Global Medical Clinics Industry Analytical Framework

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The **Longevity Industry Analytics** is leading an initiative to create a **Big Data Analytics System** for the global medical clinics industry. This project aims to collect and analyze data from clinics worldwide using a specialized framework.

We categorize clinics into four primary types: **Standard Clinics, Precision Medicine Clinics, Functional** Medicine Clinics, and **Longevity Clinics**. To evaluate and rank these clinics, we're developing CCQQ (Comparative Competitive Quantified Qualified) metrics. These metrics will provide investors with insights into the top clinics in each category and specific subcategories, making it a **valuable investment tool.**

We create a **Big Data Analytics System and Dashboard**, utilizing state-of-the-art technology. This system will provide a blueprint for the ideal **Longevity Clinic, Functional Medicine Clinic, Precision Clinic, Conventional Clinic**, which can serve as a foundation for future projects.

This project is backed by rigorous analysis and scientific methodologies created in **DKG**, ensuring its value and potential impact in the medical industry.

Global Medicine Clinics Industry Analytical Framework

DEEP KNOWLEDGE GROUP

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
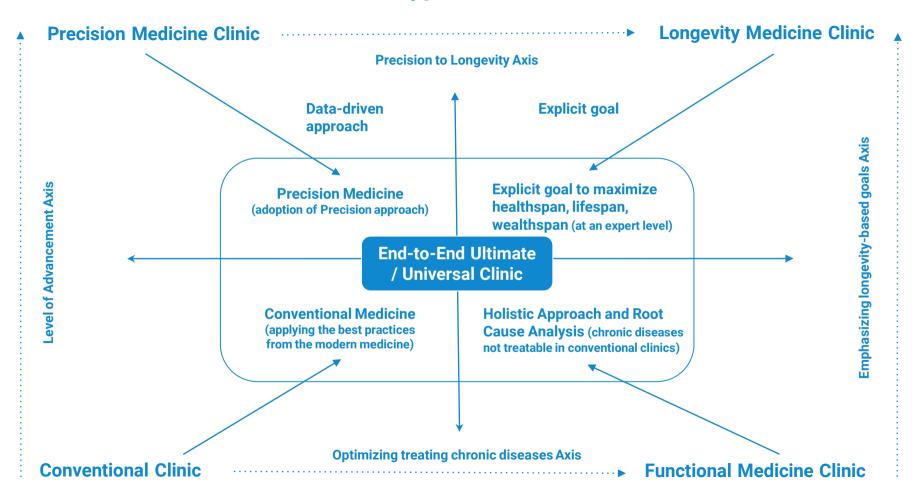
Longevity Rehabilitation Clinics

Longevity and Relaxation, Well-being

Clinics Anti-ranking

Applying bad, unproven, or harmful practices

Clinics Types Framework

Precision Medicine Clinic

Longevity Medicine Clinic

Precision to Longevity Axis

Data-driven approach

Explicit goal

Precision Medicine
(adoption of Precision approach)

Explicit goal to maximize healthspan, lifespan, wealthspan (at an expert level)

Level of Advancement Axis

Emphasizing longevity-based goals Axis

End-to-End Ultimate / Universal Clinic

Conventional Medicine
(applying the best practices from the modern medicine)

Holistic Approach and Root Cause Analysis (chronic diseases not treatable in conventional clinics)

Optimizing treating chronic diseases Axis

Conventional Clinic

Functional Medicine Clinic

Clinics Types Framework

Precision to Longevity Axis

No explicit goal of lifespan increase
No focus on gamification

non-profitable

Relative immaturity of the market
Longevity practices are still evolving

non-profitable

Precision Medicine Clinic
Subtypes: Genomic Medicine, Telemedicine and Remote Monitoring, Patient-Centered Medical Homes (PCMH)

Data-driven approach

Longevity Clinic
Subtypes: Geriatric, Brain Health, Regenerative Medicine, Anti-Aging, Hormone Optimization, Cognitive Enhancement

Explicit goal

Level of Advancement Axis

Precision Medicine
(adoption of Precision approach)

Explicit goal to maximize healthspan, lifespan, wealthspan (at an expert level)

End-to-End Ultimate / Universal Clinic

Conventional Medicine
(applying the best practices from the modern medicine)

Holistic Approach and Root Cause Analysis (chronic diseases not treatable in conventional clinics)

Emphasizing longevity-based goals Axis

Conventional Clinic
Subtypes: Disease-specific (cancer, neurodegenerative, etc), Specialty (dental, cardiology, etc), Primary Care, Urgent Care

Optimizing treating chronic diseases Axis

Functional Medicine Clinic
Subtypes: ReHubs, Weight Management, Mental Health

non-profitable

non-profitable

Excessive Reliance on Medications
Lack of Patient-Centered Approach
Inadequate Preventive Care

All clinics can have additional labeling for patient specificity (women/men/pediatric/elderly people/veterinary)

Lack of Qualified Practitioners
Excessive Reliance on Supplements
Lack of Personalized Plans

Secondary Clinics Framework

Neurohacking Clinic

Longevity Rehabilitation Clinic

Cognitive to Longevity Axis

Cognitive enhancement

Longevity rehabilitation

Neurohacking (cognitive enhancement)

Longevity rehabilitation (at an expert level)

End-to-End Ultimate / Universal Clinic

Clinics anti-ranking (applying bad, unproven or harmful practices)

Pets Longevity (lifespan and healthspan extension for pets)

Clinics Anti-Ranking

Pets Longevity Clinic

Global Longevity Clinics Industry Analytical Framework

General characteristics

- Number of hospital beds
- Number of patients
- Regulation level
- Number of clinics (network)
- Certification (JCI)
- Regulatory jurisdiction

Collaborations

- Number of collaborations
- Revenue of collaborators
- Average Profit margin of collaborators
- Collaborations with research institutes and other AI companies

Science Activity

- Grants
- H-index
- Impact factor of publications
- Number of collaborations with scientific establishments
- Number of licensed patents
- Number of publications

Financial position

- Annual revenue
- Amount of investments and grants
- Net patient revenue
- Type of Entity
- Price List
- Profit margin

Marketing

- Media mentions
- Customers interest level
- Participation in big industry conferences
- Sponsorship activities
- Level of AI tech promotion
- Facebook Followers

Intellectual property

- Number of ongoing and completed clinical studies
- Number of patents
- Average expiration date
- Number of other IP assets

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Global Longevity Clinics Industry Analytical Framework

Team composition
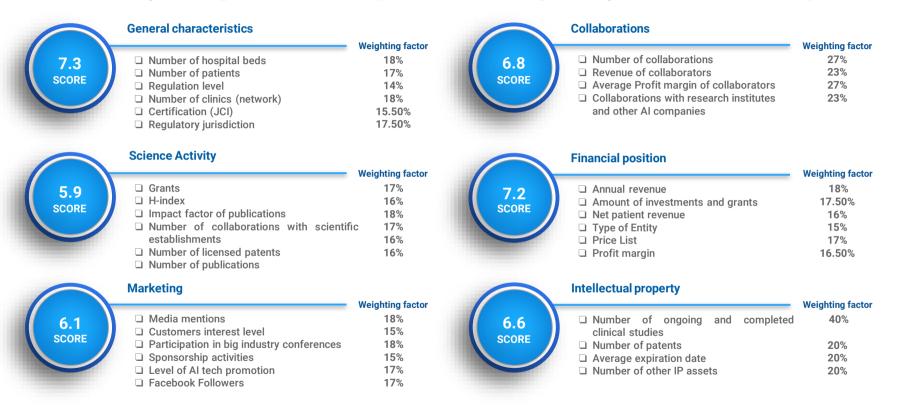
Number of employees	Scientific management
Doctors	Business management

Classification of AI expertise

Applications of specialised AI-techniques	Number of separate AI applications
Number of visible AI applications	

Data processing

Use of unique technology	Machine Learning
Big Data	Symbolic AI
Deep Neural Networks / Deep Learning	Cloud Computing

Targets of treatment

Oncology	Cardiology/Hematology
Neurology	Endocrinology
Pulmonology	Infectious disease

Focus level (Therapeutic depth factor)

Biochemistry level	Genomic
Proteins and Cell signaling	Cellular
Tissue level	Organs

Services

Personalised diagnostics	Biomarkers of Physical Function and Physiology
Blood-based Biomarkers	Non-epigenetic Research Laboratory Biomarkers
Epigenetic Research Laboratory Biomarkers	Senescence-Related-Biomarkers

Global Longevity Clinics Industry Analytical Framework

Diagnostics
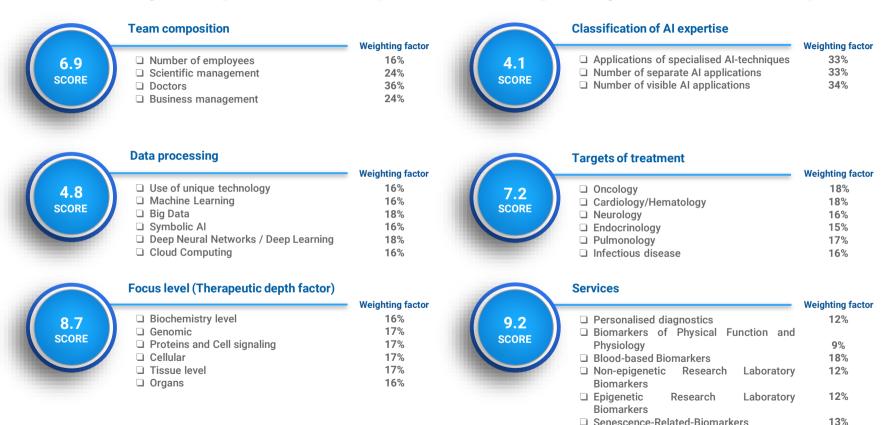
Factors affecting longevity	Laboratory research
Personalised diagnostics	Genetics
Histological examinations	Immunohistochemical studies

Clinic services by areas

Gerontology	Genetics
Allergology-Immunology	Endocrinology
Cardiology	Gastroenterology and hepatology

Equipment

3D whole body photo-imaging system	Positron emission tomography
Air Displacement Plethysmography system	CT\PET scanner
CyberKnife	DaVinci robotic

Clinic specialisation

Longevity	Precision Medicine
Functional Medicine	Wellness/SPA
Restorative medicine	Sports Medicine

Infrastructure

Own fibroblast bank	Own Antibody Bank
Sanatorium	Hotel
Boutiques	Pool

Personal

Gerontologist	Nutritional medicine expert
Prevention / Diagnostics	Plastic and aesthetic surgery specialists
Skin and Venereal Diseases	Membership in Associations

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Case study on good examples of Longevity Clinic: **Cenegenics**

7.3 SCORE

General characteristics

	Weighting factor
❑ Number of hospital beds	18%
❑ Number of patients	17%
❑ Regulation level	14%
❑ Number of clinics (network)	18%
❑ Certification (JCI)	15.50%
❑ Regulatory jurisdiction	17.50%

5.9 SCORE

Science Activity

	Weighting factor
❑ Grants	17%
❑ H-index	16%
❑ Impact factor of publications	18%
❑ Number of collaborations with scientific establishments	17%
	16%
❑ Number of licensed patents	16%
❑ Number of publications	

6.1 SCORE

Marketing

	Weighting factor
❑ Media mentions	18%
❑ Customers interest level	15%
❑ Participation in big industry conferences	18%
❑ Sponsorship activities	15%
❑ Level of AI tech promotion	17%
❑ Facebook Followers	17%

6.8 SCORE

Collaborations

	Weighting factor
❑ Number of collaborations	27%
❑ Revenue of collaborators	23%
❑ Average Profit margin of collaborators	27%
❑ Collaborations with research institutes and other AI companies	23%

7.2 SCORE

Financial position

	Weighting factor
❑ Annual revenue	18%
❑ Amount of investments and grants	17.50%
❑ Net patient revenue	16%
❑ Type of Entity	15%
❑ Price List	17%
❑ Profit margin	16.50%

6.6 SCORE

Intellectual property

	Weighting factor
❑ Number of ongoing and completed clinical studies	40%
❑ Number of patents	20%
❑ Average expiration date	20%
❑ Number of other IP assets	20%

Case study on good examples of Longevity Clinic: **Cenegenics**

Team composition

6.9 SCORE

	Weighting factor
❏ Number of employees	16%
❏ Scientific management	24%
❏ Doctors	36%
❏ Business management	24%

Classification of AI expertise

4.1 SCORE

	Weighting factor
❏ Applications of specialised AI-techniques	33%
❏ Number of separate AI applications	33%
❏ Number of visible AI applications	34%

Data processing

4.8 SCORE

	Weighting factor
❏ Use of unique technology	16%
❏ Machine Learning	16%
❏ Big Data	18%
❏ Symbolic AI	16%
❏ Deep Neural Networks / Deep Learning	18%
❏ Cloud Computing	16%

Targets of treatment

7.2 SCORE

	Weighting factor
❏ Oncology	18%
❏ Cardiology/Hematology	18%
❏ Neurology	16%
❏ Endocrinology	15%
❏ Pulmonology	17%
❏ Infectious disease	16%

Focus level (Therapeutic depth factor)

8.7 SCORE

	Weighting factor
❏ Biochemistry level	16%
❏ Genomic	17%
❏ Proteins and Cell signaling	17%
❏ Cellular	17%
❏ Tissue level	17%
❏ Organs	16%

Services

9.2 SCORE

	Weighting factor
❏ Personalised diagnostics	12%
❏ Biomarkers of Physical Function and Physiology	9%
❏ Blood-based Biomarkers	18%
❏ Non-epigenetic Research Laboratory Biomarkers	12%
❏ Epigenetic Research Laboratory Biomarkers	12%
❏ Senescence-Related-Biomarkers	13%

Case study on good examples of Longevity Clinic: Cenegenics

Diagnostics

9.0 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Equipment

7.8 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Infrastructure

5.2 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

7.6 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

9.2 SCORE

	Weighting factor
❑ Longevity	50%
❑ Precision Medicine	20%
❑ Functional Medicine	8%
❑ Wellness/SPA	8%
❑ Restorative medicine	4%
❑ Sports Medicine	10%

Personal

6.7 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

General Characteristics

Number of hospital beds

This indicator reflects a medical clinic inpatient capacity, a critical determinant of its healthcare service provision. Adequate hospital beds are vital for ensuring patient care, especially in emergencies, making it an essential parameter for clinic evaluation.

Number of patients

This indicator measures the patient volume a medical clinic serves, signifying its capacity and community reach. Evaluating the number of patients is crucial for understanding a clinic's efficiency and its contribution to public health.

Regulation level

This indicator reflects the extent of regulatory oversight and compliance within a medical clinic. Understanding the regulation level is critical for assessing the quality and safety of healthcare services, ensuring patient well-being and ethical standards are upheld.

Number of clinics (network)

This indicator signifies the scope of a medical clinic's network and presence. Evaluating the number of clinics within a network is essential for understanding the clinic's capacity to provide accessible healthcare services, and its potential to reach a larger patient population.

Certification (JCI)

This indicator signifies accreditation by the globally recognized Joint Commission International (JCI), demonstrating a clinic's dedication to maintaining superior healthcare standards and ensuring patient safety.

Regulatory jurisdiction

This indicator identifies the specific regulatory jurisdiction under which a medical clinic operates. Understanding this is vital for legal compliance, quality assurance, and patient safety.

Collaborations

Number of collaborations

This indicator reflects the quantity of collaborations a medical clinic has established. It is significant as partnerships with other institutions can enhance research capabilities, expand expertise, and broaden the range of services available to patients.

Revenue of collaborators

This indicator reflects the financial performance of organizations collaborating with the medical clinic. It's essential for evaluating the clinic's financial stability and the strength of its partnerships.

Average Profit margin of collaborators

This indicator, focusing on the average profit margin of collaborators, provides insight into the financial performance of the clinic's partnerships. It is essential for evaluating the clinic's financial stability and the value it derives from collaborations.

Collaborations with research institutes and other AI companies

This indicator, assessing collaborations with research institutes and other AI companies, highlights the clinic's commitment to innovation and research. It is crucial for staying at the forefront of medical advancements and ensuring the best possible care.

Science Activity

Grants

This indicator, focusing on grants, reflects the clinic's engagement in scientific research and innovation. Grants support research initiatives, allowing clinics to advance medical knowledge and provide cutting-edge treatments.

H-index

This indicator, the H-index, gauges a clinic's research impact and productivity. It demonstrates the influence of their scientific publications, reflecting the depth of their contributions to medical knowledge.

Impact factor of publications

This indicator, the Impact Factor of publications, measures the quality and reach of a clinic's research output. It signifies the significance and credibility of their contributions to the medical field.

Number of collaborations with scientific establishments

This indicator, the number of collaborations with scientific establishments, reflects a clinic's commitment to research and development. It highlights their engagement with reputable scientific institutions, enhancing the clinic's credibility and fostering innovation.

Number of licensed patents

This indicator, the number of licensed patents, signifies a clinic's involvement in pioneering research and technological advancement. It underlines their dedication to intellectual property and innovation, contributing to advancements in healthcare.

Number of publications

This indicator reflects the extent of a clinic's scientific contributions. It showcases their commitment to sharing knowledge, fostering research, and advancing medical expertise, which ultimately benefits patients and the broader healthcare community.

Financial Position

Annual revenue

This indicator signifies a medical clinic's financial stability and capability. It demonstrates the resources available for maintaining high-quality patient care, investing in advanced technologies, and supporting ongoing research and development.

Amount of investments and grants

This indicator, the amount of investments and grants, is a key metric reflecting the financial support received by a medical clinic. It's pivotal for expanding infrastructure, fostering innovation, and maintaining the highest standards of patient care.

Net patient revenue

This indicator, net patient revenue, represents the income generated from patient services after deductions. It is vital for assessing a medical clinic's financial stability and ability to provide quality healthcare services.

Type of Entity

This indicator, "Type of Entity," refers to the legal structure under which a medical clinic operates, such as non-profit, for-profit, or government-owned. Understanding the type of entity is crucial for evaluating a clinic's governance, funding sources, and mission alignment.

Price List

This indicator, "Price List," encompasses the detailed catalog of charges for medical services and procedures offered by a clinic. It's important for transparency and allows patients to make informed decisions regarding their healthcare costs.

Profit margin

This indicator, "Profit margin," reflects the financial efficiency of a medical clinic by indicating the percentage of revenue that becomes profit after covering operational expenses. It's crucial for assessing the clinic's sustainability and fiscal health.

Marketing

Media mentions

This indicator gauges the clinic's public visibility and reputation by tracking its mentions in various media outlets. It is vital for assessing the clinic's standing and influence in the healthcare industry.

Customers interest level

This indicator measures the degree of interest and engagement of potential patients and clients with the clinic's services. It is crucial for evaluating the clinic's attractiveness and its ability to draw in patients seeking medical care.

Participation in big industry conferences

This indicator assesses the clinic's involvement in significant medical events and conferences. It signifies the clinic's commitment to staying updated with the latest advancements and networking with industry peers, which can lead to improved medical practices.

Sponsorship activities

This indicator evaluates the extent to which the clinic supports and sponsors medical initiatives and events. It demonstrates the clinic's dedication to contributing to the medical community and fostering collaborations, enhancing its reputation and industry standing.

Level of AI tech promotion

This indicator gauges the clinic's efforts in promoting and integrating AI technologies in its medical practices. It is of significance as it reflects the clinic's commitment to advancing healthcare through technological innovation, improving patient care, and staying competitive in the evolving medical landscape.

Facebook Followers

This indicator measures the clinic's social media reach and engagement on the popular platform. It's important as it signifies the clinic's ability to connect with a broader audience, share medical insights, and enhance public awareness of its services and expertise.

Intellectual Property

Number of ongoing and completed clinical studies

This indicator reflects the extent of ongoing and completed clinical studies conducted by the clinic. It's vital as it demonstrates the clinic's commitment to research, innovation, and evidence-based medical practices, contributing to advancements in patient care and medical knowledge.

Number of patents

This indicator signifies the quantity of patents held by the clinic. It is of great significance as patents indicate the clinic's innovations and contributions to medical science, fostering trust in their commitment to cutting-edge healthcare solutions.

Average expiration date

This indicator refers to the average expiration date of a clinic's intellectual property, including patents and proprietary knowledge. It holds importance as it reflects the longevity and potential sustainability of the clinic's innovative medical practices and treatments.

Number of other IP assets

This indicator signifies the quantity of other intellectual property assets held by a medical clinic, aside from patents. It's crucial as it demonstrates the breadth of the clinic's innovative resources and their potential for future developments.

Team Composition

Number of employees

This indicator assesses the total number of employees working within the medical clinic. The size of the workforce is crucial as it directly influences the clinic's capacity to provide comprehensive and timely healthcare services to its patients.

Scientific management

This indicator evaluates the expertise and effectiveness of scientific management within the medical clinic. Strong scientific leadership is vital for ensuring evidence-based practices, research, and the continuous improvement of healthcare services. It helps maintain high clinical standards and fosters innovation in patient care.

Doctors

This indicator assesses the number and qualifications of medical doctors within the clinic. A well-rounded team of doctors with diverse expertise is crucial for delivering comprehensive healthcare services and ensuring that patients receive specialized care tailored to their needs.

Business management

This indicator pertains to the proficiency and competence of the clinic's business management team. Effective business management is essential for the clinic's operational efficiency, financial sustainability, and overall success in delivering healthcare services.

Classification of AI Expertise

Applications of specialised AI-techniques

This indicator assesses the practical implementation of specialized AI techniques within the clinic's medical processes. It is crucial for ensuring the clinic remains at the forefront of healthcare technology, potentially leading to improved patient care, diagnosis, and treatment.

Number of separate AI applications

This indicator examines the diversity and quantity of distinct AI applications employed by the clinic. It is vital for evaluating the clinic's versatility and adaptability in utilizing AI for various medical tasks and services, potentially enhancing patient care and operational efficiency.

Number of visible AI applications

This indicator assesses the count of readily accessible AI applications within the clinic. It is significant for evaluating the clinic's technological transparency, showcasing its commitment to integrating AI, and providing insight into its capacity to adapt to innovative healthcare solutions.

Data Processing

Use of unique technology

This indicator assesses a medical clinic utilization of unique and innovative technologies. Such technologies can enhance diagnostic accuracy, treatment effectiveness, and overall patient care, ensuring the clinic remains at the forefront of medical advancements.

Machine Learning

This indicator evaluates a medical clinic's adoption of machine learning, a critical component in data processing for diagnostic and treatment purposes. Its importance lies in its potential to enhance clinical decision-making, streamline processes, and improve patient outcomes through data-driven insights.

Big Data

This indicator assesses a medical clinic's utilization of big data, which involves processing vast volumes of information to derive valuable insights. Its significance lies in its capacity to improve patient care, research, and resource allocation by leveraging comprehensive data analysis.

Symbolic AI

This indicator evaluates a medical clinic's implementation of Symbolic AI, a branch of artificial intelligence that focuses on symbolic representation of knowledge and logical reasoning. Its importance lies in enhancing clinical decision support systems and medical knowledge management, ultimately improving patient outcomes and safety.

Deep Neural Networks / Deep Learning

This indicator assesses a medical clinic's utilization of Deep Neural Networks, a dynamically developing subset of artificial intelligence. It's crucial for enhancing diagnostic accuracy, treatment planning, and research, contributing to better patient care and clinical outcomes.

Cloud Computing

This indicator evaluates a medical clinic's adoption of Cloud Computing technology. It's vital for efficient data storage, access, and sharing, improving collaboration among healthcare providers, ensuring data security, and enabling scalability for better patient care.

Targets of Treatment

Oncology

This indicator assesses a medical clinic's focus on oncology, which is crucial for addressing the diagnosis, treatment, and research of cancer. It indicates the clinic's specialization and dedication to combating a prevalent and complex disease.

Cardiology/Hematology

This indicator pertains to a clinic's specialization in cardiology and hematology, highlighting its expertise in diagnosing and treating heart and blood-related conditions. It signifies the clinic's commitment to addressing critical health issues in these domains.

Neurology

This indicator focuses on a clinic's specialization in neurology, emphasizing its proficiency in diagnosing and treating neurological disorders. It reflects the clinic's dedication to addressing complex conditions affecting the nervous system.

Endocrinology

This indicator assesses the clinic's expertise in endocrinology, signifying its ability to manage disorders related to hormones and metabolism. A strong focus on endocrinology is essential for comprehensive patient care.

Pulmonology

This indicator reflects the clinic's specialization in pulmonology, which is critical for treating respiratory diseases and ensuring the well-being of patients with lung and breathing conditions.

Infectious disease

This indicator signifies the clinic's focus on treating infectious diseases, which is pivotal for addressing and preventing the spread of contagious illnesses, safeguarding public health.

Focus Level (Therapeutic Depth Factor)

Biochemistry level

This indicator represents the clinic's therapeutic depth in terms of biochemistry. It's crucial for understanding the clinic's ability to provide precise treatments tailored to patients' biochemical needs, ensuring effective care.

Genomic

This indicator signifies the clinic's therapeutic depth in genomics. It's pivotal for evaluating the clinic's capacity to offer genomics-based treatments, enabling personalized and effective healthcare interventions.

Proteins and Cell signaling

This indicator reflects the clinic's therapeutic depth in the study of proteins and cell signaling. It's essential for assessing the clinic's expertise in targeted therapies and precision medicine, enhancing patient care.

Cellular

This indicator pertains to the clinic's therapeutic depth in cellular-level interventions. It's crucial for evaluating the clinic's proficiency in advanced treatments that address underlying cellular mechanisms, leading to more effective healthcare solutions.

Tissue level

This indicator evaluates the clinic's therapeutic depth at the tissue level. It is fundamental in assessing the clinic's expertise in treatments that target specific tissues, which can result in more precise and tailored medical interventions.

Organs

This indicator pertains to the clinic's therapeutic depth at the organ level. It signifies the clinic's ability to address medical conditions affecting specific organs, enabling a specialized and effective approach to organ-specific treatments. This expertise is crucial for comprehensive patient care.

Services

Personalised diagnostics

This indicator encompasses the provision of personalized diagnostic services, tailoring medical assessments to individual patient needs. It is pivotal in delivering accurate, patient-centered care, improving diagnostic accuracy, and guiding precise treatment strategies.

Biomarkers of Physical Function and Physiology

This indicator pertains to the utilization of biomarkers to assess physical function and physiological health. It holds significance in enabling early disease detection, monitoring treatment effectiveness, and promoting proactive health management.

Blood-based Biomarkers

This indicator involves the use of blood-based biomarkers for diagnostic and prognostic purposes. It is vital for precise disease identification, risk assessment, and treatment tailoring, improving patient care outcomes.

Non-epigenetic Research Laboratory Biomarkers

This indicator pertains to non-epigenetic research laboratory biomarkers, aiding in the assessment of various health conditions. These biomarkers contribute to comprehensive patient evaluations and personalized treatment strategies.

Epigenetic Research Laboratory Biomarkers

This indicator involves epigenetic research laboratory biomarkers, which play a crucial role in understanding the impact of genetic and environmental factors on health. They are vital for personalized medicine and targeted interventions.

Senescence-Related-Biomarkers

This indicator comprises senescence-related biomarkers, which are essential for monitoring and understanding the aging process at a molecular level. They provide insights into age-related diseases and potential interventions.

Diagnostics

Factors affecting longevity

This indicator encompasses factors affecting longevity, which are critical for identifying and addressing the determinants of extended healthspan and lifespan. Understanding these factors enables clinics to develop targeted interventions for longevity.

Laboratory research

This indicator, laboratory research, signifies the clinic's commitment to rigorous scientific investigation. It is vital for ensuring evidence-based diagnostics and treatment protocols, enhancing patient care and outcomes.

Personalised diagnostics

This indicator, personalized diagnostics, reflects a clinic's ability to tailor healthcare solutions to individual patients, optimizing treatment effectiveness and patient well-being through a personalized approach.

Genetics

This indicator, genetics, signifies a clinic's capability to delve into an individual's genetic makeup, allowing for precise diagnoses and personalized treatment plans based on genetic factors, thereby enhancing the quality of healthcare.

Histological examinations

This indicator involves histological examinations, which are critical for the clinic's diagnostic capabilities. They provide detailed insights into tissue structures, aiding in the accurate identification and treatment of various medical conditions.

Immunohistochemical studies

This indicator encompasses immunohistochemical studies, an essential component of diagnostics. It aids in identifying specific proteins within tissues, enhancing disease diagnosis and treatment precision.

Clinic Services by Areas

Gerontology

This indicator relates to gerontology services, focusing on the specialized care of the elderly. It's vital for addressing the unique health needs of aging patients and promoting their well-being.

Genetics

This indicator pertains to genetic services, enabling precise diagnostics and personalized treatment plans based on patients' genetic profiles, improving the clinic's ability to deliver tailored healthcare solutions.

Allergology-Immunology

This indicator signifies the clinic's capacity to address complex allergic and immunological conditions, offering specialized care essential for patients with immune system and allergy-related health issues.

Endocrinology

This indicator highlights the clinic's expertise in managing endocrine disorders, crucial for patients dealing with hormonal imbalances and conditions affecting glands such as the thyroid, pancreas, and adrenal glands.

Cardiology

This indicator underscores the clinic's proficiency in cardiology, a vital medical field focusing on heart health and circulatory system disorders, critical for patients with cardiac conditions and preventive care.

Gastroenterology and hepatology

This indicator reflects the clinic's expertise in gastroenterology and hepatology, specializing in digestive system and liver disorders. Such proficiency is crucial for comprehensive gastrointestinal care and liver-related conditions.

Equipment

3D whole body photo-imaging system

This indicator represents the presence of a 3D whole body photo-imaging system, a crucial tool for comprehensive patient assessments, particularly in dermatology and aesthetics, aiding in precise diagnostics and treatment planning.

Air Displacement Plethysmography system

This indicator represents the presence of an Air Displacement Plethysmography system, a critical tool for precise body composition analysis. It aids in assessing patient health, guiding treatment, and tracking progress with accuracy.

CyberKnife

This indicator denotes the availability of a CyberKnife system, a cutting-edge technology for non-invasive, high-precision radiation therapy. It enhances treatment accuracy and minimizes damage to surrounding healthy tissues, improving patient outcomes.

Positron emission tomography

This indicator signifies the availability of Positron Emission Tomography (PET), a powerful imaging technique used for detecting diseases at early stages, assessing treatment efficacy, and advancing research in oncology, neurology, and cardiology.

CT\PET scanner

This indicator signifies the presence of a CT/PET scanner, an indispensable diagnostic tool for comprehensive imaging. It enables precise visualization of anatomical and functional information, facilitating accurate diagnoses and treatment planning.

DaVinci robotic

This indicator signifies the presence of a DaVinci robotic surgical system. It's crucial for precise and minimally invasive surgeries, reducing patient trauma and recovery time while improving surgical outcomes.

Clinic Specialisation

Longevity

This indicator represents a clinic's specialization in longevity-related medical care, emphasizing the importance of addressing age-related health concerns, promoting healthy aging, and extending the quality of life for patients.

Precision Medicine

This indicator signifies a clinic's specialization in precision medicine, focusing on tailoring medical treatments to individual patients based on their genetic, environmental, and lifestyle factors. It's crucial for delivering personalized and effective healthcare.

Functional Medicine

This indicator represents a clinic's specialization in functional medicine, which seeks to address the root causes of illnesses. It's vital for a holistic and patient-centric approach to healthcare.

Wellness/SPA

This indicator signifies a clinic's specialization in wellness and spa services. It's crucial for offering holistic healthcare that promotes overall well-being and relaxation, complementing medical treatments.

Restorative medicine

This indicator reflects a medical clinic's focus on restorative medicine, which is vital for addressing patients' complex health issues and aiding in recovery, contributing to comprehensive healthcare.

Sports Medicine

This indicator signifies a medical clinic's specialization in sports medicine, crucial for athletes and active individuals, offering expert care to prevent and treat sports-related injuries and optimize performance.

Infrastructure

Own fibroblast bank

This indicator reflects the presence of a medical clinic's own fibroblast bank, an essential resource for research and regenerative medicine, enabling the storage and study of fibroblast cells for various medical applications.

Own Antibody Bank

This indicator signifies the existence of a medical clinic's proprietary Antibody Bank. Such a resource is vital for research and diagnostics, providing a repository of antibodies for various medical investigations and applications.

Sanatorium

This indicator denotes the presence of a sanatorium within the medical clinic's infrastructure. Sanatoriums offer specialized care and accommodations for patients requiring extended convalescence or rehabilitation, contributing to comprehensive healthcare services.

Hotel

This indicator signifies the availability of a hotel within the medical clinic's infrastructure. Hotels offer convenient lodging for patients and their families, ensuring accessible and comfortable accommodation during medical treatment.

Boutiques

This indicator pertains to the presence of boutiques within the medical clinic's infrastructure. Boutiques can offer a range of products and services, enhancing the overall experience for patients and visitors.

Pool

This indicator concerns the presence of a pool within the medical clinic's infrastructure. Pools may be utilized for therapeutic and rehabilitative purposes, promoting holistic patient well-being.

Personal

Gerontologist

This indicator refers to the availability of a gerontologist on the medical clinic's staff. Gerontologists specialize in the care of elderly patients, addressing age-related health issues, and enhancing the quality of life for senior citizens.

Nutritional medicine expert

This indicator denotes the presence of a nutritional medicine expert at the medical clinic. Such experts focus on the role of nutrition in preventing and managing medical conditions, promoting overall health, and offering tailored dietary guidance to patients.

Prevention / Diagnostics

This indicator denotes the clinic's focus on prevention and diagnostics, emphasizing the significance of early detection and proactive measures to identify and manage health issues. It is pivotal for ensuring patient well-being and preventing the progression of diseases.

Plastic and aesthetic surgery specialists

This indicator represents the presence of plastic and aesthetic surgery specialists within the clinic, underscoring the clinic's commitment to offering cosmetic and reconstructive surgical procedures.

Skin and Venereal Diseases

This indicator signifies the availability of specialists in skin and venereal diseases. It's essential for diagnosing and treating dermatological and venereal conditions, ensuring comprehensive care within the clinic.

Membership in Associations

This indicator reflects the clinic's affiliations with medical associations, demonstrating commitment to professional standards, knowledge sharing, and access to the latest industry developments.

Global Longevity Clinics Industry: Parameters

1	General characteristics	
1.1	HQ location	Qualitative parameter: municipality (city \ county \ canton \ shire etc)
1.2	Website	Hyperlink
1.3	Stage of business`s life cycle (Foundation year)	Year, Qualitative parameter: Introduction/Growth/Maturity/Decline. Intro-0,8; Growth-0,5;Maturity-0,3; Decline-0
1.4	Regulatory jurisdiction	Country of regulatory jurisdiction
1.5	Number of hospital beds	Numeric
1.6	Number of patients	Numeric
1.7	Contact Information	Address
1.8	Regulation level	Qualitative parameter: High/Medium/Low.
1.9	Countries involved	The number of countries a company is active in
1.10	Number of clinics (network)	Number of subsidiaries
1.11	Certification (JCI)	Certification (JCI)
2	Collaborations	
2.1	Number of collaborations	Number of corporations a clinic has collaborated with

Global Longevity Clinics Industry: Parameters

2.2	Revenue of collaborators	Sum of revenue of the corporations partnered with
2.3	Average Profit margin of collaborators	Sum (Profit Margin of collaborator i * (Market Cap i / Sum of Market Caps)), where Profit Margin = Net Profits (or Income) / Net Sales (or Revenue)
2.4	Collaborations with research institutes and other AI companies	Number of entities a company has collaborated with
3	Science Activity	
3.1	Grants	Numeric
3.2	H-index	Index
3.3	Impact factor of publications	Numeric
3.4	Number of collaborations with scientific establishments	Numeric
3.5	Number of licensed patents	Numeric
3.6	Number of publications	Numeric
3.7	Participating in scientific conferences	yes = 0, no = 1
3.8	Communication with colleges, educational work, departments	
3.8.1	Participation in clinical trials	yes = 0, no = 1
4	Financial position	

Global Longevity Clinics Industry: Parameters

4.1	Annual revenue	The amount of money that a company actually receives during the last year
4.2	Amount of investments and grants	The sum of all investments and grants in a company (currency)
4.3	Net patient revenue	The amount of money that a company actually receives during the last year
4.4	Type of Entity	(Public 1/Private 0)
4.5	Price List	yes = 0, no = 1
4.6	Profit margin	Numeric
4.7	IPO Status	
4.8	Series funding rounds	Numeric
4.9	Total funding amount	Numeric
4.10	Last funding amount	Numeric
4.11	Funding status	
4.12	Return on equity	Numeric
4.13	Return on investment	Numeric
4.14	Number of investors	Numeric
5	Marketing	
5.1	Media mentions	yes = 0, no = 1 if it was mentioned in media during the last 5 years

Global Longevity Clinics Industry: Parameters

5.2	Customers interest level	Monthly web visitors
5.3	Participation in big industry conferences	yes = 0, no = 1 if it participated in big industry conferences for the last 5 years
5.4	Sponsorship activities	yes = 0, no = 1 if it sponsored events during the last 5 years
5.5	Level of AI tech promotion	Appear in news and media regularly - 1, participate in several top events - 0.5, don`t appear in news and media - 0
5.6	Facebook Followers	Numeric
5.7	Facebook Posts	Numeric
5.8	Twitter Followers	Numeric
5.9	Twitter Posts	Numeric
5.10	Youtube Followers	Numeric
5.11	Youtube Posts	Numeric
5.12	Instagram Followers	Numeric
5.13	Instagram Posts	Numeric
5.14	LinkedIn Followers	Numeric
5.15	LinkedIn Posts	Numeric
6	Intellectual property	

Global Longevity Clinics Industry: Parameters

6.1	Number of ongoing and completed clinical studies	Numeric
6.2	Number of patents	Numeric
6.3	Average expiration date	Average expiration date for active patents
6.4	Number of other IP assets	Number of other assets
7	**Team composition**	
7.1	Number of employees	
7.1.1	Number of employees	Number of employees in a company
7.2	Scientific management	
7.2.1	Scientists/employees ratio	Rate of scientist in a company.[0.273-0.383]- Optimal; [0.15-0.273) and (0.383-0.450]- Acceptable; other rate - Bad.
7.2.2	Number of employees and Scientists/employees ratio	Numeric
7.2.3	Number of AI experts	H-index of chief science officer
7.2.4	H-index of chief science officer	Numeric
7.2.5	H index of full scientific team	Sum of h-indexes of scientists
7.2.6	Number of publications (articles)	Number of publications listed on company website

Global Longevity Clinics Industry: Parameters

7.2.7	Number citations on all published working papers	Number citations on all published papers on scientific experiments, research etc. listed on company website
7.2.8	Number of journals of the scientific papers	Combined impact factor of all journals of the scientific papers listed on their website
7.2.9	Number citations on all published working papers and Number of journals of the scientific papers	Numeric
7.2.10	Technologists/employees ratio	Rate of technologists in a company.[0.273-0.383]-Optimal; [0.15-0.273) and (0.383-0.450]-Acceptable; other rate - Bad.
7.2.11	Number of employees and Technologists/employees ratio	Numeric
7.2.12	Celebrity status of the scientific management	yes = 0, no = 1. If companies have more than 1 with celebrity status, than variable may be equal 2 or 3.
7.3	Doctors	
7.3.1	General doctor	yes = 0, no = 1
7.3.2	Allergist-immunologist	yes = 0, no = 1
7.3.3	Pulmonologist	yes = 0, no = 1
7.3.4	Traumatologist-orthopedist	yes = 0, no = 1
7.3.5	Psychotherapist	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

7.3.6	Neurologist	yes = 0, no = 1
7.3.7	Otorhinolaryngologist	yes = 0, no = 1
7.3.8	Ophthalmologist	yes = 0, no = 1
7.3.9	Cardiologist	yes = 0, no = 1
7.3.10	Dermatologist	yes = 0, no = 1
7.3.11	Radiologist CT / MRI / PET	yes = 0, no = 1
7.3.12	Functional diagnostics doctor	yes = 0, no = 1
7.3.13	Geriatrics	yes = 0, no = 1
7.3.14	Oncologists	yes = 0, no = 1
7.3.15	Surgical (Thoracic, Abdominal, Vascular, Neurosurgical)	yes = 0, no = 1
7.3.16	Hematologists	yes = 0, no = 1
7.3.17	Geneticists	yes = 0, no = 1
7.3.18	Gastro-Enterologist-Nutritionist	yes = 0, no = 1
7.3.19	Physiotherapist, Exercise Therapy Doctor, Sports Doctor	yes = 0, no = 1
7.3.20	Infectious Disease Doctor	yes = 0, no = 1
7.3.21	Cosmetologists	yes = 0, no = 1
7.3.22	Plastic Surgery	yes = 0, no = 1
7.3.23	Biochemists	yes = 0, no = 1
7.3.24	Doctors Of Alternative Medicine (Chiropractors, Osteopaths, Reflexologists)	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

7.3.25	Nurses (Therapeutic, Procedural, Surgical)	yes = 0, no = 1
7.3.26	Auxiliary Medical Staff (Nurses, Orderlies, Paramedics)	yes = 0, no = 1
7.3.27	Dentists	yes = 0, no = 1
7.3.28	Endocrinologists	yes = 0, no = 1
7.3.29	Rheumatologists	yes = 0, no = 1
7.3.30	Endoscopists	yes = 0, no = 1
7.4	Business management	
7.4.1	Management with celebrity status	Qualitative metrics: 1 or 0. If companies have more than 1 with celebrity status, than variable may be equal 2 or 3.
7.4.2	Sum of successful mergers, acquisitions and IPOs of companies previously managed by the current longevity company's CEO	An indicator of their past business management expertise.
7.4.3	Business development & investment specialists/employees ratio	Numeric. Rate of business development & investment specialists in a company.
7.4.4	Top managers' qualification	Qualitative parameter: High/Medium/Low.
7.4.5	Advisory Board h-index	Sum of h-indexes of Advisory Board's members
8	Classification of AI expertise	
8.1	Applications of specialised AI-techniques	yes = 0, no = 1
8.2	Number of separate AI applications	Sum of separate AI applications

Global Longevity Clinics Industry: Parameters

8.3	Number of visible AI applications	Sum of visible AI applications
9	Data processing	
9.1	Use of unique technology	yes = 0, no = 1
9.2	Machine Learning	yes = 0, no = 1
9.3	Big Data	yes = 0, no = 1
9.4	Symbolic AI	yes = 0, no = 1
9.5	Deep Neural Networks / Deep Learning	yes = 0, no = 1
9.6	Cloud Computing	yes = 0, no = 1
9.7	Cheminformatics	yes = 0, no = 1
9.8	Quantum Computing	yes = 0, no = 1
9.9	Reinforcement Learning	yes = 0, no = 1
9.10	NLP	yes = 0, no = 1
9.11	Bioinformatics	yes = 0, no = 1
9.12	Types of data analysed	
9.12.1	Biochemical	yes = 0, no = 1
9.12.2	Transcriptomic	yes = 0, no = 1
9.12.3	Genomic	yes = 0, no = 1
9.12.4	Proteomic	yes = 0, no = 1
9.12.5	Metabolic	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

9.12.7	Lipidomic	yes = 0, no = 1
9.12.8	Epidemiological (Lifestyle, diet, etc.)	yes = 0, no = 1
9.12.9	Environmental (Weather, pollution, etc.)	yes = 0, no = 1
9.12.10	Glycomic	yes = 0, no = 1
9.12.11	Foodomic	yes = 0, no = 1
9.12.12	Chemical notations	yes = 0, no = 1
9.12.13	Epigenomic	yes = 0, no = 1
10	Targets of treatment	
10.1	Oncology	
10.1.1	Cancer	yes = 0, no = 1
10.2	Cardiology/Hematology	
10.2.1	Hypertension	yes = 0, no = 1
10.2.2	Atherosclerosis	yes = 0, no = 1
10.2.3	Cardiovascular disease	yes = 0, no = 1
10.2.4	Coronary artery disease	yes = 0, no = 1
10.2.5	Deep Vein Thrombosis	yes = 0, no = 1
10.3	Neurology	
10.3.1	Alzheimer's disease	yes = 0, no = 1
10.3.2	Parkinson's disease	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

10.3.3	Cerebrovascular disease	yes = 0, no = 1
10.3.4	Mild cognitive impairment	yes = 0, no = 1
10.3.5	Dementia	yes = 0, no = 1
10.3.6	Multiple sclerosis	yes = 0, no = 1
10.3.7	Coordination impairment	yes = 0, no = 1
10.3.8	Amyotrophic lateral sclerosis	yes = 0, no = 1
10.4	Endocrinology	
10.4.1	Type 2 diabetes	yes = 0, no = 1
10.4.2	Osteopenia	yes = 0, no = 1
10.4.3	Obesity	yes = 0, no = 1
10.4.4	Aging-associated metabolic syndrome	yes = 0, no = 1
10.5	Pulmonology	
10.5.1	Chronic obstructive pulmonary disease	yes = 0, no = 1
10.6	Infectious disease	
10.6.1	Postcovid state	yes = 0, no = 1
10.6.2	Obesity	yes = 0, no = 1
10.6.3	Allergology	yes = 0, no = 1
10.6.4	Alcohol/drug treatment	yes = 0, no = 1
10.7	Dermatology	

Global Longevity Clinics Industry: Parameters

10.7.1	**Alopecia areata**	**yes = 0, no = 1**
10.8	Gastroenterology	
10.8.1	**Gastroenterology**	**yes = 0, no = 1**
10.9	Ophthalmology	
10.9.1	**Blindness, cataracts, glaucoma, vision correction, including in presbyopia**	**yes = 0, no = 1**
10.9.2	**Age-related macular degeneration**	**yes = 0, no = 1**
10.10	Orthopaedics	
10.10.1	**Osteoporosis**	**yes = 0, no = 1**
10.11	Rheumatology	
10.11.1	**Arthritis**	**yes = 0, no = 1**
10.11.2	**Sarcopenia**	**yes = 0, no = 1**
10.12	Sleep disorders	
10.12.1	**Sleep disorders**	**yes = 0, no = 1**
10.13	Dentistry	
10.13.1	**Periodontal disease**	**yes = 0, no = 1**
10.14	Otolaryngology	
10.14.1	**Hearing loss**	**yes = 0, no = 1**
10.15	Immunology	
10.15.1	**Immunodeficiency**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters

10.16	**Urology**	
10.16.1	**Chronic kidney disease**	**yes = 0, no = 1**
10.17	**Urogynecology**	
10.17.1	**Adenoma, mastopathy**	**yes = 0, no = 1**
10.18	**Maternal-Fetal medicine**	
10.18.1	**Maternal-Fetal medicine**	**yes = 0, no = 1**
10.19	**Relevance in multiple fields**	
10.19.1	**Varices**	**yes = 0, no = 1**
10.19.2	**Frailty**	**yes = 0, no = 1**
10.19.3	**Multiple Chronic Conditions**	**yes = 0, no = 1**
10.20	**Prevalence of a disease**	
10.20.1	**Prevalence of a disease**	**Number of people affected by a disease**
11	**Focus level (Therapeutic depth factor).**	
11.1	**Biochemistry level**	**yes = 0, no = 1**
11.2	**Genomic**	**yes = 0, no = 1**
11.3	**Proteins and Cell signaling**	**yes = 0, no = 1**
11.4	**Cellular**	**yes = 0, no = 1**
11.5	**Tissue level**	**yes = 0, no = 1**
11.6	**Organs**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters

12	Services	
12.1	Number of services offered	yes = 0, no = 1
12.2	Microbiome analysis platform	yes = 0, no = 1
12.3	Neoepitope prediction platform	yes = 0, no = 1
12.4	Biomarker discovery platform	yes = 0, no = 1
12.5	Small molecules design	yes = 0, no = 1
12.6	Peptide drug design	yes = 0, no = 1
12.7	Drugs properties prediction	yes = 0, no = 1
12.8	Personalized medicine/Treatment optimization	yes = 0, no = 1
12.9	Biomarkers and molecular pathways for ageing	yes = 0, no = 1
12.10	Repurposing existing drugs	yes = 0, no = 1
12.11	Development of oligonucleotide therapies	yes = 0, no = 1
12.12	Development of vaccines	yes = 0, no = 1
12.13	Antibody identification	yes = 0, no = 1
12.14	Personalised diagnostics	
12.14.1	3D imaging	yes = 0, no = 1
12.14.2	Database of personal biomedical data	yes = 0, no = 1
12.14.3	Dual-energy X-ray absorptiometry scans	yes = 0, no = 1
12.14.4	Mobile Apps/AI assistants	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

12.14.5	Multi-Omics Sequencing	yes = 0, no = 1
12.14.6	Non-invasive monitoring of biomarkers	yes = 0, no = 1
12.14.7	Qualitative functional tests	yes = 0, no = 1
12.14.8	Telemedicine	yes = 0, no = 1
12.14.9	Total-body imaging	yes = 0, no = 1
12.15	Biomarkers of Physical Function and Physiology	
12.15.1	Gripping force	yes = 0, no = 1
12.15.2	Walking speed	yes = 0, no = 1
12.15.3	Resilience test	yes = 0, no = 1
12.15.4	Atherosclerotic lesions	yes = 0, no = 1
12.15.5	Muscle mass	yes = 0, no = 1
12.15.6	Systolic blood pressure	yes = 0, no = 1
12.15.7	Body mass index	yes = 0, no = 1
12.15.8	Bone density	yes = 0, no = 1
12.15.9	Lung function	yes = 0, no = 1
12.15.10	Waist circumference	yes = 0, no = 1
12.15.11	General wellbeing	yes = 0, no = 1
12.15.12	Health ratings	yes = 0, no = 1
12.16	Blood-based Biomarkers	

Global Longevity Clinics Industry: Parameters

12.16.1	Lymphocytes A / VBC	yes = 0, no = 1
12.16.2	Insulin	yes = 0, no = 1
12.16.3	Blood glucose	yes = 0, no = 1
12.16.4	C-reactive protein	yes = 0, no = 1
12.16.5	Total cholesterol	yes = 0, no = 1
12.16.6	Blood albumin	yes = 0, no = 1
12.16.7	IL6 [IA]	yes = 0, no = 1
12.16.8	Tumor necrosis factor alpha (TNFa) [IA]	yes = 0, no = 1
12.16.9	Blood hemoglobin	yes = 0, no = 1
12.16.10	Insulin-like growth factor 1 (IGF-1)	yes = 0, no = 1
12.16.11	LDL-cholesterol	yes = 0, no = 1
12.16.12	Triglycerides	yes = 0, no = 1
12.16.13	HDL - cholesterol	yes = 0, no = 1
12.16.14	Creatinine	yes = 0, no = 1
12.16.15	Monocytes	yes = 0, no = 1
12.16.16	Glycated hemoglobin	yes = 0, no = 1
12.16.17	Cystatin C	yes = 0, no = 1
12.16.18	N-terminal prohormone of brain natriuretic peptide (NT-proBNP)	yes = 0, no = 1
12.16.19	Alkaline phosphatase	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

12.16.20	Hematocrit / erythrocytes	yes = 0, no = 1
12.16.21	D-dimer	yes = 0, no = 1
12.16.22	IL8 [IA]	yes = 0, no = 1
12.16.23	Plasminogen activator inhibitor-1 (PAI1)	yes = 0, no = 1
12.16.24	Bilirubin	yes = 0, no = 1
12.16.25	Urea	yes = 0, no = 1
12.17	Non-epigenetic Research Laboratory Biomarkers	
12.17.1	Telomere length (TL): Average TL	yes = 0, no = 1
12.17.2	TL structure	yes = 0, no = 1
12.17.3	Shortest TL	yes = 0, no = 1
12.17.4	DNA damage	yes = 0, no = 1
12.17.5	Reactive oxygen species (ROS)	yes = 0, no = 1
12.17.6	Mitochondrial dysfunction	yes = 0, no = 1
12.17.7	EV (extracellular vesicles)	yes = 0, no = 1
12.17.8	Autophagy	yes = 0, no = 1
12.17.9	Growth factor beta conversion (TGF-p)	yes = 0, no = 1
12.17.10	Telomerase activity	yes = 0, no = 1
12.17.11	Intestinal myorobiome	yes = 0, no = 1
12.17.12	a-Clotho	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

12.17.13	Adiponectin	yes = 0, no = 1
12.17.14	Sirtuin 1 (SIRT1)	yes = 0, no = 1
12.17.15	Growth differentiation factor 15 (GDF15)	yes = 0, no = 1
12.17.16	Sirtuin 6 (SIRT6)	yes = 0, no = 1
12.17.17	Growth differentiation factor 11 (GDF 11)	yes = 0, no = 1
12.17.18	CXCL1	yes = 0, no = 1
12.17.19	Microbiome of the skin	yes = 0, no = 1
12.18	Epigenetic Research Laboratory Biomarkers	
12.18.1	DNA methylation and aging hours:	yes = 0, no = 1
12.18.2	Horvat watches	yes = 0, no = 1
12.18.3	Hannum clock	yes = 0, no = 1
12.18.4	Grim Age DNA	yes = 0, no = 1
12.18.5	DNAm PhenoAge	yes = 0, no = 1
12.18.6	Weidner clock	yes = 0, no = 1
12.18.7	EpiTOC	yes = 0, no = 1
12.18.8	mRNA (microRNA)	yes = 0, no = 1
12.18.9	Noncoding RNA Expression Profiles	yes = 0, no = 1
12.18.10	exRNA (extracellular RNA)	yes = 0, no = 1
12.18.11	Histone modifications:	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

12.18.12	H4K20 methylation	yes = 0, no = 1
12.18.13	H4K16 acetylation	yes = 0, no = 1
12.18.14	H3K4 methylation	yes = 0, no = 1
12.18.15	H3K9 methylation	yes = 0, no = 1
12.18.16	H3K27 methylation	yes = 0, no = 1
12.18.17	Chromatin remodeling	yes = 0, no = 1
12.19	Senescence-Related-Biomarkers	
12.19.1	SASP	yes = 0, no = 1
12.19.2	Stopping the cell cycle	yes = 0, no = 1
12.19.3	SA- pGal	yes = 0, no = 1
12.19.4	SAHF	yes = 0, no = 1
12.19.5	Lamin B1	yes = 0, no = 1
12.19.6	Cell morphology	yes = 0, no = 1
12.20	Transcriptomic Biomarkers	
12.20.1	RNA - Seq	yes = 0, no = 1
12.21	Cognitive Biomarkers	
12.21.1	Cognitive Function Tests: Mini Cog	yes = 0, no = 1
12.21.2	Clock drawing test	yes = 0, no = 1
12.21.3	Montreal Cognitive Scale	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

12.21.4	Mental status assessment test	yes = 0, no = 1
12.21.5	Emotional status test	yes = 0, no = 1
12.22	Personalised prognostics	
12.22.1	Disease outcome prognostics	yes = 0, no = 1
12.22.2	Personalised in vitro prognostics	yes = 0, no = 1
12.22.3	Screening of hereditary diseases	yes = 0, no = 1
12.22.4	Virtual Human Prognostics	yes = 0, no = 1
12.23	Preventive Treatment	
12.23.1	3D bioprinting	yes = 0, no = 1
12.23.2	Gene therapies	yes = 0, no = 1
12.23.3	Genetically engineered cell therapies	yes = 0, no = 1
12.23.4	Heart Rate Variability optimization	yes = 0, no = 1
12.23.5	Lifestyle programs	yes = 0, no = 1
12.23.6	Microbiome engineering	yes = 0, no = 1
12.23.7	Natural mimetics of validated geroprotectors	yes = 0, no = 1
12.23.8	Non-surgical heart therapy	yes = 0, no = 1
12.23.9	Small molecules & biologics	yes = 0, no = 1
12.23.10	Tissue engineering	yes = 0, no = 1
12.24	Cosmetics	

Global Longevity Clinics Industry: Parameters

12.24.1	**Personalised stem cell creams**	**yes = 0, no = 1**
12.24.2	**Cosmetic nutraceuticals targeted at the Hallmarks of Ageing**	**yes = 0, no = 1**
12.24.3	**Cosmetic medicines and surgeries**	**yes = 0, no = 1**
12.24.4	**Rejuvenated stem cell facelifts**	**yes = 0, no = 1**
12.25	Reactionary Treatment	
12.25.1	**Abdominal medicine**	**yes = 0, no = 1**
12.25.2	**Ambulance**	**yes = 0, no = 1**
12.25.3	**Family Medicine**	**yes = 0, no = 1**
12.25.4	**General internal medicine**	**yes = 0, no = 1**
12.25.5	**Hormone therapy**	**yes = 0, no = 1**
12.25.6	**Hospice**	**yes = 0, no = 1**
12.25.7	**Infrared therapy**	**yes = 0, no = 1**
12.25.8	**Long-term care**	**yes = 0, no = 1**
12.25.9	**Movement medicine**	**yes = 0, no = 1**
12.25.10	**Nuclear medicine**	**yes = 0, no = 1**
12.25.11	**Robotic Surgery**	**yes = 0, no = 1**
12.25.12	**Surgery**	**yes = 0, no = 1**
12.25.13	**Traveller medicine**	**yes = 0, no = 1**
12.25.14	**Ultrasound Therapy**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters

12.26	Inhalation Therapy	
12.26.1	**Mineral-alkaline inhalation through a compressor nebulizer**	**yes = 0, no = 1**
12.26.2	**Inhalation with budesonide through a compressor nebulizer**	**yes = 0, no = 1**
12.26.3	**Inhalation with ambroxol through a compressor nebulizer**	**yes = 0, no = 1**
12.26.4	**Inhalation with ipratropium bromide and fenoterol through a compressor nebulizer**	**yes = 0, no = 1**
12.26.5	**Inhalation with dornase-alpha (pulmozyme) through a compressor nebulizer**	**yes = 0, no = 1**
13	**Diagnostics**	
13.1	Factors affecting longevity	
13.1.1	**Data from medical gadgets**	**yes = 0, no = 1**
13.1.2	**Lifestyle**	**yes = 0, no = 1**
13.1.3	**Genetics and Familial Diseases**	**yes = 0, no = 1**
13.1.4	**Physical activity**	**yes = 0, no = 1**
13.1.5	**Food**	**yes = 0, no = 1**
13.2	**Laboratory research**	
13.2.1	**Laboratory research**	**yes = 0, no = 1**
13.3	**Personalised diagnostics**	
13.3.1	**Biomarkers of aging**	**yes = 0, no = 1**
13.3.2	**Comprehensive Geriatric Assessment**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters

13.3.3	Comprehensive health assessment with Total body MRI / CT	yes = 0, no = 1
13.4	Genetics	
13.4.1	Genetics	yes = 0, no = 1
13.5	Histological examinations	
13.5.1	Biopsy material	yes = 0, no = 1
13.5.2	Operating material	yes = 0, no = 1
13.5.3	Puncture material	yes = 0, no = 1
13.5.4	Endoscopic material	yes = 0, no = 1
13.6	Immunohistochemical studies	
13.6.1	Immunohistochemical studies	yes = 0, no = 1
13.7	Molecular research	
13.7.1	Molecular research	yes = 0, no = 1
13.8	Cytological studies	
13.8.1	Cytological studies	yes = 0, no = 1
13.9	Dietetics	
13.9.1	Bioimpedansometry	yes = 0, no = 1
13.9.2	Drawing up a diet	yes = 0, no = 1
13.10	Liquid cytology	
13.10.1	Liquid cytology	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

13.11	Cardiology	
13.11.1	**Cardiology**	**yes = 0, no = 1**
13.12	Coloproctology	
13.12.1	**Anoscopy**	**yes = 0, no = 1**
13.12.2	**Sigmoidoscopy**	**yes = 0, no = 1**
13.12.3	**Puncture of an abscess with culture**	**yes = 0, no = 1**
13.13	Complex services / programs	
13.13.1	**Screening diagnostics of diseases of the gastrointestinal tract**	**yes = 0, no = 1**
13.13.2	**Screening diagnostics of diseases of the cardiovascular system**	**yes = 0, no = 1**
13.13.3	**Geneticist consultation with screening genetic study "Atlas"**	**yes = 0, no = 1**
13.13.4	**Microbiota Genetics Test**	**yes = 0, no = 1**
13.13.5	**Women's health screening**	**yes = 0, no = 1**
13.13.6	**Comprehensive examination program "Liver health"**	**yes = 0, no = 1**
13.13.7	**Extended consultation with a geneticist based on the results of full genome sequencing ("Complete genome" test)**	**yes = 0, no = 1**
13.13.8	**Comprehensive assessment of the health of the body (without genetic test)**	**yes = 0, no = 1**
13.13.9	**Comprehensive health assessment program with Total body MRI / CT**	**yes = 0, no = 1**
13.14	HLA-TYPING	
13.14.1	**Allergology**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters

13.14.2	Diagnosis of food intolerances	yes = 0, no = 1
13.14.3	Specific IgE antibodies to individual allergens. Allergens helmin	yes = 0, no = 1
13.14.4	Specific IgE antibodies to individual allergens. Mushroom allergens	yes = 0, no = 1
13.14.5	Specific IgE antibodies to individual allergens. Tree allergens	yes = 0, no = 1
13.14.6	Specific IgE antibodies to individual allergens. Allergens animals	yes = 0, no = 1
13.14.7	Specific IgE antibodies to individual allergens. Tick allergens	yes = 0, no = 1
13.14.8	Specific IgE antibodies to individual allergens. Drug allergens	yes = 0, no = 1
13.14.9	Specific IgE antibodies to individual allergens. Insect allergens	yes = 0, no = 1
13.14.10	Specific IgE antibodies to individual allergens. Dust allergens	yes = 0, no = 1
13.14.11	Specific IgE antibodies to individual allergens. Tissue allergens	yes = 0, no = 1
13.14.12	Specific IgE antibodies to individual allergens. Herbal allergens	yes = 0, no = 1
13.14.13	Specific IgE antibodies to individual allergens. Food allergens	yes = 0, no = 1
13.14.14	Specific IgE antibodies to individual allergens. Toxins	yes = 0, no = 1
13.14.15	Specific IgE antibodies to allergen panels	yes = 0, no = 1
13.14.16	Specific IgE antibodies to panels of allergens. Food Allergen Panels	yes = 0, no = 1
13.15	Blood biochemistry	
13.15.1	Diagnosis of anemias	yes = 0, no = 1
13.15.2	Lipid metabolism	yes = 0, no = 1
13.15.3	Protein metabolism	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

13.15.4	Exchange of pigments	yes = 0, no = 1
13.15.5	Metabolism of carbohydrates	yes = 0, no = 1
13.15.6	Specific proteins	yes = 0, no = 1
13.15.7	Enzymes	yes = 0, no = 1
13.15.8	Electrolytes and trace elements	yes = 0, no = 1
13.16	Blood hormones	
13.16.1	Parathyroid hormone	yes = 0, no = 1
13.16.2	Calcitonin	yes = 0, no = 1
13.16.3	Osteocalcin	yes = 0, no = 1
13.16.4	C-terminal telopeptides of type I collagen (Beta-Cross laps)	yes = 0, no = 1
13.16.5	Bone matrix formation marker P1NP (N-terminal procollagen type 1 propeptide)	yes = 0, no = 1
13.17	Immunological tests	
13.17.1	Immune status	yes = 0, no = 1
13.18	Immunological tests	
13.18.1	Galavit	yes = 0, no = 1
13.18.2	Gepon	yes = 0, no = 1
13.18.3	Immunal	yes = 0, no = 1
13.18.4	Immunomax	yes = 0, no = 1
13.18.5	Immunorix	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

13.18.6	Likopid	yes = 0, no = 1
13.18.7	Polyoxidonium	yes = 0, no = 1
13.18.8	Taktivin	yes = 0, no = 1
13.18.9	Timogen	yes = 0, no = 1
13.18.10	Immunofan	yes = 0, no = 1
13.19	Functional Diagnostics	
13.19.1	Vascular scanning	yes = 0, no = 1
13.19.2	Electrocardiography	yes = 0, no = 1
13.19.3	Echocardiography	yes = 0, no = 1
13.20	Gastroenterology and Hepatology	yes = 0, no = 1
13.20.1	Breathing urease test for H. pylori	yes = 0, no = 1
13.20.2	Liver elastography / elastometry (non-invasive diagnosis of liver fibrosis / cirrhosis)	yes = 0, no = 1
14	Clinic services by areas	
14.1	Gerontology	yes = 0, no = 1
14.2	Genetics	yes = 0, no = 1
14.3	Allergology-Immunology	yes = 0, no = 1
14.4	Endocrinology	yes = 0, no = 1
14.5	Cardiology	yes = 0, no = 1
14.6	Gastroenterology and hepatology	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

14.7	Nephrology	yes = 0, no = 1
14.8	Rheumatology	yes = 0, no = 1
14.9	Men's health	yes = 0, no = 1
14.10	Women's health	yes = 0, no = 1
14.11	Cosmetology	yes = 0, no = 1
14.12	Plastic surgery	yes = 0, no = 1
14.13	Hair transplant	yes = 0, no = 1
14.14	Anti-age cosmetology	yes = 0, no = 1
14.15	Sports medicine	yes = 0, no = 1
14.16	Orthopedics	yes = 0, no = 1
14.17	Manual therapy	yes = 0, no = 1
14.18	Nutrition	yes = 0, no = 1
14.19	Sleep disorders	yes = 0, no = 1
14.20	Psychotherapy	yes = 0, no = 1
14.21	Cardiology	yes = 0, no = 1
14.22	Neurology	yes = 0, no = 1
14.23	Pulmonology	yes = 0, no = 1
14.24	Somnology	yes = 0, no = 1
15	Equipment	

Global Longevity Clinics Industry: Parameters

15.1	3D whole body photo-imaging system	yes = 0, no = 1
15.2	Positron emission tomography	yes = 0, no = 1
15.3	Air Displacement Plethysmography system	yes = 0, no = 1
15.4	CT\PET scanner	yes = 0, no = 1
15.5	CTC	yes = 0, no = 1
15.6	CyberKnife	yes = 0, no = 1
15.7	DaVinci robotic	yes = 0, no = 1
15.8	Doppler Ultrasonography	yes = 0, no = 1
15.9	Dual-Energy X-ray Absorptiometry (DXA)	yes = 0, no = 1
15.10	Fit3D	yes = 0, no = 1
15.11	FlexArm	yes = 0, no = 1
15.12	GAINSWave	yes = 0, no = 1
15.13	HRV optimization Device	yes = 0, no = 1
15.14	Isokinetic Dynamometer	yes = 0, no = 1
15.15	Medical ventilators	yes = 0, no = 1
15.16	MRI machine	yes = 0, no = 1
15.17	MR-TRUS Fusion	yes = 0, no = 1
15.18	Non-Surgical Heart Therapy Device	yes = 0, no = 1
15.19	SizeStream	yes = 0, no = 1

Global Longevity Clinics Industry: Parameters

16	Clinic specialisation	
16.1	Longevity	yes = 0, no = 1
16.2	Precision Medicine	yes = 0, no = 1
16.3	Functional Medicine	yes = 0, no = 1
16.4	Wellness/SPA	yes = 0, no = 1
16.5	Restorative medicine	yes = 0, no = 1
16.6	Sports Medicine	yes = 0, no = 1
16.7	Rehabilitation Medicine	yes = 0, no = 1
16.8	Reproductive Medicine	yes = 0, no = 1
16.9	Transplantation Medicine	yes = 0, no = 1
16.10	Regenerative medicine	yes = 0, no = 1
17	Infrastructure	
17.1	Own fibroblast bank	Number of entities
17.2	Own Antibody Bank	Number of entities
17.3	Sanatorium	Number of entities
17.4	Hotel	Number of entities
17.5	Boutiques	Number of entities
17.6	Pool	Number of entities
18	Personality	

Global Longevity Clinics Industry: Parameters

18.1	Medical specialty	
18.1.1	**Gerontologist**	**yes = 0, no = 1**
18.1.2	**Nutritional medicine expert**	**yes = 0, no = 1**
18.1.3	**Prevention / Diagnostics**	**yes = 0, no = 1**
18.1.4	**Plastic and aesthetic surgery specialists**	**yes = 0, no = 1**
18.1.5	**Skin and Venereal Diseases**	**yes = 0, no = 1**
18.2	Membership in Associations	
18.2.1	**Total number of memberships**	**Number of memberships**
18.2.2	**Association of gerontologists**	**yes = 0, no = 1**
18.2.3	**Anti-Aging Medicine Association**	**yes = 0, no = 1**
18.2.4	**Life extension foundation**	**yes = 0, no = 1**
18.2.5	**Longer life foundation (LLF)**	**yes = 0, no = 1**
18.2.6	**American Federation for Aging Research (AFAR)**	**yes = 0, no = 1**
19	**Covid-19**	
19.1	Diagnostics of Covid-19	
19.1.1	**Assessment of T-cell immunity**	**yes = 0, no = 1**
19.1.2	**PCR test for COVID-19**	**yes = 0, no = 1**
19.1.3	**Rapid COVID-19 antigen test SD BIOSENSOR**	**yes = 0, no = 1**
19.1.4	**Test for IgM and IgG antibodies to COVID-19 CareUS**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters
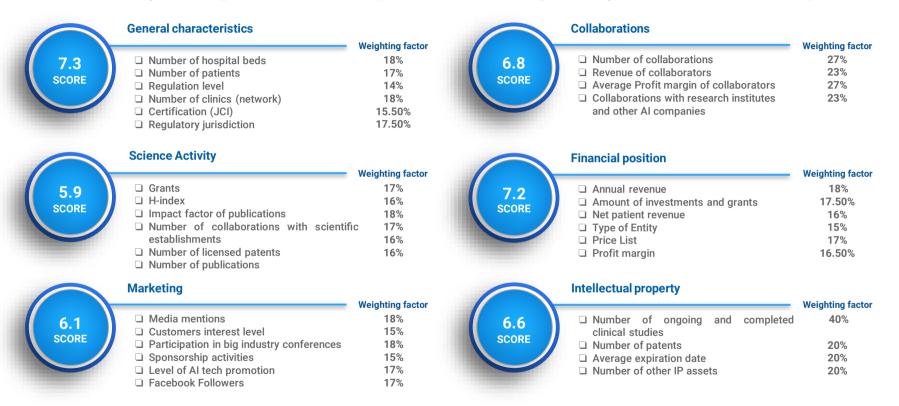
19.1.5	CT of the lungs	yes = 0, no = 1
19.1.6	Covid-19 treatment (at home)	yes = 0, no = 1
19.2	Rehabilitation program after Covid at a rehabilitation center	
19.2.1	Analysis of current health indicators and a personal recovery plan	yes = 0, no = 1
19.2.2	Supervision by a rehabilitation therapist throughout the course; monitoring of blood counts	yes = 0, no = 1
19.2.3	Individual lessons with a physiotherapist	yes = 0, no = 1
19.2.4	Underwater simulators in the pool	yes = 0, no = 1
19.2.5	Physiotherapy exercises on anti-gravity treadmill Alter - G	yes = 0, no = 1
19.2.6	ReOxy® therapy	yes = 0, no = 1
19.2.7	Classes with a psychologist / neuropsychologist	yes = 0, no = 1
19.2.8	Medical care and walks accompanied by medical staff	yes = 0, no = 1
19.2.9	Balanced diet	yes = 0, no = 1
19.2.10	Interval hypoxic training	yes = 0, no = 1
19.3	Vaccination	
19.3.1	Pfizer Vaccination	yes = 0, no = 1
19.3.2	Vaccination Sputnik V	yes = 0, no = 1
19.3.3	Moderna vaccination	yes = 0, no = 1
20	Post-Covid-19 Health Diagnostics Program	

Global Longevity Clinics Industry: Parameters

20.1	Consultation with a general practitioner and a pulmonologist	
20.1.1	**Examination of the function of external respiration**	**yes = 0, no = 1**
20.2	Diagnostic procedures	
20.2.1	**Doppler ultrasonography of the veins of the lower extremities**	**yes = 0, no = 1**
20.2.2	**12-lead electrocardiography**	**yes = 0, no = 1**
20.3	Laboratory research	
20.3.1	**General clinical blood test**	**yes = 0, no = 1**
20.3.2	**Erythrocyte sedimentation rate**	**yes = 0, no = 1**
20.3.3	**Coagulogram**	**yes = 0, no = 1**
20.3.4	**Glucose**	**yes = 0, no = 1**
20.3.5	**Vitamin D 25-OH**	**yes = 0, no = 1**
20.3.6	**General and direct bilirubin**	**yes = 0, no = 1**
20.3.7	**Creatinine**	**yes = 0, no = 1**
20.3.8	**Zinc**	**yes = 0, no = 1**
20.3.9	**Urea**	**yes = 0, no = 1**
20.3.10	**Total calcium**	**yes = 0, no = 1**
20.3.11	**Electrolytes: Na +, K +, Cl-**	**yes = 0, no = 1**
20.3.12	**Magnesium**	**yes = 0, no = 1**
20.3.13	**Procalcitonin**	**yes = 0, no = 1**

Global Longevity Clinics Industry: Parameters
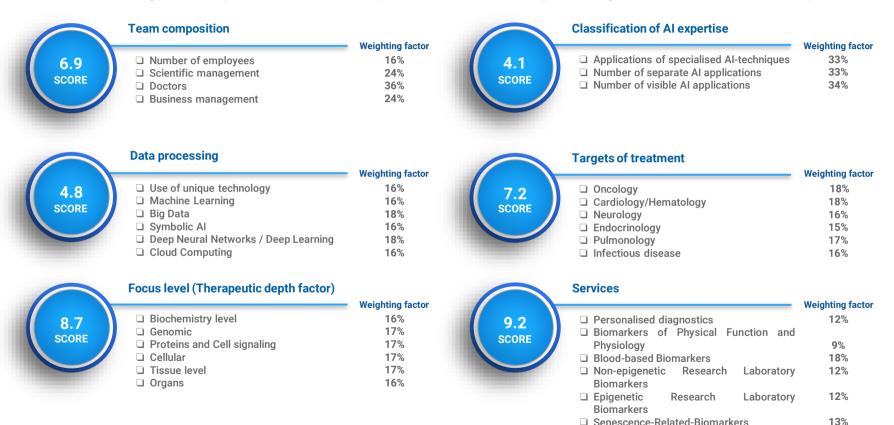
20.3.14	ALT, AST, GGT	yes = 0, no = 1
20.3.15	C-reactive protein	yes = 0, no = 1
20.3.16	Ferritin	yes = 0, no = 1
20.3.17	D-dimer	yes = 0, no = 1
20.3.18	Determination of the content of antibodies to IgM and IgG SARS-CoV-2 (ELISA)	yes = 0, no = 1
20.4	Preparation of recommendations and proposals for rehabilitation	
20.4.1	Consultation with a general practitioner	yes = 0, no = 1
20.5	Individual rehabilitation	
20.5.1	Individual rehabilitation	yes = 0, no = 1
20.6	Diagnostic and rehabilitation equipment	
20.6.1	Diagnostic and rehabilitation equipment	yes = 0, no = 1
20.6.2	Low-dose CT machine	yes = 0, no = 1
20.6.3	Spirograph	yes = 0, no = 1
20.6.4	Spiroergometry apparatus	yes = 0, no = 1
20.6.5	ReOxy therapy apparatus	yes = 0, no = 1
20.6.6	Treadmill	yes = 0, no = 1
20.6.7	Underwater simulators	yes = 0, no = 1
20.7	Infrastructure	
20.7.1	Antibody bank	yes = 0, no = 1
20.7.2	Pool	yes = 0, no = 1

Case study on good examples of Longevity Clinic: Cenegenics

Case study on good examples of Longevity Clinic: Cenegenics

General characteristics

7.3 SCORE

	Weighting factor
❏ Number of hospital beds	18%
❏ Number of patients	17%
❏ Regulation level	14%
❏ Number of clinics (network)	18%
❏ Certification (JCI)	15.50%
❏ Regulatory jurisdiction	17.50%

Science Activity

5.9 SCORE

	Weighting factor
❏ Grants	17%
❏ H-index	16%
❏ Impact factor of publications	18%
❏ Number of collaborations with scientific establishments	17%
	16%
❏ Number of licensed patents	16%
❏ Number of publications	

Marketing

6.1 SCORE

	Weighting factor
❏ Media mentions	18%
❏ Customers interest level	15%
❏ Participation in big industry conferences	18%
❏ Sponsorship activities	15%
❏ Level of AI tech promotion	17%
❏ Facebook Followers	17%

Collaborations

6.8 SCORE

	Weighting factor
❏ Number of collaborations	27%
❏ Revenue of collaborators	23%
❏ Average Profit margin of collaborators	27%
❏ Collaborations with research institutes and other AI companies	23%

Financial position

7.2 SCORE

	Weighting factor
❏ Annual revenue	18%
❏ Amount of investments and grants	17.50%
❏ Net patient revenue	16%
❏ Type of Entity	15%
❏ Price List	17%
❏ Profit margin	16.50%

Intellectual property

6.6 SCORE

	Weighting factor
❏ Number of ongoing and completed clinical studies	40%
❏ Number of patents	20%
❏ Average expiration date	20%
❏ Number of other IP assets	20%

Case study on good examples of Longevity Clinic: Cenegenics

Team composition

6.9 SCORE

	Weighting factor
❑ Number of employees	16%
❑ Scientific management	24%
❑ Doctors	36%
❑ Business management	24%

Classification of AI expertise

4.1 SCORE

	Weighting factor
❑ Applications of specialised AI-techniques	33%
❑ Number of separate AI applications	33%
❑ Number of visible AI applications	34%

Data processing

4.8 SCORE

	Weighting factor
❑ Use of unique technology	16%
❑ Machine Learning	16%
❑ Big Data	18%
❑ Symbolic AI	16%
❑ Deep Neural Networks / Deep Learning	18%
❑ Cloud Computing	16%

Targets of treatment

7.2 SCORE

	Weighting factor
❑ Oncology	18%
❑ Cardiology/Hematology	18%
❑ Neurology	16%
❑ Endocrinology	15%
❑ Pulmonology	17%
❑ Infectious disease	16%

Focus level (Therapeutic depth factor)

8.7 SCORE

	Weighting factor
❑ Biochemistry level	16%
❑ Genomic	17%
❑ Proteins and Cell signaling	17%
❑ Cellular	17%
❑ Tissue level	17%
❑ Organs	16%

Services

9.2 SCORE

	Weighting factor
❑ Personalised diagnostics	12%
❑ Biomarkers of Physical Function and Physiology	9%
❑ Blood-based Biomarkers	18%
❑ Non-epigenetic Research Laboratory Biomarkers	12%
❑ Epigenetic Research Laboratory Biomarkers	12%
❑ Senescence-Related-Biomarkers	13%

Case study on good examples of Longevity Clinic: Cenegenics

Diagnostics

9.0 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Equipment

7.8 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Infrastructure

5.2 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

7.6 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

9.2 SCORE

	Weighting factor
❑ Longevity	50%
❑ Precision Medicine	20%
❑ Functional Medicine	8%
❑ Wellness/SPA	8%
❑ Restorative medicine	4%
❑ Sports Medicine	10%

Personal

6.7 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on good examples of Precision Medicine Clinic: Mayo Clinic

Case study on good examples of Precision Medicine Clinic: Mayo Clinic

General characteristics

8.7 SCORE

	Weighting factor
❑ Number of hospital beds	18%
❑ Number of patients	17%
❑ Regulation level	14%
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Science Activity

7.3 SCORE

	Weighting factor
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❑ H-index	16%
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❑ Number of collaborations with scientific establishments	17%
	16%
❑ Number of licensed patents	16%
❑ Number of publications	

Marketing

8.4 SCORE

	Weighting factor
❑ Media mentions	18%
❑ Customers interest level	15%
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Financial position

8.6 SCORE

	Weighting factor
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❑ Net patient revenue	16%
❑ Type of Entity	15%
❑ Price List	17%
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Intellectual property

8.5 SCORE

	Weighting factor
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❑ Number of patents	20%
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Case study on good examples of Precision Medicine Clinic: Mayo Clinic

Team composition

8.9 SCORE

	Weighting factor
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Classification of AI expertise

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Data processing

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	Weighting factor
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Targets of treatment

9.1 SCORE

	Weighting factor
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Focus level (Therapeutic depth factor)

9.0 SCORE

	Weighting factor
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❑ Organs	16%

Services

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❑ Senescence-Related-Biomarkers	13%

Case study on good examples of Precision Medicine Clinic: Mayo Clinic

Diagnostics

9.3 SCORE

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❑ Personalised diagnostics	14%
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❑ Immunohistochemical studies	15%

Equipment

9.1 SCORE

	Weighting factor
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❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
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❑ DaVinci robotic	2%

Infrastructure

8.8 SCORE

	Weighting factor
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❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

8.7 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

9.0 SCORE

	Weighting factor
❑ Longevity	20%
❑ Precision Medicine	50%
❑ Functional Medicine	8%
❑ Wellness/SPA	8%
❑ Restorative medicine	4%
❑ Sports Medicine	10%

Personal

8.5 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on example of Functional Medicine Clinic: Santa Maria Center for Integrative Medicine

Case study on good examples of Functional Medicine Clinic:
Santa Maria Center for Integrative Medicine

General characteristics

7.2 SCORE

	Weighting factor
❏ Number of hospital beds	18%
❏ Number of patients	17%
❏ Regulation level	14%
❏ Number of clinics (network)	18%
❏ Certification (JCI)	15.50%
❏ Regulatory jurisdiction	17.50%

Collaborations

6.5 SCORE

	Weighting factor
❏ Number of collaborations	27%
❏ Revenue of collaborators	23%
❏ Average Profit margin of collaborators	27%
❏ Collaborations with research institutes and other AI companies	23%

Science Activity

5.3 SCORE

	Weighting factor
❏ Grants	17%
❏ H-index	16%
❏ Impact factor of publications	18%
❏ Number of collaborations with scientific establishments	17%
❏ Number of licensed patents	16%
❏ Number of publications	16%

Financial position

6.8 SCORE

	Weighting factor
❏ Annual revenue	18%
❏ Amount of investments and grants	17.50%
❏ Net patient revenue	16%
❏ Type of Entity	15%
❏ Price List	17%
❏ Profit margin	16.50%

Marketing

6.4 SCORE

	Weighting factor
❏ Media mentions	18%
❏ Customers interest level	15%
❏ Participation in big industry conferences	18%
❏ Sponsorship activities	15%
❏ Level of AI tech promotion	17%
❏ Facebook Followers	17%

Intellectual property

6.2 SCORE

	Weighting factor
❏ Number of ongoing and completed clinical studies	40%
❏ Number of patents	20%
❏ Average expiration date	20%
❏ Number of other IP assets	20%

Case study on good examples of Functional Medicine Clinic:
Santa Maria Center for Integrative Medicine

Team composition

6.9 SCORE

	Weighting factor
❑ Number of employees	16%
❑ Scientific management	24%
❑ Doctors	36%
❑ Business management	24%

Classification of AI expertise

4.5 SCORE

	Weighting factor
❑ Applications of specialised AI-techniques	33%
❑ Number of separate AI applications	33%
❑ Number of visible AI applications	34%

Data processing

4.6 SCORE

	Weighting factor
❑ Use of unique technology	16%
❑ Machine Learning	16%
❑ Big Data	18%
❑ Symbolic AI	16%
❑ Deep Neural Networks / Deep Learning	18%
❑ Cloud Computing	16%

Targets of treatment

6.8 SCORE

	Weighting factor
❑ Oncology	18%
❑ Cardiology/Hematology	18%
❑ Neurology	16%
❑ Endocrinology	15%
❑ Pulmonology	17%
❑ Infectious disease	16%

Focus level (Therapeutic depth factor)

8.3 SCORE

	Weighting factor
❑ Biochemistry level	16%
❑ Genomic	17%
❑ Proteins and Cell signaling	17%
❑ Cellular	17%
❑ Tissue level	17%
❑ Organs	16%

Services

7.6 SCORE

	Weighting factor
❑ Personalised diagnostics	12%
❑ Biomarkers of Physical Function and Physiology	9%
❑ Blood-based Biomarkers	18%
❑ Non-epigenetic Research Laboratory Biomarkers	12%
❑ Epigenetic Research Laboratory Biomarkers	12%
❑ Senescence-Related-Biomarkers	13%

Case study on good examples of Functional Medicine Clinic:
Santa Maria Center for Integrative Medicine

Diagnostics

7.4 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Equipment

6.1 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Infrastructure

5.9 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

6.5 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

6.9 SCORE

	Weighting factor
❑ Longevity	50%
❑ Precision Medicine	20%
❑ Functional Medicine	8%
❑ Wellness/SPA	8%
❑ Restorative medicine	4%
❑ Sports Medicine	10%

Personal

6.7 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on example of Conventional Clinic:
The Private London Clinic

Case study on good examples of Conventional Clinic:
The Private London Clinic

General characteristics

6.1 SCORE

	Weighting factor
❑ Number of hospital beds	18%
❑ Number of patients	17%
❑ Regulation level	14%
❑ Number of clinics (network)	18%
❑ Certification (JCI)	15.50%
❑ Regulatory jurisdiction	17.50%

Collaborations

5.0 SCORE

	Weighting factor
❑ Number of collaborations	27%
❑ Revenue of collaborators	23%
❑ Average Profit margin of collaborators	27%
❑ Collaborations with research institutes and other AI companies	23%

Science Activity

3.9 SCORE

	Weighting factor
❑ Grants	17%
❑ H-index	16%
❑ Impact factor of publications	18%
❑ Number of collaborations with scientific establishments	17% 16%
❑ Number of licensed patents	16%
❑ Number of publications	

Financial position

6.2 SCORE

	Weighting factor
❑ Annual revenue	18%
❑ Amount of investments and grants	17.50%
❑ Net patient revenue	16%
❑ Type of Entity	15%
❑ Price List	17%
❑ Profit margin	16.50%

Marketing

4.5 SCORE

	Weighting factor
❑ Media mentions	18%
❑ Customers interest level	15%
❑ Participation in big industry conferences	18%
❑ Sponsorship activities	15%
❑ Level of AI tech promotion	17%
❑ Facebook Followers	17%

Intellectual property

3.8 SCORE

	Weighting factor
❑ Number of ongoing and completed clinical studies	40%
❑ Number of patents	20%
❑ Average expiration date	20%
❑ Number of other IP assets	20%

Case study on good examples of Conventional Clinic:
The Private London Clinic

4.9 SCORE

Team composition

	Weighting factor
❑ Number of employees	16%
❑ Scientific management	24%
❑ Doctors	36%
❑ Business management	24%

3.2 SCORE

Classification of AI expertise

	Weighting factor
❑ Applications of specialised AI-techniques	33%
❑ Number of separate AI applications	33%
❑ Number of visible AI applications	34%

4.1 SCORE

Data processing

	Weighting factor
❑ Use of unique technology	16%
❑ Machine Learning	16%
❑ Big Data	18%
❑ Symbolic AI	16%
❑ Deep Neural Networks / Deep Learning	18%
❑ Cloud Computing	16%

6.7 SCORE

Targets of treatment

	Weighting factor
❑ Oncology	18%
❑ Cardiology/Hematology	18%
❑ Neurology	16%
❑ Endocrinology	15%
❑ Pulmonology	17%
❑ Infectious disease	16%

6.9 SCORE

Focus level (Therapeutic depth factor)

	Weighting factor
❑ Biochemistry level	16%
❑ Genomic	17%
❑ Proteins and Cell signaling	17%
❑ Cellular	17%
❑ Tissue level	17%
❑ Organs	16%

6.5 SCORE

Services

	Weighting factor
❑ Personalised diagnostics	12%
❑ Biomarkers of Physical Function and Physiology	9%
❑ Blood-based Biomarkers	18%
❑ Non-epigenetic Research Laboratory Biomarkers	12%
❑ Epigenetic Research Laboratory Biomarkers	12%
❑ Senescence-Related-Biomarkers	13%

Case study on good examples of Conventional Clinic:
The Private London Clinic

Diagnostics

5.3 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Clinic services by areas

5.8 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Equipment

4.9 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Clinic specialisation

4.0 SCORE

	Weighting factor
❑ Longevity	50%
❑ Precision Medicine	20%
❑ Functional Medicine	8%
❑ Wellness/SPA	8%
❑ Restorative medicine	4%
❑ Sports Medicine	10%

Infrastructure

4.8 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Personal

5.3 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on example of Longevity Rehab Clinic: Cassiobury Court

Case study on good examples of Longevity Rehab Clinic:
Cassiobury Court

General characteristics

7.2 SCORE

	Weighting factor
❑ Number of hospital beds	18%
❑ Number of patients	17%
❑ Regulation level	14%
❑ Number of clinics (network)	18%
❑ Certification (JCI)	15.50%
❑ Regulatory jurisdiction	17.50%

Collaborations

6.4 SCORE

	Weighting factor
❑ Number of collaborations	27%
❑ Revenue of collaborators	23%
❑ Average Profit margin of collaborators	27%
❑ Collaborations with research institutes and other AI companies	23%

Science Activity

4.8 SCORE

	Weighting factor
❑ Grants	17%
❑ H-index	16%
❑ Impact factor of publications	18%
❑ Number of collaborations with scientific establishments	17%
	16%
❑ Number of licensed patents	16%
❑ Number of publications	

Financial position

7.9 SCORE

	Weighting factor
❑ Annual revenue	18%
❑ Amount of investments and grants	17.50%
❑ Net patient revenue	16%
❑ Type of Entity	15%
❑ Price List	17%
❑ Profit margin	16.50%

Marketing

6.5 SCORE

	Weighting factor
❑ Media mentions	18%
❑ Customers interest level	15%
❑ Participation in big industry conferences	18%
❑ Sponsorship activities	15%
❑ Level of AI tech promotion	17%
❑ Facebook Followers	17%

Intellectual property

5.2 SCORE

	Weighting factor
❑ Number of ongoing and completed clinical studies	40%
❑ Number of patents	20%
❑ Average expiration date	20%
❑ Number of other IP assets	20%

Case study on good examples of Longevity Rehab Clinic:
Cassiobury Court

Team composition

7.6 SCORE		Weighting factor
	❏ Number of employees	16%
	❏ Scientific management	24%
	❏ Doctors	36%
	❏ Business management	24%

Classification of AI expertise

4.7 SCORE		Weighting factor
	❏ Applications of specialised AI-techniques	33%
	❏ Number of separate AI applications	33%
	❏ Number of visible AI applications	34%

Data processing

5.4 SCORE		Weighting factor
	❏ Use of unique technology	16%
	❏ Machine Learning	16%
	❏ Big Data	18%
	❏ Symbolic AI	16%
	❏ Deep Neural Networks / Deep Learning	18%
	❏ Cloud Computing	16%

Targets of treatment

5.2 SCORE		Weighting factor
	❏ Oncology	18%
	❏ Cardiology/Hematology	18%
	❏ Neurology	16%
	❏ Endocrinology	15%
	❏ Pulmonology	17%
	❏ Infectious disease	16%

Focus level (Therapeutic depth factor)

6.1 SCORE		Weighting factor
	❏ Biochemistry level	16%
	❏ Genomic	17%
	❏ Proteins and Cell signaling	17%
	❏ Cellular	17%
	❏ Tissue level	17%
	❏ Organs	16%

Services

5.4 SCORE		Weighting factor
	❏ Personalised diagnostics	12%
	❏ Biomarkers of Physical Function and Physiology	9%
	❏ Blood-based Biomarkers	18%
	❏ Non-epigenetic Research Laboratory Biomarkers	12%
	❏ Epigenetic Research Laboratory Biomarkers	12%
	❏ Senescence-Related-Biomarkers	13%

Case study on good examples of Longevity Rehab Clinic: Cassiobury Court

Diagnostics

5.6 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Equipment

5.5 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Infrastructure

5.5 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

4.1 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

4.2 SCORE

	Weighting factor
❑ Longevity	15%
❑ Precision Medicine	15%
❑ Functional Medicine	10%
❑ Wellness/SPA	25%
❑ Restorative medicine	25%
❑ Sports Medicine	10%

Personal

6.1 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on example of Neurohacking Clinic:
Bright Brain Centre

Case study on good examples of Neurohacking Clinic:
Bright Brain Centre

6.9 SCORE

General characteristics

	Weighting factor
❑ Number of hospital beds	18%
❑ Number of patients	17%
❑ Regulation level	14%
❑ Number of clinics (network)	18%
❑ Certification (JCI)	15.50%
❑ Regulatory jurisdiction	17.50%

6.7 SCORE

Collaborations

	Weighting factor
❑ Number of collaborations	27%
❑ Revenue of collaborators	23%
❑ Average Profit margin of collaborators	27%
❑ Collaborations with research institutes and other AI companies	23%

6.8 SCORE

Science Activity

	Weighting factor
❑ Grants	17%
❑ H-index	16%
❑ Impact factor of publications	18%
❑ Number of collaborations with scientific establishments	17%
❑ Number of licensed patents	16%
❑ Number of publications	16%

7.1 SCORE

Financial position

	Weighting factor
❑ Annual revenue	18%
❑ Amount of investments and grants	17.50%
❑ Net patient revenue	16%
❑ Type of Entity	15%
❑ Price List	17%
❑ Profit margin	16.50%

5.9 SCORE

Marketing

	Weighting factor
❑ Media mentions	18%
❑ Customers interest level	15%
❑ Participation in big industry conferences	18%
❑ Sponsorship activities	15%
❑ Level of AI tech promotion	17%
❑ Facebook Followers	17%

5.6 SCORE

Intellectual property

	Weighting factor
❑ Number of ongoing and completed clinical studies	40%
❑ Number of patents	20%
❑ Average expiration date	20%
❑ Number of other IP assets	20%

Case study on good examples of Neurohacking Clinic:
Bright Brain Centre

Team composition

6.3 SCORE

	Weighting factor
❑ Number of employees	16%
❑ Scientific management	24%
❑ Doctors	36%
❑ Business management	24%

Classification of AI expertise

6.1 SCORE

	Weighting factor
❑ Applications of specialised AI-techniques	33%
❑ Number of separate AI applications	33%
❑ Number of visible AI applications	34%

Data processing

7.6 SCORE

	Weighting factor
❑ Use of unique technology	16%
❑ Machine Learning	16%
❑ Big Data	18%
❑ Symbolic AI	16%
❑ Deep Neural Networks / Deep Learning	18%
❑ Cloud Computing	16%

Targets of treatment

4.1 SCORE

	Weighting factor
❑ Oncology	18%
❑ Cardiology/Hematology	18%
❑ Neurology	16%
❑ Endocrinology	15%
❑ Pulmonology	17%
❑ Infectious disease	16%

Focus level (Therapeutic depth factor)

5.4 SCORE

	Weighting factor
❑ Biochemistry level	16%
❑ Genomic	17%
❑ Proteins and Cell signaling	17%
❑ Cellular	17%
❑ Tissue level	17%
❑ Organs	16%

Services

4.3 SCORE

	Weighting factor
❑ Personalised diagnostics	12%
❑ Biomarkers of Physical Function and Physiology	9%
❑ Blood-based Biomarkers	18%
❑ Non-epigenetic Research Laboratory Biomarkers	12%
❑ Epigenetic Research Laboratory Biomarkers	12%
❑ Senescence-Related-Biomarkers	13%

Case study on good examples of Neurohacking Clinic:
Bright Brain Centre

Diagnostics

5.9 SCORE

	Weighting factor
❑ Factors affecting longevity	18%
❑ Laboratory research	17%
❑ Personalised diagnostics	14%
❑ Genetics	18%
❑ Histological examinations	15%
❑ Immunohistochemical studies	15%

Equipment

5.1 SCORE

	Weighting factor
❑ 3D whole body photo-imaging system	4%
❑ Positron emission tomography	4%
❑ Air Displacement Plethysmography system	3%
❑ CT\PET scanner	7%
❑ CyberKnife	2%
❑ DaVinci robotic	2%

Infrastructure

4.2 SCORE

	Weighting factor
❑ Own fibroblast bank	8%
❑ Own Antibody Bank	8%
❑ Sanatorium	6%
❑ Hotel	6%
❑ Boutiques	4%
❑ Pool	6%

Clinic services by areas

3.8 SCORE

	Weighting factor
❑ Gerontology	15%
❑ Genetics	15%
❑ Allergology-Immunology	15%
❑ Endocrinology	15%
❑ Cardiology	15%
❑ Gastroenterology and hepatology	15%

Clinic specialisation

5.1 SCORE

	Weighting factor
❑ Longevity	15%
❑ Precision Medicine	15%
❑ Functional Medicine	10%
❑ Wellness/SPA	5%
❑ Cognitive Medicine	50%
❑ Sports Medicine	5%

Personal

6.5 SCORE

	Weighting factor
❑ Gerontologist	10%
❑ Nutritional medicine expert	10%
❑ Prevention / Diagnostics	15%
❑ Plastic and aesthetic surgery specialists	8%
❑ Skin and Venereal Diseases	8%
❑ Membership in Associations	10%

Case study on example of Pets Longevity Clinic:
Longevity Veterinary Center

Case study on good examples of Pets Longevity Clinic:
Longevity Veterinary Center

General characteristics

6.5 SCORE

	Weighting factor
❏ Number of hospital beds	18%
❏ Number of patients	17%
❏ Regulation level	14%
❏ Number of clinics (network)	18%
❏ Certification (JCI)	15.50%
❏ Regulatory jurisdiction	17.50%

Collaborations

4.8 SCORE

	Weighting factor
❏ Number of collaborations	27%
❏ Revenue of collaborators	23%
❏ Average Profit margin of collaborators	27%
❏ Collaborations with research institutes and other AI companies	23%

Science Activity

3.9 SCORE

	Weighting factor
❏ Grants	17%
❏ H-index	16%
❏ Impact factor of publications	18%
❏ Number of collaborations with scientific establishments	17%
	16%
❏ Number of licensed patents	16%
❏ Number of publications	

Financial position

6.4 SCORE

	Weighting factor
❏ Annual revenue	18%
❏ Amount of investments and grants	17.50%
❏ Net patient revenue	16%
❏ Type of Entity	15%
❏ Price List	17%
❏ Profit margin	16.50%

Marketing

6.6 SCORE

	Weighting factor
❏ Media mentions	18%
❏ Customers interest level	15%
❏ Participation in big industry conferences	18%
❏ Sponsorship activities	15%
❏ Level of AI tech promotion	17%
❏ Facebook Followers	17%

Intellectual property

4.8 SCORE

	Weighting factor
❏ Number of ongoing and completed clinical studies	40%
❏ Number of patents	20%
❏ Average expiration date	20%
❏ Number of other IP assets	20%

Case study on good examples of Pets Longevity Clinic:
Longevity Veterinary Center

Team composition

6.9 SCORE

	Weighting factor
❏ Number of employees	16%
❏ Scientific management	24%
❏ Doctors	36%
❏ Business management	24%

Classification of AI expertise

3.3 SCORE

	Weighting factor
❏ Applications of specialised AI-techniques	33%
❏ Number of separate AI applications	33%
❏ Number of visible AI applications	34%

Data processing

3.9 SCORE

	Weighting factor
❏ Use of unique technology	16%
❏ Machine Learning	16%
❏ Big Data	18%
❏ Symbolic AI	16%
❏ Deep Neural Networks / Deep Learning	18%
❏ Cloud Computing	16%

Targets of treatment

6.9 SCORE

	Weighting factor
❏ Oncology	18%
❏ Cardiology/Hematology	18%
❏ Neurology	16%
❏ Endocrinology	15%
❏ Pulmonology	17%
❏ Infectious disease	16%

Focus level (Therapeutic depth factor)

7.6 SCORE

	Weighting factor
❏ Biochemistry level	16%
❏ Genomic	17%
❏ Proteins and Cell signaling	17%
❏ Cellular	17%
❏ Tissue level	17%
❏ Organs	16%

Services

6.8 SCORE

	Weighting factor
❏ Personalised diagnostics	12%
❏ Biomarkers of Physical Function and Physiology	9%
❏ Blood-based Biomarkers	18%
❏ Non-epigenetic Research Laboratory Biomarkers	12%
❏ Epigenetic Research Laboratory Biomarkers	12%
❏ Senescence-Related-Biomarkers	13%

Case study on good examples of Pets Longevity Clinic:
Longevity Veterinary Center

Diagnostics

6.9 SCORE

	Weighting factor
❏ Factors affecting longevity	18%
❏ Laboratory research	17%
❏ Personalised diagnostics	14%
❏ Genetics	18%
❏ Histological examinations	15%
❏ Immunohistochemical studies	15%

Clinic services by areas

7.1 SCORE

	Weighting factor
❏ Gerontology	15%
❏ Genetics	15%
❏ Allergology-Immunology	15%
❏ Endocrinology	15%
❏ Cardiology	15%
❏ Gastroenterology and hepatology	15%

Equipment

5.4 SCORE

	Weighting factor
❏ 3D whole body photo-imaging system	4%
❏ Positron emission tomography	4%
❏ Air Displacement Plethysmography system	3%
❏ CT\PET scanner	7%
❏ CyberKnife	2%
❏ DaVinci robotic	2%

Clinic specialisation

7.0 SCORE

	Weighting factor
❏ Longevity	15%
❏ Precision Medicine	15%
❏ Functional Medicine	10%
❏ Wellness/SPA	5%
❏ Pets Longevity	50%
❏ Sports Medicine	5%

Infrastructure

6.0 SCORE

	Weighting factor
❏ Own fibroblast bank	8%
❏ Own Antibody Bank	8%
❏ Sanatorium	6%
❏ Hotel	6%
❏ Boutiques	4%
❏ Pool	6%

Personal

5.8 SCORE

	Weighting factor
❏ Gerontologist	10%
❏ Nutritional medicine expert	10%
❏ Prevention / Diagnostics	15%
❏ Plastic and aesthetic surgery specialists	8%
❏ Skin and Venereal Diseases	8%
❏ Membership in Associations	10%

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.

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Deep Knowledge is Transcendent Power

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