

1.

Boletín de Vigilancia Tecnológica

(Innovación nacional)

Fundación General CSIC





Most relevant organizations





Technical University of Madrid



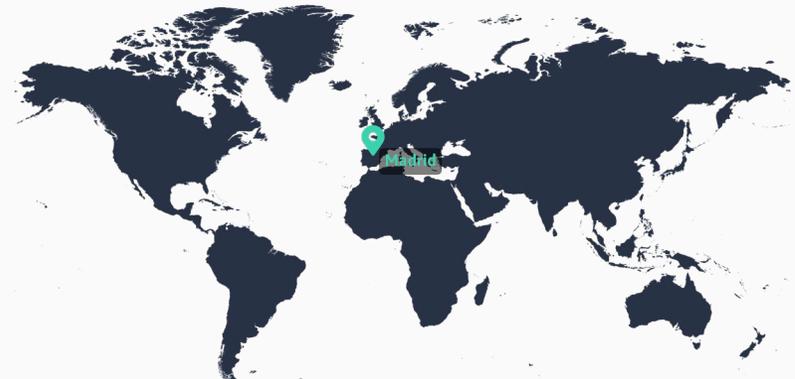
The Technical University of Madrid is actively involved in addressing the challenges of an ageing population through innovative ICT projects focused on active and healthy ageing. By leveraging breakthrough research and radical innovation, the university is developing cost-effective solutions to promote integrated care, monitor health, and support ageing workers in designing fit-for-purpose work environments. Through projects like ACTIVAGE and ICT4Life, the university is at the forefront of building IoT ecosystems and collaborative platforms that enable large-scale deployment of technologies for active and healthy ageing. With a focus on leveraging digital tools to address complex economic and social challenges, the Technical University of Madrid is contributing to the advancement of healthcare systems and societal well-being.

KEY CONCEPTS

- Active And Healthy Ageing
- Ict Projects
- Integrated Care
- Ageing Population
- Work Environments

 EMPLOYEES

5001-10000





Polytechnic University of Valencia



Polytechnic University of Valencia is actively involved in research and development projects focused on Ambient Assisted Living (AAL) and Active & Healthy Ageing (AHA). Through initiatives like ACTIVAGE, the university is working on building a European IoT ecosystem to enable the deployment of AAL solutions at a large scale. Their research aims to address interoperability challenges in IoT applications for the elderly, with a focus on improving quality of life and healthcare services. By developing innovative systems like AAIoTsys and SAFEECH, Polytechnic University of Valencia is contributing to the advancement of technology for monitoring and supporting the aging population.

KEY CONCEPTS

- Ambient Assisted Living
- Active & Healthy Ageing
- IoT Ecosystem
- Interoperability
- Healthcare Technology

 EMPLOYEES

5001-10000





University of Castilla - La Mancha



The University of Castilla-La Mancha is actively involved in research and development in the field of Active and Healthy Ageing, focusing on the successful adoption of assistive technologies for older adults. Their work encompasses evaluating factors such as effectiveness, usability, cost, and energy requirements to power assistive technologies. They also address challenges related to the increasing percentage of older people in the European population, emphasizing digital solutions for monitoring comfort, physical activity, and health. Additionally, the university is engaged in research on Internet of Things cybersecurity, particularly in ensuring code integrity in IoT environments.

KEY CONCEPTS

- Active And Healthy Ageing
- Assistive Technologies
- Energy Requirements
- Digital Solutions
- Internet Of Things Cybersecurity





HOP Ubiquitous



KEY CONCEPTS

- IoT Ecosystems
- Smart Living Environments
- Active & Healthy Ageing
- Interoperability
- Digital Tools



HOP Ubiquitous is a company focused on developing IoT ecosystems for Smart Living Environments, particularly in the context of Active & Healthy Ageing. Through projects like ACTIVAGE, they aim to address the challenges posed by the increasing life expectancy and aging population worldwide. By leveraging open and proprietary IoT platforms, technologies, and standards, HOP Ubiquitous works towards providing interoperability across heterogeneous platforms to enable large-scale deployment and operation of solutions for Active & Healthy Ageing.



EMPLOYEES

11-50





Research and Innovation



データで世界をもっと便利に
世界中の消費者と企業をデータでつな

OUR BUSINESS

KEY CONCEPTS

- Assistive Technology
- Healthy Ageing
- Innovative Solutions
- Independent Living
- Healthcare Technologies

お知らせ
News

Research and Innovation is a global organization dedicated to developing products and services that support healthy ageing through innovative assistive technology solutions. With a focus on independent living and improving quality of life for older individuals, the organization collaborates with various projects and initiatives to transform homes and communities using cutting-edge technologies. Through funding and support, Research and Innovation aims to address critical challenges in care worker recruitment, health management, continence care, vision impairment, and physical activity in older populations.

EMPLOYEES

1-10





University of Alicante

KEY CONCEPTS

- Active And Assisted Living
- Human Behaviour Analysis
- Vision Techniques
- Information And Communication Technologies
- Smart Home Solutions



The University of Alicante is actively involved in addressing health and social care challenges related to the ageing population through innovation in Active and Assisted Living (AAL) solutions. Their research focuses on Human Behaviour Analysis (HBA) for applications in Video Surveillance and Ambient-Assisted Living, with a particular emphasis on vision techniques. The university also explores the use of Information and Communication Technologies to support Active Aging strategies, promoting personal autonomy for the elderly through technologies like sensors networks and mobile devices.

 EMPLOYEES

1001 - 5000





Institute Biomecanica Of Valencia

Institute Biomecanica Of Valencia focuses on a holistic approach to addressing interrelated frailties in older adults, including cognitive decline, physical frailty, depression, anxiety, social isolation, and poor sleep quality. Their my-AHA program aims to reduce frailty risk by enhancing physical activity and cognitive function, promoting active and healthy aging. By emphasizing early detection and intervention, the institute aims to alleviate the burden on social and health care systems associated with these frailties.

Organization image
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KEY CONCEPTS

- Frailty
- Cognitive Decline
- Physical Activity
- Healthy Aging
- Intervention



Valencia de Alcántara



Tecnalia

¿Qué quieres buscar?



— OFERTA

KEY CONCEPTS

Colaboramos con las empresas

This website uses cookies

- lot Ecosystem
own cookies and those of third parties on our website to analyse traffic, customise the site and offer social network functions.

- Smart Living Environments

Enable cookie selection

Enable all cookies

- Active & Healthy Ageing

Necessary Preferences Statistics Marketing

Show details

- Interoperability

Proyectos de I+D+i

- Innovative Solutions

Servicios de laboratorio

Transferencia de tecnología

Tecnalia is a leading organization in the development of Smart Living Environments, focusing on creating an IoT ecosystem for Active & Healthy Ageing. Through the ACTIVAGE project, Tecnalia aims to integrate various IoT platforms and technologies to enable interoperability across different deployment sites in Europe. By leveraging both open and proprietary technologies, Tecnalia is at the forefront of building innovative solutions for the ageing population, promoting independent living and well-being through smart technologies.



EMPLOYEES

1001-5000





Fundacion Intras

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Fundacion Intras focuses on using innovative HumanComputer Interaction (HCI) methods such as augmented reality, virtual reality, gesture/voice recognition, and eye tracking to measure user emotional, cognitive, and health states. They also utilize IoT sensors to detect environmental conditions. The organization's goal is to promote healthy habits among users in their work and daily life settings to enhance their overall well -being and productivity.

¿Quieres descubrir en qué estamos trabajando? Echa un ojo a

KEY CONCEPTS Nuestros servicios

- Human-Computer Interaction

- Augmented Reality

- Virtual Reality

- Iot Sensors

- Health Promotion
Perfil del contratante

En comunidad

Nos hacemos mayores

Bienvenidos al Perfil del Contratante de Fundación Intras.

La intervención comunitaria apuesta cada vez más por el desarrollo de las capacidades para que las personas puedan responder por si mismas a sus necesidades y dificultades desde una perspectiva

Las Clínicas de Memoria de Fundación INTRAS son centros sociosanitarios diseñados para ofrecer programas de evaluación y rehabilitación neuropsicológica e intervención cognitiva a personas con

EMPLOYEES

101-250





Artica Telemedicina S.L.

Artica Telemedicina S.L. is a company focused on developing innovative services for integrated care in the healthcare sector. Through breakthrough research and radical innovation, the company aims to improve monitoring of health, disease prevention, detection, treatment, and disease management to promote active and healthy aging. Their approach involves leveraging an efficient and cost-effective service-oriented ICT-based collaborative platform that utilizes the latest advances in sensorization, processing, communications, and personalized human-machine interface.

KEY CONCEPTS

- Telemedicine
- Integrated Care
- Health Monitoring
- Ict-Based Collaborative Platform
- Sensorization

EMPLOYEES

11-50





Ranking the most Important Organizations for this Topic

Organizations Ranking - I



Ranking	Name	Score	CTRIAL	CONF	GRANT	NEWS	PATENT	PUB	TECH	TM	WEB
1	Aging in Place	4506.4	-	-	-	84	-	-	-	-	-
2	iMedicare	3478.6	-	-	-	82	-	-	-	-	-
3	University of Michigan	3438.9	-	1	-	74	-	12	-	-	-
4	National Institute on Aging	3302.7	4	-	-	88	-	-	-	-	-
5	Michigan Medicine	3261.3	-	-	-	80	-	1	-	-	-
6	World Health Organization	3057.3	-	-	-	86	-	4	-	-	-

Pub | Factors enabling comorbidities and secondary conditions in older adults with spinal cord injury

Pub | Postintensive care screening: French translation and validation of the Healthy Aging Brain CareMonitor, hybrid version

Pub | Successful aging in the United States: Prevalence estimates from a national sample of older adults

Organizations Ranking - II



Ranking	Name	Score	CTRIAL	CONF	GRANT	NEWS	PATENT	PUB	TECH	TM	WEB
7	University of Chicago	3053.3	-	-	-	62	-	1	-	-	-
8	AARP	2616.9	-	-	-	51	-	-	-	2	-
9	Amazon	2504.2	-	-	-	86	-	-	-	-	-
10	Centers for Disease Control and Prevention	2469.2	1	-	-	65	-	1	-	-	-
11	Healthy Aging	2460.5	-	-	-	50	-	-	-	-	-
12	Google	2266.5	-	-	-	69	-	-	-	-	-

News | 6 Home Modifications for Seniors Aging in Place

Pub | Safe, affordable, convenient: Environmental features of malls and other public spaces used by older adults for walking

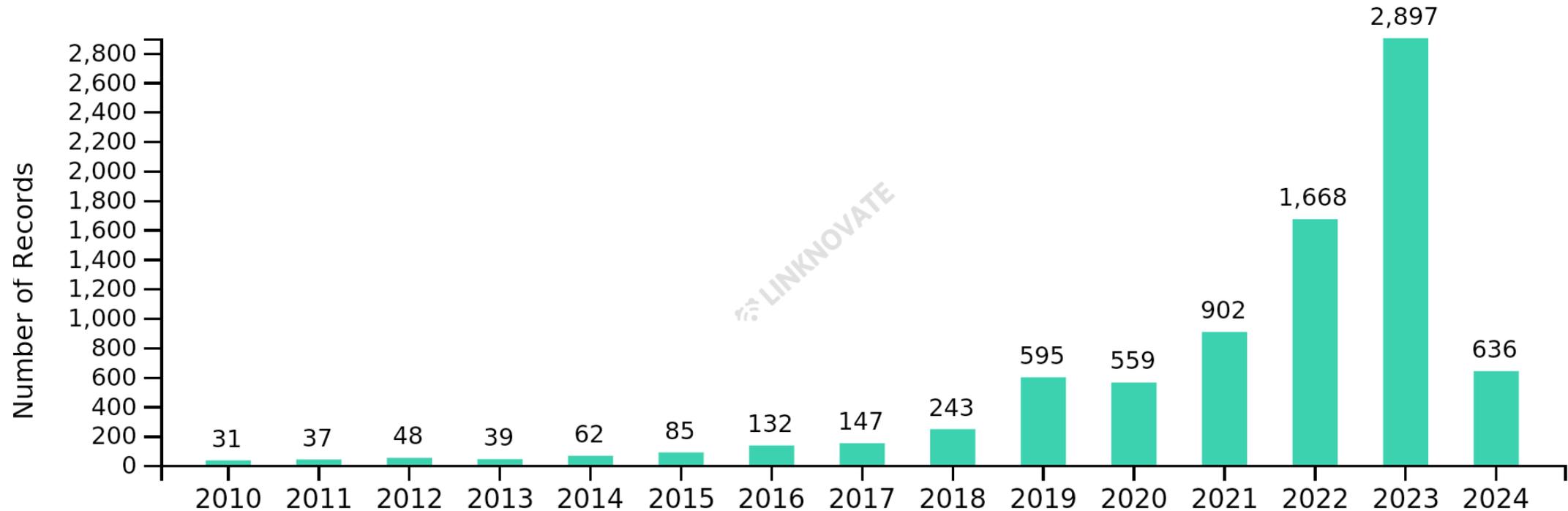
Pub | Technology Acceptance of a Social Robot (LOVOT) Among Single Older Adults in Hong Kong and Singapore: Protocol for a Multimethod Study



Analytics for this Topic

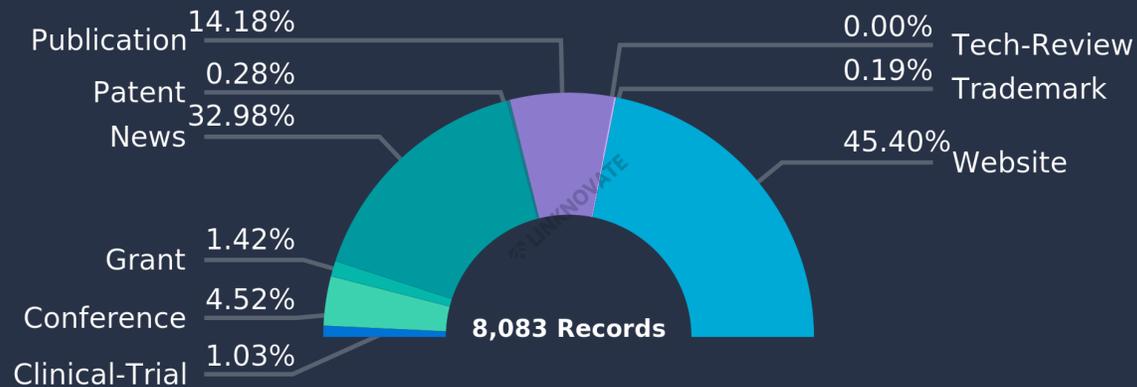
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Topic Records- Evolution over Time



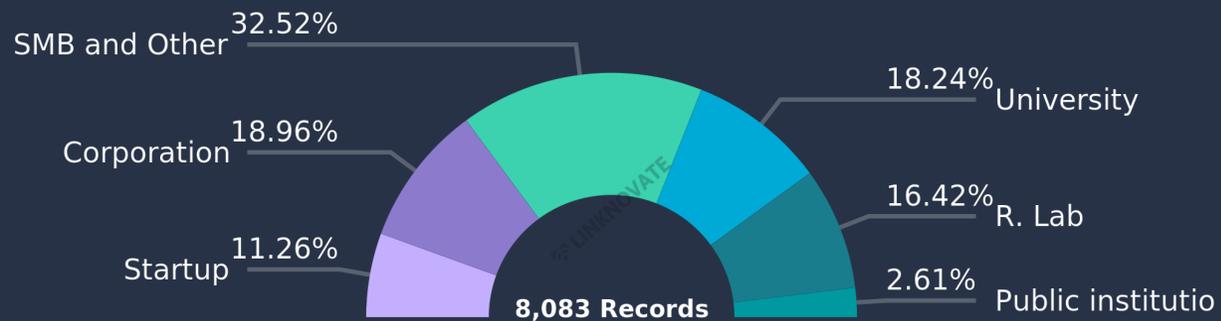
The data shows a significant increase in the number of records related to topics such as Elderly Wellbeing, Healthy Aging, and Assistive Technologies over the years 2010 to 2024. The trend demonstrates a steady growth in research and interest in areas such as Sensorization, Wearable Sensors, Health Monitoring, and Smart Environments. The number of records started at 31 in 2010 and saw a gradual rise until a sharp increase in 2019 with 595 records. The peak was reached in 2023 with 2897 records before decreasing slightly in 2024 to 636 records. This indicates a strong focus on innovative solutions for aging populations worldwide.

Data Source Distribution



The table shows a significant amount of data related to the intersection of topics such as elderly wellbeing, healthy aging, and technology. Between 2010 and 2024, there were 83 clinical trials, 365 conference papers, 115 grants, 2666 news articles, 23 patent applications, 1146 journal articles, 0 technology reviews, 15 trademark applications, and 3670 web pages. This indicates a strong interest and activity in research, development, and dissemination of information in the areas of aging, technology, and healthcare. The high number of news articles and web pages suggests a wide public interest and engagement with these topics.

Records per Organization Distribution

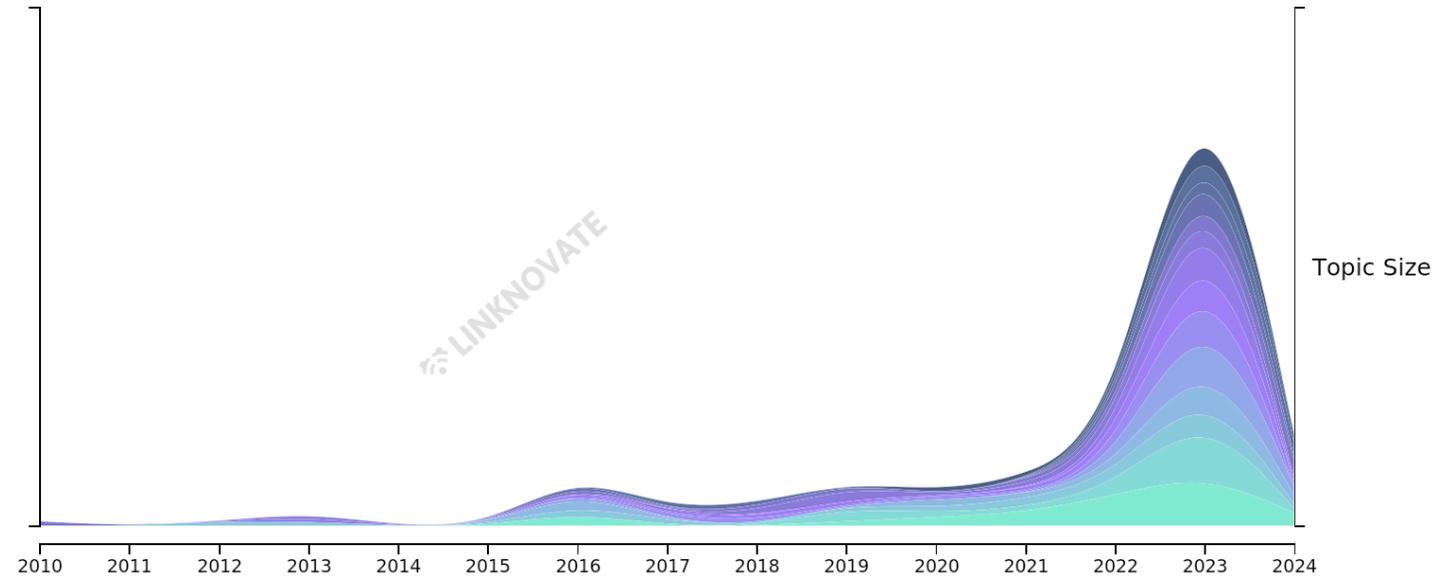


The distribution of records per organization type for the query related to elderly wellbeing, healthy aging, and related technologies between 2010 and 2024 shows that startups have 1477 records, corporations have 2487 records, SMEs and other organizations have 4266 records, universities have 2393 records, research labs have 2154 records, and public institutions have 342 records. This indicates a significant interest and involvement in this field across various types of organizations, with SMEs and other entities leading in the number of records, followed by corporations and universities. The data suggests a diverse ecosystem of players contributing to advancements in elderly care and aging technologies.

Topic Trends- Evolution over Time

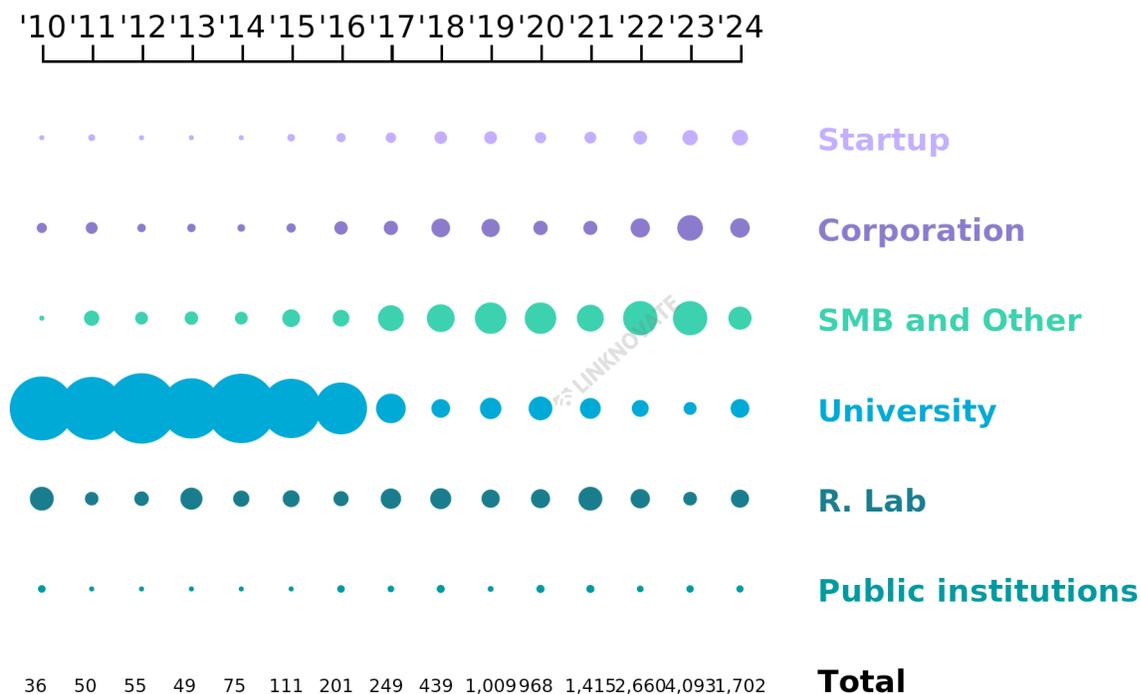


- Memory Care Families
- Individual Caregivers
- Digital Devices
- Fall Prevention
- Sensor Data
- Medical Technology
- Individualized Service
- Senior Center
- Design Homes
- Older Homes
- Physical Activity
- Social Support
- Senior Care Services
- Older Adults



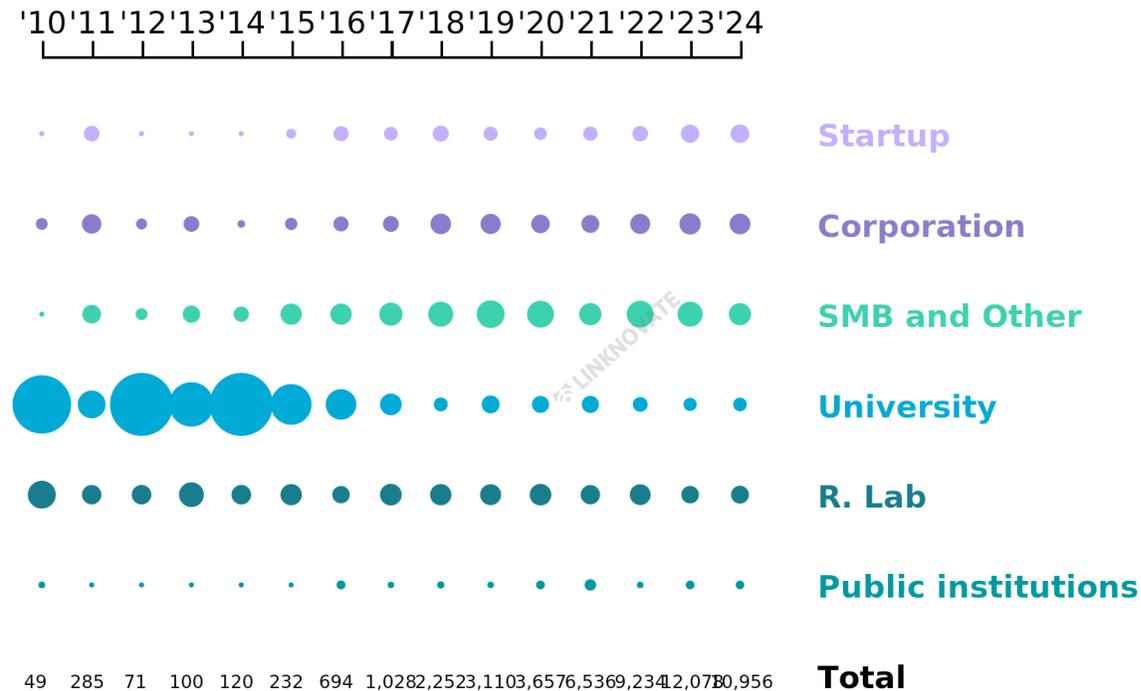
The data shows a gradual increase in research and focus on topics related to elderly wellbeing, healthy aging, and active aging over the years. Particularly, there has been a significant rise in interest in topics such as sensorization, wearable sensors, health monitoring, assistive technology, and smart environments in relation to older adults. This trend indicates a growing recognition of the importance of technology and innovative solutions in promoting the wellbeing and independence of seniors. Additionally, the data highlights a notable increase in research on senior care services, social support, physical activity, fall prevention, and sensor data, reflecting a holistic approach to addressing the needs of aging populations.

Documents Authors per Year



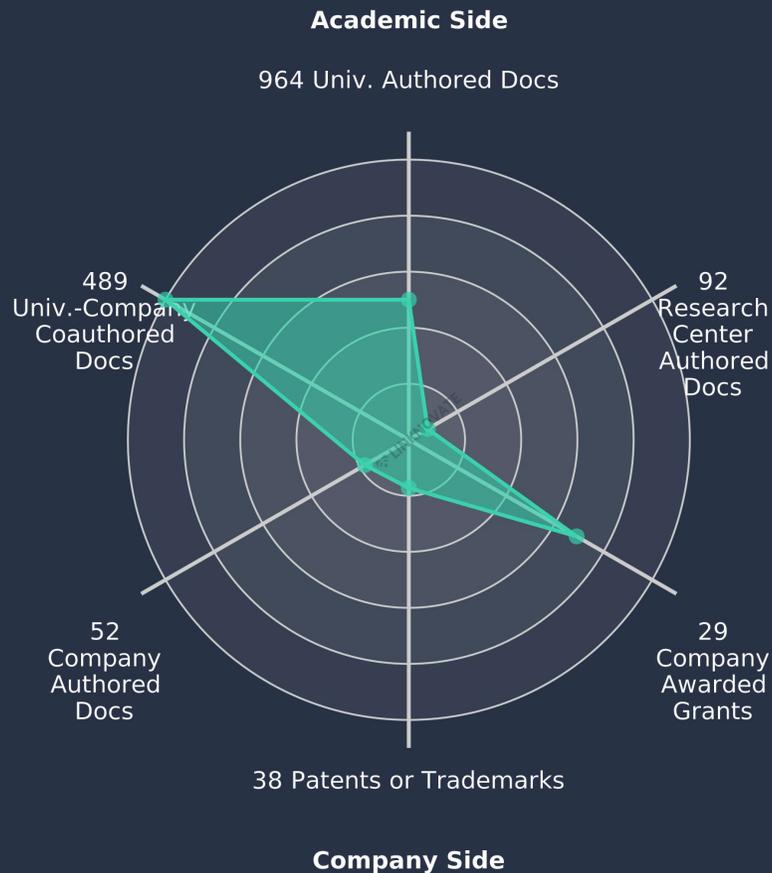
The table shows the percentage of records related to specific topics between 2010 and 2024, categorized by organization type. Startups had a gradual increase from 2010 to 2024, reaching 15% in the last year. Corporations had fluctuating percentages but peaked at 26% in 2023. SMEs and other organizations showed a steady increase, reaching 37% in 2022 before decreasing to 25% in 2024. Universities had the highest percentage of records throughout the years, starting at 69% in 2010 and dropping to 19% in 2024. Research labs had varying percentages, with a peak of 25% in 2021. Public institutions had minimal involvement, with percentages below 5% each year.

Records per Organization Prevalence per Year



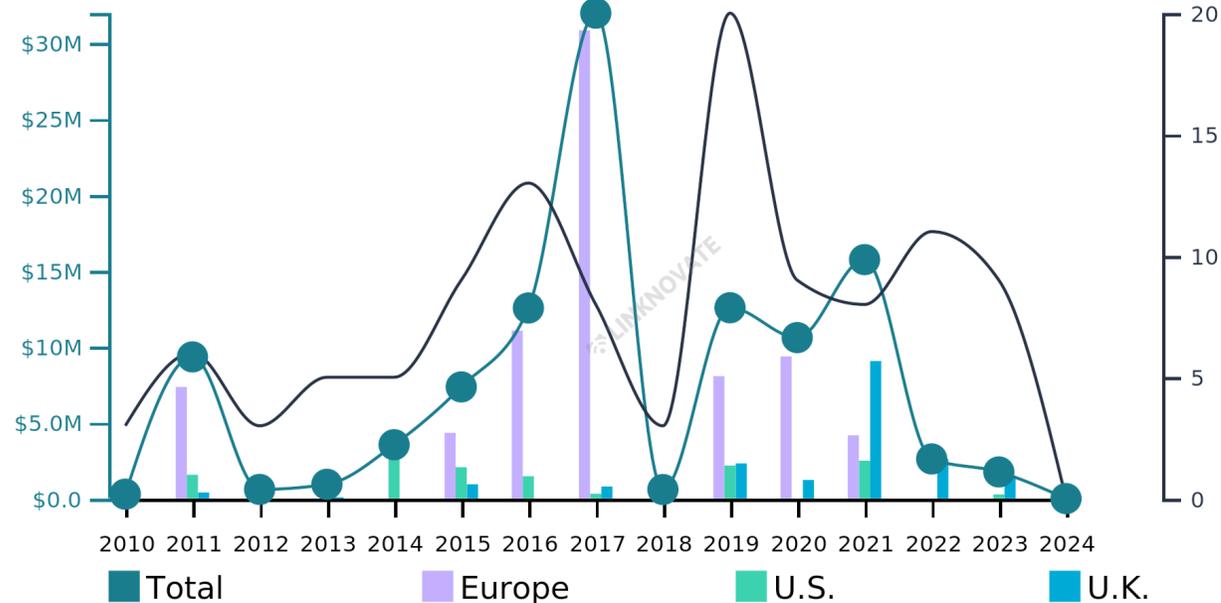
The table shows the distribution of organizations per type per year for the specified keywords related to elderly wellbeing and technology advancements from 2010 to 2024. Startups had a gradual increase from 2011 to 2024, reaching 19% in 2024. Corporations consistently maintained a significant presence, with 22% in 2024. SMEs and others showed fluctuation but ended at 24% in 2024. Universities had the highest percentage in 2010 at 63% but decreased over the years. Research labs and public institutions had varying levels of involvement, with research labs maintaining a steady presence around 20% and public institutions showing a slight increase towards the later years.

Commercial Readiness Level



The data from the Commercial Readiness Level chart for the specified query between 2010 and 2024 shows the following results: University authored records: 964- Research center authored records: 92- Company awarded grants: 29- Number of patents or trademarks: 38- Company authored records: 52- University-company coauthored records: 489 This data indicates a significant level of academic and research activity in the field of elderly wellbeing, healthy aging, active aging, and related technologies. The high number of university authored records and university-company coauthored records suggest a strong focus on collaboration between academia and industry in developing innovative solutions for aging populations. Additionally, the number of patents and trademarks reflects a growing interest in commercializing these technologies.

Public Funding (Grants)



Between 2010 and 2024, grants for organizations focusing on Elderly Wellbeing and related areas were received from various sources. European agencies provided a total of \$54,118,283, with the highest funding in 2017 at \$30,841,066. US agencies contributed \$17,019,935, peaking in 2014 with \$3,549,247. UK agencies allocated \$16,216,582, with the most significant support in 2021 at \$9,064,790. Funding varied each year, reflecting the growing interest and investment in initiatives promoting Healthy Aging, Assistive Technology, and Smart Environments to enhance the quality of life for seniors globally.



Conclusions

- The Conclusions For This Report Are As Follows:
- Based On The Analysis Of The Data For The Query Related To Elderly Wellbeing, Healthy Aging, And Technology Trends Between 2010 And 2024, Several Conclusions Can Be Drawn:
- There has been a significant increase in research and interest in topics related to aging, technology, and healthcare over the years.
- Collaboration between academia, industry, and other organizations is evident in the development of innovative solutions for the elderly population.
- Funding from European, US, and UK agencies has played a crucial role in supporting initiatives focused on Healthy Aging and Assistive Technologies.
- The distribution of records across different organization types highlights a diverse ecosystem of players contributing to advancements in elderly care and aging technologies.
- The data reflects a global effort to address the challenges and opportunities associated with aging populations through technology and innovation.



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