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Longevity & Healthy Ageing

Technology to live longer and healthier



December 2024

Speedinvest

Pan-European early-stage venture capital firm with a dedicated Health & TechBio investment team.

Speedinvest is one of Europe's most active Seed funds with 40+ investors based in Berlin, London, Munich, Paris, and Vienna.
Our six sector-focused teams are the first to fund Europe's most innovative startups, and our in-house operational pros offer founders hands-on support throughout every stage of their journeys.
CoachHub, tide, moove and Schüttflix are among our portfolio of 300+ companies.

We believe the next decade will be transformational for health & techbio. Advances in computing, technology, and biology are compounding at a dizzying pace, yet healthcare remains one of the least digitized sectors. The case for change has never been clearer.

Fertifa · Five Lives · Charles Clinique Digitale · doccla

GENERALI

One of the largest global insurance and asset management providers.

Established in 1831, it is present in over 50 countries in the world, with a total premium income of €82 billion in 2023.

With 82,000 employees serving 70 million customers, the Group has a leading position in Europe and a growing presence in Asia and Latin America. At the heart of Generali's strategy is its Lifetime Partner commitment to customers, achieved through innovative and personalised solutions, best-in-class customer experience and its digitized global distribution capabilities.

The Group has fully embedded sustainability into all strategic choices, with the aim to create value for all stakeholders while building a fairer and more resilient society.

Remedee · Future 4 Care · ThIA Santé Mentale

dealroom.co

Global startup & venture capital intelligence platform.

Dealroom.co is the foremost data provider on startup, early-stage and growth company ecosystems in Europe and around the globe.

Founded in Amsterdam in 2013, we now work with many of the world's most prominent investors, entrepreneurs and government organizations to provide transparencDealroom.co is a global intelligence platform for discovering and tracking the most promising companies, technologies and ecosystems. Clients include many of the world's foremost organizations such as Accel, Index Ventures, McKinsey, BCG, Deloitte, Google, AWS, Microsoft, Stripe.

Dealroom partners closely with local tech ecosystem development agencies and enablers, to create a comprehensive multidimensional blueprint of the tech ecosystem, including capital, talent, innovation, entrepreneurship and overall economic dynamism.

Longevity & Healthy Ageing defined.

Healthy Ageing

Startups that develop solutions promoting physical, cognitive, and emotional well-being for older adults, incorporating longevity strategies and technologies to optimize health throughout the ageing process.

Silver Tech

Longevity

Technologies that focus on extending lifespan and enhancing the quality of life, ranging from biotech innovations to personalized health tools aimed at delaying ageing and age-related diseases.

- Drug discovery for age-related conditions
- Genetic testing
- Cell repair and regeneration
- Cellular clean-up and maintenance
- Genetic modifications

Silver Health

Startups creating tools and services that address the health needs of older adults.

- Care recruitment and management platforms
- Elderly care platforms
- Preventative health (clinics, wearables, testing etc.)
- Digital tools for age-related conditions
- Fall and emergency detection
- Senior mental health

Silver Economy

Startups that design products and services catering to the aging population, from health and wellness to financial services, housing, and lifestyle enhancements tailored to seniors' evolving needs.

- Financial wellbeing
- End of life planning
- Senior protection
- Service portals

Source: Dealroom.co

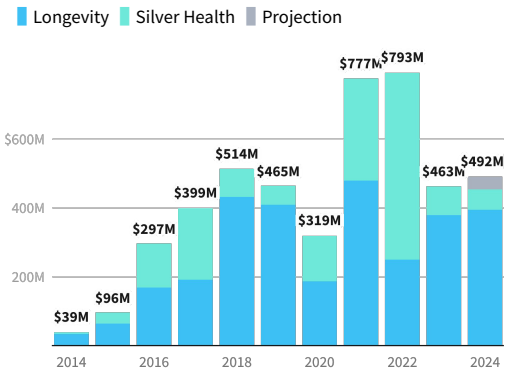
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Key takeaways

Within the Healthy Ageing sector, longevity companies have historically attracted most funding, with the exception of 2021-2022 with strong activity for Silver health.

Healthy Ageing startups develop solutions promoting physical, cognitive, and emotional well-being for older adults, incorporating longevity strategies and technologies to optimize health throughout the ageing process.

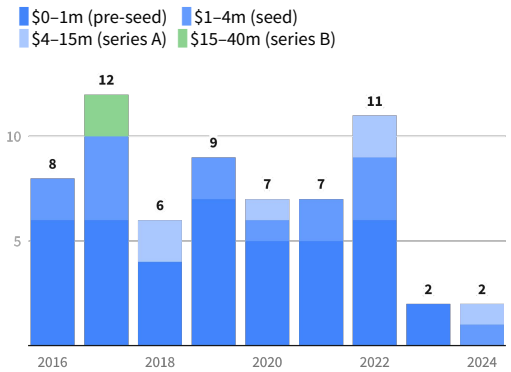
VC funding in European Healthy Ageing by segment



The ageing population is reshaping global health and economic landscapes, with older adults requiring more services to address caregiving needs, chronic diseases, and financial insecurities.

Tools for formal and informal caregivers, for seniors' mental health, end of life planning and management of age related disease improve care efficiency, independence, and well-being while easing health and economic pressures.

Number of VC rounds in Senior Mental Health startups

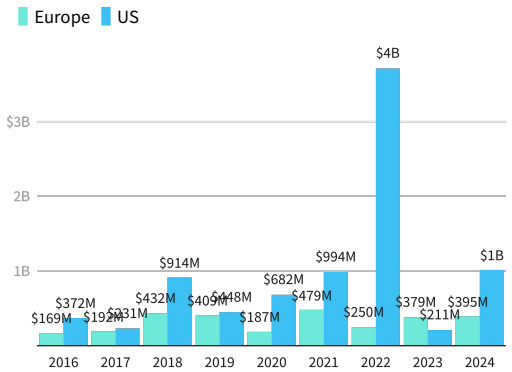


In 2024, US longevity startups have raised two times more than European ones.

While life expectancy has nearly doubled since the 1870s, it has been flattening in the last 20 years, and the proportion of healthy years has remained unchanged in the past decade.

Novel medical practices including modifying genes and cells intends to slow down aging, an example is Altos Labs which raised a record high $3B round in 2022.

VC funding in longevity startups per region



Source: Dealroom.co

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1 **Healthy Ageing**

2 VC Trends

3 Silver Health

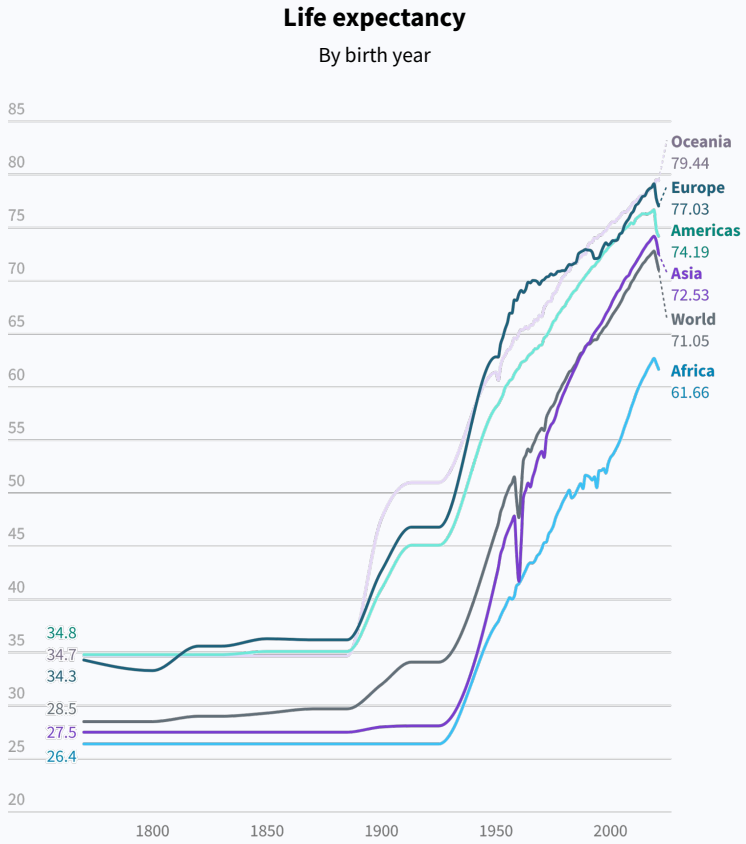
4 Silver Economy

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Life expectancy has more than doubled since the 1870s, to over 70 years, driven by tech and medical advances.

- This evolutionary-level progression, unparalleled in the rest of human history, has largely been driven by **technology.**
- Key technological developments include:
  - **Clean water and sanitation** with modern sewage systems and clean drinking water.
  - **Vaccination campaigns** that eradicated diseases like smallpox and significantly reduced polio, measles, and other infectious diseases. In the last 50 years this saved an estimated 154 million lives, the majority infants.
  - **Antibiotics and Anti-Infectives**, such as Penicillin which revolutionized the treatment of bacterial infections.
  - **Nutrition and Food Security**: advanced in agritech from fertilizers to mechanizations improved food production, reducing famine and malnutrition globally.



Source: Dealroom.co, World Health Organization, UN WPP 2022

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By 2050, people aged 55+ will represent 45% of the population, up from 28% in 2001, due to longer lifespan and lower birth rates.

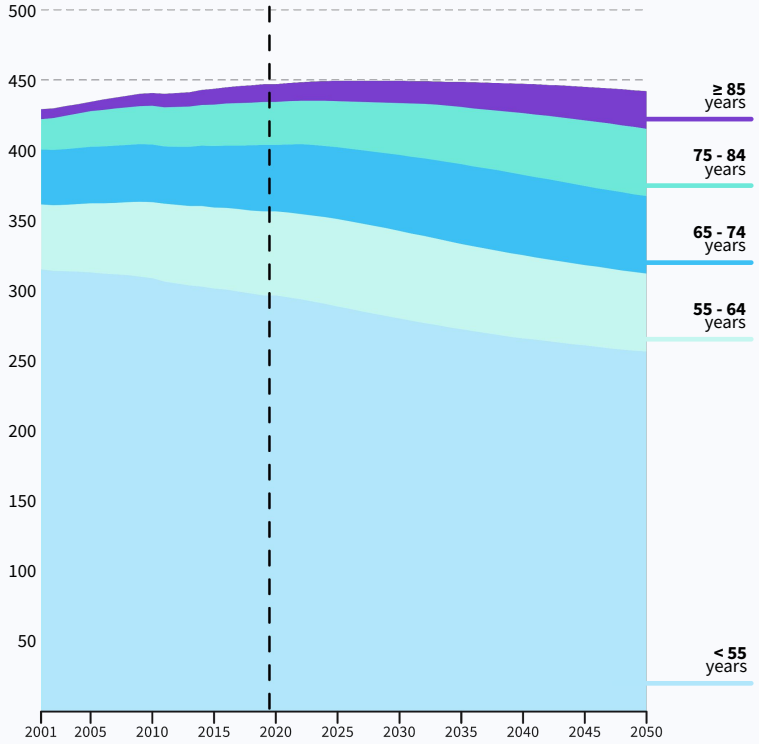
- The ageing population will **require more services** to ensure good living standards, caregiving, and management of age-related diseases.
    - This demographic shift will further exacerbate to financial and connectivity/isolation challenges and present new reality for employers.

- By 2042, **37% of Europe's workforce is projected to be aged 50 or older.**

- The economic implications include greater **pressure on public pension funds** and **social security spending**, alongside reduced overall **productivity**.

Population by age groups in the EU

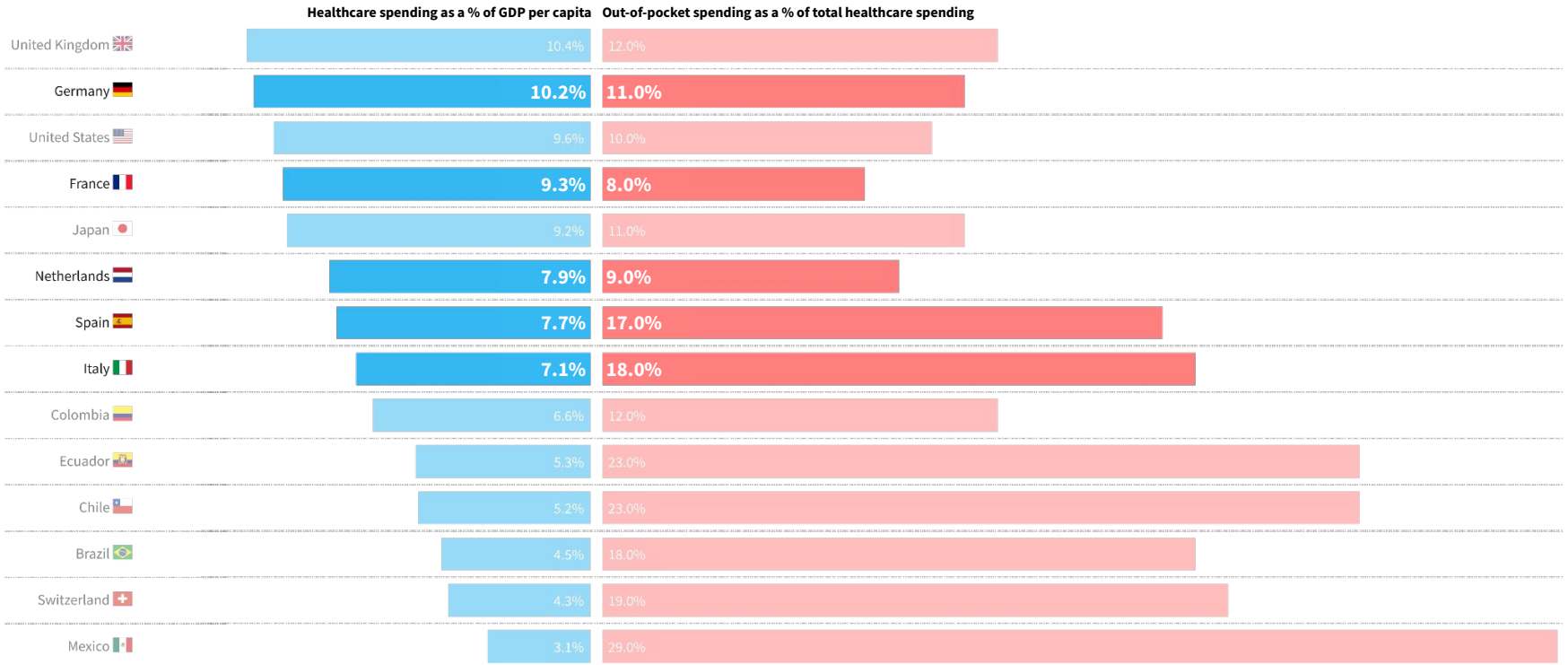
In millions, observed (2001-2019) and projected (2020-2100 data)



Source: Our world in data, UN Population Division (2022), Eurostat - EUROPOP2019 - Population projections at national level (2019-2100)

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Welfare states such as Spain and Italy have high out-of-pocket healthcare spending despite significant public expenditure, showing a struggle to meet patient needs.

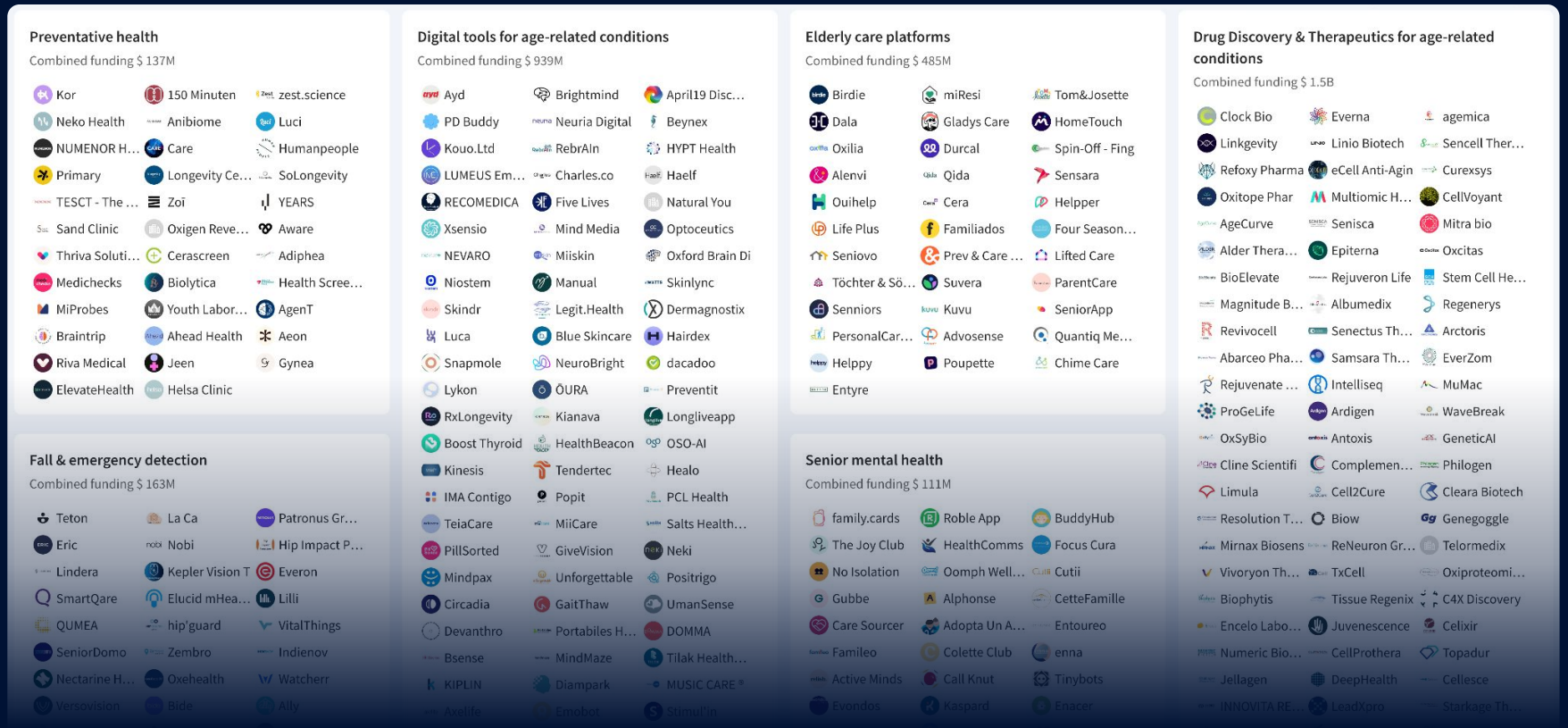


Source: Dealroom.co
Worldbank (2021)
*Welfare states are highlighted, the UK is established on a mixed-welfare model.

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380+ startups across 10 segments supporting Healthy Ageing.

» Explore the landscape



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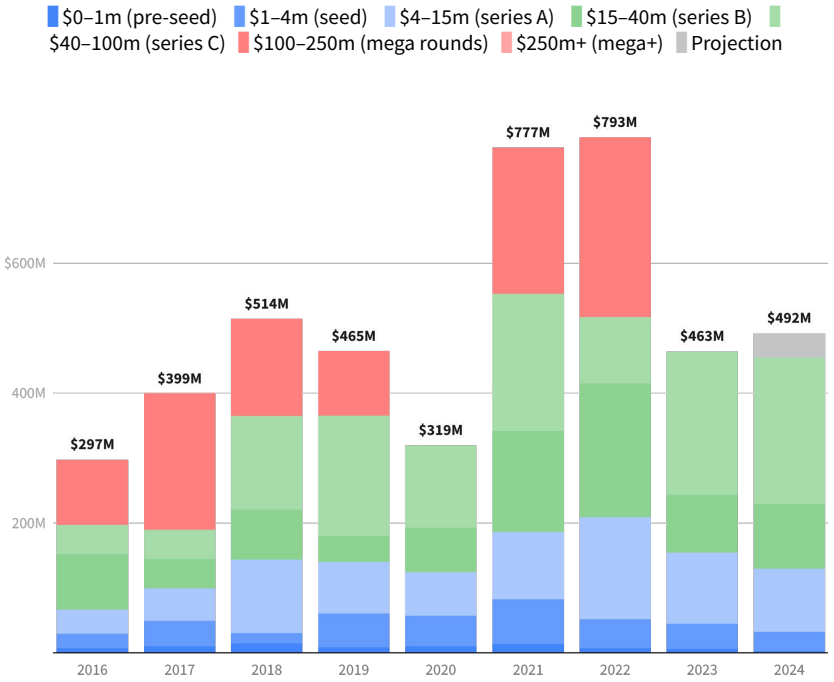
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Healthy Ageing startups in Europe already raised $460M this year, projected to surpass 2023. Late-stage funding has however been absent since 2022.

VC funding in European Healthy Ageing



Selected rounds in 2024 » **view online**

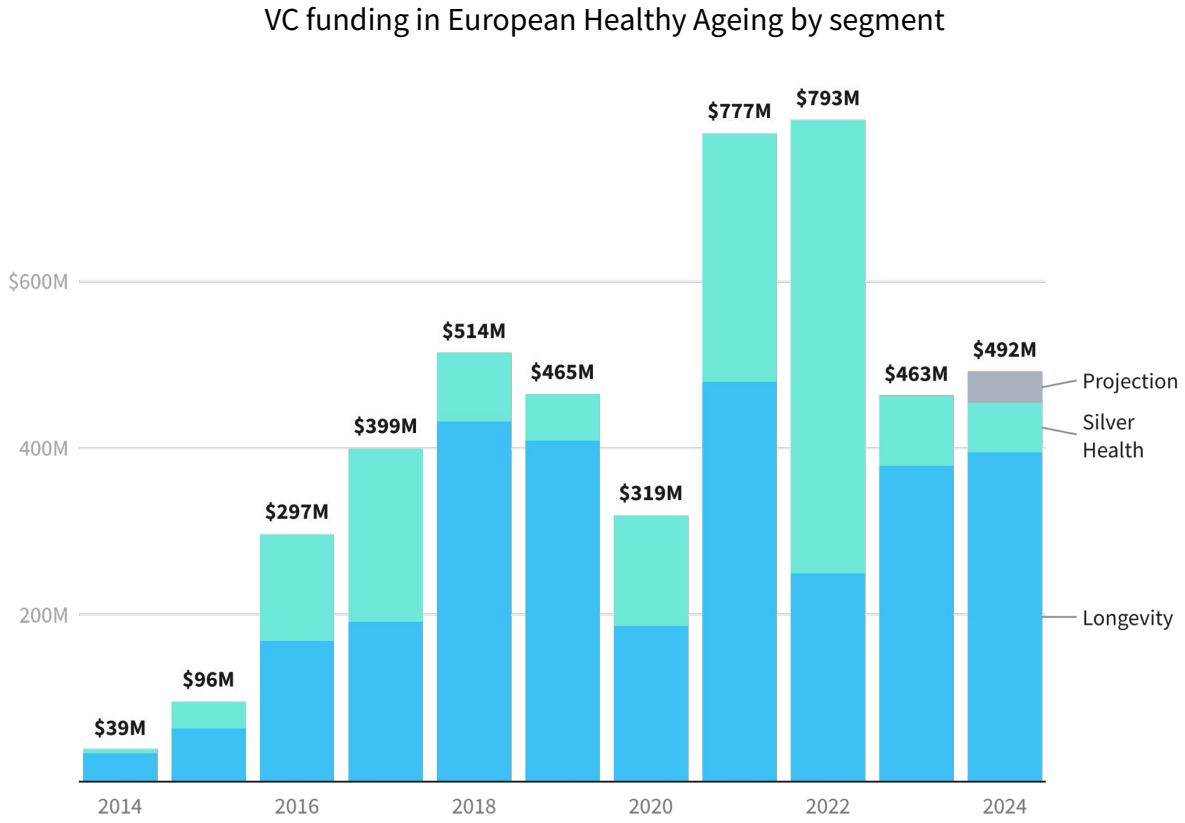
Company	Round	Segment	Sub-segment
Resolution Therapeutics	£63.5M Series B	Biotech x longevity	Cell repair and regeneration
ŌURA	$75.0m Series D	Digital health x longevity	Digital tools for age-related conditions
time—line	$66.0m Series D	Biotech x longevity	Nutrition and supplements
MANUAL	£29.2m Early VC	Digital health x silver health	Digital tools for age-related conditions
Shift bioscience	$16.0m Seed	Biotech x longevity	Genetic testing and therapeutics

Source: Dealroom.co
Data as of Nov 25th 2024.

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Longevity has historically attracted most funding, with the exception of 2021-2022 with strong activity for Silver health.

As a segment, Healthy Ageing has grown more than ten fold in the past decade.

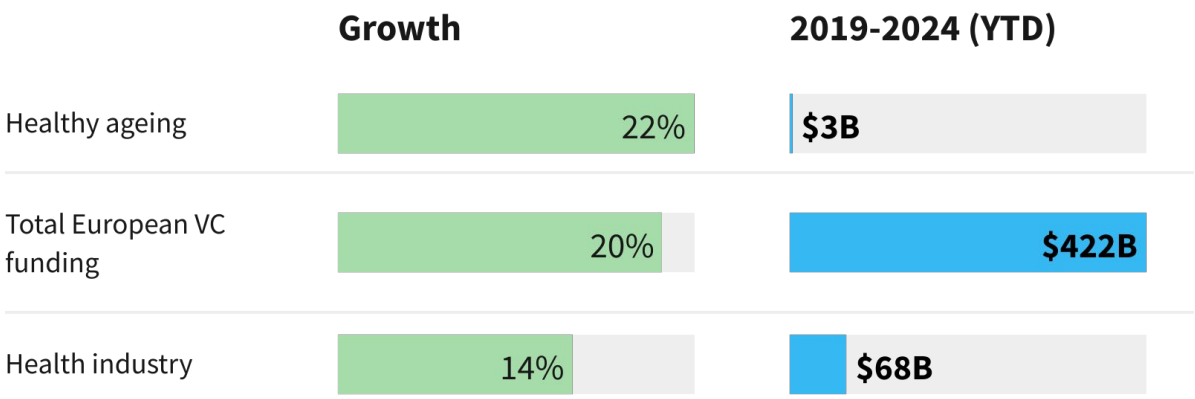


Source: Dealroom.co
Data as of Nov 25th 2024.

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Healthy Ageing has grown faster than overall VC funding and the rest of Healthtech in the last five years.

Growth and VC funding Healthy Ageing vs Health and total European funding since 2019



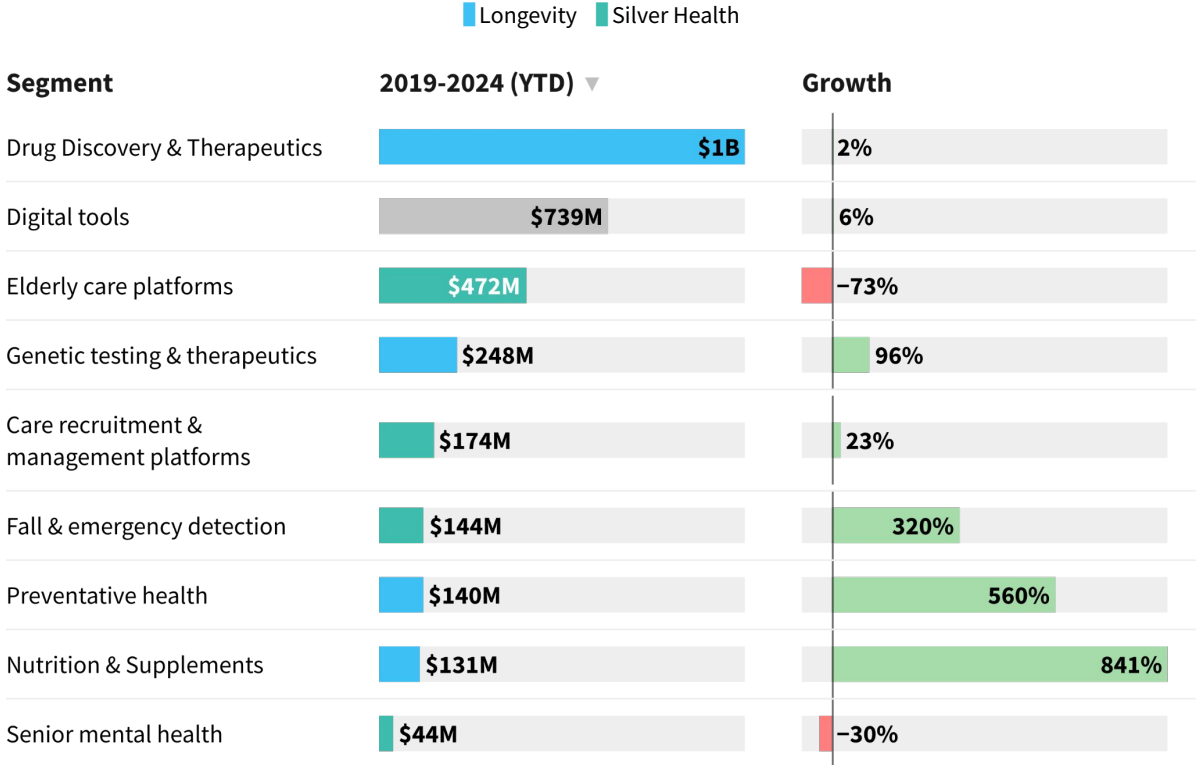
Source: Dealroom.co.- Data as of Nov 29th 2024.
Growth computed comparing funding for 2019-20 with 2023 and projected 2024 value.

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Drug discovery & Therapeutics for age-related diseases is by far the most funded segment.

Nutrition & Supplements, Preventative health and Fall & emergency detection show the strongest growth.

Top European Healthy Ageing segments by VC funding and growth



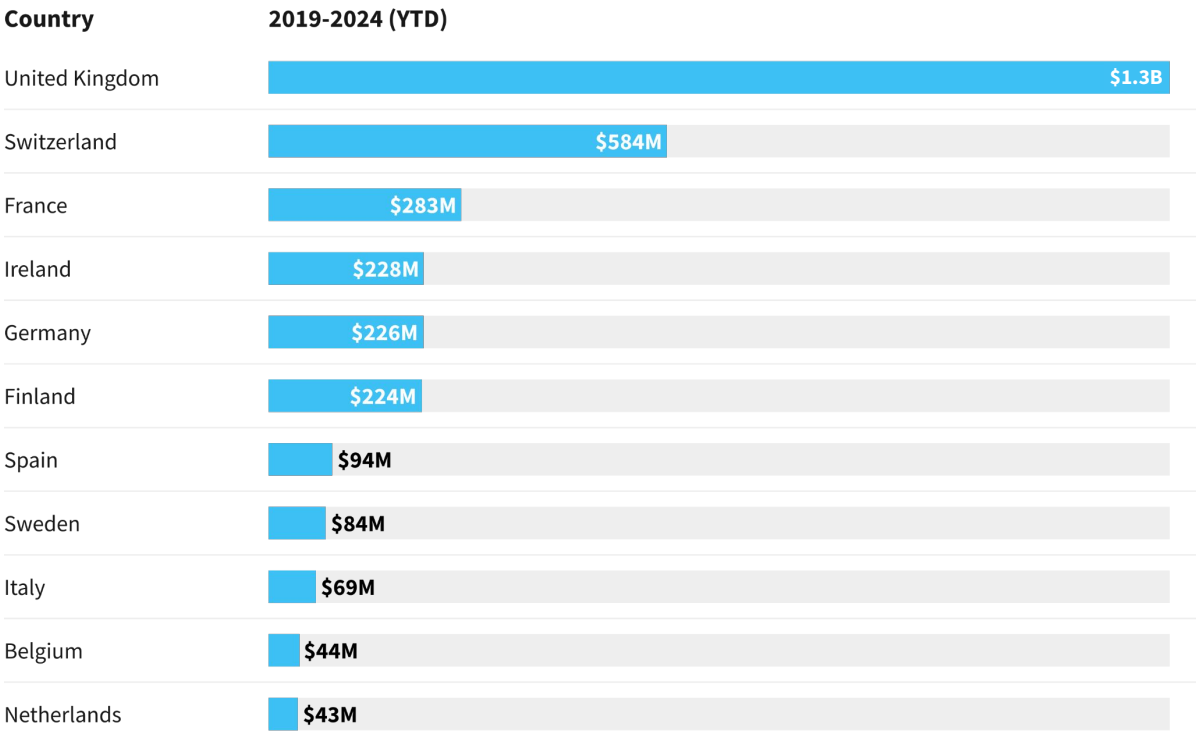
Source: Dealroom.co - Data as of Nov 29th 2024.
Growth computed comparing funding for 2019-20 with 2023 and projected 2024 value.
*There are both longevity and silver health digital tools in our mapping.

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UK Healthy Ageing startups have raised more than the next 4 ranked European Countries.

Switzerland has seen the second strongest activity, more than double that of France, Ireland, Germany.

Top European countries by VC funding allocated to Healthy Ageing since 2019



Source: Dealroom.co.
Data as of Nov 29th 2024.

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Top investors in European Longevity & Silver Health

Longevity Tech

Investor name	Investor HQ	Number of rounds in Longevity
Longevitytech.fund	Czechia	8
Syncona	United Kingdom	8
Ahren Innovation Capital	United Kingdom	7
Apollo Health Ventures	Germany	6
Bpifrance	France	6
EIC Fund	Belgium	6
FJ Labs	United States	5
Forbion Capital Partners	Netherlands	5
Lifeline Ventures	Finland	5
Parkwalk Advisors	United Kingdom	5
Seventure Partners	France	5
Verve Ventures	Switzerland	5
Cherry Ventures	Germany	4
F-Prime	United States	4
Maximon	Switzerland	4
New Science Ventures	United States	4
Northstar Ventures	United Kingdom	4
SV Health Investors	United Kingdom	4
Temasek	Singapore	4
24Haymarket	United Kingdom	3

Silver Health

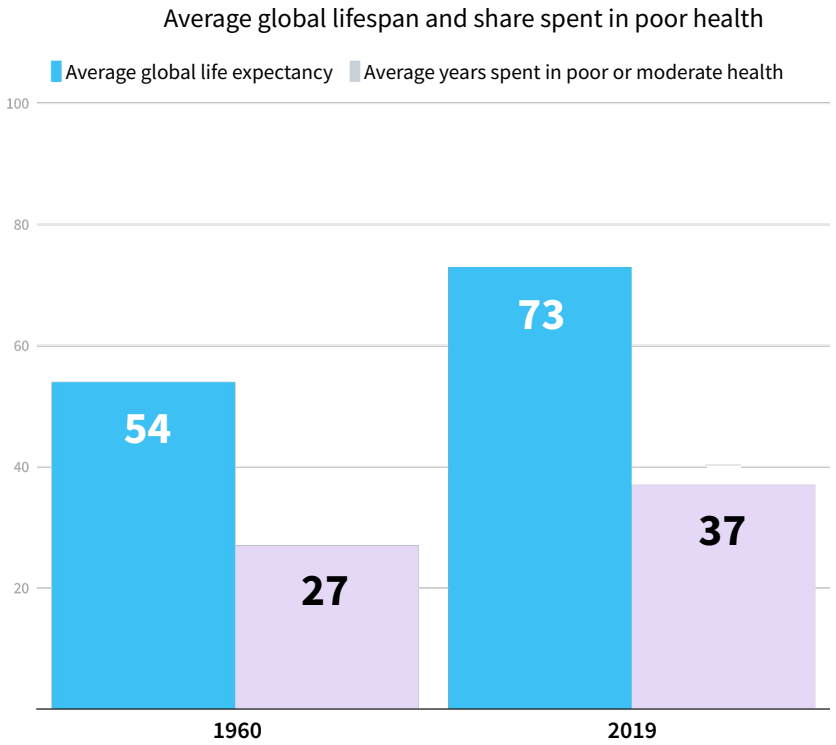
Investor name	Investor HQ	Number of rounds in Silver Health
Atresmedia	Spain	5
Partech	France	5
Ship2B Foundation	Spain	5
Speedinvest	Austria	4
Ascension	United Kingdom	4
Atlantic Labs	Germany	4
Cavalry Ventures	Germany	4
IBB Ventures	Germany	4
Mangrove Capital Partners	Luxembourg	4
Mercia Asset Management	United Kingdom	4
PT1	Germany	4
Rheingau Founders	Germany	4
UVC Partners	Germany	4
Yabeo Capital	Germany	4
Antler	Singapore	3
Bpifrance	France	3
Noaber/NextGen Ventures	Netherlands	3
Heartcore Capital	Denmark	3
Inderhabs Investments	Spain	3
IP Group	United Kingdom	3

Source: Dealroom.co. Data as of November 2024.
The most active investors have been selected according to the number of rounds in which they invested into companies highlighted in our Healthy ageing landscape; Excluding Debt, Grants and rounds from Support programs. The list excludes accelerators. Pre-Seed: $0-$4M; Early-Stage: $4-$100M; Late-Stage: $100M+

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While life expectancy is rising, time spent in poor health has increased by a decade and remains proportionally unchanged, partly due to chronic diseases.



- **Common chronic or non-communicable diseases (NDCs)** in older adults include **Alzheimer's**, **Parkinson's**, other **neurodegenerative** diseases, rheumatoid arthritis, **cardiovascular** diseases, macular degeneration, chronic **respiratory** diseases, cancer, and **diabetes**.
- **37%** of Europeans aged **65 and over have multiple chronic conditions.**
- Chronic diseases account for **9 out of 10 deaths in the EU**, and account for an estimated **€700B yearly**, up to **80% of all healthcare spending** in the EU. Cardiovascular disease and cancers alone account for almost two thirds of deaths in the EU.

Source: Dealroom.co, National Library of Medicine, McKinsey, Our World in data, Efpia



Gilles Litman
Co-founder, Deputy CEO &
Chief Business Officer of
Remedee Labs

Remedee™

"Chronic pain is highly prevalent among older adults where it is associated with significant suffering, disability, social isolation, and greater costs and burden to health care systems.

Chronic pain is also a risk factor for premature death and accelerated cognitive decline. Unfortunately, over half of chronic pain sufferers find no relief from current treatments, primarily pharmaceuticals with side effects that worsen with age. This significantly impacts their quality of life, causing sleep disorders, anxiety, depression, and social isolation.

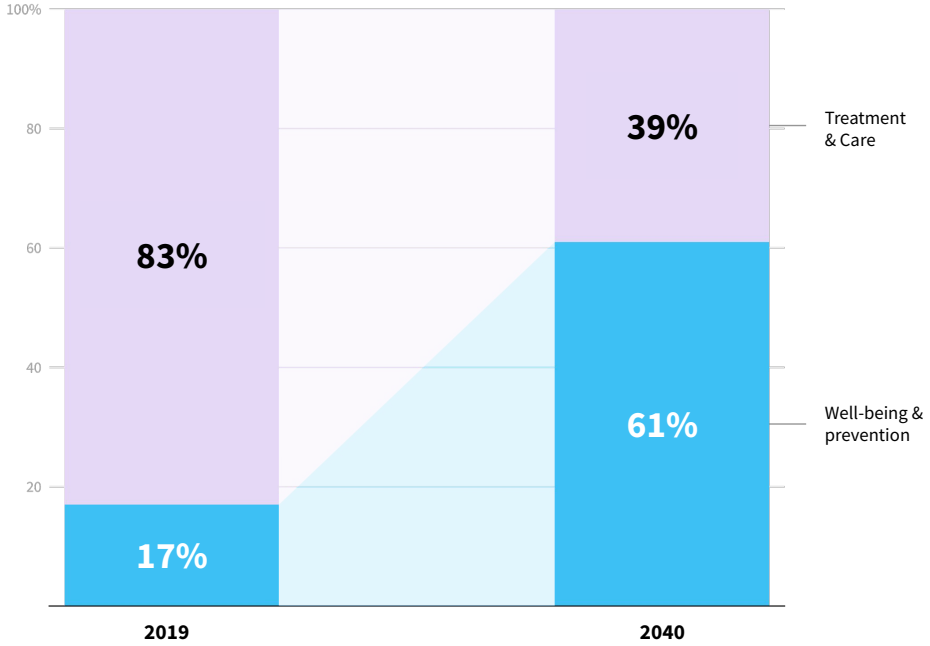
Remedee Labs offers an innovative solution to improve the lives of chronic pain sufferers, especially older adults. It combines the first personal endorphin stimulator using millimeter wave therapy with a digital platform, data integration, and personalized coaching. The device is simple and user-friendly, making it ideal for older individuals.

Remedee has achieved positive clinical results and CE Medical Marking (class IIa) approval for relieving osteoarthritis (OA) symptoms, a condition affecting 500 million people globally, 73% of whom are aged 55 and older. This solution can enhance quality of life and promote healthier aging.

As a strategic partner of Generali, Remedee Labs aims to make its solution accessible to patients worldwide."

Addressing chronic disease through preventive care, early intervention, and better management is key to controlling healthcare costs in Europe.

Projected spending shift from treatment to prevention*



Preventive health startups in Europe » **view online**

Preventative health

Combined funding $ 162M

Kor	150 Minuten	zest.science
Neko Health	Anibiome	Luci
NUMENOR HEAL…	Care	Humanpeople
Primary	Longevity Cente	SoLongevity
TESCT - The Tra	Zoï	YEARS
Sand Clinic	Oxigen Reverse	Aware
Thriva Solution	Cerascreen	Adiphea
Medichecks	Biolytica	Health Screenin
MiProbes	Youth Laborator	AgenT
Braintrip	Ahead Health	Aeon
Riva Medical	Jeen	Gynea
ElevateHealth	Helsa	Bloom Diagnosti

Source: Dealroom.co, *Deloitte
For more information, refer to the State of Global Insurtech report.

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Sylvain Piquet
Co-Founder of Five Lives

Five Lives

“Preventative health applied to ageing is probably the most important and yet underfunded area of Healthcare today.

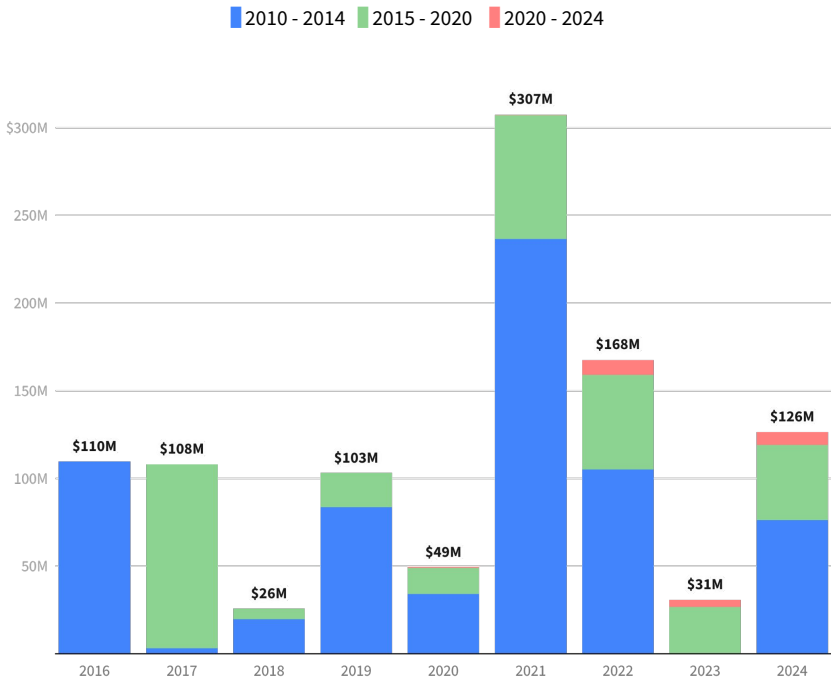
A person aged over 75 consumes 25 times more healthcare resources than someone below 65 in France. Chronic conditions prevalence increases exponentially with age so our already strained healthcare systems require a massive shift of focus from treatment towards primary and secondary prevention to sustain the population ageing burden. Long term partnership between Tech, Insurance and Public health is key.

Whilst the promise to live healthily for 100+ years drives a lot of investment in elite longevity tech, more investment needs to go towards cost-effective and scalable digital Silver Health innovations, both from a solution standpoint but also from Health & Life insurers and healthcare systems to help sponsor, roll-out, educate and train people to use an increasing number of great technologies and tools. AI driven program personalisation, gamification and innovations in behaviour change applied to lifestyle will help drive massive adoption by the new generation of tech savvy Boomers.

Five Lives is happy to count Generali as one of its Partners to foster healthy ageing.”

Similar to the broader digital health funding trend, funding for digital tools targeting age-related conditions peaked in 2021 and has declined since.

VC Funding in digital tools for age-related conditions per launch year cohorts



Select rounds in digital tools for age related conditions **» view online**

Company	Round	Date	Application
mindmaze	$125m Late VC	Oct 2021	Neurorehabilitation
ŌURA	$100m Series C	May 2021	Metabolism
CIRCADIA	$100m Convertible	Jun 2017	Sleep
MANUAL	£29.2m Early VC	Sep 2024	Hair loss
gaitq	£1.5m Seed	Sep 2020	Parkinson's

Source: Dealroom.co
Data as of Nov 29th 2024.

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By 2050, the EU is projected to have 38.1 million people in need of care, with demand already exceeding the capacity of care workers and facilities.

80%

Of long-term care in Europe is **provided by non-professional carers** (family members, neighbors, volunteers etc.) due to the high-cost of care.

78M

Non-professional caregivers, that's **19x the number of professionals.**

72B hours

Of care provided annually by non-professional carers, it is **valued at €576B** (3.63% of Europe's GDP).

Example of startups offering platforms and tools to:

Florence
lottie
pflege.de

Improve nursing homes operations and helping families find the right accommodation

kenbi
cuideo
cuidum
LA ALTERNATIVA A LAS RESIDENCIAS

Provide professional at-home care

elder
marta

Connecting families with trusted self-employed caregivers

mobilise
Together we care and thrive
careship
cubigo

Enabling community services

» view all online

Tech tools can **reduce inefficiencies and save time** for professional caregivers and structure and empower non-professionals to deliver **higher-quality care**. However, as a segment, they have only raised **$220M in VC funding.**

Source: Dealroom.co *Caritas: Europe's care systems at risk, European Economic and Social Committee: Caregivers

Despite rising isolation among elders and the wider population, solutions for loneliness see fewer rounds of funding.

18%

of adults in Europe report being **socially isolated** (roughly 75 million people).

9% points more likely

not to engage often in social activities (in adults aged 65 and over, compared to the 26-45-year age group).

15 Cigarettes per day

Is what the **effects of loneliness on our bodies compares to**. Loneliness can increase the **risk of depression, cardiovascular diseases, and cognitive impairment.**

Applications:

colette family.cards

Connecting to others and younger generations

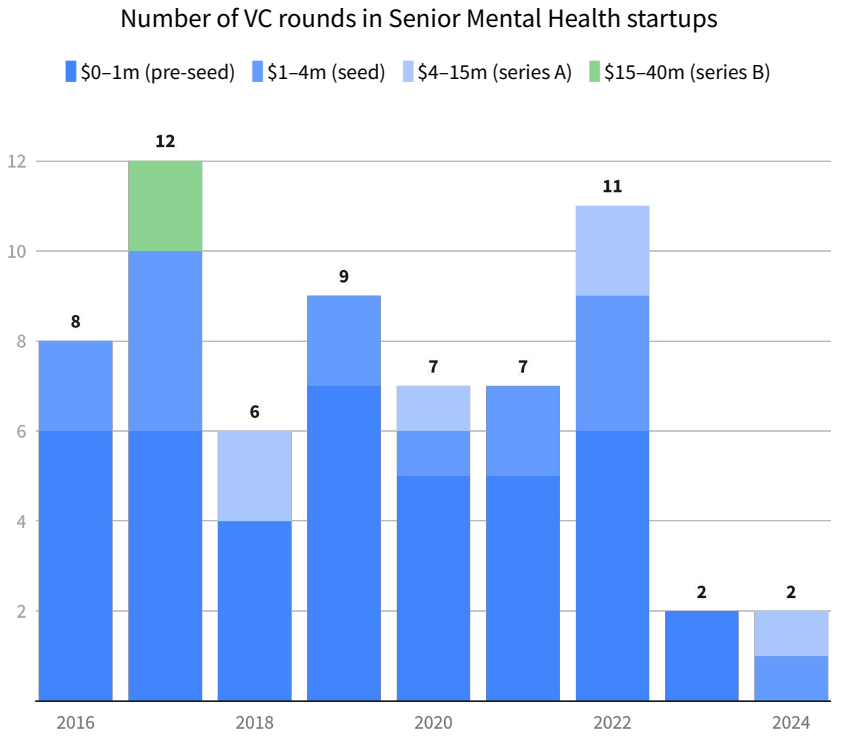
ROBLE NEOSILVER

Digital content (exercise, entertainment etc.)

No Isolation navel robotics

Companion robots

» view 30+ Senior Mental Health startups



Source: Dealroom.co, European commission, Brussels Times
Data as of Nov 29th 2024.

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Alix Gard
Co-Founder of Poupette

poupette

“Aging well is not just about extending life, but about enriching it for everyone.

At Poupette, we are reimagining how families and seniors navigate care, driven by a mission to make aging well accessible to all. Through innovation of service, we deliver personalized, accessible, and human-centered solutions that improve later life and re-enchant old age.

By harnessing cutting-edge technology and pairing it with empathy, we simplify the complexities of elder care while prioritizing quality and trust. Our goal is to empower families with confidence and clarity, offering solutions that truly make a difference in the lives of their loved ones.”

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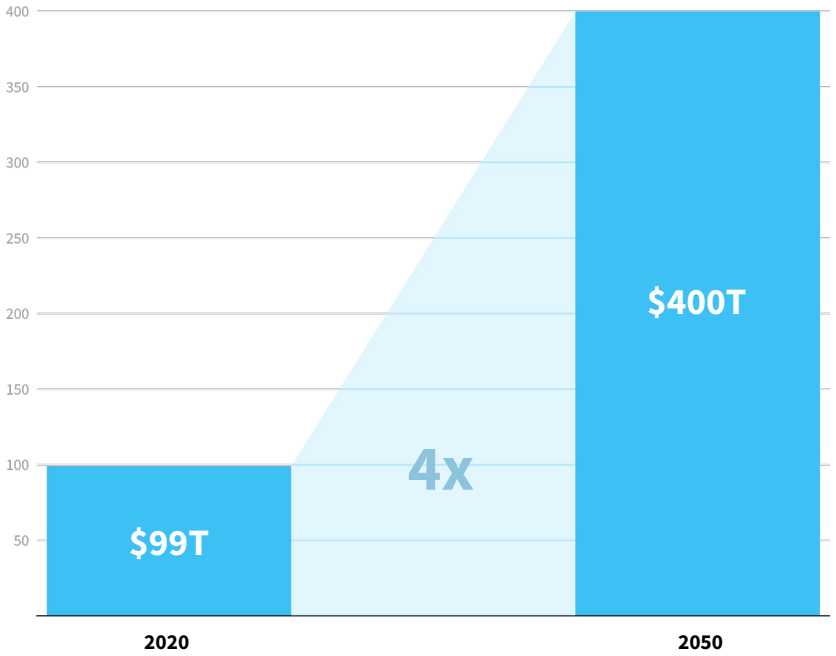
4 Silver Economy

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As the global population ages, the retirement protection gap (shortfall between needed and actual retirement income) is growing massively. The top need in post-retirement is to maintain current standard of living.

Retirement protection gap



Key post-retirement age-well needs*

Key Post-Retirement Age-Well Needs		Expectations from Insurers for Aging Well	
Maintain current standard of living	74%	Long-term care	60%
Fund travel and leisure activities	56%	Affordable premium	58%
Funding healthcare expenses	47%	Better customer support services	52%
Facilitate the inter-generational transfer of wealth	41%		

Source: 1) WEF 2) Capgemini – The Aging Well Opportunity, 2023

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The adoption of savings and life insurance products needs to increase to ensure quality of life in post-retirement.

Only 45%

of Europeans are **financially confident in their retirement**, and most EU citizens **fully depend on statutory pensions** for their future retirement income.

3x

higher saving rate by Europeans in respect to Americans (13% vs 4%). But Europeans tend **not to invest these savings in the capital market.**

Only 19%

own a personal pension product. Citizens with a supplementary feel more financially confident in their retirement.

60%

of 65+ consumers have **yet to look for professional advice** to prepare for retirement and wealth transfer in 2023.

Example of startups helping the adoption of savings and life insurance products:

B2B financial advisory software for savings, pension and life insurance

B2C savings, pension, and life insurance platforms

Employee benefits and corporate pension

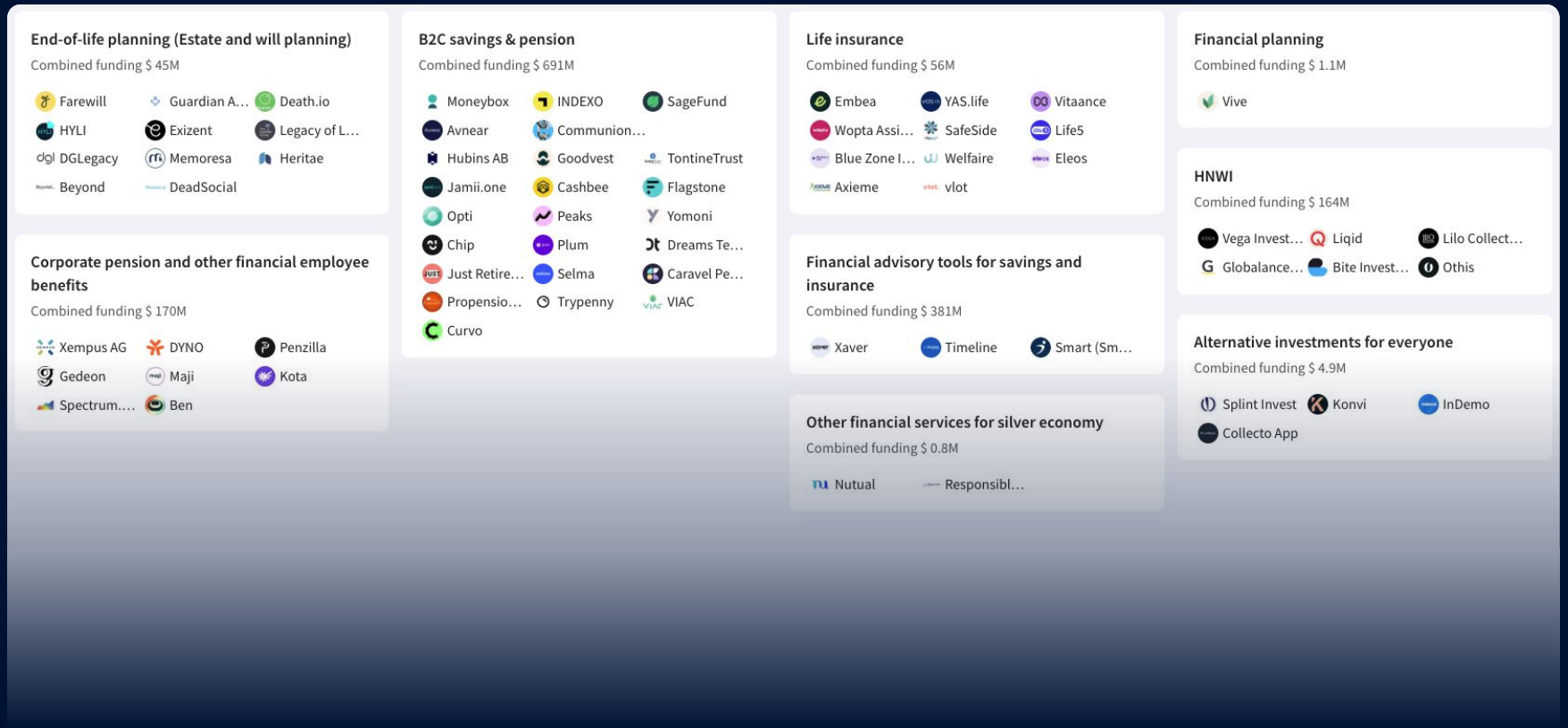
End-of-life planning (Estate and will planning)

» view all online

Source: Dealroom.co EIOPA, Capgemini

70+ startups offering financial services for silver economy in Europe

» Explore the landscape





Filippo Maria Stefania
Group Open Innovation & VC Manager
GENERALI

"Healthy Ageing sits at the crossroads of a broader set of socio-economic factors interacting with one another, including: healthcare, social isolation, caregivers and financial planning.

We are amid history's largest intergenerational wealth transfer, impacting industries across the board. For insurance, this shift will directly affect approximately 40% of the largest life insurers' AuM (around $7.8 trillion). These assets, held by policyholders aged 65+, are set to transfer to younger beneficiaries by 2040.

This trend is already in act, and it imposes insurers to face two axes of development:

1. Develop comprehensive ageing-well solutions for 65+ customers, focusing on health and financial support.
2. Build trust to become the preferred partner for financial planning and ageing-well needs, while actively engaging younger beneficiaries.

By tackling these areas, insurers can strengthen relationships with both elderly and younger customers, mitigating potential asset outflows. Following our "Lifetime Partner" model, as Generali we strongly believe that success will hinge on offering flexible, personalized solutions that lower adoption barriers and enhance customer experience (CX) through technology-driven, value-added services.

These services - spanning wellness, telemedicine, taxation, estate planning, and quality-of-life support - will be essential. Partnering with startups can help insurers quickly seize these opportunities and accelerate time-to-market."

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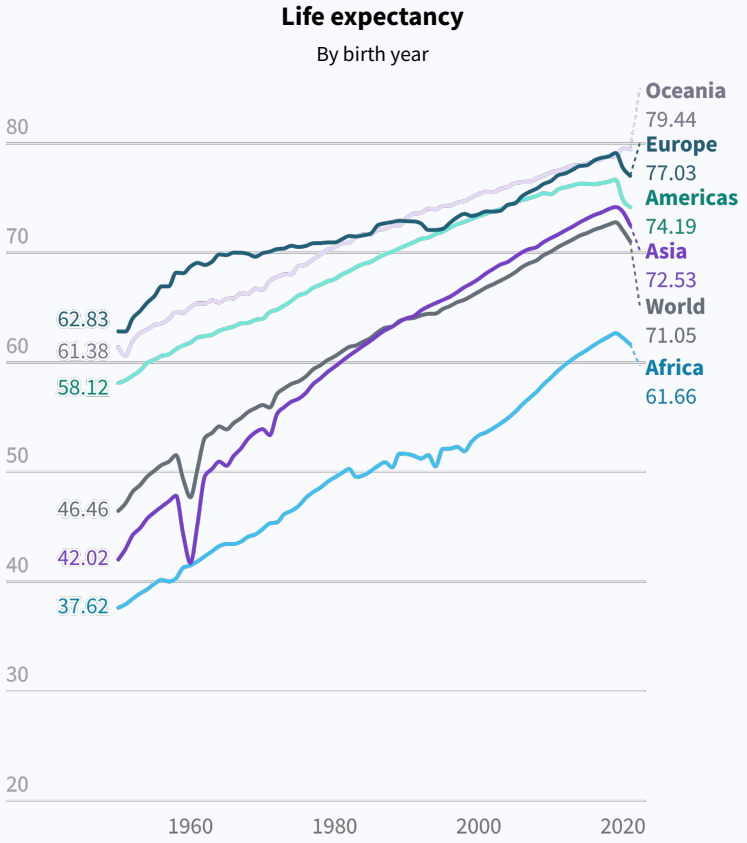
4 Silver Economy

5 Longevity

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Life expectancy has been flattening in the past 20 years. The race is now on for a breakthrough to add more healthy years of healthy living.

- Biotech developments, in part funded by Silicon Valley billionaires, are aiming to cure ageing-related diseases, while on the premise of **slowing down ageing**, scientists believe **it could it be stopped and reversed one day**.
- **The FDA has signaled its recognition of longevity medicine's potential** and the possibility of addressing age-related factors as treatable conditions.
- LBS, Oxford, and Harvard suggested that extending just one healthy year of life is worth $38 trillion to the global economy and **extending healthy life by 10 years could net greater than $300 trillion.**



Source: Dealroom.co, The economic value of targeting aging

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What are the different approaches for slowing down or reversing ageing that are getting funded?

Cell repair & regeneration

Restores or replaces damaged cells and tissues to keep the body functioning optimally.

$1B

Combined funding

Genetic & epigenetic modifications

Alters genes or their expressions to slow down or reverse ageing process.

$690M

Combined funding

Immunity & inflammation

Boosts immune system function and reduce chronic inflammation, which declines with age.

$100M

Combined funding

Cellular clean-up

Improves the body's ability to remove damaged cells and proteins.

$120M

Combined funding

Metabolism & dietary

Enhances cellular energy production, which declines with age. Lifestyle changes can boost overall health.

$12M

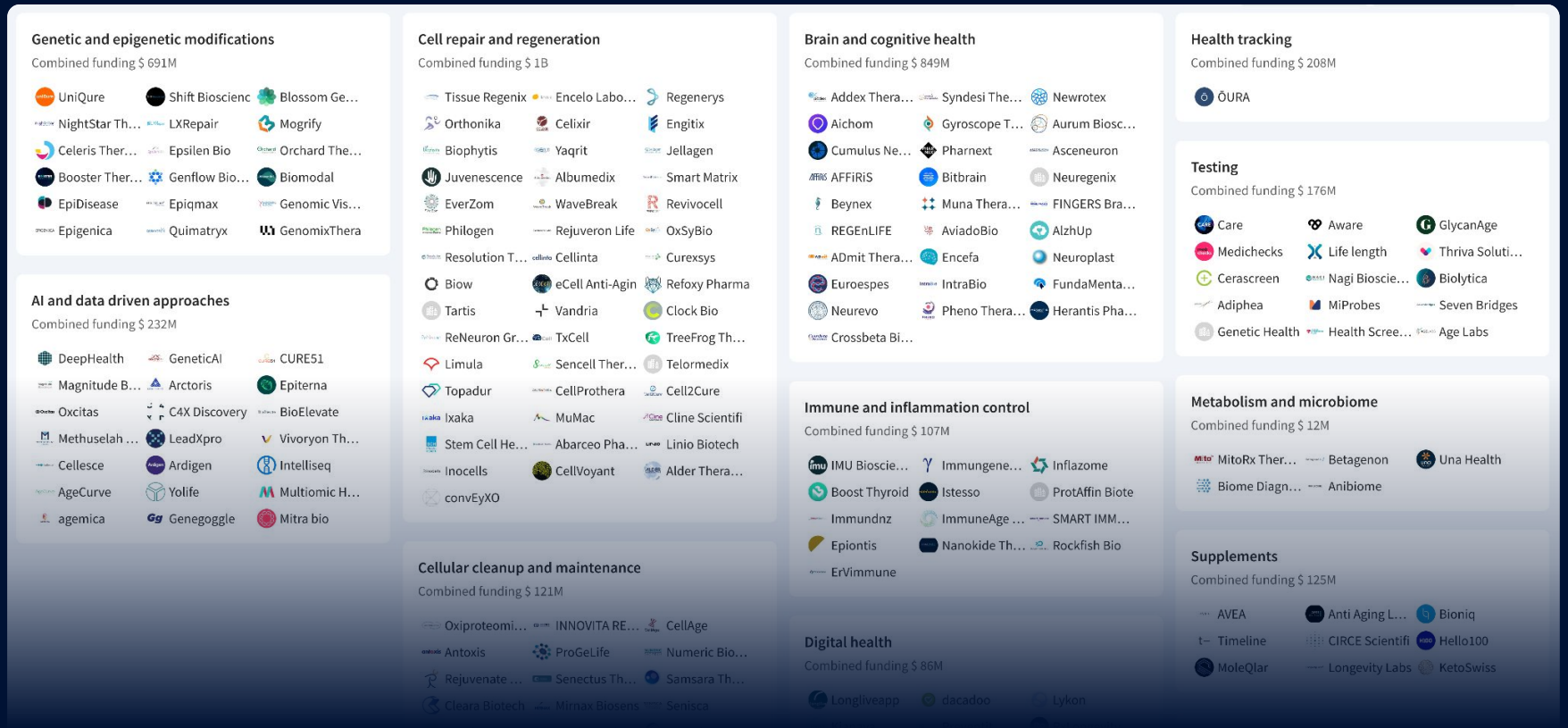
Combined funding

View landscape »

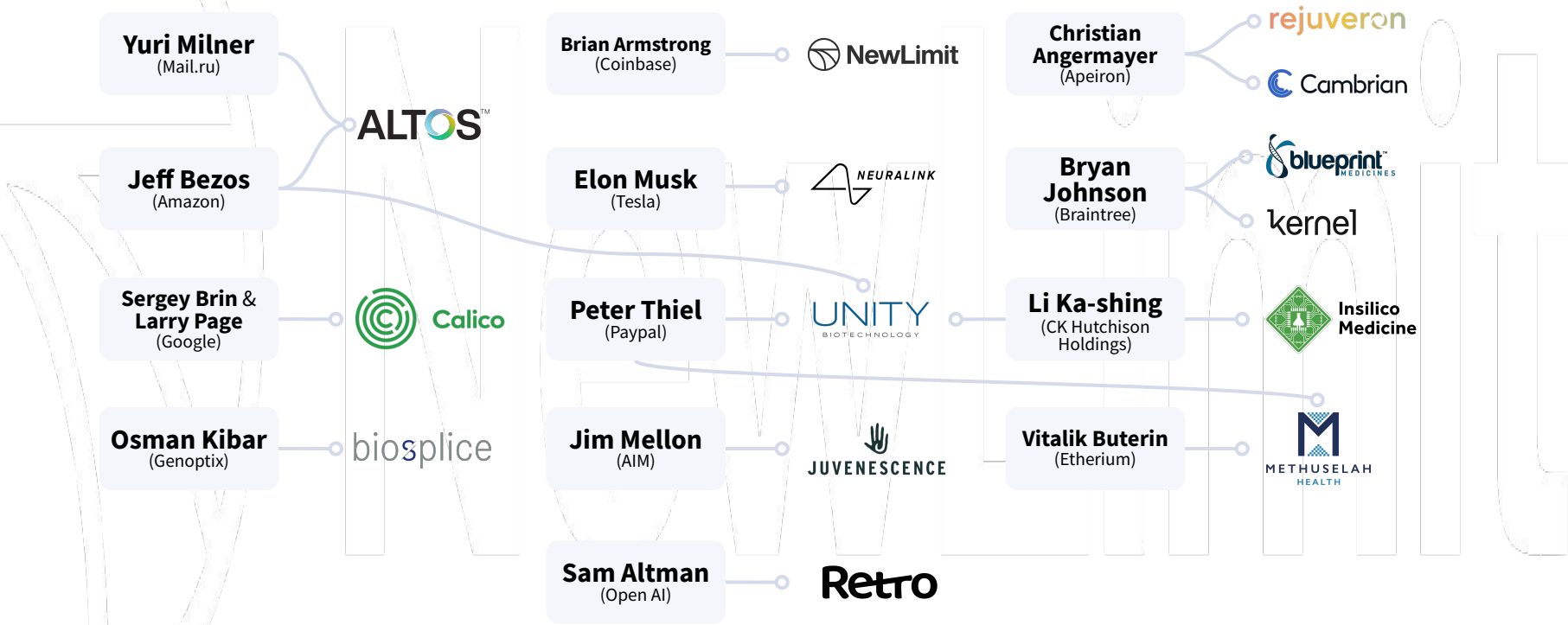
Source: Dealroom.co

Explore the Longevity landscape

» Explore the landscape



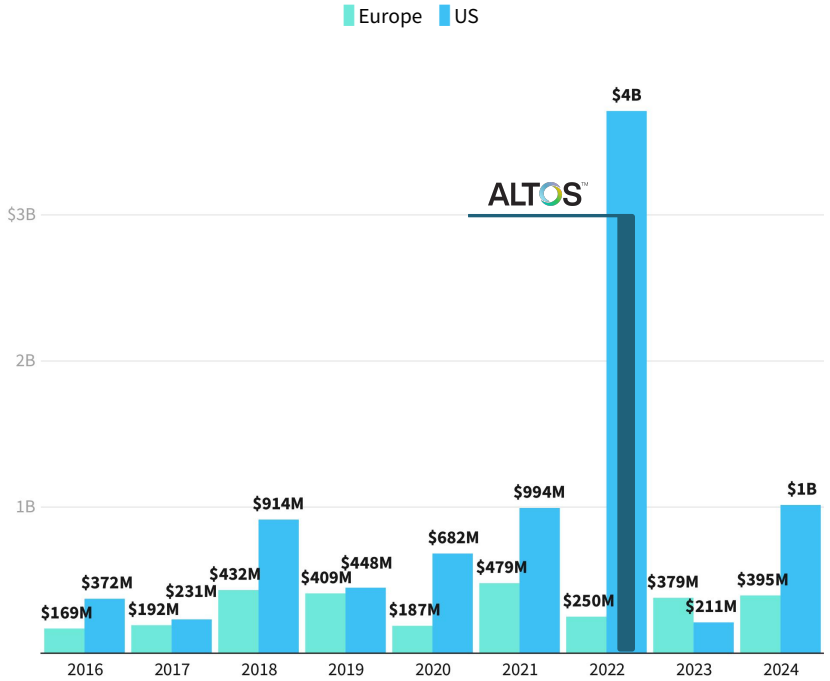
Many billionaires have been funding longevity startups.



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US longevity startups have raised almost 3x more funding than European counterparts in 2024. 2022 was a standout year for the US, mainly led by Altos Labs' $3B round.

VC funding in longevity startups per region



Top rounds in longevity in the US » view online

NAME	INVESTORS	MARKET	LOCATION	VALUATION	LAST ROUND	DATE
Altos Labs Biotechnology company dedicated t…	Foresite Capital ARCH Venture Partners Altitude Life Science Ventures Yuri Milner Jeff Bezos	health biotechnology	Los Altos, United States	$12.0—18.0b	$3.0b EARLY VC	Jan 2022
Biosplice Therapeutics Medical research and development f…	Vickers Venture Partners Starling group	health pharmaceutical biotechnology	San Diego, United States	$11.6b	$438m SERIES B	Aug 2018
Freenome A health technology company devel…	Farallon Capital Management Andreessen Horowitz Polaris Partners Fidelity Investments Sands Capital Management	health biotechnology pharmaceutical	San Francisco, United States	$1.5b	$300m SERIES D	Dec 2021
Freenome A health technology company devel…	Farallon Capital Management Andreessen Horowitz Polaris Partners Fidelity Investments Sands Capital Management	health biotechnology pharmaceutical	San Francisco, United States	$1.5b	$270m SERIES C	Aug 2020
Freenome A health technology company devel…	Andreessen Horowitz Polaris Partners Artis Ventures Quest Diagnostics DCVC	health biotechnology pharmaceutical	San Francisco, United States	$1.5b	$254m LATE VC	Feb 2024
Biosplice Therapeutics Medical research and development f…	Vickers Venture Partners Polar Light Ventures Starling group	health pharmaceutical biotechnology	San Diego, United States	$11.6b	$220m SERIES A	Sep 2013
Human Longevity A genomic-based, health intelligenc…	Threshold Ventures Illumina GE Ventures StartUp Health Celgene	health biotechnology	San Diego, United States	$159—239m	$220m SERIES B	May 2014

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Estelle Botbol
Senior Associate at
Speedinvest

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"While you can't buy youth, you can fund aging research - a field capturing the attention of billionaires and VCs, with over 700 biotech and techbio startups racing to unlock the secrets of longevity.

Advances in DNA repair, cellular reprogramming, and telomere elongation are unlocking the mechanisms of life and death, with insights from short-lived animal models like C. elegans. Meanwhile, the profound impact of sleep, diet, and exercise underscores the foundational role of lifestyle in extending lifespan. However, Nobel laureate Venki Ramakrishnan warns against oversimplification - turning back the biological clock isn't a simple hack and may disrupt the balance between aging and cancer. For instance, enhancing DNA repair pathways can slow aging but may also increase cancer risks.

At Speedinvest, we support ventures addressing these complexities with rigorous science, deep understanding of biological balances and clear pathways to clinical validation."

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