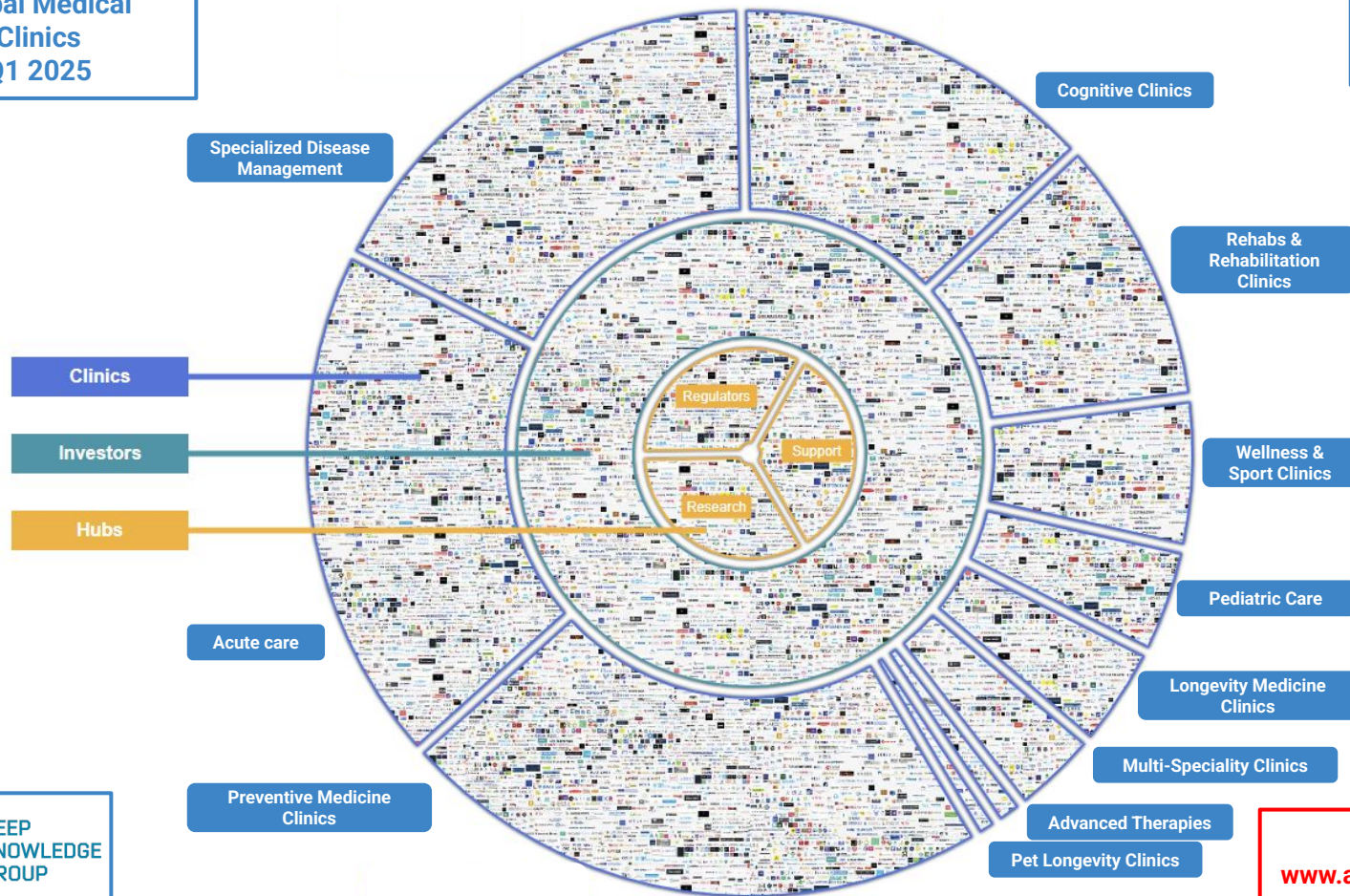


Global Medical Clinics Industry Ecosystem

Q1 2025

Global Medical
Clinics
Q1 2025

Clinics – 9100
Investors – 935
Hubs – 120



GMC Industry Outlook

Drivers of Growth

Population ageing

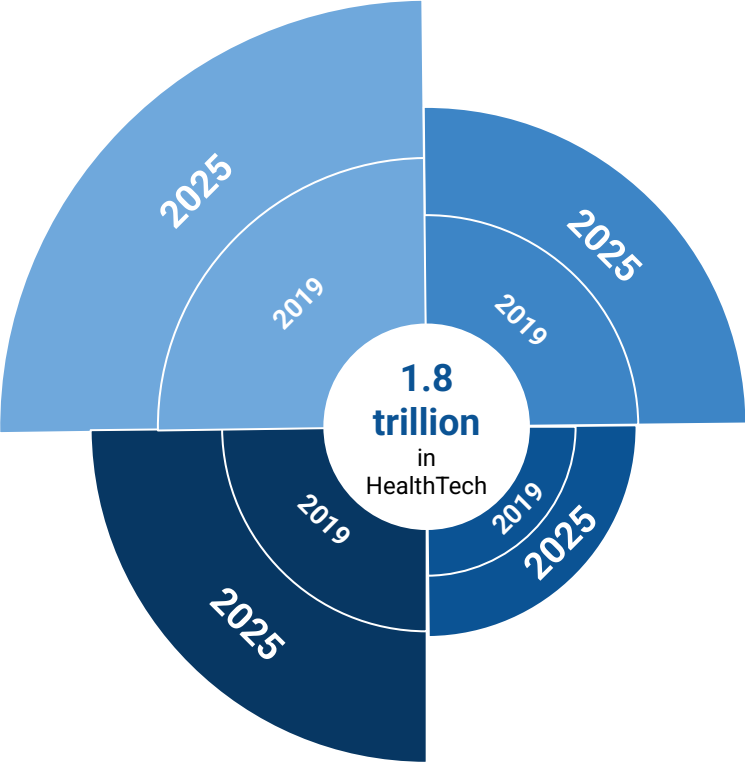
Medical services are in high demand as the world's population ages.

New machines and drugs

New remedies are being developed to meet previously unmet health requirements, stimulating additional technological advancements and pharmacological development.

Patient centricity

A shift to customised health care is underway, and platforms that deliver it to patients (literally) at their doorstep are in high demand.



Pharmaceuticals

\$ 871 → 1200



Medical devices

\$ 475 → 595



CROs*

\$ 37 → 55



Biotechnology

\$ 453 → 656

*Note: CRO is a company that provides support to the pharmaceutical, biotechnology, and medical device industries in the form of research services outsourced on a contract basis.

Global Medicine Clinics Industry Analytical Framework



Longevity Clinics

Explicit goal to maximize healthspan, lifespan, wealthspan

Precision Medicine Clinics

Adoption of Precision approach

Functional Medicine Clinics

Holistic Approach and Root Cause Analysis

Conventional Clinics

Applying the best practices from the modern medicine

Neurohacking Clinics

Cognitive enhancement

Pets Longevity Clinics

Lifespan and healthspan extension for pets

Longevity Rehabilitation Clinics

Longevity and Relaxation, Well-being

Clinics Anti-ranking

Applying bad, unproven, or harmful practices

Platform Overview

Global Medical Clinics Industry

Designed and developed by DKG, this initiative offers a sophisticated analysis through a proprietary suite of tools. Engage with Dashboard 2.0 for real-time insights, explore the industry's strengths and challenges with our SWOT Analysis, and leverage strategic partnerships through the Smart Matching System. GMC Industry offers a range of services including research and in-depth analysis on the Global Medical Clinic industry, profiling of companies and government agencies based on their innovation potential and business activity, consulting and analytical services to advance the overall GMC sector.

[Learn More](#)

Global Medical Clinic Dashboard

GMC Big Data Analytics Dashboard serves as a one-stop-platform for all market and business intelligence operations its customers may need, including benchmarking for companies, technologies, competitive and SWOT analysis for more than 9100 medical clinics.

The Dashboard aggregates data from about 9100 medical clinics divided into 10+ main categories and 40+ subcategories. Based on this data, Dashboard provides users with tools for conducting market intelligence, analysing the industry trends and delivering insights from analytics.

[Get more details](#)

[Sign In](#)



Macro parameters of Global Medical Clinics Industry

Medical Clinics Detailed Profiles

○ Preventive Medicine Clinics	2,650
○ Acute Care Clinics	1,710
○ Wellness Clinics	510
○ Rehabs & Rehabilitation Medicine	910
○ Mental Health Clinics	1,100
○ Specialised Disease Management	1,250

**9,100
CLINICS**

Investors

○ Total Investment Volume (Billions \$)	50
○ Number of Active Investors in 2024	1200
○ Geographical Hotspot Countries	35
○ Private Equity Involvement (%)	62
○ Average Deal Size, Mil \$	15
○ Emerging Markets CAGR (Asia)	20

**1100
INVESTORS**

Hubs

○ Research Bodies	25
○ Regulatory Bodies	10
○ Support Organisations	35
○ Agregators	15
○ Governmental Organisations	40
○ Charity Organisations	15

**121
HUBS**

Medical Leaders Detailed Profiles

○ Medical Doctors	850
○ Longevity Experts	11
○ Functional Medicine Experts	100
○ Hospital Managers	250
○ Researchers	30
○ Subject Matter Experts	undefined

**1,100
LEADERS**

**200,000
NUMBER OF
CLINICS GLOBALLY**

Economical & Financial Metrics

○ Overall Industry Growth (Yearly)	5%
○ Average Profit Margins	12%
○ Return on Assets (ROA)	11%
○ Average Revenue per Clinic (Yearly)	2.5M
○ Insurance Coverage	80%
○ Employment Figures	10M

**500B
TOTAL ANNUAL
REVENUE**

Coverage And Reach

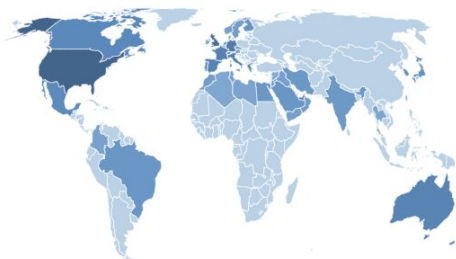
○ EHR Adoption rate	70%
○ Tele-Medicine Adoption Rate	40%
○ Patient Satisfaction Rate	65%
○ Average number of Core services Provided	5 to 7

**2 Billion
PATIENTS / YEAR**

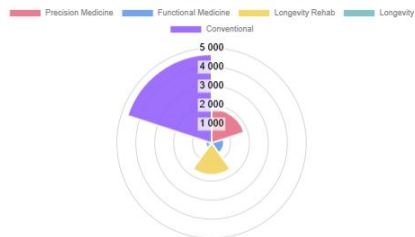
Platform Overview

> \$4 Trn Market Size 200,000 Number of Clinics 171400+ Indicators 66 Category Scores 8 Type Scores 600+ Evaluation Criteria

Global Medical Clinics Industry GeoDashboard



Number of Clinics by Type



Global Medical Clinics Industry Big Data Analytical System



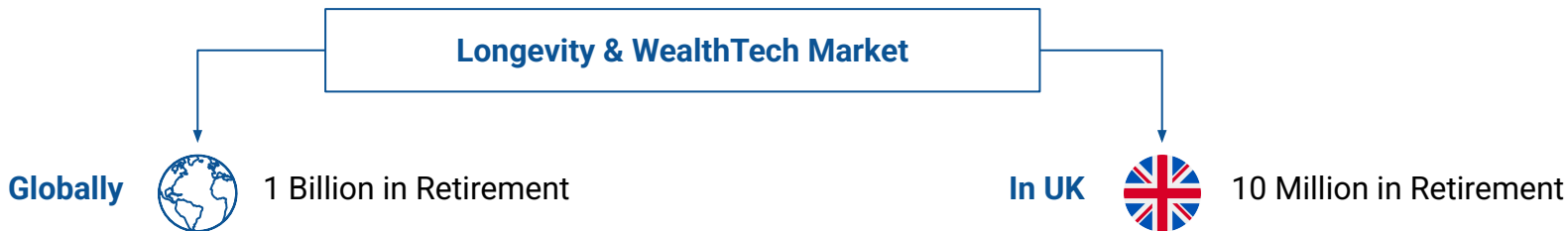
This interactive GeoDashboard represents a real-time visual layer of the emerging Global Longevity Clinics network, powered by Deep Knowledge Group's AI-driven analytics platform.

Each node signifies a clinic, hub, or partner site, dynamically profiled based on clinic type, technological sophistication, biomarker integration level, and national Longevity readiness scores. The dashboard supports multilayer filters, enabling users to analyze regions by HealthTech infrastructure, regulatory environments, clinical trial activity, or strategic alignment with national Longevity policies.

This platform feature allows investors, policymakers, and stakeholders to monitor ecosystem evolution, benchmark competitive positioning, and identify high-potential collaboration zones globally. It is a key tool for guiding capital allocation, public-private partnership formation, and long-term planning in the Longevity Clinic sector.

Longevity Industry Overview

Longevity has become a major focus of some of the largest financial institutions in the world, with many major institutional investors seeking opportunities to contribute to the development of the Longevity industry by investing in AgeTech, Longevity Fintech, Longevity Biomedical companies, and startups. Ageing has become more than a challenge at the intersection of many of the most acute problems of our time - it also presents one of **the most promising opportunities**.



"The one billion retired people globally are a multi-trillion dollar opportunity for business".

~ Dmitry Kaminskiy, interview in the Financial Times



"The global spending power of those aged 60 and already reached \$15 trillion annually".

~ Bank of America Merrill Lynch



Hallmarks of Aging

1. Genomic Instability

Ageing can be the consequence of increased DNA damage accumulation. This is due to physical, chemical, and biological agents, as well as DNA replication errors, spontaneous hydrolytic reactions, and reactive oxygen species (ROS).

2. Telomere Attrition

Telomeres are the chromosomal regions located on the ends of chromosomes. They tend to become increasingly shorter after each DNA replication. When this sequence ends, the cell dies. Telomerase deficiency in humans is associated with age-related diseases.

3. Epigenetic Alteration

Epigenetic changes involve alterations in DNA methylation, post-translational modification of histones, and chromatin remodelling. It can lead to abnormal function of cell.

4. Loss of Proteostasis

Proteostasis involves mechanisms for the stabilization of correctly folded proteins, as well as mechanisms for the degradation of abnormal proteins. These processes tend to change during ageing.

5. Deregulated Nutrient Sensing

Nutrient sensing includes trophic and bioenergetic pathways, such as insulin and IGF-1, signalling pathways, and other systems (mTOR, AMPK, and sirtuins).

6. Mitochondrial Dysfunction

There is a noticeable reduction in ATP generation and increased electron leakage in the respiratory chain caused by ageing. It is associated with mitochondrial damage.

7. Cellular Senescence

Cellular senescence can be defined as a stable arrest of the cell cycle. The accumulation of senescent cells in aged tissues can lead to age-related disease progression.

8. Stem Cell Exhaustion

Stem cells are cells from which all other cells with specialized functions are generated. There is a substantial decrease in the number of stem cells during life. Recent studies suggest that stem cell rejuvenation may reverse the ageing phenotype.

9. Altered Intercellular Communication

Neurohormonal signalling tends to be deregulated in ageing as inflammatory reactions increase, while immunosurveillance against pathogens and premalignant cells declines.

Concept of Longevity Clinic

The Longevity Clinic is a specialised medical institution, whose specialists deal exclusively with the problems of prolonging active life in its various aspects. They can be multidisciplinary or focus on one of the following areas:

Diagnosis and Treatment of Age-dependent Diseases

Aesthetic Medicine and Cosmetology

Reproductive Medicine

Regenerative Medicine

Functional Medicine

Space Medicine

Sport Medicine

Rehabilitation

Longevity diagnostic is a **new approach** to assessing human health, which differs from the **traditional** in that **comprehensive examination programs** and interpretation of results are conducted with a focus on **prolonging the active quality of human life**, taking into account risk factors affecting ageing and the **development** of common diseases **associated with age**.

Performing laboratory (tests of blood and other biological fluids) and instrumental (ultrasound, MRI, etc.) tests to detect diseases, including in the early stages of development

Biomarkers of
Ageing

Immune Status
Study

Genomic Status
Study

The **paradigm of Longevity** and healthy ageing as a top priority has a **significant impact** on approaches to **primary, secondary and tertiary disease prevention**. Along with clinical (objective) health indicators, specialists in the field of **Longevity Medicine** emphasise the **subjective assessment of health and quality of life**, as well as the unity of **chronological (passport), biological and subjective (psychological) age**.

The Impact of Environment on Longevity

Increasing human health and Longevity is a global interest. Environmental, genetic, and stochastic factors all affect longevity. Among these factors, the environment is considered to be extremely important.

Various environmental factors can be anticipated: prenatal environment, pollution, radiation and oncogenic agents, notably tobacco, food (quantitatively and qualitatively), medicinal products, stress, education and socio-professional lifestyle, isolation, number of children and sexual activity, sports and exercising, etc.

There are 8 most important environmental factors which affect health such as, chemical safety, air pollution, poor water quality, natural disasters, climate change, diseases caused by microbes, global environmental issues, electromagnetic radiation.

Consider a sobering statistic from Healthy People, which notes that 23% of all deaths (and 26% of deaths among children ages 5 and younger) result from entirely preventable environmental health problems. By optimising environmental health, people can reduce exposure to disease, as well as to pollutants that have a toxic effect on the body.

Also, we all know about the negative impact of electromagnetic radiation on our health, therefore, it's important to reduce its influence.

Environmental Factors which Influence the Longevity



Chemical Safety



Air Pollution



Poor Water Quality



Natural Disasters



Noise Pollution



Diseases Caused by Microbes



Global Environmental Issues



Electromagnetic radiation

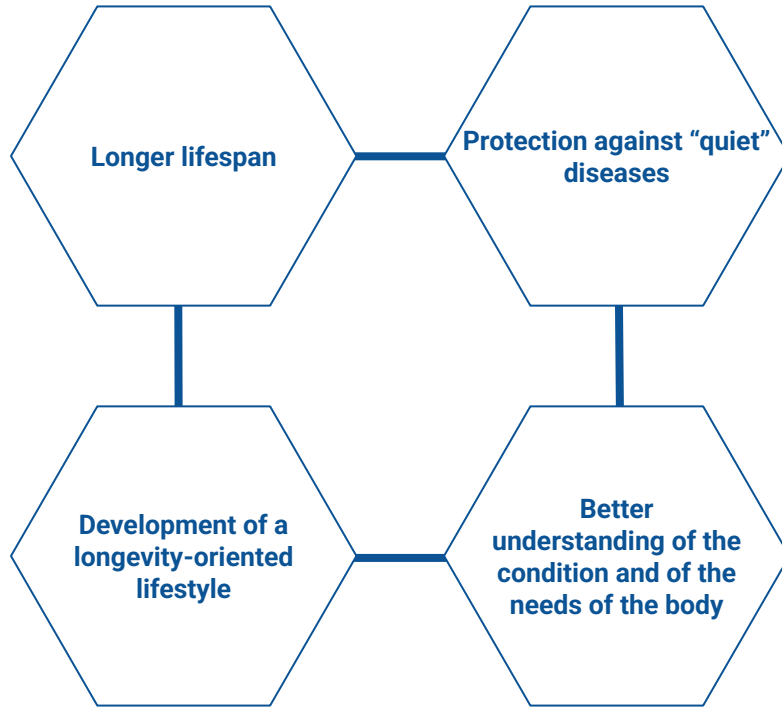
The Impact of Environment on Longevity

Detailed Description of Environmental Factors which Influence the Longevity

Chemical Safety	»	The chemical safety field is concerned with minimizing the effects of both natural and synthetic chemicals.
Air Pollution	»	The impact of air pollution on people is a serious public health problem and also can increase morbidity and mortality.
Poor Water Quality	»	Several factors contribute to poor water quality, including industrial waste and pollution, lack of proper water treatment.
Natural Disasters	»	Directly impact the health of the population resulting in physical trauma, acute disease, increasing mortality.
Noise Pollution	»	Noise pollution is the propagation of noise with ranging impacts on the activity of human, most of them harmful to a degree.
Diseases Caused by Microbes	»	Is one of the primary ways in which humans can contract diseases (respiratory illness, urinary tract infections, and others).
Global Environmental Issues	»	Respiratory diseases, heart disease, and some types of cancer can be directly linked to environmental health concerns.
Electromagnetic radiation	»	Has an effect on the nervous system; it's linked to the development of cataracts, endocrine changes, immune system, carcinogenesis.

Concept of a Longevity Checkup

Benefits of Having a Longevity Check-up

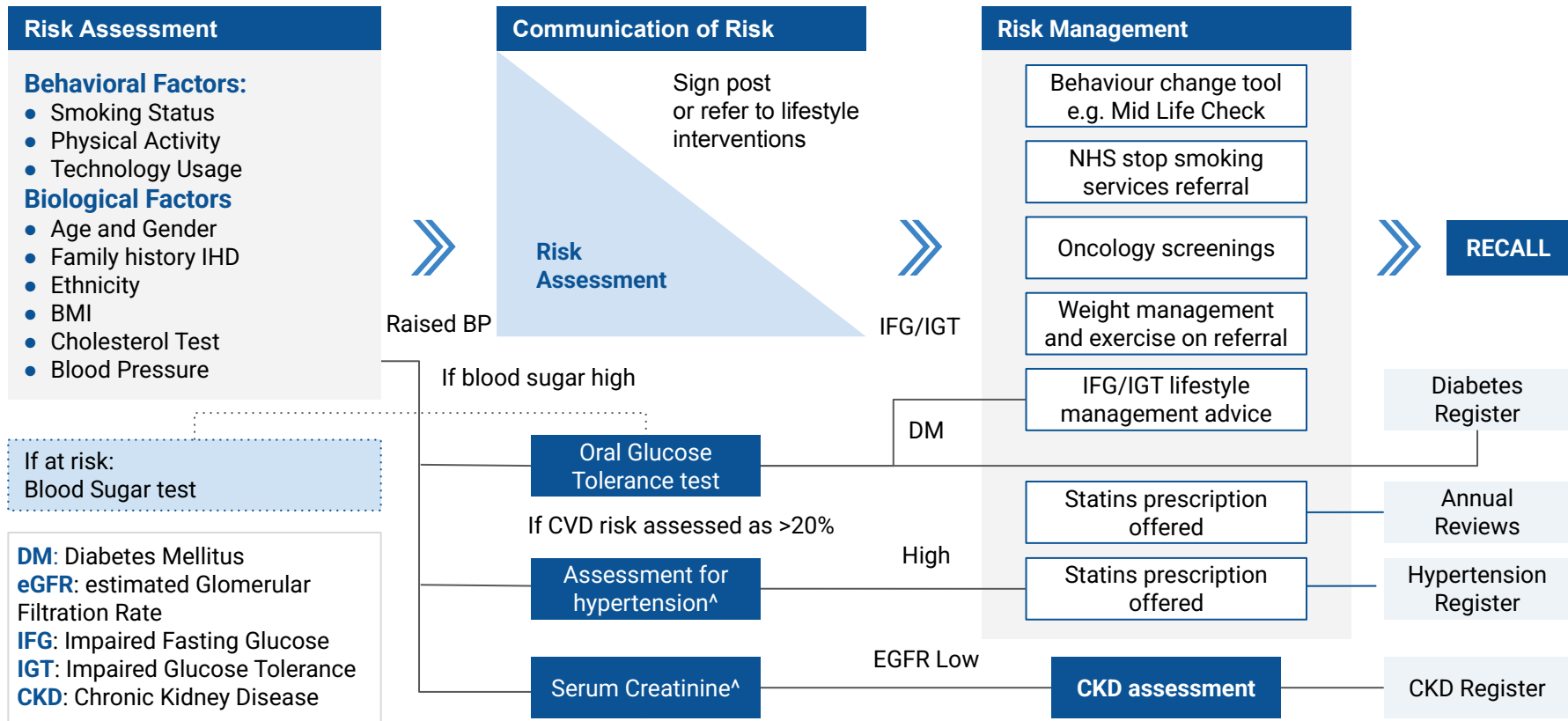


Longevity check-up is a type of **medical check-up** which collects in-depth data on the patient's health to assist in the prevention of disease and to **guide the patient towards** an increased lifespan. Longevity check-ups use precision medicine technologies to obtain data otherwise inaccessible to the patient and their doctor in a more traditional **disease and symptom-focused** medical care model. Contrary to the latter, longevity check-ups are a part of the preventive medicine paradigm.

Longevity check-ups offer the patients a variety of analyses that are usually only **available to patients with specific symptoms**: MRI, CT, Ultrasound scans, involved **blood work, genetic investigations**, etc. The collected data is then used to catch the early signs of disease (which may include lifestyle, chronic, and oncological diseases), and to track the **performance** of the body with regard to its best possible performance.

Longevity check-ups are the first step to and a powerful tool of longevity medicine. **Early diagnostics** and advanced data parsing allows the medical team to tackle any diseases before they develop larger imbalances and deficiencies in the patient's body, often resulting in an **easier and more complete** treatment. This effect is famously studied for cancers, which are most effectively treated before the patient develops any symptoms. Effective treatment of such **diseases has** a direct influence on the patient's lifespan and, together with proper advising on nutrition and lifestyle (which can also be derived from diagnostic data) **could ensure** that the patient lives a longer and a healthier life.

Longevity Health Check Program



Longevity Health Check Program

Conduct Risk Assessment

- Age
- Gender
- Ethnicity
- Family history IHD
- Physical activity
- Alcohol screening
- Smoking status
- BMI – Body Mass Index
- Blood pressure above 140/90 mmHg
Repeat 3 times – record last result
If above 180/110 seek immediate advice from Practice Nurse or GP
- Over 65
- Pulse check record
- Dementia awareness

Assess Risk Score

Calculate the risk score: the score relates to a person's risk of having a cardiovascular event within ten years following the health check. Provide clear written and verbal information about the risk score and what it means.

Discuss Risk Score

Discuss CVD risk and healthy lifestyle. Signpost or refer to lifestyle programmes (record on template and written information for the person)

- NHS Stop Smoking Service
- Alcohol brief advice
- Physical Activity advice
- Weight Management advice

Cardiovascular Disease (CVD) Risk:

Below 10%

with no other risk factors –
no blood test required.



Blood Tests

ALL: Total and HDL Cholesterol
Those with obesity levels BMI ≥ 30
to include: HbA1c, eGFR
Results to be checked by PN or GP

Results



Blood test confirms
CVD risk is < 10%:
Advice by HCA



To be seen again in 5 years

10-19%

Blood test confirms
CVD risk is 10-19%:
Advice by GP/PN

Annual Review

Above 20%

Blood Tests

Total and HDL cholesterol
HbA1c, eGFR; ALT-Alanine
aminotransferase
Results to be checked by PN or GP

Results

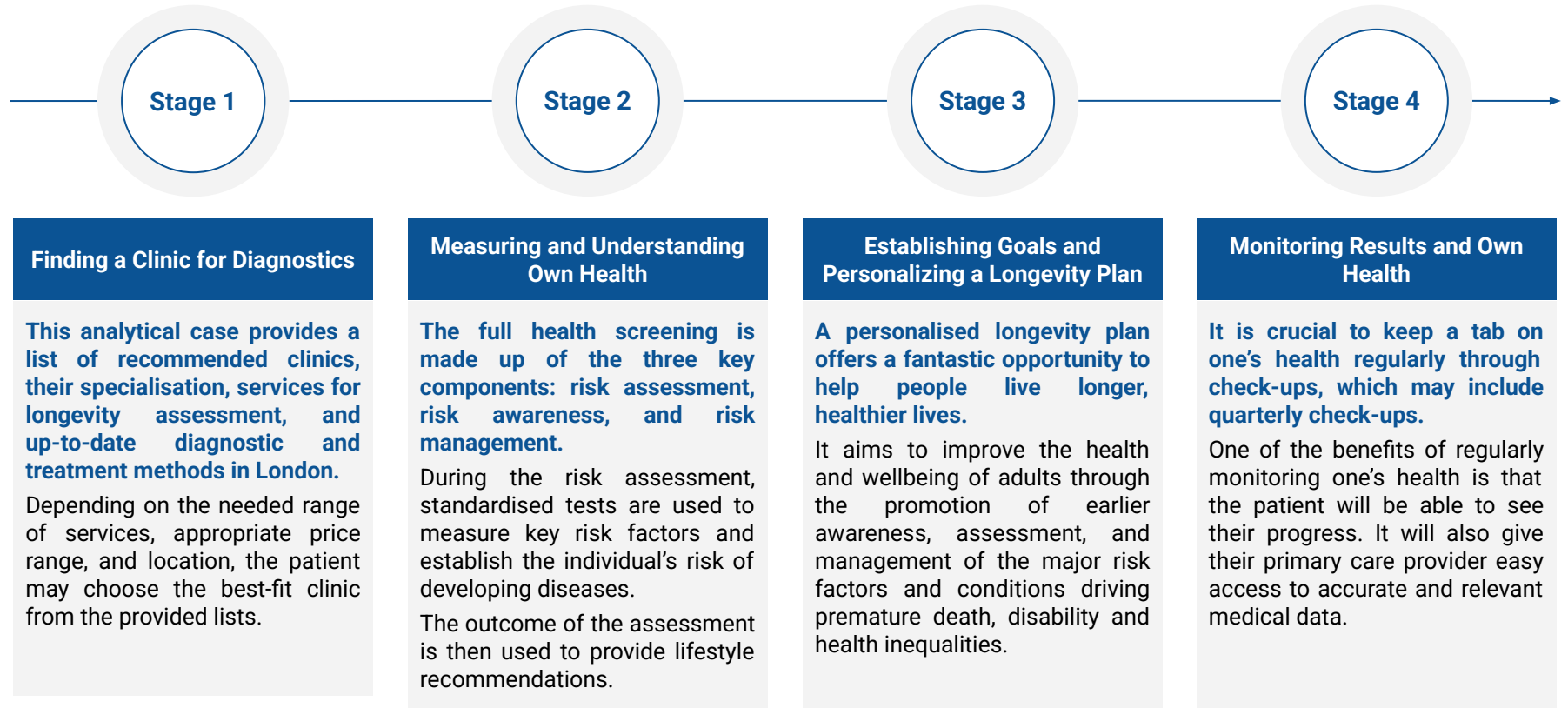


Blood test confirms CVD risk $\geq 20\%$
or abnormal BP/eGFR/HbA1c
Advice by GP/PN
On management options



Annual Review

Longevity Check Up Process



LC 1 (DKG Longevity Clinic N1 - HealthPod MedBot)

DKG HealthPod MedBot (R&D within the scope of DKG 2.0)

This blueprint is a scaled-down version of LC 3, with a less comprehensive scope of equipment configurations, but which generally correspond to all functional categories of diagnostics, prognostics and treatment as LC 3.

It can be simplistically thought of as a “Longevity clinic on wheels”, similar to the concept of RVs or motor-homes. Importantly, it needs to have disassemblable wheels, to enable it to be attached to the back of a car or truck, for travel to new destinations.

The blueprint for LC 2 encompasses dual composition and construction formats, (one blueprint for protocol and equipment pipeline composition, and one blueprint for construction and assembly).

Diagnostic services: Electrocardiogram; Omics-biomarkers assessments, including results from recommended self-testing kits; Blood-based biomarkers assessment; Full body composition analysis; Physical examination.

Treatment services: IV treatments; Intermittent hypoxia treatments; Oxygen treatment; Massages; Carboxytherapy; Facial treatments.



LC 2 (DKG Longevity Clinic N2)

DKG Modular Clinic

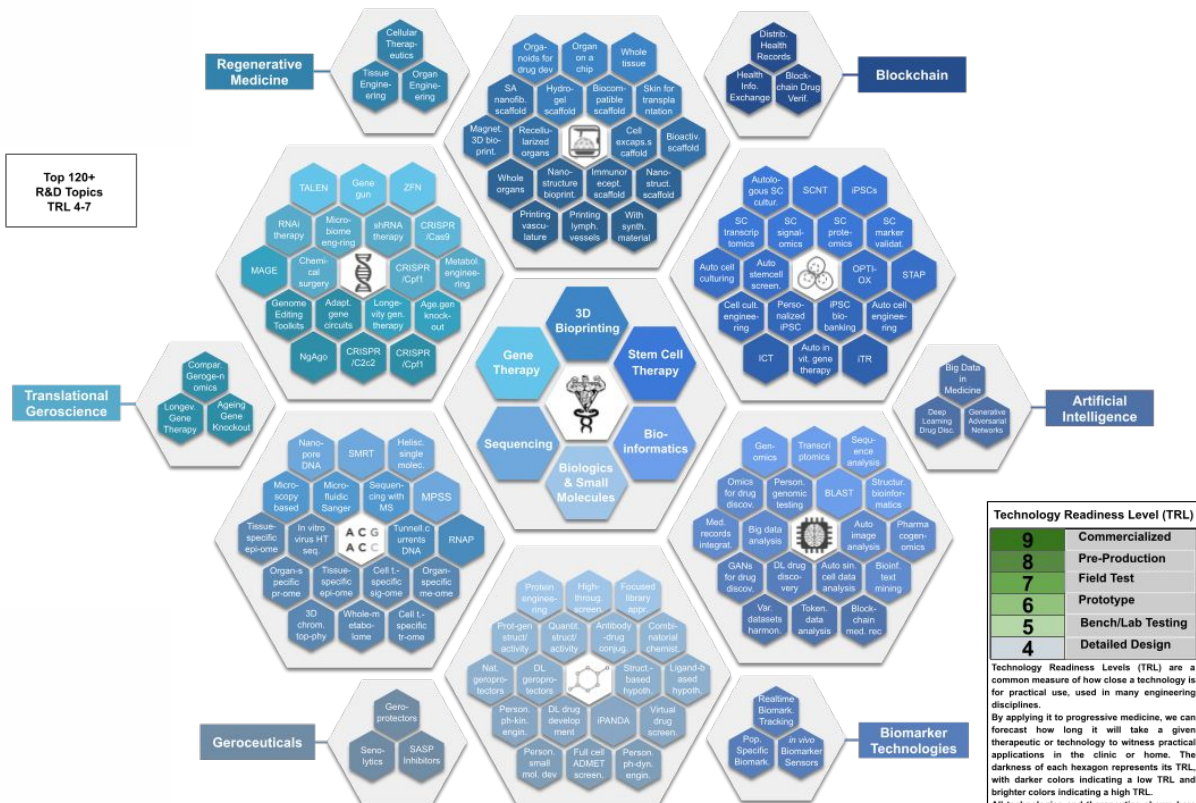
This blueprint is similar in nature to LRE1, and consist of a self-contained pod (enclosable containment system) in which a variety of health, Longevity and medical equipment is built into the walls (the interior space between the inner and outer walls or surfaces of the pod). Its function will be to enclose human users and patients and provide a variety of diagnostic, prognostic and therapeutic services for health and Longevity optimization and medical treatment.

Its equipment configurations will be modularly assembled for easy custom personalization, and plug-and-play assembly (removal and addition of alternative equipment modules). Its dimensions will be variable, and come in a variety of options (capable of housing or enclosing one person, two people, ten people, etc).

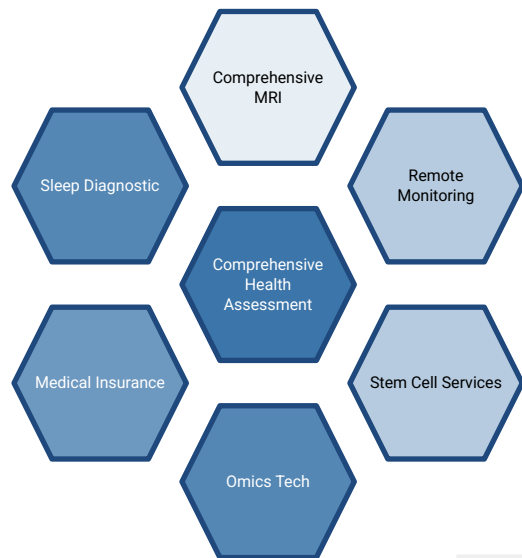
The comprehensivity and intensivity of its equipment configurations will also be variable according to price range (less comprehensive and intensive variants available for more economical price, and more comprehensive and intensive variants available for more expensive price) and according to the destination in which it will be embedded (in the user's home, in an undersea environment, on an airplane, in a corporate office). It shall be designed to be portable - either capable of fitting inside a 'moving van' or else containing wheels and capable of being attached to the back of a car (similar to a motorhome or RV).



Top 120+
R&D Topics
TRL 4-7



Precision Medicine Clinic Pipeline Benchmarking



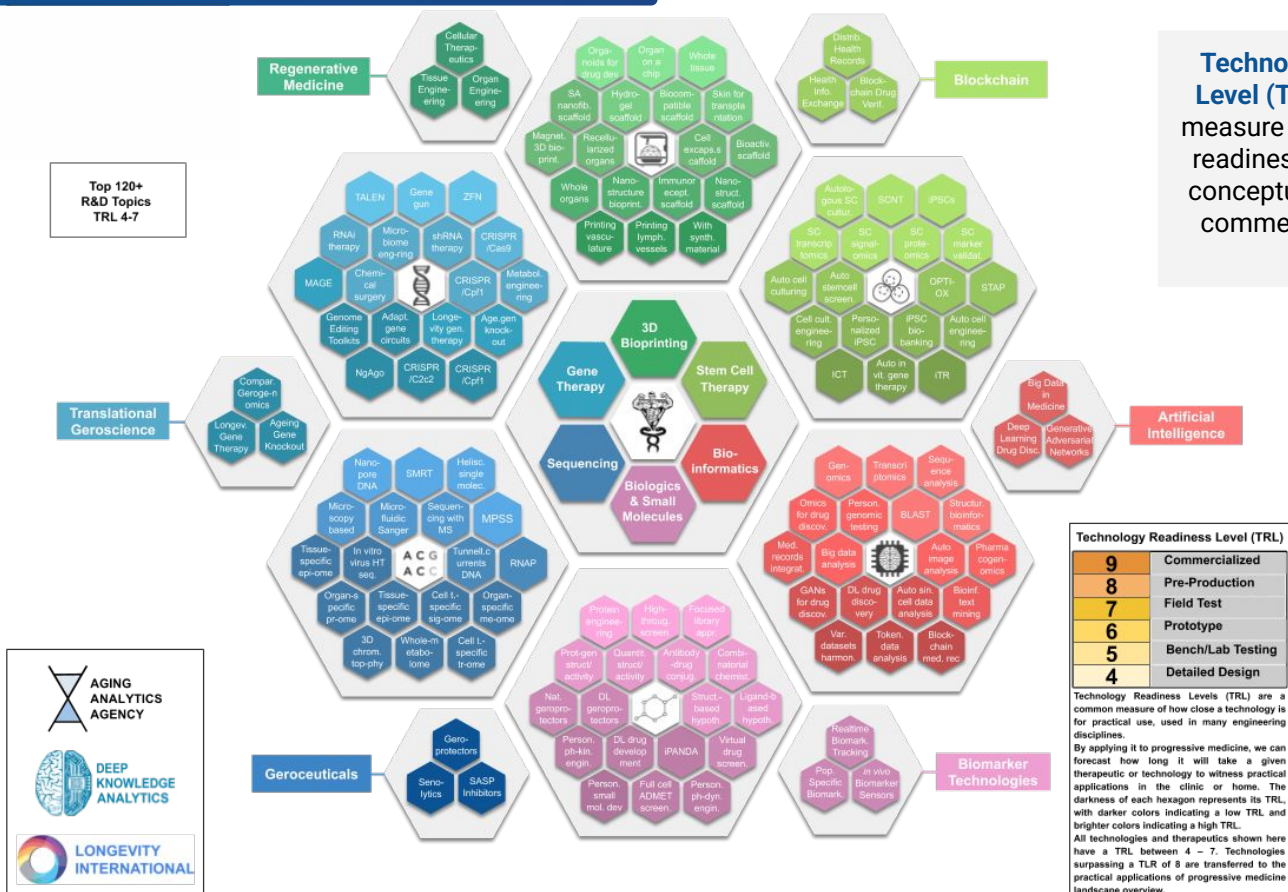
Technology Readiness Level (TRL)	
9	Commercialized
8	Pre-Production
7	Field Test
6	Prototype
5	Bench/Lab Testing
4	Detailed Design

Technology Readiness Levels (TRL) are a common measure of how close a technology is for practical use, used in many engineering disciplines.

By applying it to progressive medicine, we can forecast how long it will take a given therapeutic or technology to witness practical applications in the clinic or home. The darkness of each hexagon represents its TRL, with darker colors indicating a low TRL and brighter colors indicating a high TRL.

All technologies and therapeutics shown here have a TRL between 4 – 7. Technologies surpassing a TLR of 8 are transferred to the practical applications of progressive medicine landscape overview.

Forecasting Protocols Approaching Market Readiness



Technology Readiness Level (TRL) scoring is a measure of overall market readiness from 1 (highly conceptual) to 9 (already commercialized on the market)

Technology Readiness Level (TRL)	
9	Commercialized
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Forms of Proposed Cooperation

Deep Knowledge Group offers a variety of collaboration and cooperation options for parties seeking to enhance their strategic decision making, corporate and operational intelligence, and tactical execution capabilities by accessing one or more of our 70+ health and life sciences-focused Big Data Analytical Dashboards and Market Intelligence Systems.

We offer access to our Dashboards across 3 tiers: Subscription (baseline access to tools and components), White Label Solution (access to full scope of features with certain degrees of customization, personalization and plug-and-play feature selection), and Custom Dashboard Creation (end-to-end customized solution tailored to your specific operational needs and requirements).

Big Data Analytics Dashboard Subscription

- Subscription access is the most economical option for parties seeking to utilize our dashboards
- Offers full scope of ready-for-use analytics, corporate and competitive intelligence, market monitoring and benchmarking tools
- Discounted rates for multi-dashboard access available.

Big Data Analytics Dashboard White Label Solution

- Enhanced access to a wider scope of Dashboard features and functionality
- Includes a certain degree of client-directed Dashboard component and functionality customization and personalization and plug-and-play feature selection
- Highly flexible choice of data sources

Custom Market Intelligence Dashboard Creation

- End-to-end custom solution tailored to the operational and organizational needs and specifics of the client
- Plug-and-play feature selection
- Ground-up custom design of new components according to client need
- Most versatile, customizable and sophisticated option available

We are open to a mutually beneficial cooperation

DISCLAIMER



Deep Knowledge Group is using its best efforts to continuously update its medical clinics analytics based on dynamic, publicly available metrics deemed reliable.

Certain metrics used for advanced and qualitative assessment were formulated by Deep Knowledge Group analysts in coordination with specific experts and consultants using proprietary sources and techniques. Therefore, such rankings may be adjusted over time depending on the corresponding underlying information and in coordination with ongoing enhancements to our underlying analytical methodologies.

Information provided herein is intended for indicative and informational purposes only. Opinions, estimates and analysis represented constitute the current judgment and opinion of the author.

Knowledge is Power
Deep Knowledge is Transcendent Power

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