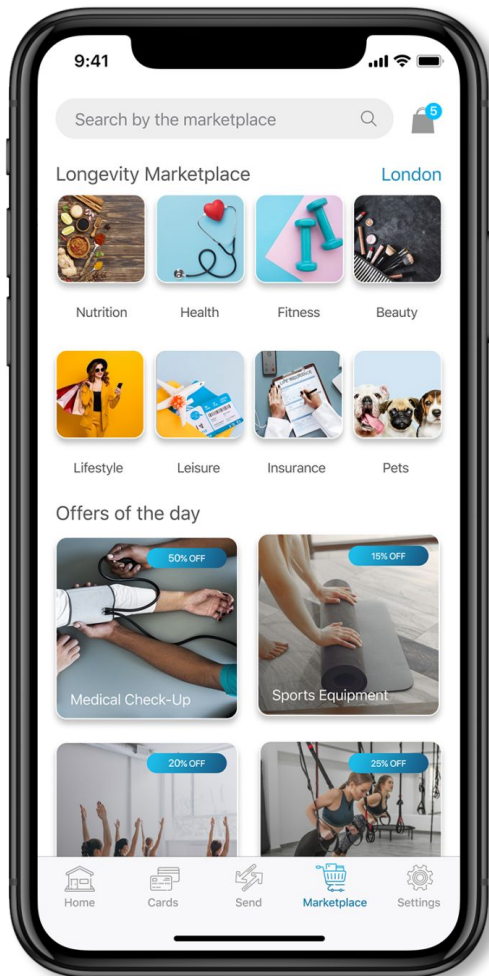
LONGEVITY MARKETPLACE

Longevity Marketplace offers the World's Best Products and Services in the Industry, Exclusively Featuring Scientifically and Technically Validated Vendors

Longevity Finance Dashboard

*Big Data Analytics,
Market Intelligence
& SWOT Analysis*

Longevity Finance Big Data Analytics Dashboard

Longevity Finance Dashboard: Main Features

2000 Entities

100,000 Data Points

8 Industry Sectors

30 Major Parameters per Entity

100 SWOT Profiles

50+ Interactive Charts

1	Market Intelligence Dashboard	2	Longevity Finance Ranking & Benchmarking	3	SWOT Analysis Dashboard
4	Forecast Dashboard (*Future Prospects Benchmarking*)	5	B2B Dashboard (*Longevity Finance Products & Service Providers*)	6	Big Data, Machine Learning & AI Analytics Dashboard

User Interface / Dashboard

Infographic Chart

63k

154.03   244.43

Business Intelligence

Competitor Analysis

SWOT Analysis

Big Data Analytics

Information Management System

Database

Technical BackEnd Server
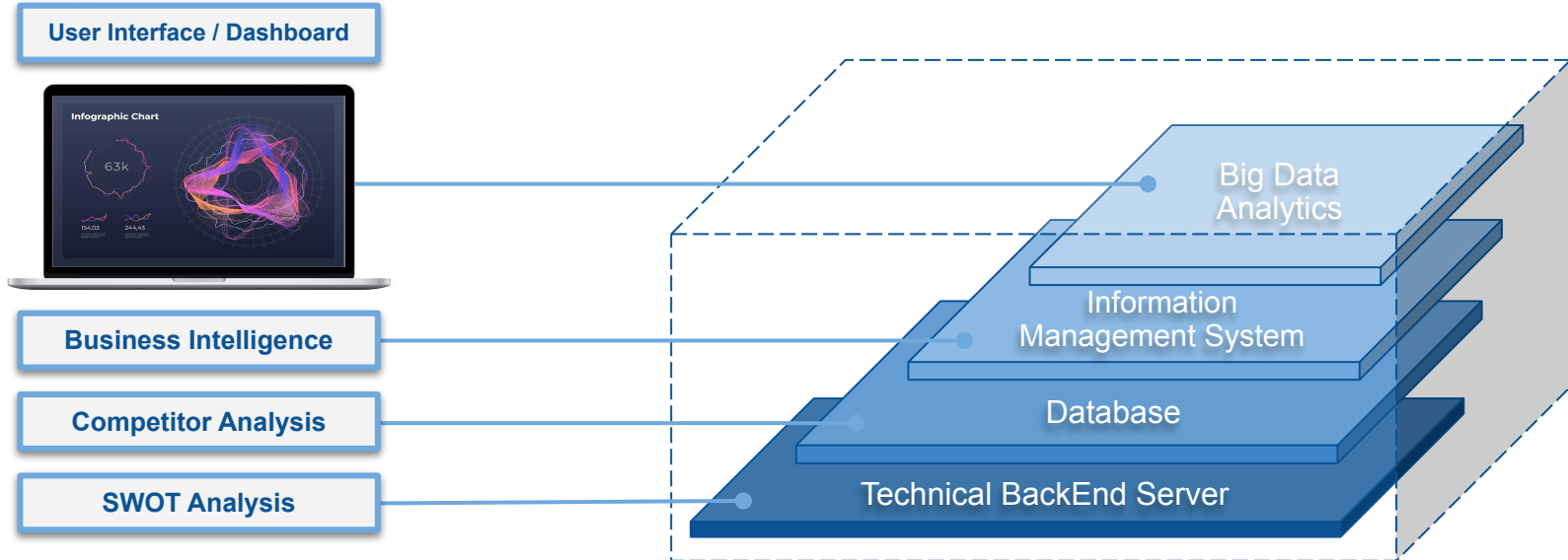
Longevity Finance Dashboard Visualisation

Main information

AXA is a French multinational insurance firm that focuses on global insurance, investment management, and other financial services. AXA helps its clients live more confidently day after day, by protecting them, their families and their property against risks, and by managing their savings and their assets.

Company description

Name: **Axa**
Industry: **Insurance**
Headquarters: **Paris, Ile-de-France, France**
Founded date: **1852**
Employees number: **10001+**
Funding status: **N/A**
Investor type: **N/A**
Investment stage: **N/A**
Number of exits: **N/A**

Predictive potential of the company
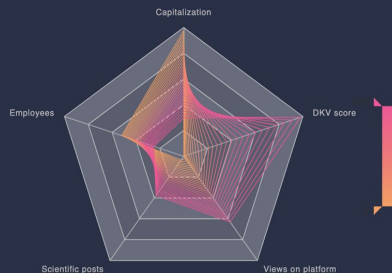
Capitalization dynamic for last 10 years

Capitalization dynamic for last 10 years

2026
Capitalization : 140
Employees : 108
Scientific posts : 140
Views on platform : 234
DKV score : 338
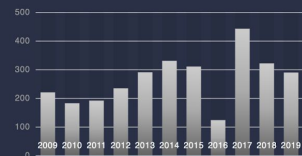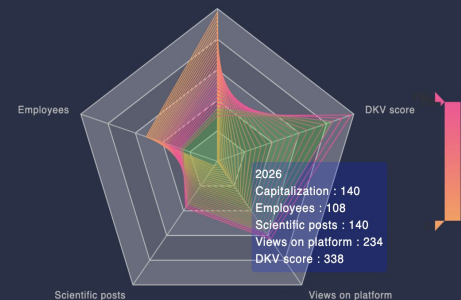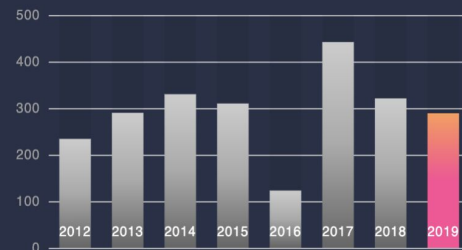
Contacts and social media

Website: **http://axa.svg**
Email: **N/A@NA**
Twitter: **https://twitter.com/AXA**

- The dashboard enables financial institutions interested in Longevity to select and filter Longevity products and services available within their region, in order to aggregate a set of vendors capable of providing their own clients with relevant products and services designed to maximize Healthy Longevity across the full scope of the global Longevity ecosystem (from healthspans to wealthspans).

- Clients will also gain access to advanced analytics showing relevant benchmarking parameters for available vendors within each specific product and service category, enabling them to conduct cost-benefit analyses and determine which vendors are best suited to meet the needs of their clients within their specific target demographic and regional market.

- The dashboard will also provide continuous monitoring and market intelligence of the specific Longevity-focused activities, products and services developed and deployed by 500 financial corporations globally, to continually track, analyze and rank best practices within the Global Longevity Financial Industry.

Aegon N.V.

Aegon N.V. is a multinational life insurance, pensions and asset management company headquartered in The Hague, Netherlands. At the same time, it provides retirement, workplace savings and protection solutions to over two million UK customers.

Headquarters: Hague, The Netherlands
Regulatory jurisdiction: EU
Countries involved: 20
Number of Employees: 28,000

Cooperation with Longevity Industry:
Number of participation in Longevity conferences: 0
Number of partnerships: 2

Type of institution in accordance with the Longevity Financial Framework: Insurance company
Financial Services: Insurance

Participation in longevity risk exposure: 3 big longevity swap deals

Geographic Heat-Map of Corporation's Activities and Partnerships: operates through three major joint ventures in China, India, and Japan

Admiral Group does not use quantified methods of structuring financial products (QALY, HALE, DALY) for the evaluation of future assets volume

Financial Highlights

$4.69B Gross Profit
0.16% Return on Assets (ROA)
3.05% Return on Equity (ROE)
3.95% Profit Margin

Strengths
- Participation in longevity swap
- Financial health
- Own a Center for Longevity and Retirement

Weaknesses
- Investment in Research and Development is below the fastest growing players in the industry.
- Lack of Analytical Reports on the Topics of Ageing and Longevity
- Lack of Participation in Conferences on Longevity and Financial Industry
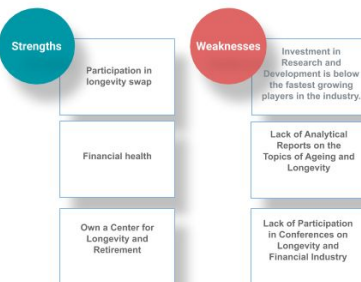
Amundi

Amundi SA provides investment management services. The Company offers savings, financial instruments, equity trading, credit activities, and investment solutions. Amundi serves customers worldwide.

Cooperation with Longevity Industry: AMUNDI ETF MSCI EUROPE HEALTHCARE UCITS ETF enables investors to benefit from an exposure to around 30 European stocks in the health sector, with a single transaction

Headquarters: Paris, France
Regulatory jurisdiction: EU
Global locations: has six asset management platforms
Number of Employees: 5 000

Type of institution in accordance with the Longevity Financial Framework: Asset management company

Advancing Financial Indicators: Net assets in the Pioneer insurance-linked securities interval fund had totaled up to $904 million Expertise to analyse risk/return

Geographic Heat-Map of Corporation's Activities and Partnerships: 9,1 % of AUM - Asia 64,3 % - Europe 19,5% - North America

Amundi does not use quantified methods of structuring financial products (QALY, HALE, DALY) for the evaluation of future assets volume

Financial Highlights

EUR 2.6 B Revenue
EUR 1.3 B EBITDA
EUR 1 425 B Assets under management
EUR 0.85 B Net Profit

Strengths
- The acquisition of Pioneer strengthened business model and its European leadership position
- Open and scalable industrial model, and a wide spectrum of investment expertise
- Has an in-house research and analysis department which is specialised in the study of global economic conditions

Weaknesses
- Lack of strategic partnership with companies in longevity industry

Longevity-Focused Competitive Analysis of Major Financial Institutions

Institution	Specialized Longevity Focused Marketing Strategies & Activities (Score out of 100)	Specialized Longevity Focused Financial Instruments (Score out of 100)	Products and Services Tailored to Elderly and Middle Aged Demographic (Score out of 100)	Longevity (100+ Years) Investment and Asset Management Programs (Score out of 100)	Integration of Financial Products and Services with AgeTech/HealthTech Components (Score out of 100)
BARCLAYS					
Prudential					
AXA Investment Managers					
UBS					
Manulife Vitality					

Longevity Investment Analytics Dashboard

Longevity Investment Big Data Analytics Dashboard

AGING ANALYTICS AGENCY — Longevity Industry Dashboards

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Landscape | Investors | Analytics | Contact Us
National Plans | Dynamic Charts | Search For...

Longevity Investment Analytics Dashboard

Investors Portal

- Investor Portfolio Search
- Investor Competitors Search
- Comparative Analysis
- Major Trends
- Interactive Network Diagrams
- Interactive MindMaps

Investor Portfolio Search — ENTER
Investor Competitors Search — ENTER
Comparative Analytics — ENTER
Major Trends — ENTER
Interactive Network Diagrams — ENTER
Interactive MindMaps — ENTER

Company Portal

- Company Portfolio Search
- Company Competitors Search
- Comparative Analysis
- Major Trends
- Interactive Network Diagrams
- Interactive MindMaps

Company Investor Search — ENTER
Company Competitors Search — ENTER
Comparative Analytics — ENTER
Major Trends — ENTER
Interactive Network Diagrams — ENTER
Interactive MindMaps — ENTER

Longevity Investment Big Data Analytics Dashboard
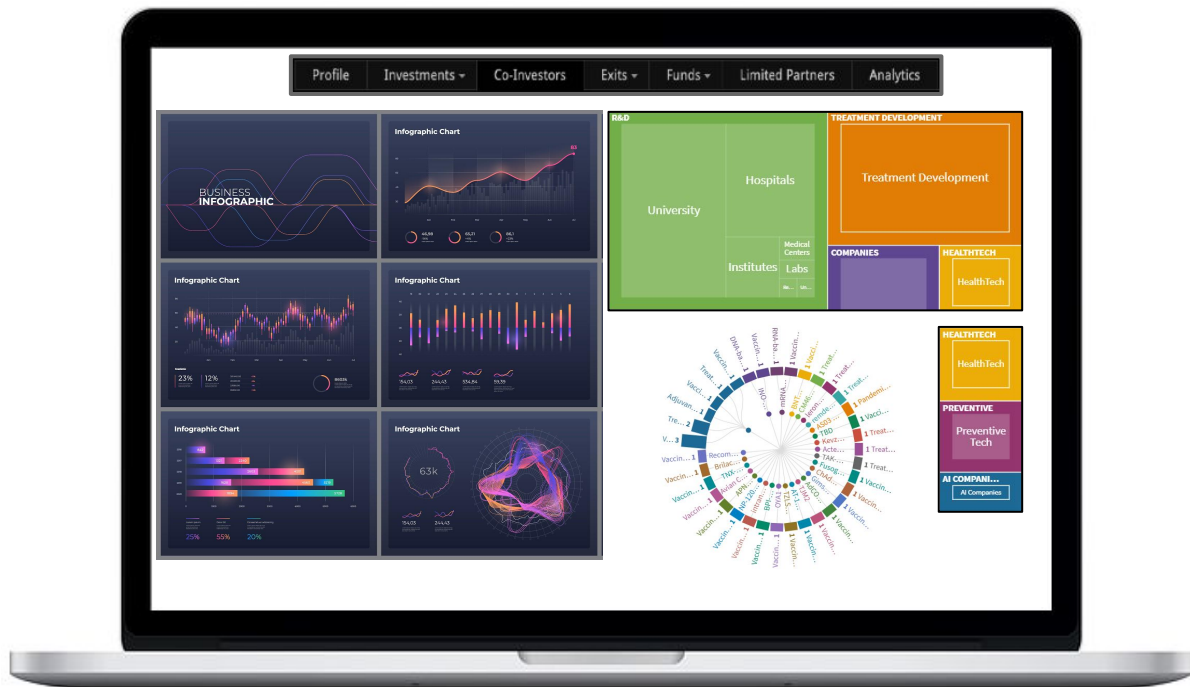
100,000+ Data Points

20,000 Entities

20+ Dynamic Search Filters

20+ Comparative Analysis Filters

Company Competitor Search

Investor Competitor Search
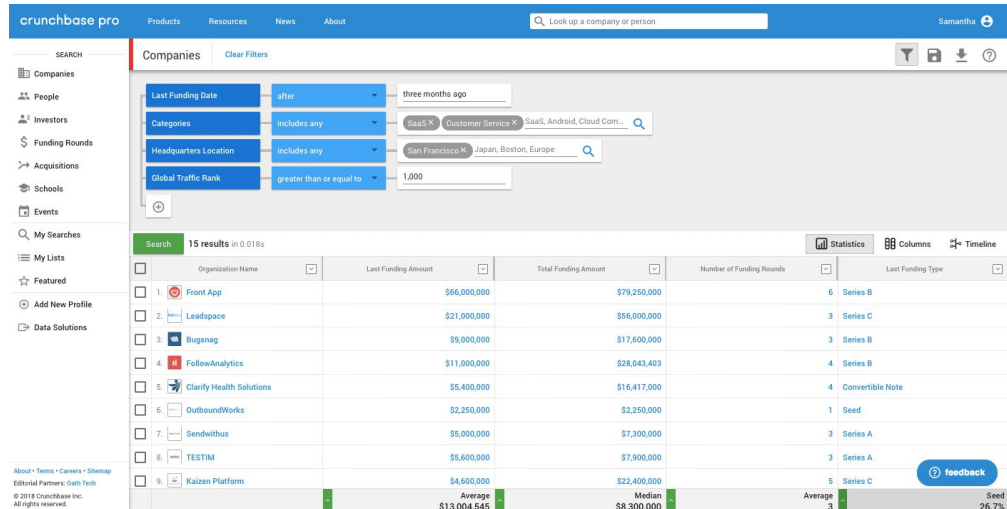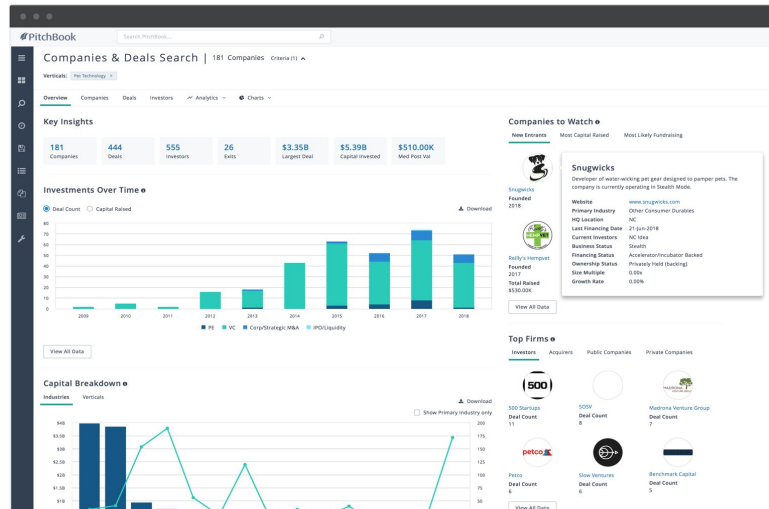
- The data and analytics architecture and overall user interface for the investment Analytics Dashboard was inspired by services like Pitchbook and crunchbase, and offers equally targeted and visually intuitive types of comparative analytics, filtered searches, analytical toolsets and peer-to-peer smart matching capabilities.
- For the first time, both Longevity companies and investors will have access to the real-time data and analytics required to formulate intelligent strategic decision making within the unprecedentedly complex sphere of Human Longevity.

Longevity Investors:

- Access to quantitative, sophisticated and multidimensional analytics on many potential future portfolio companies and investment prospects,
- Real-time analytics on potential investment candidates, providing insight into their development prospects over time, their future and ongoing growth potential, visibility on which companies are growing the fastest, which are consistently making or losing money, etc,
- Targeted and intelligent smart-matching between investors and portfolio candidates based on specified sectors and qualifying criteria (e.g. highly-targeted ratios of rankings in specific areas).

Multidimensional Big Data Analytics Vector Space

Investors Industry Universe

Companies Industry Universe
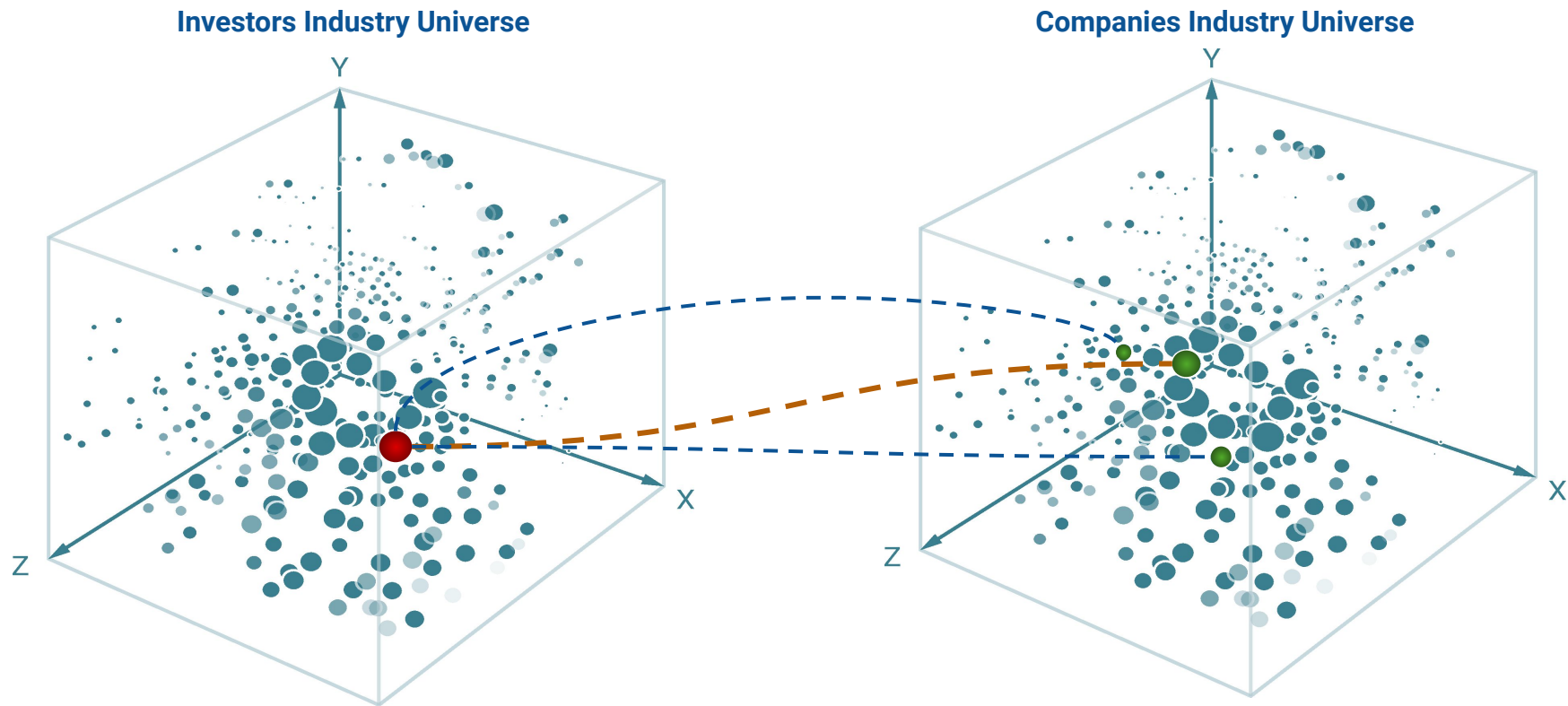
The system will enable targeted and intelligent smart-matching between investors and portfolio candidates based on specified sectors and qualifying criteria (e.g. highly-targeted ratios of rankings in specific areas).

Risk vs. Diversification Analysis of Leading Longevity Investment Funds

	Longevity Investment Fund	Investment Focus	Research Focus	Funding Round Focus	Geographical Distribution of Assets	Investment Strategy
1		Diversified Portfolio	Human Life Extension	Diversified Portfolio	Diversified	**Competitive**
2		Diversified Portfolio	Human Life Extension	Diversified Portfolio	Concentrated	**Competitive**
3		Diversified Portfolio	Human Life Extension	Diversified Portfolio	Diversified	**Competitive**
4		Digital Health	Human Life Extension	Early Stage Venture	Concentrated	**Middle Risk Level**
5		Digital Health	Human Life Extension	Early Stage Venture	Diversified	**Middle Risk Level**
6		Drug Discovery	Human Life Extension	Diversified Portfolio	Diversified	**Middle Risk Level**
7		Drug Discovery	Human Life Extension	Diversified Portfolio	Diversified	**Middle Risk Level**
8		Diversified Portfolio	Preclinical Trials (Mice)	Early Stage Venture	Diversified	**Middle Risk Level**
9		Drug Discovery	Human Life Extension	Diversified Portfolio	Diversified	**Middle Risk Level**
10		Drug Discovery	Preclinical Trials (Mice)	Diversified Portfolio	Diversified	**Middle Risk Level**
11		Diversified Portfolio	Diversified	Early Stage Venture	Diversified	**Middle Risk Level**
12		Digital Health	Human Life Extension	Early Stage Venture	Concentrated	**Middle Risk Level**
13		Diversified Portfolio	Human Life Extension	Early Stage Venture	Diversified	**Middle Risk Level**
14		Diversified Portfolio	Human Life Extension	Late Stage Venture	Concentrated	**Middle Risk Level**
15		Digital Health	Human Life Extension	Early Stage Venture	Concentrated	**Middle Risk Level**
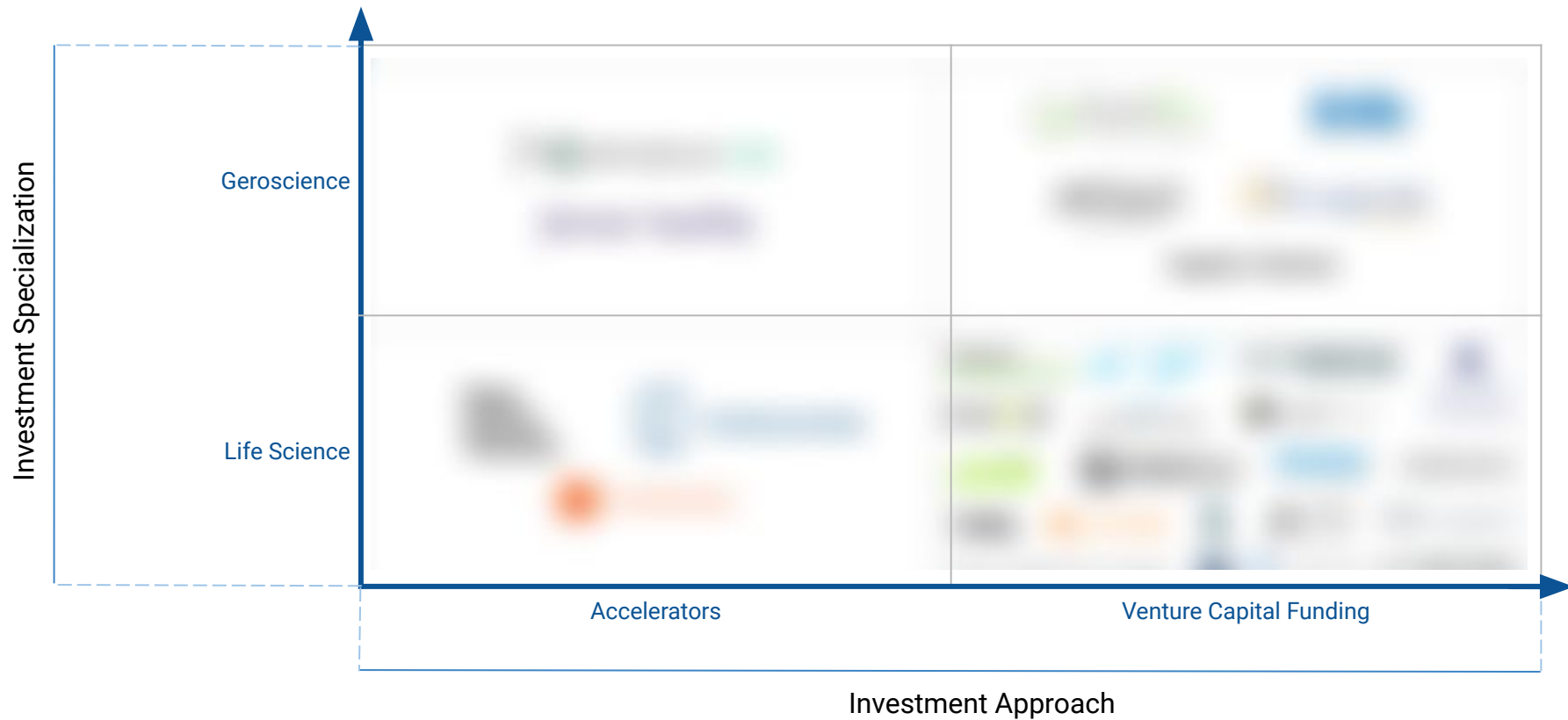
Longevity Industry Analytical Framework

Company	High number of Longevity experts, large volume of scientific papers	High TRL (measure of market readiness)	Number of clinical trials completed, ongoing and planned	Management with history of successful IPO, merger and acquisitions	Large team and budget allocation for advanced R&D	Use of unique technology and IP

Top 20 Longevity Investors

Top Longevity Companies	Investments overall	INVESTORS		Investments Overall	Top Longevity Companies

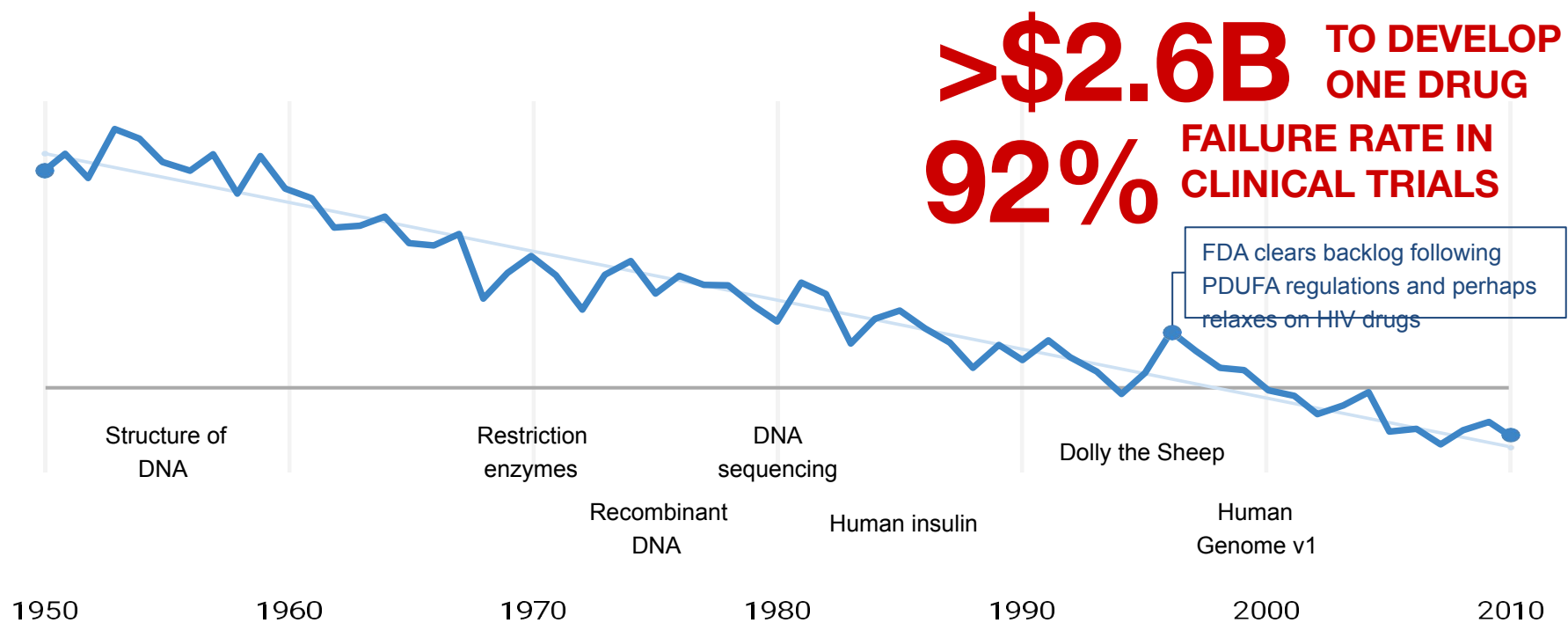# Biomarkers of Longevity as the Tangible Metrics for Investment Decisions

Biomarkers of Longevity

Approved for Clinical Use - 41
Healthcare-Ready - 33
Research Use Only - 45

1st edition: Selection and Current Status, 2019

Biomarker Panels → Digital Panel Platforms ← Single Biomarkers

Approved for Clinical Use

Healthcare-Ready (waiting for clinical approval)

Research Use Only

AGING ANALYTICS AGENCY
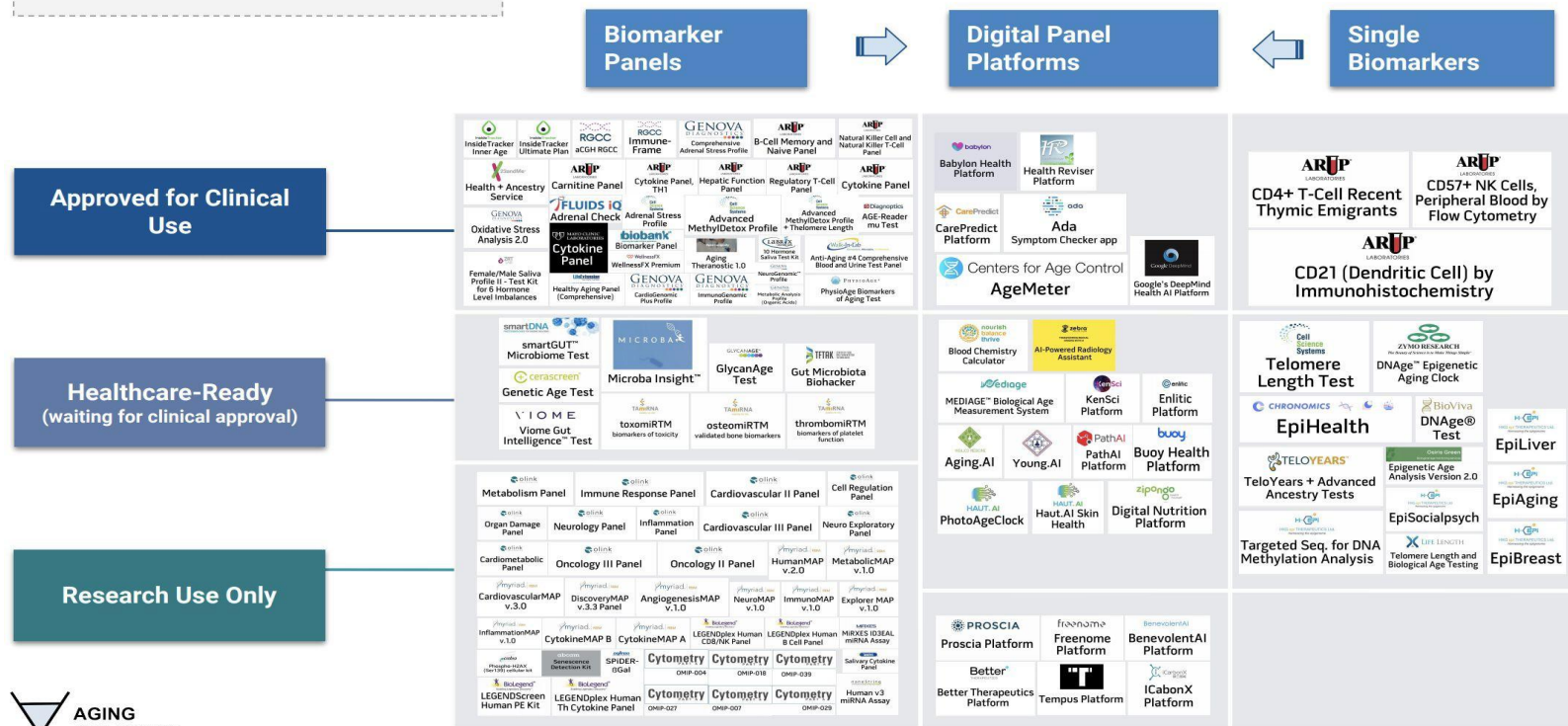
Pharma Efficiency is **Declining Steadily**

NMEs per $B R&D spent (inflation adjusted)

>**$2.6B** TO DEVELOP ONE DRUG

92% FAILURE RATE IN CLINICAL TRIALS

FDA clears backlog following PDUFA regulations and perhaps relaxes on HIV drugs

Structure of DNA

Restriction enzymes

DNA sequencing

Recombinant DNA

Human insulin

Dolly the Sheep

Human Genome v1

1950   1960   1970   1980   1990   2000   2010

Bernstein Research: The Long View - R&D Productivity, 2010

59 NEW DRUGS launched in 2018

What if Geroscience (Science of Aging) Fails to Deliver?
Separating Hype from Reality: Pragmatic Optimism for the Longevity Industry

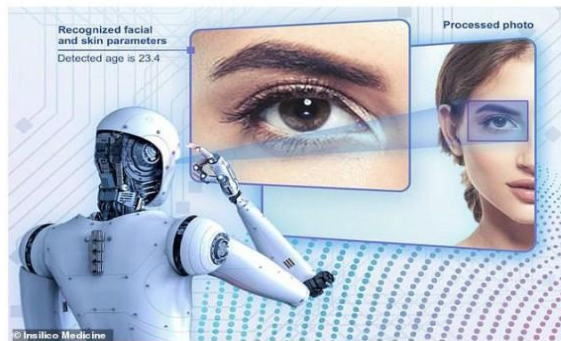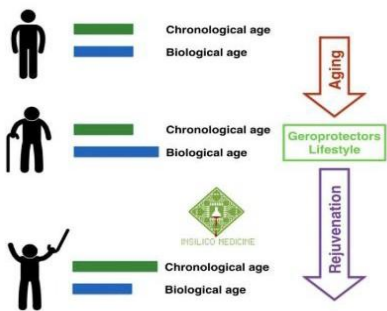# Drug Discovery in Longevity

From Mice to Human

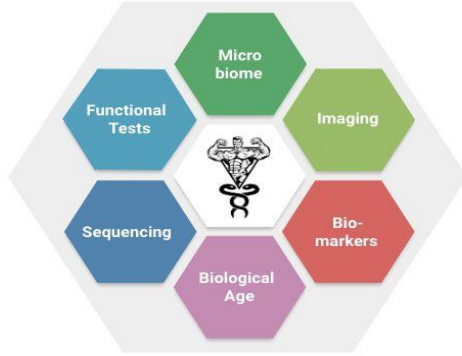# 99% FAILURE RATE IN CLINICAL TRIALS

Systems model–based cross-species translation

Translating computational systems models of molecular (X) to phenotypic (Y) associations from animal models to humans provides a powerful framework for translating therapeutic concepts from preclinical to clinical stages.

Chronological age
Biological age

Aging

Geroprotectors
Lifestyle

Rejuvenation

INSILICO MEDICINE

Chronological age
Biological age

Chronological age
Biological age

Recognized facial
and skin parameters
Detected age is 23.4

Processed photo

© Insilico Medicine

+2   -1   +5
-4   -3

INSILICO MEDICINE

38
Years

36
Years

34
Years

2018

2019

2021
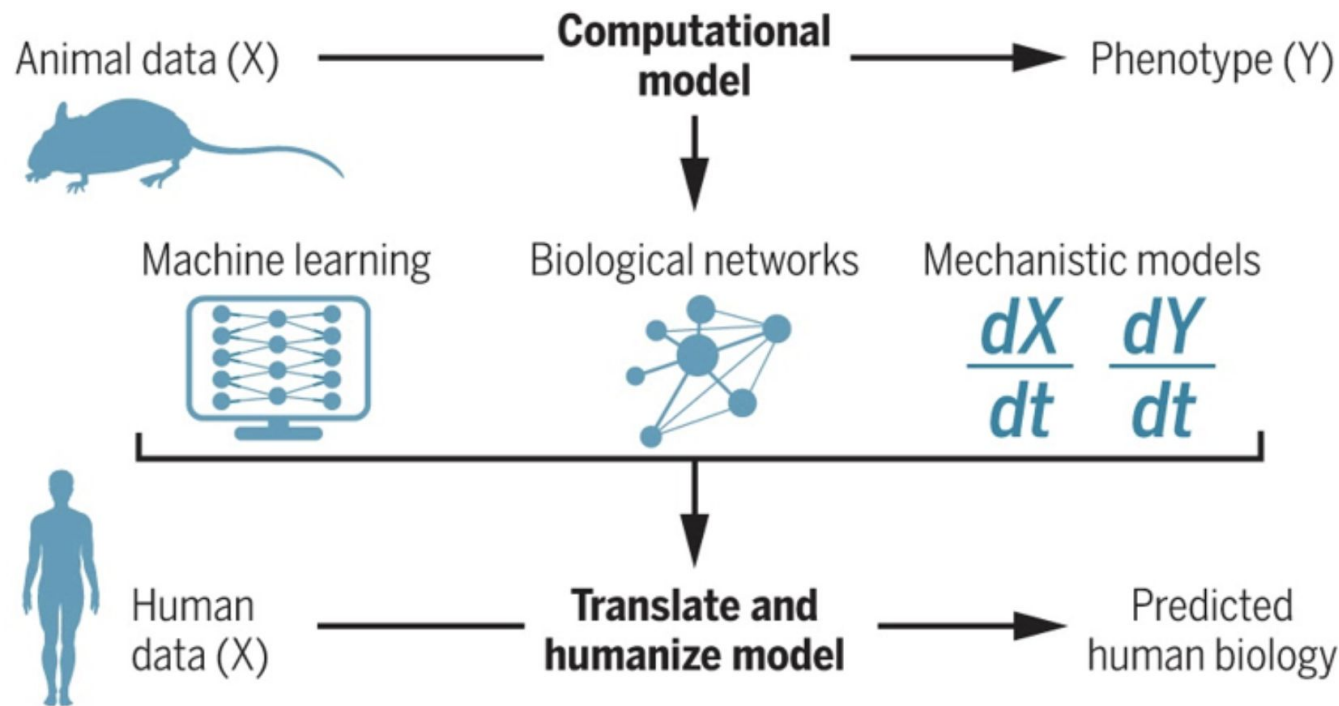
Development of "Minimum Viable" and "Most Comprehensive" Panels of Biomarkers of Ageing

Financial Instruments Tied to Biomarkers of Aging

Technological due-diligence for venture investors to evaluate the claims of emerging companies whether their technologies can deliver actual results on humans will be made available in detailed formats.

An analytical panel could also be launched for InsurTech-HealthTech companies focused on the retails clients. Currently we are aware of at least 6 companies working on similar types of solutions, and we can envision the emergence of another 10-20 such companies in the next 2-3 years.

Depending on the management, scientific team, and business executive team, we will see a variety of specific structuring of biomarker panels and actual analytical/financial products based on them.

Longevity Governance
Big Data Analytical Dashboard

Longevity Governance Dashboard

12,000 Data Points

240 Parameters

50 Regions

6 Layer Framework

100+ Dynamic Charts

50 SWOT Profiles

Country Ranking by Size of Gap Between Healthy Longevity and Life Expectancy

10.55 ▮ 6.70

AGING ANALYTICS AGENCY

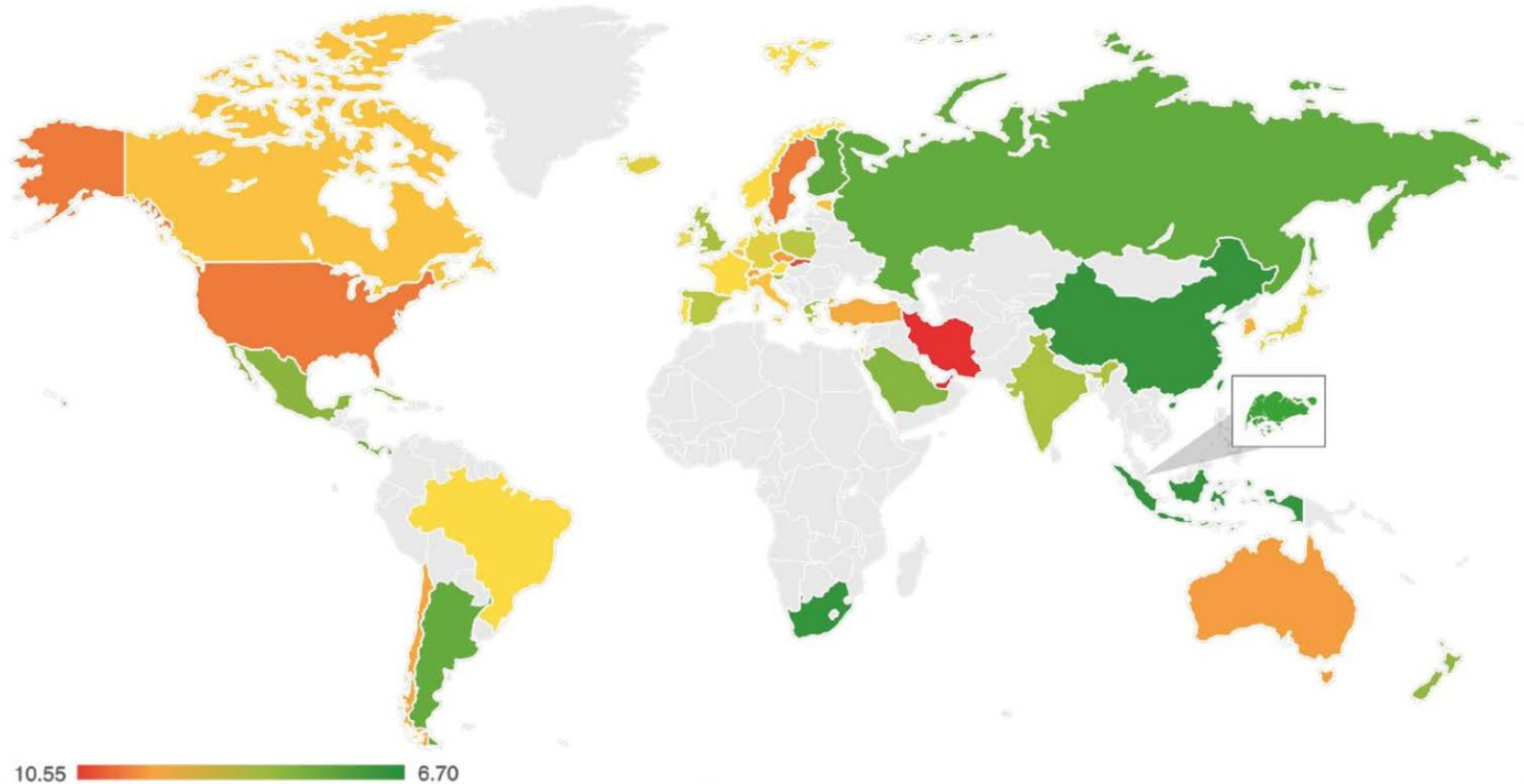Longevity Industry Dashboards

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Longevity Governance Analytics
Interactive Charts

Netherlands
New Zealand
Norway
Panama
Poland
Portugal
Qatar
Republic of Korea
Russia
Saudi Arabia
Singapore
Slovakia
Slovenia
South Africa
Spain
Sweden
Switzerland
Turkey
United Arab Emirates
United Kingdom

United Kingdom

Filter Chart

Society 0.52

Demography 0.33

Economy 0.64

Environment and Infrastructure 0.95

Health and Healthcare 0.66

Longevity Progressiveness Ranking 0.68
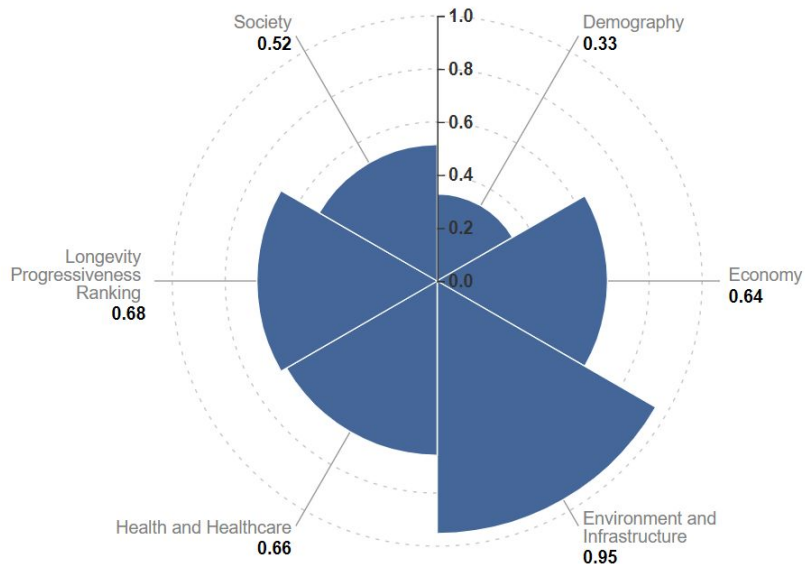
Global Healthy Longevity Landscape Overview (Gap between HALE and Life Expectancy)
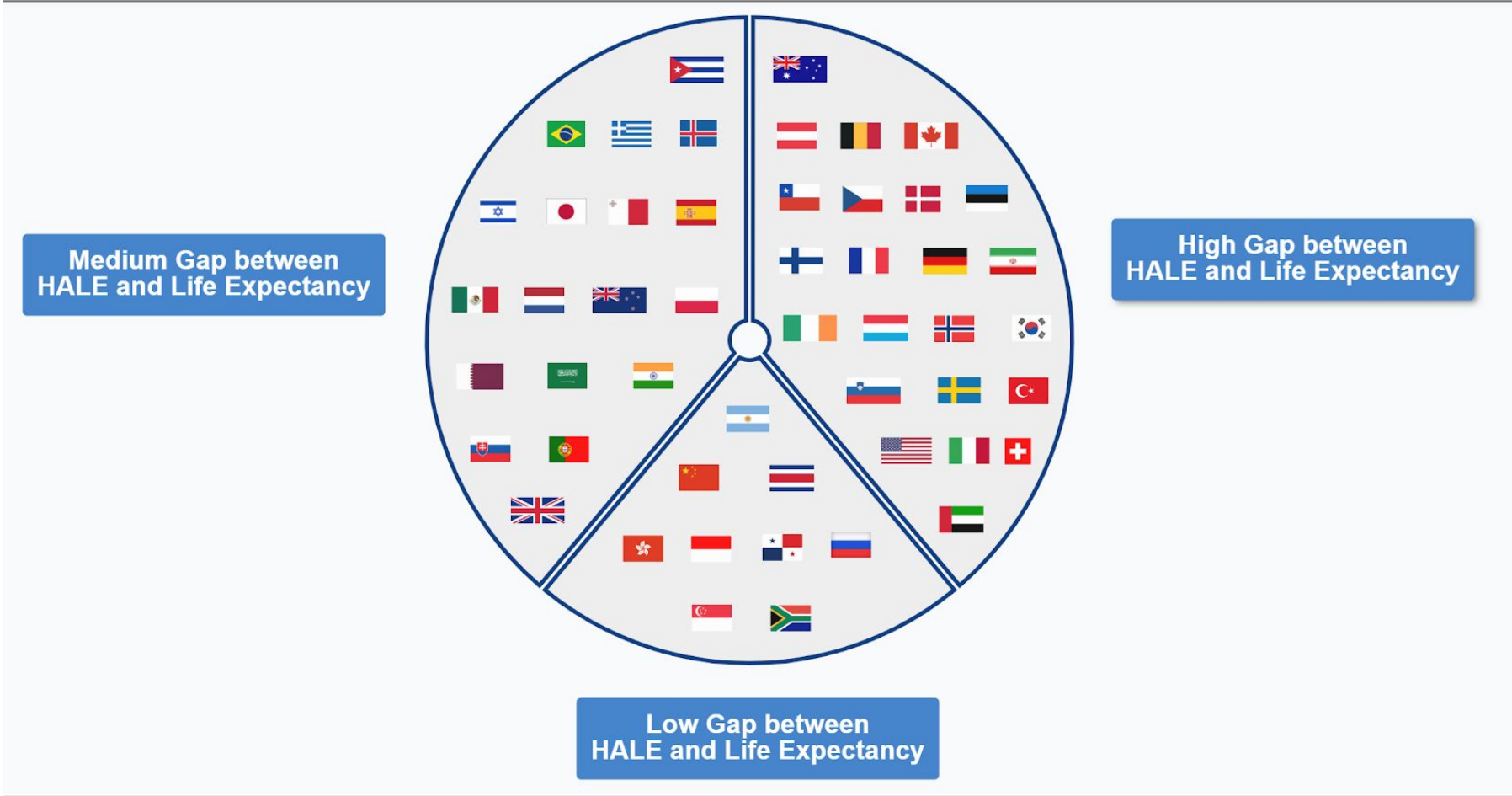
Medium Gap between HALE and Life Expectancy

High Gap between HALE and Life Expectancy

Low Gap between HALE and Life Expectancy

Full Big Data Analysis
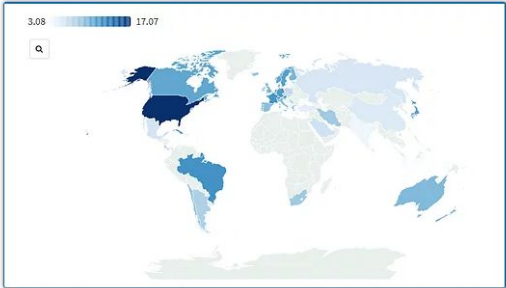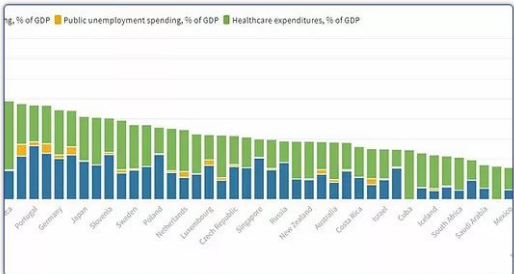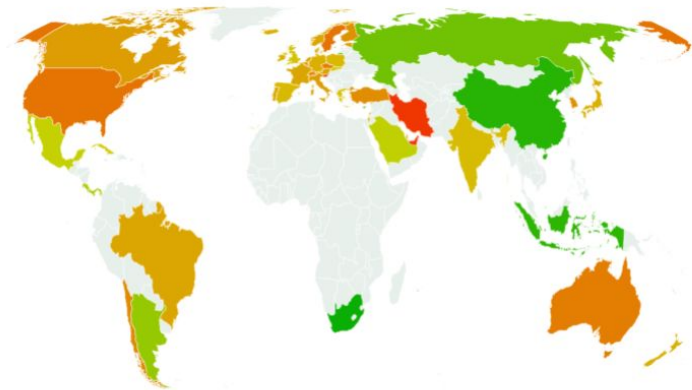
AGING ANALYTICS AGENCY
Longevity Industry Dashboards

Big Data Framework

Regions Ranking

Causal Analysis

Big Data Analysis

Current Trends

Practical Reccomendations

Introduction & Big Data Comparative Analysis Framework
METRIC LAYERS
View More

Longevity Progressiveness Ranking of 50 Regions
View More

Major Factors Determining Healthy Longevity
View More
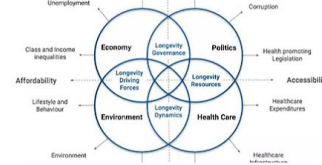
50 Regions SWOT Profiles

COVID-19 Dashboard

Big Data Comparative Analysis: Healthy Longevity in 50 Regions
View More
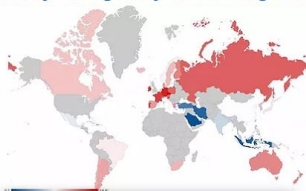
Current Trends in Life Expectancy and Healthy Longevity
View More
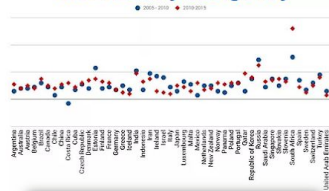
Conclusions and Practical Recommendations
View More

- 10,000 Data Points
- 2,000 Parameters
- 50 Regions
- 6 Layer Framework
- 100 Dynamic Charts
- 50 SWOT Profiles

www.aginganalytics.com/longevity/governance-dashboard

National Longevity Industrial Strategy in the UK

The Example of the UK All-Party Parliamentary Group for Longevity

All Party Parliamentary Group for Longevity

"This is a very important group looking at the most important single issue for society in the next 30 years"

— Sir John Bell, Regius Professor of Medicine at Oxford University

Purpose

The All Party Parliamentary Group (APPG) for Longevity was set up in March 2019 to address the scientific, technological and socio-economic issues relating to our ageing demographic and promote living younger, healthier and longer lives. The APPG is aiming to produce, with partners and experts, a draft National Strategy by end 2019 setting out what the United Kingdom needs to do to meet the goal set by Government of five more years of healthy life expectancy by 2035 (HLE + 5) and at the same time to close the large social gap in healthy life expectancy. Through an ambitious action plan in 2020, the APPG aims to turn the 'problem' of ageing into one of the most promising opportunities of the 21st century – and secure Britain's place as a global leader in longevity by providing access to the 'longevity dividend' to everyone equitably in society.

To contact us please email
APPG@longevityinternational.org

The Governance Framework for the APPG can be viewed here; the most recent Income & Expenditure Statement is available here.

Launch of APPG for Longevity, House of Commons, 7 May 2019

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

---

All Party Parliamentary Group for Longevity

appg

The Health of the Nation

A Strategy for Healthier Longer Lives

February 2020

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

COVID-19 Big Data Analytics Dashboard

COVID-19 Regional Safety Assessment
250 Countries, Regions & Territories

140+ **Parameters**	**250+** **Countries and Regions**	**35000+** **Data Points**
30 Indicators	**11 Proprietary Parameters**	**6 Categories**
80+ Infographic Charts	**9 Correlations**	**6 Proprietary Indicators**

COVID-19 Regional Safety Assessment Analytical Framework

DEEP KNOWLEDGE GROUP

Quarantine Efficiency

Scale of Quarantine	Quarantine Timeline
Criminal Penalties for Violating Quarantine	Economic Support for Quarantined Citizens
Economic Supply Chain Freezing	Travel Restrictions

Government Efficiency of Risk Management

Level of Security and Defense Advancement	Rapid Emergency Mobilization
Efficiency of Government Structure	Economic Sustainability
Pandemic Readiness	Legislative Efficiency

Monitoring and Detection

Monitoring Systems & Disaster Management	Scope of Diagnostic Methods
Testing Efficiency	AI for Diagnostics and Prognostics
Government Surveillance Technology for Monitoring	Reliability and Transparency of Data

Healthcare Readiness

COVID-19 Equipment Availability	Mobilization of New Healthcare Resources
Quantity and Quality of Medical Staff	Level of Healthcare Progressiveness
Level of Technological Advancement	Epidemiology System Level of Development

Regional Resiliency

Infection Spread Risk	Culture Specifics and Societal Discipline
Level of Modern Sanitization Methods	Demography
Chronic Diseases	Geopolitical Vulnerability

Emergency Preparedness

Societal Emergency Resilience	Emergency Military Mobilization Experience
Surveillance Capabilities	Previous National Emergency Experience

COVID-19 Regional Safety Index: Data Sources

Data collection is an essential stage of the research. Accurate data collection is essential to maintaining the integrity of research. To answer relevant questions of the working paper and evaluate outcomes, data used for this analysis was collected from credible sources.

|	
World Health Organization	OECD Data
World Bank Open Data	Government Reports
Peer-Reviewed Scientific Publications	Worldometers
E-Government Development Index	Human Development Index
UNdata	Corruption Perceptions Index
IndexMundi	Our World in Data
World Population Review	TheGlobalEconomy.com
EuropePMC	The Lancet
GHS Index	WORLD LIFE EXPECTANCY
WCRF International	ProCon.org

GeoEconomic Dashboard

COVID-19 Global Analytics Dashboard

- Quarantine Efficiency
- Government Efficiency
- Monitoring & Detection
- Healthcare Readiness
- Country Vulnerability
- Emergency Preparedness

COVID-19 Regional Safety Assessment
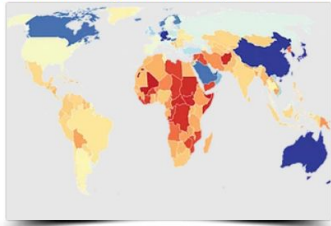
View More

COVID-19 Dynamics
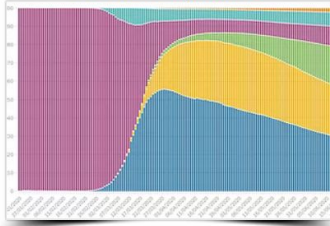
View More

List of Regions

Full List of 250 Regions, Countries and Territories

View More

MedTech IT-Platform

Safety Score of 30 Regions

COVID-19 Interactive Mindmaps

35,000+

Data Points

Were used in this special analytical case study

Regional Distribution

- Africa
- Asia & Oceania
- Americas
- Europe
- Middle East

COVID-19 Regional Safety Assessment Regional Distribution

COVID-19 Regional Safety Assessment

Legend 300 525 750
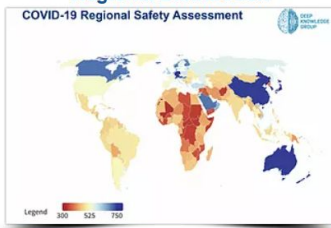
View More

Methodology

Analytical Framework and Methodology

View More

Correlation Between Indicators

Correlation between ratio of fatal cases and other indicators
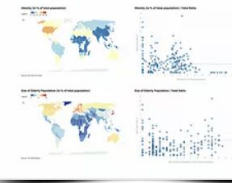
View More

Correlation between ratio of fatal cases and other indicators

- Obesity
- Population Density
- Diabetes prevalence
- Incidence of tuberculosis
- Current health expenditure
- Number of Doctors

www.dka.global/covid-dashboard

COVID-19 Regional Safety Assessment
250 Countries, Regions & Territories

140+ Parameters

250+ Countries and Regions

35000+ Data Points

COVID-19 Regional Safety Assessment (250 Regions)

Legend
300   525   750
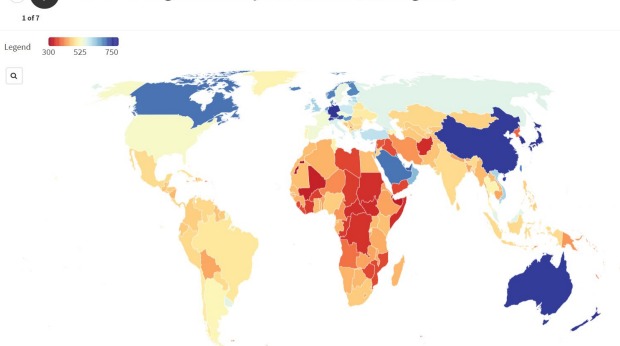
COVID-19 Quarantine Efficiency (250 Regions)

Legend
80   110   180

Vatican
Quarantine Efficiency: 118.14
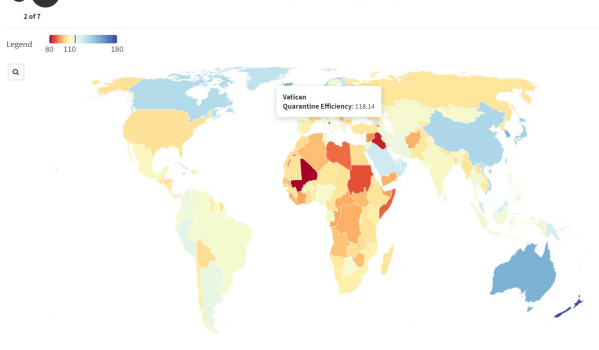
COVID-19 Country vulnerability (250 Regions)

Legend
40   75   110
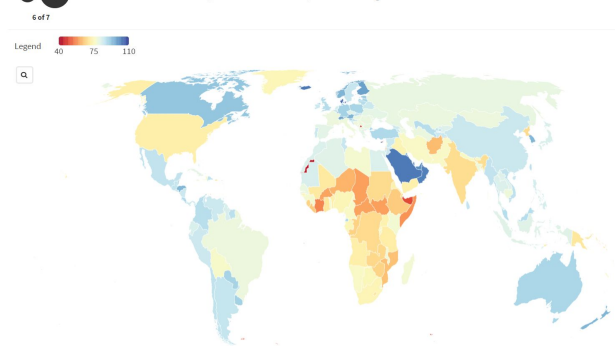
COVID-19 Government Efficiency (250 Regions)

Legend
40   120   200
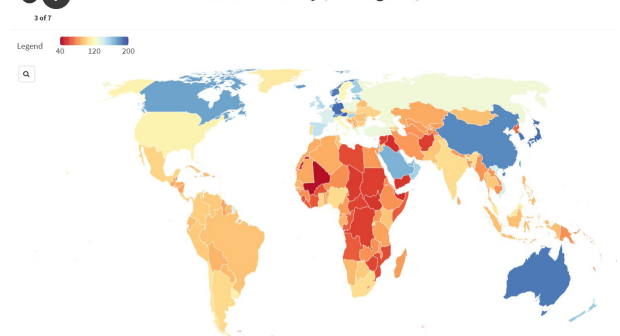
COVID-19 Monitoring and Detection (250 Regions)

Legend
40   80   150
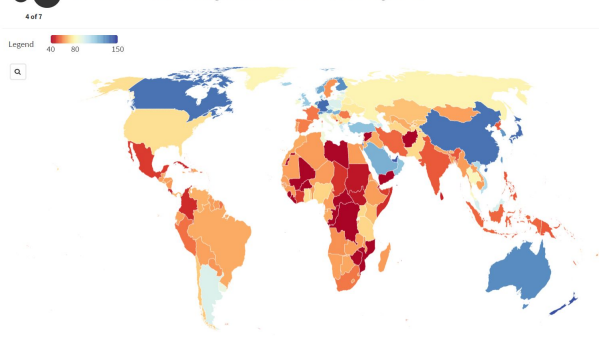
COVID-19 Healthcare Readiness (250 Regions)

Legend
10   60   110
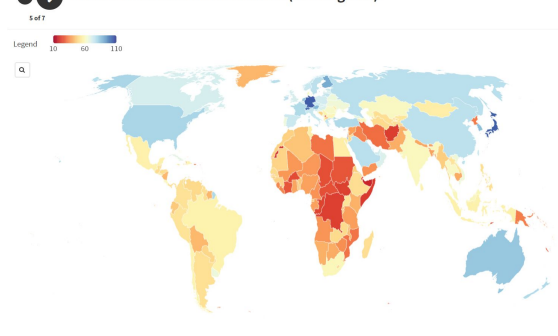
COVID-19 Regional Safety Assessment (30 Countries & Regions)

Enter series to show

■ Quarantine Efficiency ■ Gov Efficiency ■ Monitoring and Detection ■ Healthcare Readiness ■ Country vulnerability ■ Emergency preparedness

Germany

Quarantine Efficiency	Gov Efficiency	Monitoring and Detection	Healthcare Readiness	Country vulnerability	Emergency preparedness	Total
145.5	185.92	138.24	103.73	89.74	99.5	762.63

New Zealand

| 175.26 | 156.83 | 144.31 | 78.76 | 94.41 | 108.13 | 757.7 |

South Korea

| 149.45 | 183.31 | 127.07 | 85.6 | 94.23 | 111.13 | 750.79 |

Switzerland

| 146.95 | 174.3 | 131.61 | 99.88 | 96.98 | 100.31 | 750.03 |

Japan

| 139.69 | 185.39 | 137.31 | 103.42 | 82.2 | 101 | 749.01 |

Australia

| 150.15 | 182.32 | 130.21 | 83.7 | 88.83 | 109.63 | 744.84 |

China

| 137.13 | 177.79 | 136.09 | 76.61 | 84.7 | 132.46 | 744.78 |

Austria

| 123.1 | 188.11 | 123.35 | 86.77 | 94.73 | 109.75 | 725.81 |

United Arab Emirates

| 125.1 | 162.46 | 142.35 | 72.32 | 99.87 | 121.25 | 723.35 |

Singapore

| 145.03 | 156.97 | 146.94 | 83.63 | 99.27 | 90.88 | 722.72 |

0   100   200   300   400   500   600   700   800

COVID-19 Regional Safety Assessment (250 Regions)

Legend
300   525   750

DER SPIEGEL 🇩🇪

"According to a ranking, the Federal Republic is currently the safest and most stable country in Europe and even the second safest in the world. Only Israel manages the crisis better, according to the country comparison of the London Deep Knowledge Group (DKG) , which is exclusively available to SPIEGEL."

Read Article

NIKKEI ASIAN REVIEW 🇯🇵

"The countries that will be able to provide long-lasting protection for their citizens, and stay stable, they will to some extent automatically attract financial activity," Dmitry Kaminskiy, DKV's founder and managing partner, told the Nikkei Asian Review."

Read Article

FOX NEWS channel 🇺🇸

"The Palestinians benefit from the Israeli assistance, since Israel was just ranked the safest country in the world during the pandemic by the Deep Knowledge Group." - Fox News says."

Read Article

DW Deutsche Welle 🇬🇷

"Germany is the safest country in Europe, with Greece in 30th place and Cyprus in 29th place. In their research, DKG analysts took into account many different criteria, such as the validity of restrictive measures, the number of quarantine violations, the range of travel bans, the number of diagnostic tests and the availability of hospital beds."

Read Article

Esquire 🇵🇭

"Deep Knowledge Ventures, which is focused on health care and longevity technology, ranked 20 countries in Asia Pacific on these parameters: lowest likelihood of infection, lowest chance of mortality, and highest likelihood of recovery based on efficiency of quarantine and government management, monitoring and detection, and emergency treatment readiness."

Read Article

Forbes 🇺🇸

"The Deep Knowledge Group, a respected a consortium of commercial and non-profit organizations, has just published an interim review of measures to combat the COVID-19 pandemic, including a "Safety Countries Ranking" of the 40 countries that are doing the best job of protecting their citizens against coronavirus."

Read Article

RTL 🇱🇺

"In order to assemble the ranking, DKG analysts gathered information on several factors, including the period of lockdown and the number of confinement infractions per country. Other indicators are travel bans, coronavirus testing and how well hospitals are equipped in each country."

Read Article

WELT 🇩🇪

"According to Deep Knowledge Group Germany manages extremely well to protect its population against the dangers of coronavirus. In an analysis by the Hong Kong and London-based company, Germany ranks the second worldwide when it comes to providing security and dealing with the crisis."

Read Article

The Washington Times 🇺🇸

"A list of the world's 10 current "safest countries," compiled by the London-based Deep Knowledge Group, includes classic European-style parliamentary democracies (Israel, Australia and New Zealand), densely populated city-states (Singapore and Hong Kong) and totalitarian (China)."

Read Article

Forbes 🇺🇸

"Deep Knowledge Group has developed advanced analytical frameworks to analyze this data. The results are presented in the form of open source country rankings to help people and governments make informed decisions that maximize beneficial outcomes for humanity."

Read Article

DER SPIEGEL 🇩🇪

"Internationally, its crisis management is praised. In the country comparison of the London Deep Knowledge Group on the corona crisis, Germany is currently the safest and most stable country in Europe and the second safest in the world , with Israel as the front runner. Spahn can be celebrated and gives interviews to international broadcasters such as CNN."

Read Article

euronews. 🇹🇷

"According to research by Deep Knowledge Group, the COVID-19 crisis is best managed by Israel on a global scale. Germany is the second and South Korea is the third.Deep Knowledge Group, a London-based artificial intelligence and data analysis company."

Read Article

INTERNATIONAL DEVELOPMENT INSTITUTIONS AND NON-GOVERNMENTAL ORGANIZATIONS

NOTABLE PERSONS

Deep Knowledge Group
@DeepTech_VC

#Covid19 #CARCrisis

#COVID_19 reduces #safety and constrains #economy and #SDGs in #LDC.
#CentralAfricanRepublic is #248 of 250 countries, territories, and regions in the #Covid_Safety_Assessment. ➡️dkv.global/covid-safety-a...

@OMSCentrafrique
@UNHCR_CAR
@OCHA_CAR
@UNICEF_CAR

The United Nations Office for the Coordination of Humanitarian Affairs (OCHA) in the Central African Republic

OCHA in the Central African Republic retweeted about Deep Knowledge Group's COVID-19 Safety Ranking published on 26th of August 2020.

3 GOOD HEALTH AND WELL-BEING

17 PARTNERSHIPS FOR THE GOALS

홍남기

'한국이 코로나19 100대 안전국가중 3위로 선정'되었다고 미국 포브스紙(Forbes) 보도

▷ 미국 경제전문지 포브스紙(Forbes, 9.3일)는 홍콩 기반의 씽크탱크 DKG(Deep Knowledge Group)의 연구보고서를 인용하여 '한국이 코로나19 100대 안전국가중 3위'라고 보도했습니다.

동 보고서는 전 세계 250개국을 대상으로 코로나19와 관련된 경제, 정치, 보건·의료의 안전성을 평가하였습니다. 이는 방역효율성, 위기대응능력 등 6개 카테고리, 30개 지표, 140개 변수에 대해 빅데이터 기법을 활용, 분석·평가하여 각국의 안전점수를 산출한 것입니다. ...

Hong Nam-ki

Deputy Prime Minister of South Korea

Hong Nam-ki posted about Deep Knowledge Group's COVID-19 Safety Ranking published on 26th of August 2020.

한국 코로나19 안전국가 3위 선정 (포브스지 보도)

SAPRAC ✓
@SapracOrg

According to Deep Knowledge Group, #SaudiArabia is the 12th safest country for #Covid19

Via @Forbes

COVID-19 Regional Safety Assessment 250 Countries, Regions & Territories

Saudi American Public Relation Affairs Committee

SAPRAC tweeted about Deep Knowledge Group's COVID-19 Safety Ranking published on 26th of August 2020.

The 100 Safest Countries For COVID-19: Updated

TOP TIER PRESS

KBS WORLD

Domestic

Minister Praises S. Korea for Forbes Ranking as 3rd Safest Country for COVID-19

Write: 2020-09-16 16:51:51   Update: 2020-09-16 18:26:07

The 100 Safest Countries In The World For COVID-19

COVID-19 Average Score by Regions

KBS WORLD Radio

South Korea Media

KBS WORLD Radio, Korea's flagship public international broadcaster, wrote about Deep Knowledge Group's COVID-19 Safety Ranking published on 26th of August 2020.

NOTABLE PERSONS

Karin Prien
@PrienKarin ✓

Im Ländervergleich liegt Deutschland sehr weit vorn:

"Deutschland hat im Vergleich zu den anderen Ländern derzeit das beste Sicherheits- und Stabilitätsranking in Europa und gehört auch weltweit zu den führenden Nationen in Sachen Krisenmanagement."

Karin Prien
German Minister

German Minister of Minister of Education, Science and Culture, Karin Prien, tweeted Der Spiegel Article about Deep Knowledge Group's COVID-19 Rankings published on 14th of April 2020.

Hermann Gröhe ✓
About 7 months ago

SUPPORTIVE GOVERNMENTS DURING THE COVID-19 PANDEMIC

SUPPORT LEVEL		SUPPORT
#1 GERMANY		#9 SWI
#2 USA		#10 ITAL
#3 JAPAN		#11 ISR
#4 UK		#12 CAN
#5 AUSTRIA		#13 SOL
#6 FRANCE		#14 SPA
#7 SINGAPORE		#15 FINL
#8 HONG KONG		

SOURCE: WWW.DKV.GLOBAL/COVID

Wir sind ein starkes Land! Platz 1 weltweit bei den staatlichen Unterstützungsprogrammen in der Corona-Krise. Und solidarisch in und der Welt

Hemann Gröhe
Former Minister of Health

Hermann Gröhe is a German lawyer and politician of the Christian Democratic Union who served as Minister of Health in the third cabinet of Chancellor Angela Merkel from 2013 until 2018.

GOVERNMENTAL BODIES

التواصل الحكومي ✓
@CGCSaudi

تقرير دولي: المملكة في المركز الـ 17 عالميًا في مواجهة جائحة كورونا، على صعيد الأمان الصحي وفعالية الوقاية والرعاية. #التواصل_الحكومي
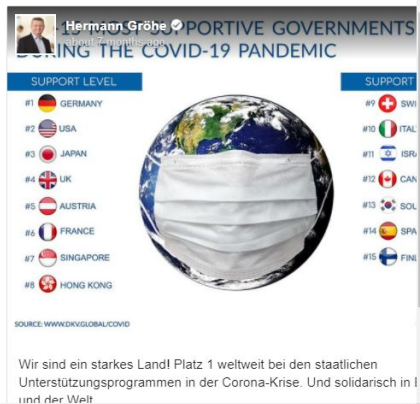
The Saudi Government Communication Center
Ministry of Media

The Government Communication Center is one of the vital arms of the Ministry of Information, whose main task is to strengthen and integrate the tools of government communication. The Center tweeted about Deep Knowledge Group's COVID-19 Safety Ranking published on 4th of June 2020.

DEEP KNOWLEDGE GROUP

في المواجهة الناجحة لكورونا
المملكة في المركز 17
بين 200 دولة حول العالم

وفقاً لتقرير بحثي دولي استند إلى أرقام كبرى للمنظمات الدولية

GOVERNMENTAL BODIES

Dubai Tourism ✓
@dubaitourism

#UAE ranks first in the Arab region and 11th globally in @Forbes' list "The 100 Safest Countries In The World For COVID-19" bit.ly/2XHHamx

GOVERNMENT OF DUBAI
DUBAI Tourism

DubaiTourism
Government Office

Dubai's Department of Tourism and Commerce Marketing tweeted about Deep Knowledge Group's COVID-19 Safety Ranking published on 4th of June 2020.

✚ FORMER PRESIDENT

Alain Berset

Former President of Switzerland

Alain Berset is Federal Councillor, Head of the Federal Department of Home Affairs (DFI) and former President of the Swiss Confederation. Alain Berset mentioned Deep Knowledge Group's COVID-19 Safety Ranking published on 4th of June 2020 on his Twitter account.

DIVERSITY is POWER

Alain Berset ✔
@alain_berset
Conseiller fédéral, chef du Département fédéral de l'intérieur (DFI) 🇨🇭
Translated from French by Google
Federal Councilor, Head of the Federal Department of Home Affairs (DFI) 🇨🇭
📍 Suisse 🔗 alainberset.ch 📅 Joined November 2010
919 Following   **129.3K** Followers
Followed by Steflongevity, Schweizerische Botschaft in Österreich, and 34 others you follow

Tweets   Tweets & replies   Media   Likes

🔁 Alain Berset Retweeted
Prof Didier Pittet ✔ @DidierPittet · Jun 8
The 100 Safest Countries In The World For COVID-19. Not unexpected #Switzerland possibly liste as the safest #country in the world against #Covid_19 @BAG_OFSP_UFSP @UNIG @UNIGEnews @Hopitaux_unige @WHO
COVID-19 Average Score by Regions

✚ GOVERNMENTAL BODIES

The Federal Department of Foreign Affairs presents

✚ HOUSE OF SWITZERLAND

House of Switzerland

Federal Department of Foreign Affairs

House of Switzerland is managed by Presence Switzerland, the unit of the Federal Department of Foreign Affairs that is competent for the image of Switzerland abroad, and implements the strategy of the Federal Council on Switzerland's communication abroad. House of Switzerland tweeted about Deep Knowledge Group's COVID-19 Safety Ranking published on 4th of June 2020.

Suisse ✔
@Suisse

Le pays de la planète le plus sûr face à l'épidémie de #COVID19, du point de vue des risques sanitaires et économiques? La Suisse, selon une étude du Deep Knowledge Group, un consortium international spécialisé dans l'analyse de données scientifiques.

✡ PRIME MINISTER

Benjamin Netanyahu

Prime Minister of Israel

Prime Minister of Israel, Benjamin Netanyahu several times tweeted about Deep Knowledge Group's COVID-19 Rankings published both on 31st of March 2020 and 14th of April 2020.

Benjamin Netanyahu ✔
@netanyahu

המגזין הבינלאומי פורבס מדרג את ישראל כמדינה הבטוחה ביותר בעולם במגיפת הקורונה.

ממשיכים להילחם, להציל חיים - ולנצח. מועדים לשמחה!

Forbes

84,941 views · Apr 13, 2020, 08:30pm EDT

Deep Analysis Of Global Pandemic Data Reveals Important Insights

Margaretta Colangelo Contributor
COGNITIVE WORLD Contributor Group ⓘ
AI
Co-founder and Managing Partner at Deep Knowledge Group

Ministry of Foreign Affairs

Israel

The Ministry of Foreign Affairs of Israel published on their website the full speech of the Prime Minister, addressed to the nation, mentioning Deep Knowledge Group.

Israel Ministry of Foreign Affairs

MFA Press Room About the Ministry Consular Services Foreign Policy International Orgs About Israel Diplomacy in Video

PM Netanyahu's statement with Health Ministry Director General Moshe Bar Siman Tov
01 Apr 2020

See Publication

Brasil Pension Funds Industry

Brasil Pension Funds Industry Overview

BRAZIL

Recent **reform** of Brasil's Pension System

306 pension funds

7.2 million people market

$239 billion in assets

LATAM Financial Industry - Major Sectors of Opportunity

LONGEVITY FINTECH

PENSIONTECH

AGE FRIENDLY BANKING

INSURTECH

INVESTMENTS IN LONGEVITY

LATAM FINTECH LANDSCAPE OVERVIEW 2020

2020

Brazil's Central Bank Just Revolutionized Instant Payments

BloombergOpinion

Mac Margolis

🔖 Bookmark

Published on October 20 2020, 8:00 PM
Last Updated on October 21 2020, 5:24 PM

FINANCIALS   MARCH 26, 2020 / 11:10 PM / UPDATED 8 MONTHS AGO

UPDATE 1-Brazil opens funding for fintechs through state development bank

By Carolina Mandl   3 MIN READ

(Adds monetary council decision, confirming previous story)

SAO PAULO, March 26 (Reuters) - Brazil's monetary council on Thursday said the country's fintechs will be able to obtain funding from development bank BNDES, as their usual financing channels have dried up due to coronavirus-linked market tensions.

The authority also said that fintechs will be allowed to issue credit cards as an alternative source of revenue.

FINANCIAL TIMES   myFT

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man's top dealmaker quits for | Three ways the banks will be | Bank regulator calls for dividends | Biden's Covid-19 warning, Airbnb
te equity Premium | winners from Covid recovery | to remain on hold | IPO, Saudi Aramco bonds

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THE WALL STREET JOURNAL.   Morning Risk Report   Sponsored by: Deloitte.   READ NOW

Banks   + Add to myFT

Brazil's banks face pincer threat from big tech and fintech

Online competitors are eating into market share and WhatsApp has launched a new payments service

DEALS

General Atlantic Leads $300 Million Growth Round for Brazilian Fintech Company

The new funding round for Neon Pagamentos comes less than a year after the company announced it had raised $92 million for a previous financing round

By Laura Cooper
Updated Sept. 1, 2020 11:00 pm ET

Growth-equity firm General Atlantic has led a $300 million funding round for Brazilian financial technology company Neon Pagamentos SA to help foster the company's continued growth.

investors
CHRONICLE   FT

Top Rated 2020
30 October - 20 November 2020

ANGELO
GORDON

AG Net Lease has flexible
real estate capital solutions
for single tenant users.

Brasil is the Leading LATAM FinTech Hub

- As of 2018, reestablished itself as the FinTech authority in LATAM with over 500 startups.
- In 2020, JPMorgan-backed Brasilian FinTech company FitBank Pagamentos Eletronicos SA announced expansion to US and Mexico.

AMERICAN BANKER

LEADERS   POLICY & REGULATION   COMMUNITY BANKING   CREDIT UNIONS   MORE ⌄

FINTECH

JPMorgan-backed Brazil fintech plans to expand in U.S., Mexico

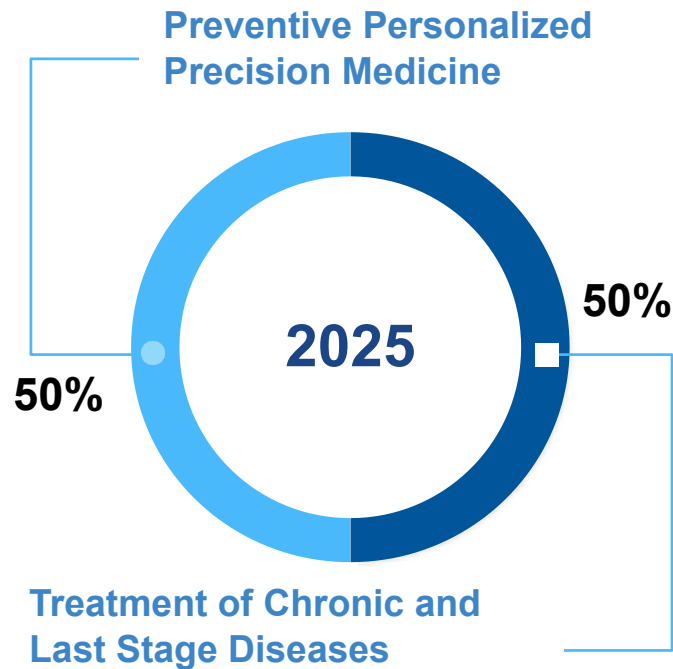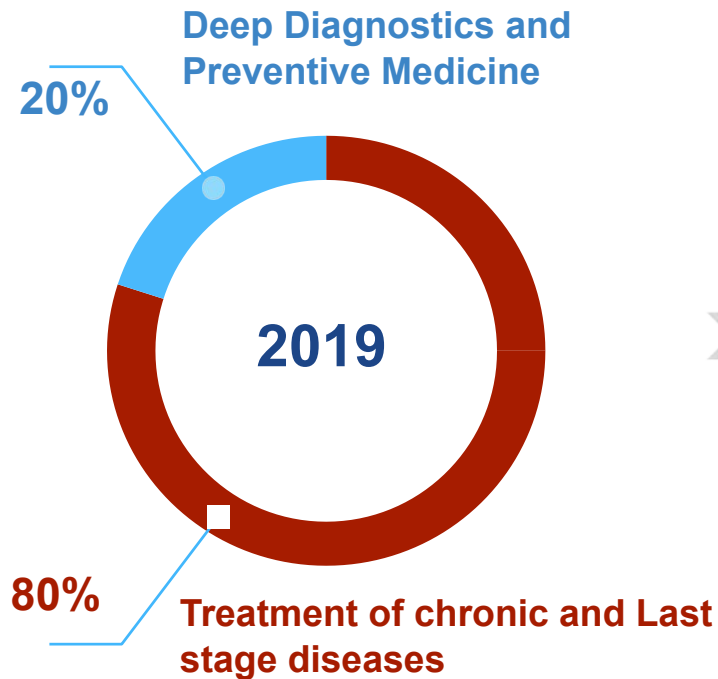September 22, 2020, 2:49 p.m. EDT   2 Min Read

FitBank Pagamentos Eletronicos SA, a Brazilian fintech backed by JPMorgan Chase, plans to open a U.S. office in the first half of 2021.

Evolution of Longevity Industry

Paradigm Shift from Treatment to Prevention

Deep Diagnostics and Preventive Medicine

20%

2019

80%

Treatment of chronic and Last stage diseases

Preventive Personalized Precision Medicine

50%

2025

50%

Treatment of Chronic and Last Stage Diseases

The New Frontier - from Precision Medicine to **Precision Health**

Deep Diagnostics and Preventive Medicine

2019

50%

50%

Prevention of Pathologies at the Early Stage

Stabilized State of Health and Biological Age

2025

50%

50%

Optimized Function of Immune System
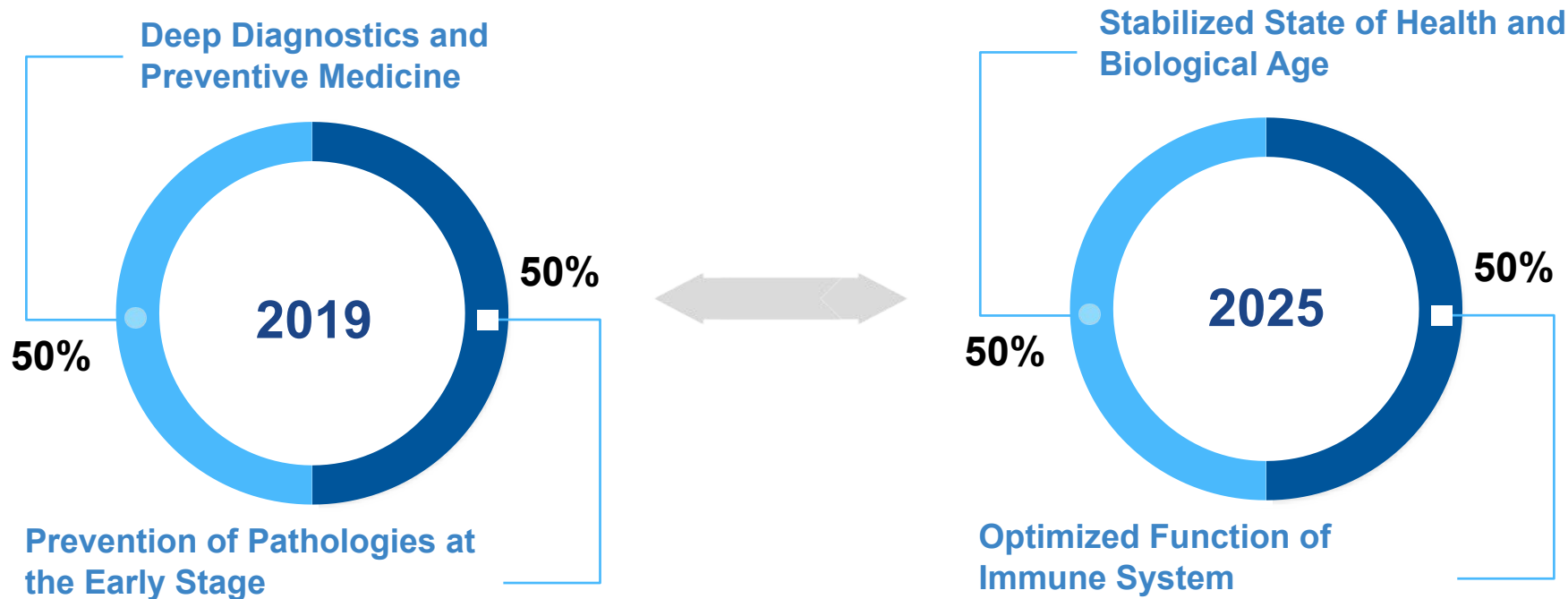
1 Trillion Dollar over 10 years

for Progressive Development

of the Longevity Industry

100 Billions per year

150 Billions Annual Budget on the R&D in Cancer Research

Cancer is Only 1 Age Related Specific Disease

Cancer 10 years ago was considered as almost sentence to death

Now Cancer is considered as a very complex, but treatable in most cases disease

Two Possible Scenarios of Longevity MegaTrends

Advancing Biomedicine

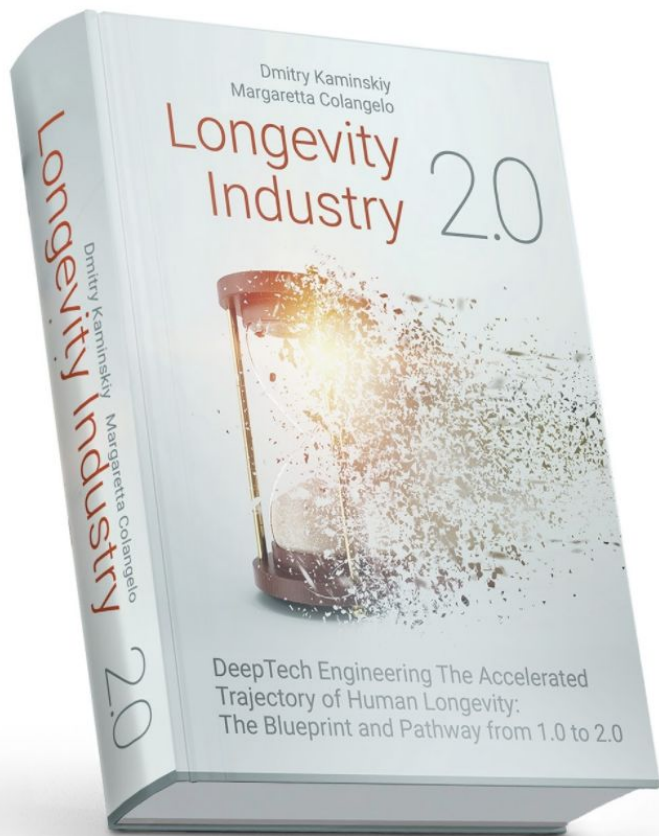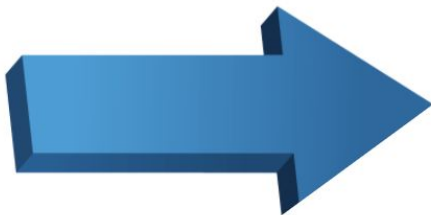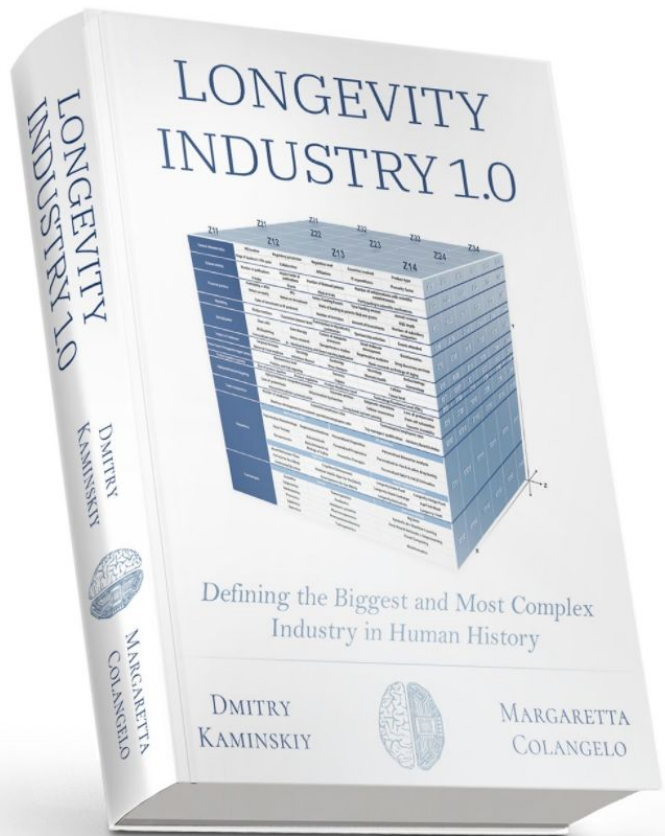Potential Market Size

Silver Tsunami
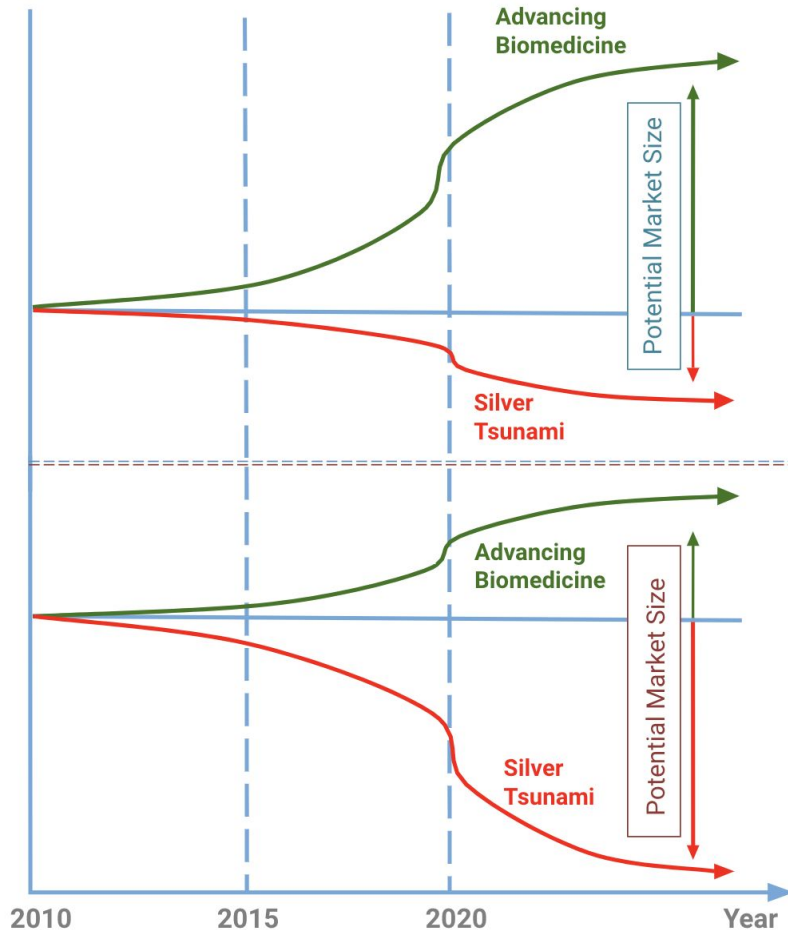
Positive Scenario

Most progressive and technocracy-driven countries will work proactively to address these issues and implement a positive scenario. Financial institutions operating in those regions should have sophisticated long-term forecasting to reformulate their business models in order to minimize the challenges and to maximize the utilization of opportunities associated with these two opposed megatrends.

Advancing Biomedicine

Potential Market Size

Silver Tsunami

Pessimistic Scenario

In reality, most countries will fail to address these challenges in advance due to a lack of will and technological capability, missing their window of opportunity to benefit from the progress in biomedicine, and to neutralize the worst effects of population ageing. Financial institutions operating in those regions should utilize pragmatic forecasting, and to adjust and optimize their business models accordingly.
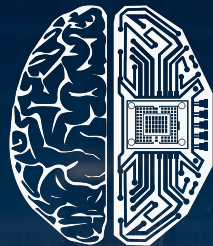
2010   2015   2020   Year

LONGEVITY INDUSTRY 1.0

LONGEVITY INDUSTRY 1.0

Defining the Biggest and Most Complex
Industry in Human History

DMITRY
KAMINSKIY

MARGARETTA
COLANGELO

Longevity Industry 2.0

Dmitry Kaminskiy
Margaretta Colangelo

Longevity
Industry 2.0

DeepTech Engineering The Accelerated
Trajectory of Human Longevity:
The Blueprint and Pathway from 1.0 to 2.0

Longevity Science and Technology Should Become a Commodity

Investable, Tradable, Bankable

There Should be Created and Structured Modern Financial Instruments, Products and Derivatives

There Should be Established New Type of Financial Institutions, such as:

- Longevity Bank

- Longevity Exchange Traded Funds

- Specialised Longevity Stock Exchange