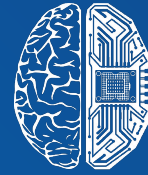




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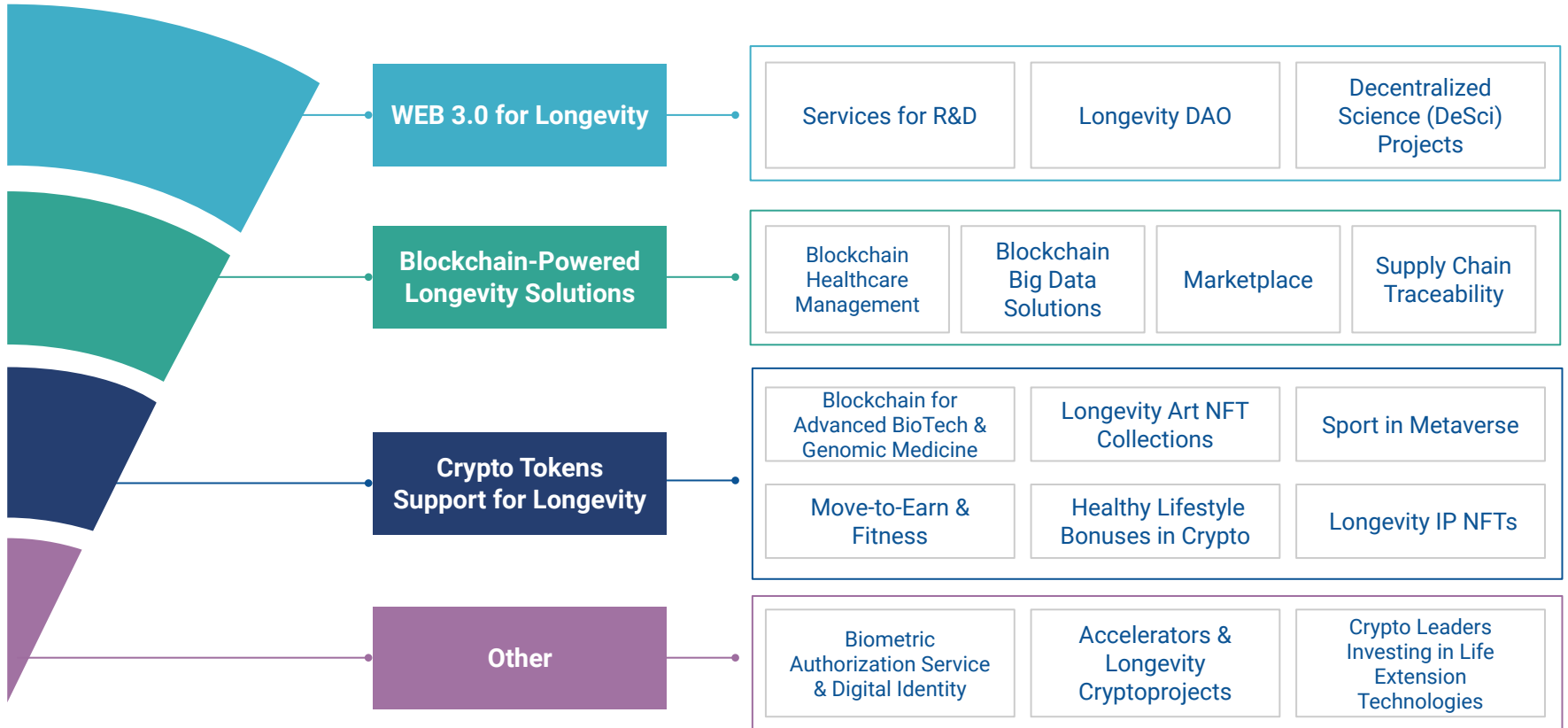
# Blockchain in Longevity Industry Framework

[www.aginganalytics.com](http://www.aginganalytics.com)

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[www.dkv.global](http://www.dkv.global)

# Blockchain in Longevity Industry Framework



# WEB 3.0 for Longevity

- Web3.0 is the next evolution of the internet, where the focus is on decentralization, trust, and transparency. In the context of the longevity industry, Web3.0 has the potential to revolutionize the way scientific research and knowledge are created, shared, and accessed.
- Through the use of blockchain technology and the Web3 stack, the longevity industry can build a public infrastructure that enables fair and equitable funding, creation, review, storage, and dissemination of scientific knowledge. This infrastructure will enable researchers to collaborate and share knowledge more effectively, ultimately driving innovation and progress in scientific research.
- Web3.0 can also enable the development of decentralized funding mechanisms that allow researchers to bypass traditional funding mechanisms and access funds more fairly. By using decentralized networks to fund research projects, the longevity industry can ensure that research funding is more fairly distributed and that research projects are evaluated based on their scientific merit.
- In addition, Web3.0 provides a platform for the open sharing and attribution of scientific data and results, thereby promoting a more open and equitable research ecosystem. By leveraging decentralized networks and distributed ledger technologies, Web3.0 can promote transparency, accessibility, and collaboration throughout the entire scientific research process.
- Overall, Web3.0 has the potential to democratize scientific research and knowledge dissemination, ultimately driving innovation and progress in the longevity industry. By building a public infrastructure that enables fair and equitable funding, creation, review, storage, and dissemination of scientific knowledge, the longevity industry can achieve its goal of promoting healthier, longer lives for all.

## Service for R&D

- Research and Development (R&D) services are essential to driving innovation in the blockchain industry. By conducting research, designing new products and services, and implementing them effectively, R&D teams can create groundbreaking solutions that address real-world problems and provide value to businesses and consumers alike. To accomplish this, R&D teams utilize a range of advanced tools and technologies such as software development, data engineering, AI, and machine learning, which help accelerate the development cycle and bring new products and services to market quickly.
- The use of blockchain technology has the potential to revolutionize various industries such as healthcare, academia, and commercial labs. In healthcare, blockchain-based solutions can ensure the privacy and security of patient data, improving data sharing, and streamlining clinical trials. In academia, blockchain can authenticate academic credentials, reducing the risk of fraud and improving the transparency and accountability of academic records. In commercial labs, blockchain-based solutions can improve supply chain management, leading to more efficient and cost-effective tracking and management.
- The value of R&D services extends beyond the creation of new products and services. By staying at the forefront of innovation, R&D teams can help businesses stay competitive in a rapidly evolving industry. R&D teams can also provide valuable insights into emerging trends and technologies, helping businesses make informed decisions and adapt quickly to change.
- In conclusion, R&D services play a vital role in driving innovation and success in the blockchain industry. By utilizing advanced tools and technologies, R&D teams can accelerate the development cycle and bring new solutions to market quickly, benefitting a wide range of industries such as healthcare, academia, and commercial labs. The continued growth and evolution of the blockchain ecosystem will make R&D services even more crucial to the success of businesses operating in the industry.

## Longevity DAO

- Longevity DAO is a decentralized autonomous organization that is dedicated to advancing research and development in the field of longevity and healthy aging through the use of blockchain technology. The DAO is driven by a community of like-minded individuals who share a common goal of promoting healthier, longer lives for all.
- One of the key features of Longevity DAO is its funding mechanism, which allows members to contribute funds towards supporting innovators and research projects in the longevity industry. This funding mechanism enables the community to support early-stage projects that may not have access to traditional funding sources.
- In addition to funding, Longevity DAO provides members with decision-making power through voting power, ensuring that the community's interests are always represented. This democratic approach to decision-making ensures that the DAO remains transparent and accountable to its members.
- Moreover, Longevity DAO provides access to a detailed map of the longevity industry, giving members a comprehensive view of the latest advancements and trends in the field. This access to information enables members to make informed decisions and contribute more effectively to the community.
- Another unique feature of Longevity DAO is its recognition and honors program, which rewards members who make significant contributions to the longevity community with non-fungible tokens. This incentivizes members to contribute more actively to the community and promotes a culture of innovation and progress.
- Finally, Longevity DAO provides its members with access to the latest early-stage longevity technology, giving them a first-hand look at the latest breakthroughs and innovations in the field. By providing this access, the DAO is driving innovation and progress in the field of longevity, ultimately promoting healthier, longer lives for all.

## Decentralized Science (DeSci) Projects

- In the context of Web3, DeSci (Decentralized Science) is a movement that is seeking to revolutionize scientific research and knowledge dissemination through the use of blockchain technology and the Web3 stack. By utilizing decentralized networks and distributed ledger technologies, DeSci aims to democratize scientific research and promote transparency, accessibility, and collaboration throughout the entire scientific research process.
- The goal of DeSci is to build a public infrastructure that will enable fair and equitable funding, creation, review, storage, and dissemination of scientific knowledge. Through this infrastructure, DeSci aims to eliminate gatekeepers and allow for the open sharing and attribution of scientific data and results, thereby promoting a more open and equitable research ecosystem.
- One of the key benefits of DeSci is that it will enable researchers to bypass traditional funding mechanisms and access funds through decentralized funding mechanisms. By using decentralized networks to fund research projects, DeSci aims to ensure that research funding is more fairly distributed and that research projects are evaluated based on their scientific merit, rather than the reputation of the researchers or the institutions they are affiliated with.
- Moreover, DeSci provides a platform for the creation, review, and storage of scientific knowledge in a transparent and accessible manner. This platform enables researchers to collaborate and share knowledge more effectively, ultimately driving innovation and progress in scientific research. Through these initiatives, DeSci is promoting a more democratic and inclusive scientific research ecosystem, where scientific knowledge is openly shared and accessible to all. By democratizing scientific research and knowledge, DeSci seeks to advance scientific knowledge for the benefit of all, while promoting a more open and equitable research ecosystem.

# Blockchain-Powered Longevity Solutions

- Blockchain-powered longevity solutions refer to the use of blockchain technology in the longevity industry to address challenges related to data management, supply chain transparency, and marketplace efficiency. By leveraging blockchain's decentralized and tamper-proof nature, stakeholders in the longevity industry can ensure the security, privacy, and accuracy of sensitive patient data, while also enabling more efficient and collaborative research and development of personalized treatments and interventions.
- Blockchain-powered longevity solutions also have the potential to improve the accessibility and affordability of healthcare services for aging populations. By utilizing blockchain technology to create decentralized and transparent platforms for healthcare delivery and payment, stakeholders can reduce administrative overhead costs and improve the efficiency of healthcare systems. Moreover, blockchain technology can enable secure and private sharing of medical data among healthcare providers, facilitating the delivery of personalized and patient-centered care. As the population ages, the demand for innovative solutions for healthy aging will continue to grow, and blockchain-powered longevity solutions are poised to play an increasingly critical role in addressing this challenge.
- Additionally, the integration of blockchain technology in the supply chain of longevity products and services can enhance transparency and accountability, reducing the risk of counterfeit products and ensuring that stakeholders can verify the origin, quality, and authenticity of products and services. Finally, blockchain-based marketplaces for longevity products and services can provide a secure and decentralized platform for buyers and sellers to transact, incentivizing innovation and collaboration among stakeholders while also ensuring transparency, trust, and immutability in transactions and data management.

## Blockchain Healthcare Management

- Blockchain Healthcare Management has the potential to revolutionize the healthcare industry by enhancing data management, security, and supply chain transparency. By leveraging blockchain technology, patients can have greater control over their medical data and authorize who can access it. Healthcare providers, in turn, can access and share patient data more efficiently and securely, thereby improving the overall quality of care.
- Blockchain technology can also enable better tracking and authentication of medical products, ensuring patient safety and reducing the risk of counterfeit products in the supply chain. This is particularly important given the growing prevalence of counterfeit drugs in many parts of the world.
- In addition, blockchain-based healthcare management solutions can improve the efficiency of healthcare systems by reducing administrative burdens and eliminating redundant processes. This can lead to significant cost savings for healthcare providers, which can ultimately translate into lower healthcare costs for patients.
- Overall, Blockchain Healthcare Management has the potential to transform the healthcare industry by improving data management, security, and supply chain transparency. By enhancing patient control over their medical data, improving supply chain management, and reducing administrative burdens, blockchain-based solutions can help improve healthcare outcomes and promote greater trust between patients and healthcare providers.



## Blockchain Big Data Solutions

- The use of Blockchain Big Data Solutions in the longevity industry has transformed the way researchers and healthcare providers manage and analyze vast amounts of data. By using blockchain's secure and decentralized nature, these solutions provide a more transparent, efficient, and collaborative way of collecting, storing, and sharing data. This approach can provide valuable insights into aging and age-related diseases, leading to the development of personalized treatments and interventions that can improve patient outcomes.
- Moreover, Blockchain Big Data Solutions can improve the integrity of data by ensuring its immutability and transparency. This helps to reduce errors and fraud in the data, which is particularly important when dealing with sensitive health information. Additionally, these solutions can enhance supply chain management and ensure the authenticity of medical products, reducing the risk of counterfeit drugs entering the market.
- Furthermore, by using blockchain technology to store and manage data, researchers and healthcare providers can be assured of its security and privacy, as the data is encrypted and accessible only to authorized parties. The use of blockchain technology in this way also promotes greater trust and accountability among stakeholders in the longevity industry.
- As the longevity industry continues to grow, the use of Blockchain Big Data Solutions is expected to play a more significant role in advancing research and improving healthcare delivery. These solutions offer enormous potential to revolutionize the field of longevity and help promote healthier and longer lives for everyone.

## Marketplace

- Blockchain-powered longevity marketplaces have the potential to revolutionize the way people access and utilize products and services related to healthy aging. These decentralized platforms provide a secure and transparent environment for buyers and sellers to connect and transact. By leveraging blockchain technology, marketplaces can ensure that all transactions are tamper-proof and transparent, promoting trust between buyers and sellers. This level of transparency can also increase competition and drive down prices, making longevity solutions more accessible to a wider range of people.
- In addition, blockchain-based marketplaces can incentivize innovation in the longevity industry by providing rewards for new ideas and collaborations. This can lead to the development of more personalized and effective solutions for extending healthy lifespans, ultimately benefiting individuals, healthcare providers, and society as a whole. The decentralized nature of these marketplaces also allows for greater control over personal data and privacy, giving users more autonomy and control over their health-related decisions.
- Furthermore, blockchain-powered marketplaces can provide a more efficient way of tracking and verifying the authenticity of products and services, reducing the risk of fraud and counterfeit products. This can improve patient safety and promote trust in the longevity industry. Overall, blockchain-powered longevity marketplaces have the potential to transform the way people access and utilize longevity solutions, leading to longer and healthier lives.

## Supply Chain Traceability

- Supply Chain Traceability is a critical component of the longevity industry, as it enables stakeholders to ensure the safety and efficacy of products and services related to healthy aging. By utilizing blockchain technology, Supply Chain Traceability can enhance transparency, accountability, and data security in the supply chain, allowing stakeholders to track and verify the origin, quality, and authenticity of products and services. This can help to promote greater trust and confidence among stakeholders, including patients, healthcare providers, regulators, and manufacturers.
- Additionally, the integration of Supply Chain Traceability in the longevity industry can streamline supply chain processes, reduce costs, and minimize waste, as stakeholders can more easily identify inefficiencies and bottlenecks in the supply chain. By enabling stakeholders to access real-time data and insights, Supply Chain Traceability can also promote the development of safe, effective, and innovative products and services for healthy aging, ultimately improving patient outcomes and quality of life.
- Supply Chain Traceability can also help prevent the distribution of counterfeit or substandard products, ensuring that patients receive the appropriate and safe treatments they need. Moreover, the use of blockchain technology can further enhance transparency and trust among stakeholders in the longevity industry, fostering greater collaboration and innovation in the development of products and services that support healthy aging. Overall, the integration of Supply Chain Traceability in the longevity industry has the potential to transform the way stakeholders manage and deliver products and services, while also advancing the development of novel solutions for healthy aging.

# Crypto Tokens Support for Longevity

- Crypto tokens have emerged as a promising new avenue for supporting longevity research and development. By issuing tokens that represent ownership or access to a particular longevity project or technology, startups in this field can raise funds and generate interest among investors.
- Crypto tokens can be traded on blockchain networks, providing a new form of investment and financial gain for those who support longevity research. This allows individuals to invest in the longevity industry in a decentralized and transparent way, without relying on traditional funding sources such as venture capital firms.
- The use of crypto tokens can also help to democratize access to longevity research and development. By providing a platform for crowdfunding and investment, crypto tokens can enable a wider range of individuals to contribute to the development of life-extending technologies.
- The use of crypto tokens can also enable new forms of incentivization and collaboration within the industry. Tokens can be used to reward individuals or organizations for contributing to the development of life-extending technologies, or to facilitate collaboration between different players in the longevity ecosystem.
- Overall, the use of crypto tokens for supporting longevity research and development has significant potential. By leveraging blockchain technology, crypto tokens can help to drive innovation and progress in the field of life extension, and to bring the benefits of longevity research to a wider audience.

## Blockchain for Advanced BioTech & Genomic Medicine

- Blockchain technology can be leveraged to enhance the security, transparency, and efficiency of advanced biotech and genomic medicine. By using blockchain, stakeholders can securely store and share sensitive genomic data while ensuring patient privacy and confidentiality. Blockchain also enables the creation of tamper-proof and auditable records of genomic data, which can facilitate research collaborations, accelerate drug discovery, and support precision medicine. Furthermore, blockchain can streamline the management of clinical trials and the delivery of personalized care, ultimately leading to improved health outcomes for patients.
- The application of blockchain technology in advanced biotech and genomic medicine also enables the creation of decentralized marketplaces for genomic data, allowing patients to control their data and monetize it while ensuring its security and privacy. This incentivizes patients to participate in research studies and share their data, which can ultimately accelerate scientific discoveries and improve patient outcomes.
- Additionally, blockchain-based solutions can enable more efficient and secure communication and collaboration among stakeholders in the biotech and genomics industry, fostering innovation and driving progress towards more personalized and effective treatments for diseases. Overall, blockchain-powered solutions have the potential to transform the landscape of biotech and genomics by enhancing data security, transparency, and efficiency, ultimately leading to improved patient outcomes and better public health.

## Longevity Art NFT Collections

- Longevity Art NFT Collections are a unique form of crypto tokens that offer an exciting opportunity for individuals to invest in a growing art collection that is dedicated to the promotion of longevity research and development. The creation and sale of these tokens enable artists to showcase their talents while raising funds to support vital longevity research projects. The use of blockchain technology ensures the security and transparency of the transactions, enabling investors to track and verify the authenticity of the artwork and the investment value of the tokens.
- Longevity Art NFT Collections also offer an opportunity for the longevity industry to reach a broader audience, engaging the public in the conversation and highlighting the importance of scientific advancements in promoting healthy aging. Furthermore, these tokens offer a novel way for investors to diversify their portfolio and potentially benefit from the appreciation of the value of the art collection. As the longevity industry continues to grow, Longevity Art NFT Collections are expected to play an increasingly important role in promoting the intersection of art and science in the pursuit of extending healthy lifespans.
- In addition to promoting the intersection of art and science, Longevity Art NFT Collections also provide a unique opportunity for artists to showcase their work and contribute to the advancement of longevity. By creating artwork that highlights the importance of healthy aging and longevity, artists can play an active role in shaping the conversation around this critical issue. As the field of longevity continues to grow, Longevity Art NFT Collections are poised to become an increasingly important part of the ecosystem, bringing together art enthusiasts, investors, researchers, and developers in support of the common goal of extending healthy lifespans.

## Sport in Metaverse

- The emergence of the metaverse has created new opportunities for the integration of sport and physical activity into digital environments. Crypto tokens can support the development of sport in the metaverse by facilitating the creation of decentralized platforms for virtual sports, fitness challenges, and other physical activities.
- These platforms can incentivize users to engage in regular physical activity through rewards in the form of crypto tokens, promoting healthy lifestyles and longevity. By using blockchain technology, these platforms can ensure the transparency and security of transactions, protect the privacy of users, and enable the creation of decentralized governance models that involve stakeholders in the longevity industry.
- Crypto tokens can also provide a means of funding for sport and fitness projects in the metaverse, including research and development of new technologies, equipment, and facilities. The integration of sport in the metaverse can also create new opportunities for social interaction and community building, providing a space for individuals to connect and collaborate on shared goals related to health and longevity. This can contribute to the creation of a culture of longevity, where healthy lifestyle choices are encouraged and supported.
- Overall, the use of crypto tokens to support sport in the metaverse can play a significant role in advancing the longevity industry by promoting healthy lifestyles, fostering innovation in sport and fitness technologies, and creating new opportunities for collaboration and community building.

## Move-to-Earn & Fitness

- Move-to-Earn (M2E) is a new concept in the crypto world that incentivizes physical activity by rewarding individuals with cryptocurrency. M2E platforms track users' fitness data through wearable devices and issue tokens as a reward for achieving fitness goals. By supporting M2E platforms, individuals can improve their physical health and potentially earn cryptocurrency at the same time, creating a win-win situation.
- In the context of longevity, M2E has the potential to encourage healthy behaviors and promote the prevention of age-related diseases. Regular physical activity is known to have numerous health benefits, including improving cardiovascular health, reducing the risk of obesity and type 2 diabetes, and even improving cognitive function. By incentivizing physical activity through M2E, individuals may be more likely to adopt and maintain healthy behaviors, ultimately leading to improved health outcomes and extended healthy lifespans.
- Moreover, M2E can also promote community engagement and social connections, which are essential for healthy aging. M2E platforms can create social networks and groups that encourage individuals to support and motivate each other, leading to increased participation in physical activity and a sense of belonging.
- In addition to the benefits for individuals, M2E can also support the growth of the longevity industry by promoting the development of fitness-related products and services. Fitness wearables and other technology can be integrated into M2E platforms, creating new opportunities for innovation and collaboration among stakeholders in the longevity industry. Overall, M2E is a promising approach to incentivizing physical activity and promoting healthy aging, while also supporting the growth of the crypto industry.



## Healthy Lifestyle Bonuses in Crypto

- Healthy lifestyle bonuses in crypto refer to incentives provided to individuals who engage in healthy behaviors such as regular exercise, healthy eating, and adequate sleep. Crypto tokens can be used to incentivize individuals to adopt and maintain healthy lifestyles, leading to improved health outcomes and potentially longer lifespans.
- These tokens can be earned by participating in fitness challenges, using health tracking apps, or engaging in other health-promoting activities. In addition, these tokens can be redeemed for rewards such as discounts on health-related products and services, access to premium fitness programs, or even cash payouts.
- By leveraging crypto tokens, stakeholders in the longevity industry can encourage individuals to take responsibility for their health and well-being, while simultaneously promoting the growth of the industry. The use of crypto tokens for healthy lifestyle bonuses can also facilitate the development of data-driven approaches to health management, leading to more personalized and effective interventions.
- In addition, the implementation of healthy lifestyle bonuses in the form of crypto tokens can incentivize individuals to adopt and maintain healthy habits, ultimately leading to a reduction in healthcare costs and an improvement in overall population health. This approach can also promote social equity, as individuals who may not have access to traditional financial incentives for healthy behavior can still benefit from the rewards offered by crypto tokens. Overall, the use of crypto tokens as a means of promoting healthy lifestyles presents an innovative and potentially effective solution for addressing the challenges associated with promoting healthy behavior and improving population health.

## Longevity IP NFTs

- Longevity IP NFTs, also known as non-fungible tokens, are unique digital assets that represent ownership of specific intellectual property related to longevity research and development. These tokens can be bought and sold on blockchain networks, providing a new avenue for investment in longevity-related technologies.
- Crypto tokens have been instrumental in providing financial support for longevity research and development. They offer an innovative way for individuals and organizations to invest in scientific and technological advancements that can extend human life expectancy. By buying tokens associated with longevity IP NFTs, investors can support research efforts in this field, while potentially earning a return on their investment.
- The use of blockchain technology ensures that longevity IP NFTs are secure and transparent, as ownership is recorded on a decentralized ledger that cannot be altered. This also ensures that the intellectual property rights of creators and inventors are protected, as ownership of their ideas is clearly defined.
- The potential benefits of longevity IP NFTs extend beyond financial gain. By incentivizing investment in longevity research, these tokens have the potential to accelerate the development of life-extending technologies. This can have a significant impact on global health and wellness, as longer lifespans could lead to a reduction in disease burden and improved quality of life.
- In addition, the use of blockchain technology for longevity IP NFTs can also promote collaboration between researchers and innovators from different parts of the world. This can help accelerate the development of breakthrough technologies and foster a more open and collaborative approach to longevity research. Overall, longevity IP NFTs represent a promising new avenue for investment in longevity research and development. By providing a transparent and secure way to invest in intellectual property related to longevity, these tokens have the potential to accelerate the development of life-extending technologies and improve global health outcomes.

# Other

- Beyond the aspects of WEB 3.0, blockchain-powered longevity solutions, and crypto tokens support for longevity, there are other important aspects of blockchain in the longevity industry framework.
- One such aspect is the use of biometric authorization services and digital identity verification in the longevity industry. These technologies can help to ensure the security and accuracy of personal health data, which is essential for effective longevity research and development.
- Accelerators and longevity cryptoprojects are also an important part of the blockchain-based longevity industry. These programs can provide funding and mentorship to startups in the field, helping to drive innovation and progress.
- In addition, the involvement of crypto leaders in investing in life extension technologies has the potential to bring significant resources and attention to the field. Their investments can support breakthrough research and development, and potentially transform the way we think about aging and lifespan.
- Overall, the use of blockchain technology in the longevity industry has the potential to revolutionize the field, driving innovation, progress, and improved health outcomes. By leveraging the unique features of blockchain, such as decentralized control and transparent data sharing, the longevity industry can overcome many of the challenges and obstacles that have historically hindered progress in this field.

## Biometric Authorization Service & Digital Identity

- Biometric authorization services are becoming increasingly popular as a means of enhancing security and privacy in the digital age. These services use biometric data, such as fingerprints or facial recognition, to confirm the identity of individuals accessing sensitive data or making financial transactions.
- In the context of crypto tokens support for longevity, biometric authorization services can be used to ensure the secure and transparent transfer of digital assets related to longevity research and development. By linking biometric data to a digital identity, individuals can securely and easily access and transfer their crypto assets without the need for complex passwords or traditional forms of identification.
- The use of biometric authorization services also has the potential to reduce fraud and improve compliance in the crypto industry. By verifying the identity of individuals involved in crypto transactions, it becomes more difficult for bad actors to engage in fraudulent activities.
- Digital identity is also a critical component of crypto tokens support for longevity. A digital identity serves as a unique identifier for individuals and organizations involved in the development of life-extending technologies. By establishing a clear digital identity, individuals and organizations can be held accountable for their contributions to the longevity field, and can more easily collaborate on research and development efforts.
- Overall, the use of biometric authorization services and digital identity in the context of crypto tokens support for longevity represents an exciting new development in the field of life extension. By leveraging these emerging technologies, researchers and innovators can work together more effectively to develop breakthrough technologies that have the potential to significantly extend human life expectancy.

## Accelerators & Longevity Cryptoprojects

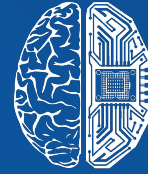
- Accelerators are programs that support and mentor early-stage startups, providing them with resources and expertise to help them grow and succeed. In the context of longevity crypto projects, accelerators can play a critical role in supporting the development of life-extending technologies.
- Accelerators can provide funding and mentorship to longevity crypto projects, helping to move them from the conceptual stage to practical implementation. They can also offer access to a network of industry experts and investors who can provide further support and guidance.
- By supporting longevity crypto projects, accelerators can help to drive innovation and growth in the field of life extension. This can lead to the development of breakthrough technologies that have the potential to significantly extend human lifespan and improve global health outcomes.
- The use of crypto tokens can provide an innovative way to fund longevity crypto projects through accelerators. By issuing tokens that represent ownership or access to a particular longevity crypto project, investors can provide funding and support to startups in this field. These tokens can then be traded on blockchain networks, providing a new avenue for investment and financial gain.
- Overall, accelerators and crypto tokens have the potential to play a critical role in supporting the development of life-extending technologies. By providing funding and mentorship to startups in this field, they can help to drive innovation and progress, and potentially transform the way we think about aging and longevity.

## Crypto Leaders Investing in Life Extension Technologies

- As the field of longevity research continues to gain momentum, an increasing number of crypto leaders are investing in life extension technologies. These leaders recognize the potential for breakthroughs in the field to significantly extend human lifespan and improve global health outcomes.
- Some of the world's most prominent crypto investors, such as Tim Draper and Peter Thiel, have been vocal in their support of longevity research and development. They have invested in a range of life extension technologies, from genetic engineering to stem cell research to nanotechnology.
- Other crypto leaders have also been active in funding and supporting longevity research through their investments. These include Vitalik Buterin, the founder of Ethereum, who has donated to longevity research organizations, and Charlie Lee, the creator of Litecoin, who has invested in biotech companies focused on life extension.
- Crypto leaders are attracted to the potential for disruptive innovation in the longevity field, as well as the potential for significant financial returns. The use of blockchain technology and crypto tokens also provides a new avenue for investment and funding in this emerging industry.
- Overall, the investment and support of crypto leaders in life extension technologies is a promising sign for the future of longevity research and development. As more resources and attention are directed towards this field, there is a real potential for breakthroughs that could transform the way we think about aging and lifespan.



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# Blockchain in Longevity Industry Framework

## *Market Overview*

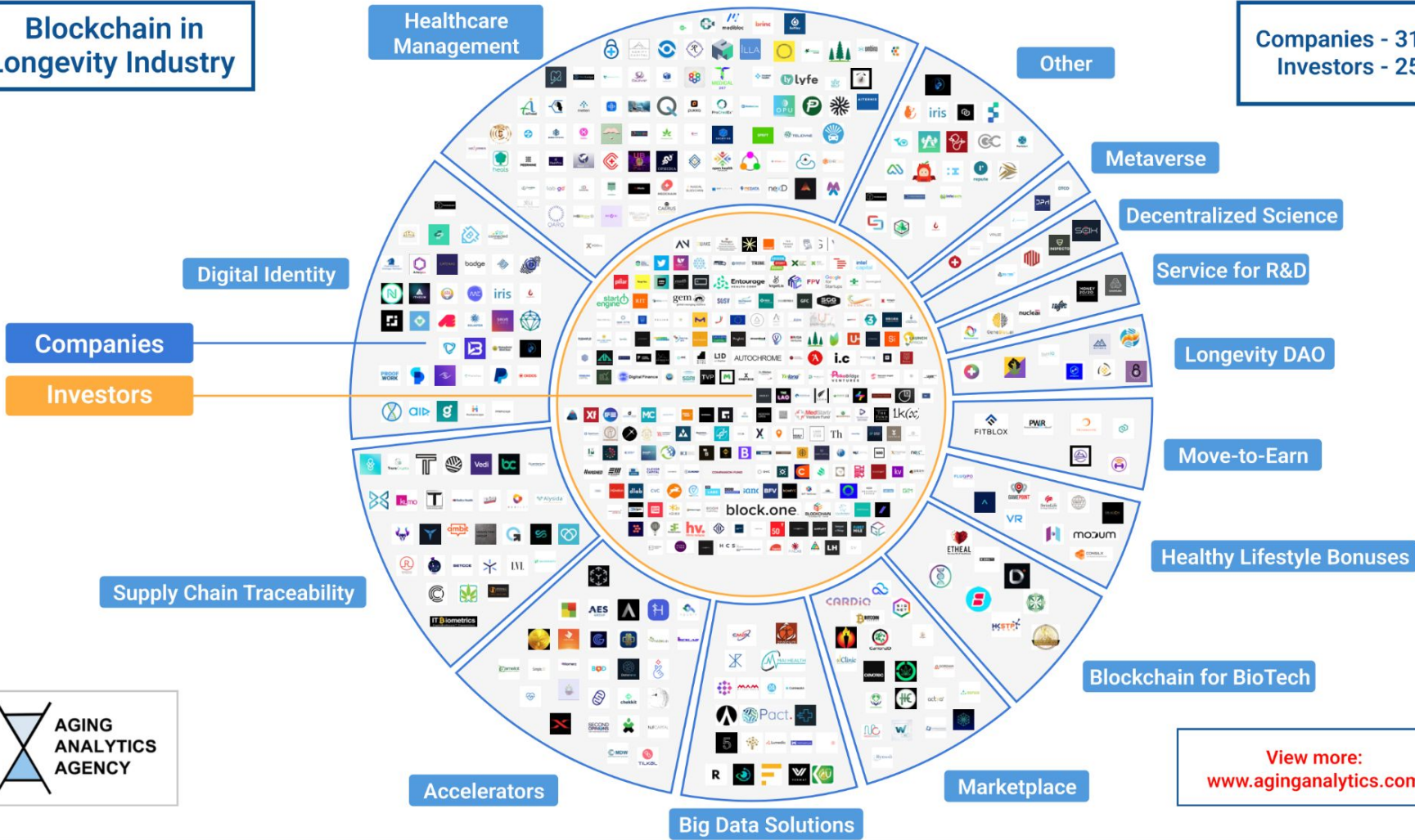
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# Blockchain in Longevity Industry

Companies - 310  
Investors - 250

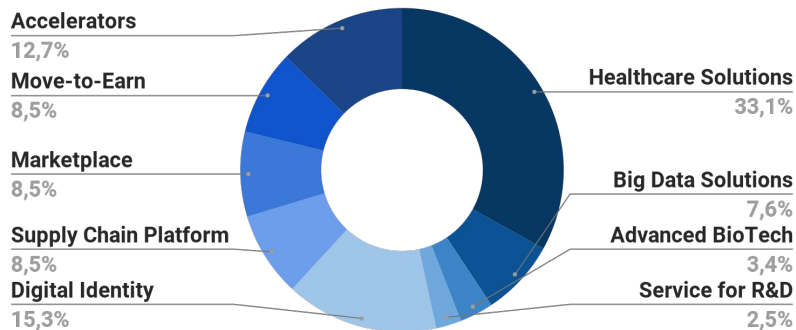


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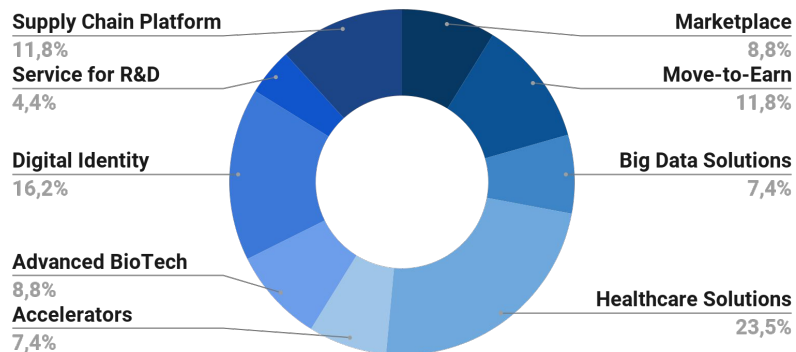


# Longevity Crypto Geographical Distribution

**America**  
146 companies



**Europe**  
78 companies



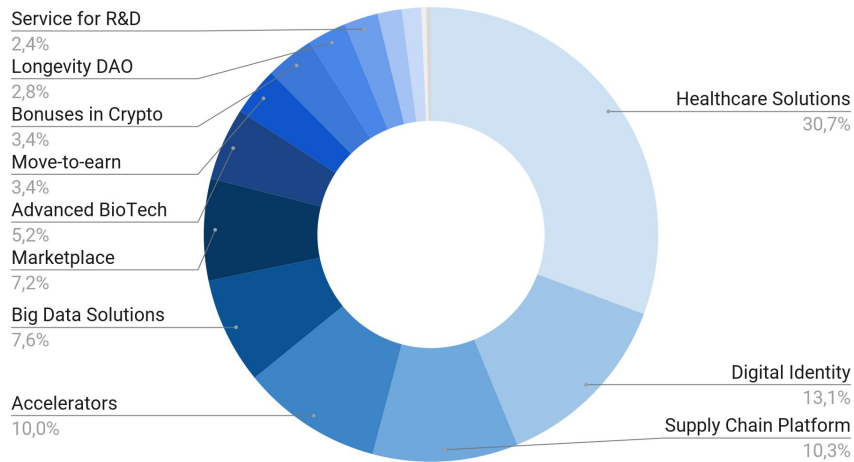
Most of the companies that apply blockchain and crypto technologies to advance the longevity industry are located in America and Europe. Less than 20% of companies in the Blockchain and Longevity industry are spread across other regions, such as Africa, the Middle East, Asia & Oceania.

In America, a third of companies use blockchain technologies to develop healthcare management solutions and platforms. There is also a growing interest in leveraging blockchain to establish Biometric Authorization Services and Digital Identity.

Similar to America, European companies are focusing on advancing healthcare with blockchain and development of digital identities. However, companies in Europe have a higher interest in establishing crypto-driven Move-to-Earn initiatives and improving supply chains.

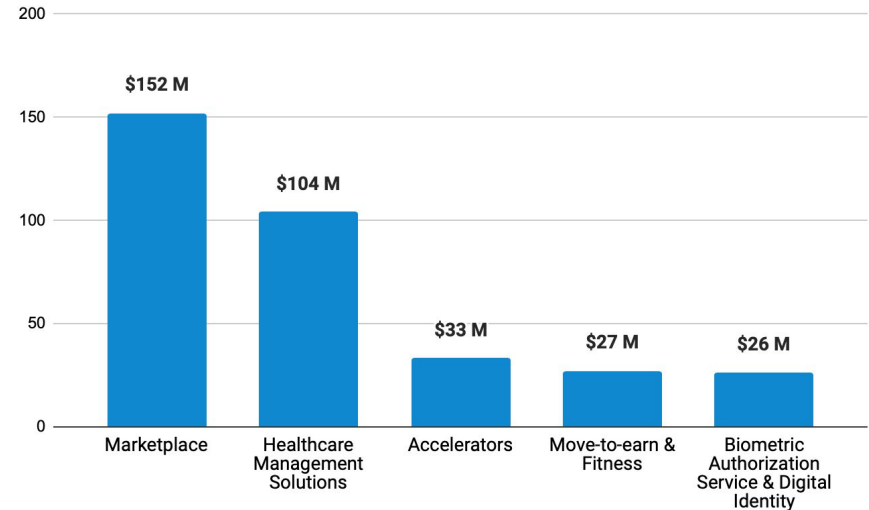
# Blockchain in Longevity Industry Overview

## Distribution of Sub Industries by Number of Companies



Companies leveraging blockchain for developing healthcare management solutions and platforms account for the largest segment among companies engaged in Blockchain in Longevity industry. A rapid growth of the number of companies is also observed in blockchain usage for more secure management and storage of digital identities and transparent, real-time supply chains. A number of sectors are adopting cryptocurrencies as a means of payment or crypto-rewards to incentivize their customers.

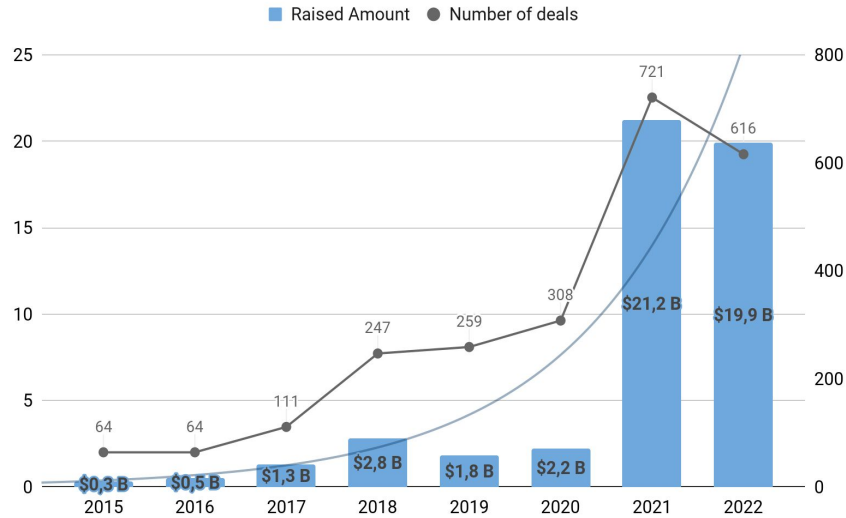
## Cumulative Funding by Sub-segment, Million USD



Blockchain-based Marketplaces and Healthcare Management Solutions have the highest total finding among all sectors. Marketplaces are rapidly building trust between sellers and buyers and drawing significant investments to the sector. Both governments and private companies are looking for efficient solutions to share patient data across global healthcare, which brings a lot of focus to blockchain-based systems that could provide necessary confidentiality and privacy in healthcare management.

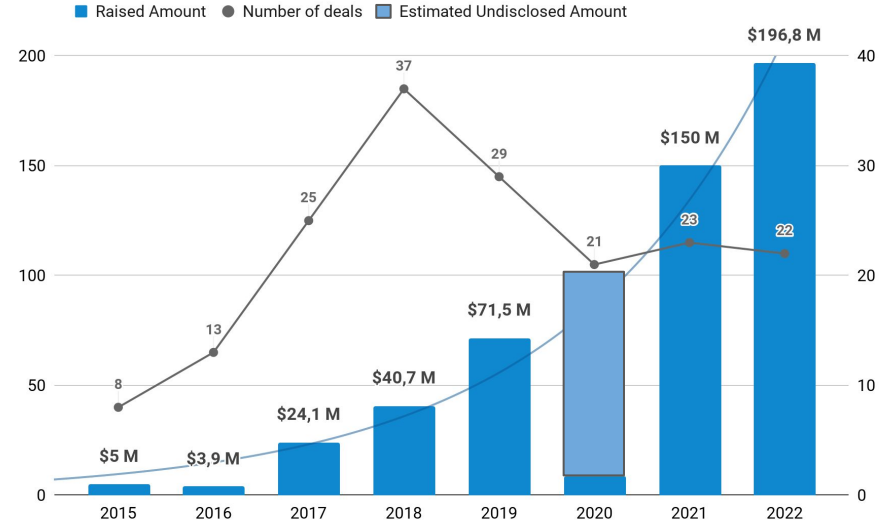
# Crypto Funding Dynamics Trends

## Total Crypto VC & PE Funding Amount by Years



The amount of capital invested in crypto technologies is trending upwards with 2021 being a breakout year in the industry, reaching \$21,2 billion in invested capital. The overall investment trend correlates with increased funding in blockchain and crypto technologies in the Longevity sector in 2021-2022, confirming an increased interest in crypto technologies across different industries in the recent years.

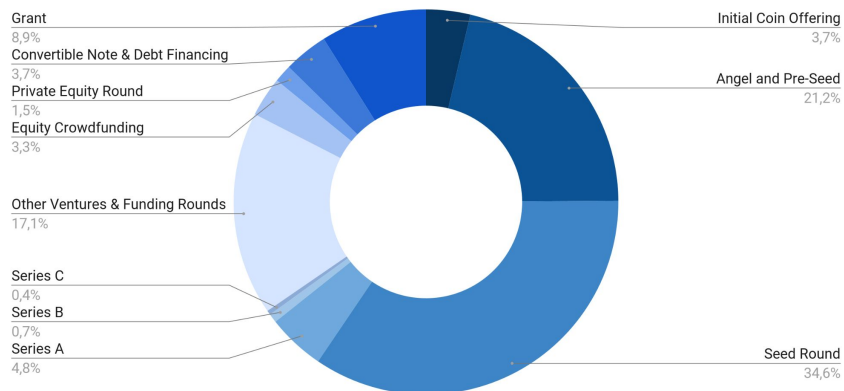
## Total Blockchain in Longevity Sector VC&PE Funding Amount by Years



The Blockchain and Crypto entities supporting Longevity funding growth are steady from year to year, with funding spikes each year. Blockchain-powered Longevity Solutions are contributing the most to the funding deals in the Longevity Industry over the years. Moreover, during the 2022 crisis, this subsegment is experiencing rapid recovery and many other ones.

# Blockchain in Longevity Industry Overview

## Funding Round Type








Companies in the Longevity Industry are primarily comprised of startups still in the early stages of their respective development processes and are currently on Pre-Seed or Seed funding rounds. Compared to other industries, Equity Crowdfunding round is much more common and an IPO alternative, ICO, is becoming notable in the Longevity Industry.

## Major Funding Deals 2021-2022

Company	Sub-segment	Round	Deal Size	Date
Naetion	Marketplace	ICO	\$150 M	11-May-2022
Brinc	Accelerators	Series B	\$30 M	14-Dec-2021
Fit&Beat	Move-to-earn & Fitness	Venture Round	\$25M	29-Sep-2022
Molecule	WEB 3.0	Seed	\$13M	15-Jun-2022
Chroniced	Blockchain Healthcare Management Solutions	Seed Round	\$8.3M	17-Feb-2022

# Crypto Tokens Support for Longevity - Top Rounds

## Major Funding Deals in Blockchain Companies supporting Longevity

Company	Company Description	Round	Date	Investors
Genobank.io 	Genobank.io is a provider of DNA kit intended to keep track of all the data sets and genome reports	Pre Seed Round	31-Oct- 2022	Expert DOJO
Fit&Beat 	Fit&Beat creates a licencing model for personal trainers based on blockchain and utilising XR technology to transform the fitness industry	\$25M Venture Round	29-Sep-2022	The Global Emerging Markets Group
PUML Better Health 	PUML Better Health gamifies sports challenges and reward users for being healthy and active. Users earn \$PUMLx and Athlete NFTs when being active in sports or in the Metaverse	\$200K Pre Seed Funding	23-Aug-2022	DWF Labs
Cardio Health 	Cardio bridges real-world exercise (Move-to-Earn) with metaverse activity & in-game play (Play-to-Earn)	\$1M Seed Round	10-Jun-2022	Smilegate Investment, Nanuhm Angels, KyungDong Invest, Crescendo Equity Partners
Encrypgen 	Encrypgen develops software for genomic data, empowering patients and donors, facilitating health, business, and science	Seed Round	1-Mar-2021	Undisclosed

# Crypto Tokens Support for Longevity – Secondary Market Overview

The utilization of smart contracts has seen a tremendous growth since Ethereum blockchain was released. Smart contracts have become more intricate, with the ability to manage digital assets and dictate crucial business operations. The potential of blockchain technology to revolutionize healthcare is vast. Through distributed ledger technology, patient medical records can be securely stored and transferred, the medicine supply chain can be monitored and managed, and healthcare researchers can transparently get access to genetic code.



AENCO's three arrangements - HealthTech, Smart Capital, and Prime Brokerage - created a system to support medical networks and investors.

The Aenco group use AEN token to help business people and developing businesses in the medical services industry to create an affordable and developing medical gadget that will be valuable to all medical networks and benefactors.

By utilizing blockchain technology, Aenco can stimulate the growth of an organic network and promote progress in the healthcare services industry. Additionally, this will increase transparency and allow tracking of improvements in the sector.



SOLVE tokens are the utility currency for the network and can be used to pay for Care Administration Network fees, establish Care Wallets, purchase Care Cards, and participate in Care Marketplace services as well as pay for associated integration fees.

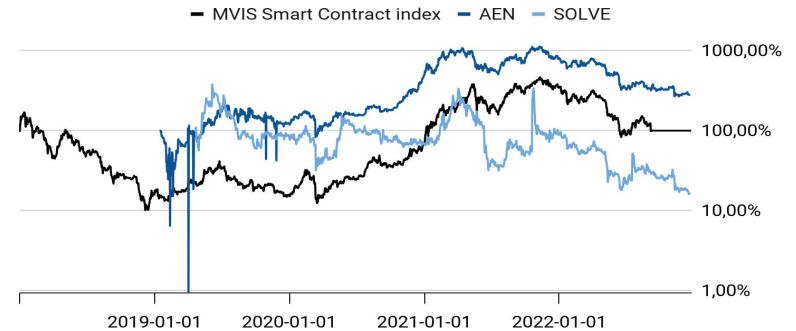
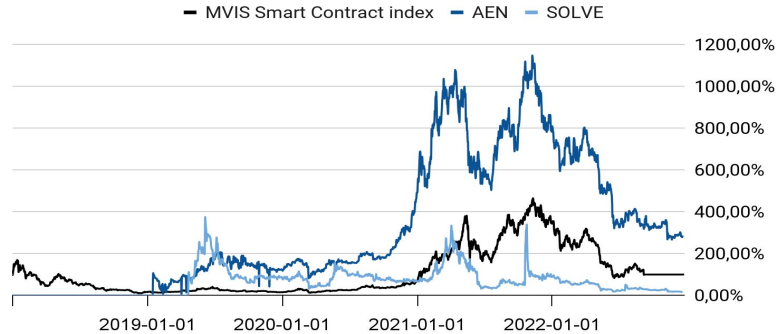
- The token supply is fixed and the price variable, as determined by market supply and demand.
- SOLVE tokens are reportedly used for the emission of Care Coins and payments requiring Care Coins.





EncrypGen is a company making a blockchain-based peer-to-peer DNA data marketplace that was founded by David Koepsell and Vanessa Gonzalez Covarrubias in 1985.

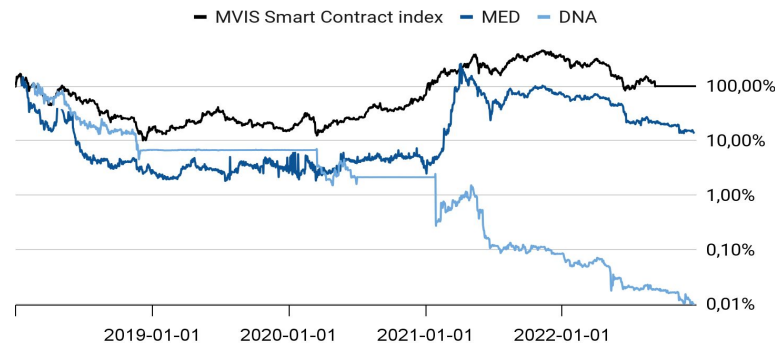
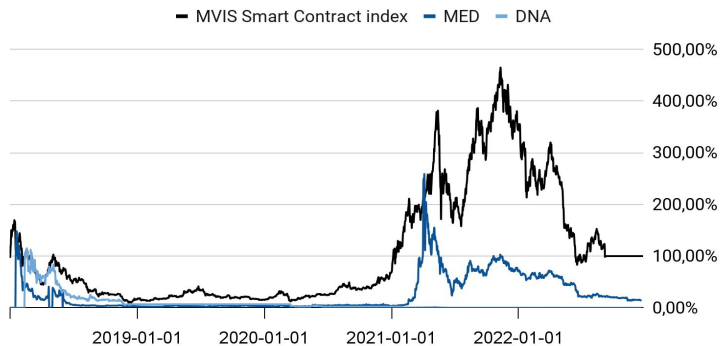
- The company offers a blockchain-based network for sharing genetic data called the Gene-Chain, and also offers other DNA related products and services.
- Gene-Chain miners are rewarded with DNA tokens, which are the medium of exchange on the Gene-Chain marketplace.



# Crypto Tokens Support for Longevity – Price History



Longevity Crypto Company Name	General Description	Token type	Secondary Market Ticker / Private	Features	Industry and Other Comments
<p>Aenco</p> 	<p>Aenco is a HealthTech Financial Solutions Platform supported by the Aenco Blockchain. It is designed to enable businesses, in particular healthcare technology sector, to customize a wide array of impactful real-life applications.</p>	<p>Ethereum ERC-223</p>	<p><b>AEN</b></p>	<p>AENCO platform consist of three supportive structures known as Prime solutions, IB solutions and Smart cap solutions.</p>	<p>Marketplace; Decentralized prime brokerage is provided for users through distributed ledger technology that will support the use of collateral based digital asset borrowing and lending; The IB solution also offers sponsorship for healthcare technology, escrow services and an engagement portal for data analytics.</p>
<p>Solve.Care</p> 	<p>Solve.Care is a healthcare platform company that uses blockchain to redefine care coordination, improves access to care, reduces benefit administration costs, and helps reduce fraud and waste in healthcare</p>	<p>Ethereum ERC-20</p>	<p><b>SOLVE</b></p>	<p>Solve.Care gives healthcare stakeholders an opportunity to build their own dApps to form Care Networks.</p>	<p>Blockchain Healthcare Management Solutions &amp; Platform; Solve.Care is unique because it not only allows networks to run independently, but to also have a fabric underneath that allows them to all communicate.</p>

# Crypto Tokens Support for Longevity – Price History



Longevity Crypto Company Name	General Description	Token type	Secondary Market Ticker / Private	Features	Industry and Other Comments
Encrypgen 	Gene-Chain Coin (DNA) is the medium of exchange for the Gene-Chain blockchain. Not all users of the Gene-Chain will mine at the same rates and some will not mine at all, so they will seek DNA on the crypto markets.	Ethereum ERC-20	<b>DNA</b>	The number of total tokens will depend on the miners involved in the private network, as well as by the genomic data that will populate the Gene-Chain.	Blockchain for Advanced BioTech & Genomic Medicine; Encrypgen using a SAFT (Simple Agreement for Future Tokens) for the exchange as the tokens are to be mined as the Gene-Chain grows. Coin can be used to store, buy and sell genetic information.
Medibloc  medibloc	MediBloc is developing a blockchain based health information platform that provides patient-centric health.	Ethereum ERC-20	<b>MED</b>	Panacea is a health information protocol, a public blockchain with independent network, where records are made and validated through nodes' validation	Blockchain Healthcare Management Solutions & Platform; The core function of Panacea is to record hash value of health information and to prove the integrity and ownership of the data through the hash value.



# Deep Knowledge Group

