





Digital health in Catalonia. Technology snapshot

ACCIÓ Government of Catalonia



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Carried out by

Strategy and Competitive Intelligence Unit of ACCIÓ

Collaboration

Barcelona Health Hub Biocat

Agència de Qualitat i Avaluació Sanitàries de Catalunya Fundació TIC Salut i Social







Agència de Qualitat i Avaluació Sanitàries de Catalunya



Barcelona, May 2025







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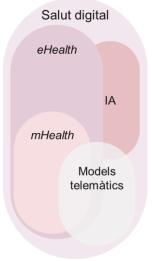
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Digital health is the field of knowledge and practice associated with the development and use of digital technologies to improve health.





Digital therapies

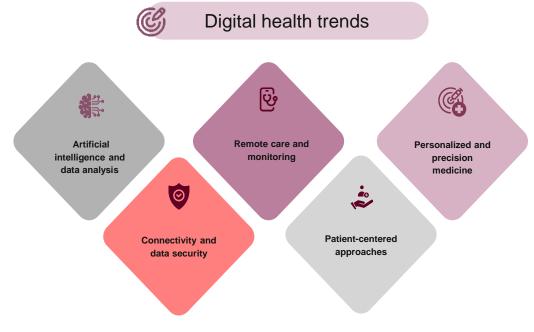
MHealth

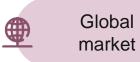
ICT applied to health

Personalized medicine

Telemedicine

Devices, sensors and wearables





The global digital health market is expected to reach \$258.3 billion in 2029, with a 6.9% annual growth until 2029.

The United States leads
the world in turnover,
ahead of China and
Japan. 5 European
countries are in the top 15.

Technological FDI in the health sector amounts to an investment of more than 24.5 billion euros and more than 77,000 new jobs have been created during the last five years.

Digital health startups have attracted more than 75 billion dollars in venture capital in the last 5 years; 45% of this capital is allocated to startups specializing in AI applied to health.







386 companies in the digital health ecosystem

16.6% more companies compared with 2024 and 44.6% with respect to 2022.

Turnover of €633 M (+6.9%) and 5,302 jobs (+10.2%).

92.5% are SMEs and 55.7% are startups.

Prominent among them are companies that develop clinical tools (17.9%) and digital therapies (13.0%).



160 companies (41.5%) develop Al tools

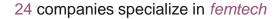


12 companies (3.1%) develop medical robotics



Leading agents and initiatives

- 27 research centers and hospital research institutes
- 14 universities and education and training establishments
- 10 acceleration programs
- 15 associations, networks, and clusters
- 10 institutions and the Public Administration
- 11 key public initiatives



25 companies specialize in agetech

31 companies specializing in pediatech



Attractive for international companies

2nd-ranked region in the world for attracting foreign technological investment projects in digital health over the last five years.

16 technological hubs of companies such as AstraZeneca, Bayer, Novartis, Roche and Sanofi.



Entrepreneurial ecosystem

The health technology sector:

- ranks second in terms of the number of startups, with 369 startups accounting for 16.1% of the total.
- attracts €177.7 million in venture capital investment, 43% more than in 2023, and ranks among the first with 14.9%.

Barcelona is the 5th-ranked European city in closed venture capital rounds for digital health startups.





1. Definition, importance and applications of digital health





Digital health: plurality of definitions



The World Health Organization defines digital health as:

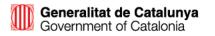
"The field of knowledge and practice associated with the development and use of digital technologies to improve health"



According to the European Commission, digital health is:

"The tools and services that use ICT to improve the prevention, diagnosis, treatment, monitoring and management of diseases and health conditions and monitor and manage lifestyle habits with an impact on people's health"

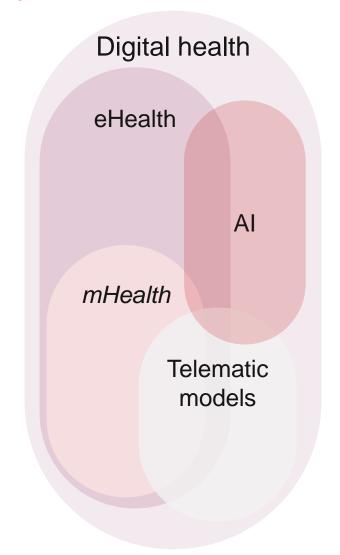






Sources: European Commission, World Health Organization

Digital health concepts



eHealth is the use of information and communication technologies to provide healthcare services and use health data for prevention, diagnosis and therapeutic treatment.

mHealth is the use of mobile devices such as smartphones, smartwatches, monitoring devices, voice assistants, apps, platforms, chatbots, etc. to support medical and public health practice.

Telematics models are the set of practices and services that enable telematic healthcare for patients, the completion of bureaucratic healthcare procedures, the exchange of information between healthcare professionals and between healthcare professionals and patients, and the exchange of experiences and the exploitation of data for research.

The applications of artificial intelligence in the health sector encompass very diverse areas, from the automated interpretation of imaging tests, to the monitoring and interpretation of patient records, identification of drug interactions, epidemiological surveillance, etc. Al has great potential to improve people's health.





Sources: Ministry of Health, Generalitat of Catalonia and Agency for Healthcare Quality and Evaluation of Catalonia

Technological solutions

Technology can help health in many different ways





Digital therapies

Diabetes apps that reduce risk events

Nutrition and diet apps

Mental health solutions that reduce symptoms of depression



mHealth

Medication adherence apps

Access to health information



IT apps

ICT applied to health

Electronic health histories

Electronic prescriptions



High-precision tests

Personalized medicine

Clinical decision support



Biometric sensors

Devices, sensors and wearables

Diagnostic products



Telematic visits

Telemedicine

Patient monitoring

Remote health programs

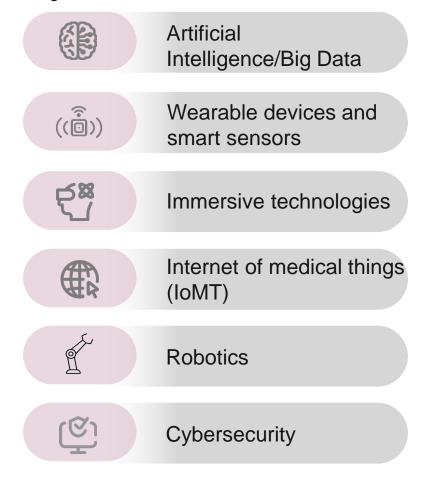




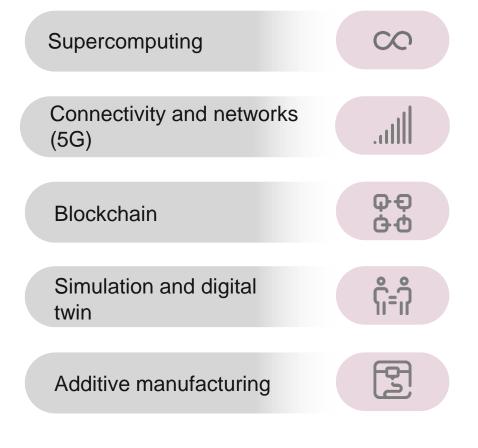
Sources: Techtarget, European Commission and Digital Therapeutics Alliance

Convergence with other technologies

The transformation of the health sector is due to the constant incorporation of disruptive innovations and hybridization with new technologies







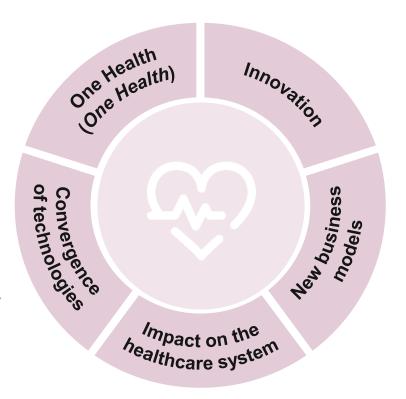




Importance of digital health

The use of technologies in health can lead to a practical approach to the One Health concept, based on the idea that human, animal and planetary health are interdependent. The nature of digital health can help promote a practice under this concept in a multisectoral, cross-disciplinary and, above all, digitally inter-connected manner.

Digital health in itself takes a comprehensive and hybrid approach that brings together a wide range of different key technologies, such as the use of big data, robotics, genomics, cybersecurity and wearables, which can lead to high added value and reduced healthcare costs in terms of prediction, forecasting and quality improvement.



Digital applications and technologies in the field of health are experiencing healthy growth in view of the rise in new and serious social-health and biological threats and those linked to climate change. Healthcare supported by ICT can offer new pioneering methodologies and uses in order to establish a comprehensive approach to health (always based on previous research work).

The use of digital technologies in health gives rise to new businesses and business models that can ultimately attract new market sectors. A major challenge is to secure new economically sustainable strategies, health platforms and ecosystems, the role of insurance and new public-private partnerships.

Digital health can shorten and alleviate the response capacity of healthcare systems while promoting optimal care with speed and efficiency. With the aim of preventing work overloads, the use of digital technologies in health also proposes a human-centered approach that seeks improvements in terms of quality.





Sources: ACCIÓ, ISGlobal and Bit

2. World digital health market



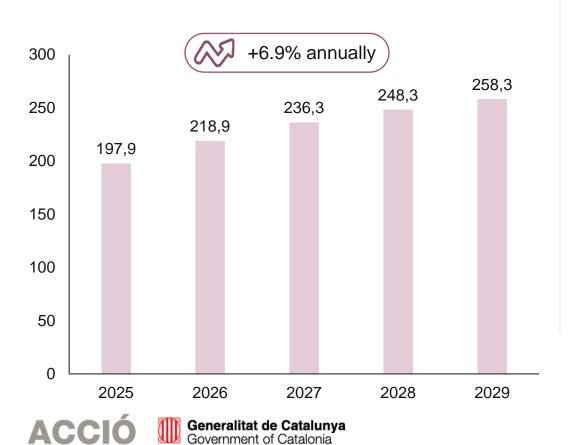


Size of the global digital health market

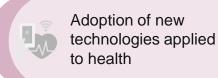
The global digital health market surpassed \$171.8 billion in 2024 and is expected to reach around \$258.3 billion in 2029, with a 6.9% annual growth between 2025 and 2029.

World digital health turnover

(2025-2029, in billions of dollars)



Key factors driving the growth of the digital health market





Increase in public spending on health and general aging of the population

Main challenges of the digital health market



Large digitized personal patient databases and how to protect them



Renewal of obsolete analog healthcare systems that become personalized

Sources: Statista and Precedence Research

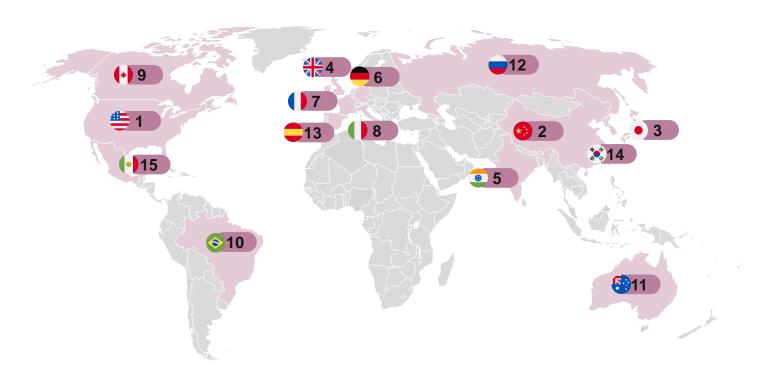
The United States leads the world in digital health turnover



China ranks second in terms of turnover, and in third place, and far behind, is Japan



Five European countries stand out in the top 15: the United Kingdom, Germany, France, Italy and Spain



	Countries	Turnover (M\$, 2024)	% growth year on year (2024-2029)
1	United States	47,120	8.2%
2	China	38,200	7.2%
3	Japan	8,285	8.8%
4	United Kingdom	5,545	9.1%
5	India	5,337	13.1%
6	Germany	4,858	8.1%
7	France	4,085	8.1%
8	Italy	4,021	10.0%
9	Canada	3,514	8.0%
10	Brazil	3,171	9.3%
11	Australia	2,670	8.4%
12	Russia	2,603	9.4%
13	Spain	2,515	10.1%
14	South Korea	2,460	3.5%
15	Mexico	2,412	8.9%





Source: Statista CataloniaConnects







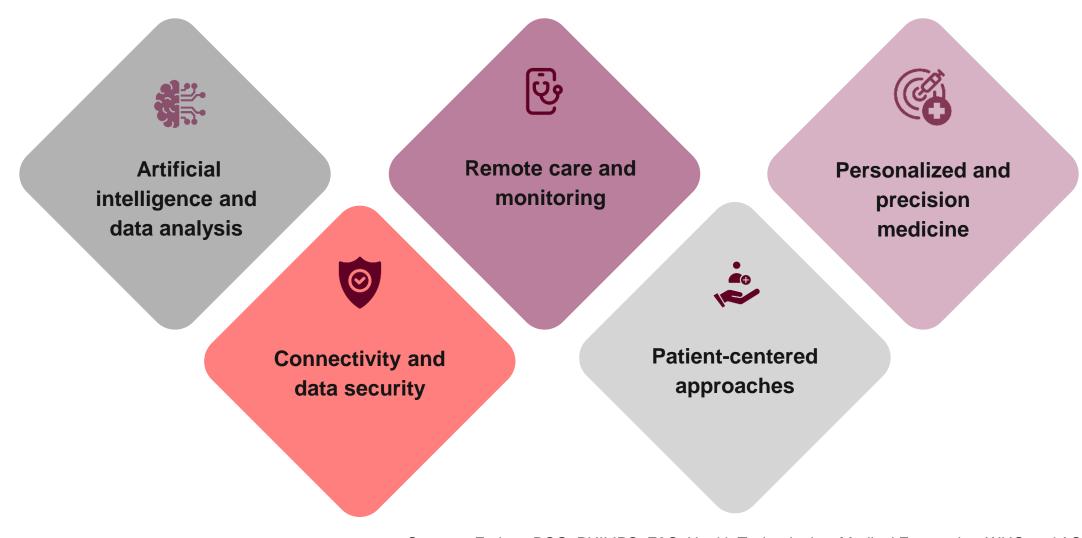
Digital health in Catalonia

3. Trends, opportunities and challenges of digital health





Digital health trends







Sources: Forbes, BCG, PHILIPS, F&S, Health Technologies, Medical Economics, WHO and ACCIÓ

Opportunities



Better access to medical care



Patient participation



Personalized medicine



Improved efficiency and cost reduction



Research and innovation

Challenges



Data privacy and security



Talent



Accessibility and equity



Interoperability and integration into existing health systems



Legal and regulatory framework. Evidence and clinical validation





Digital health in Catalonia

4. Initiatives related to digital health



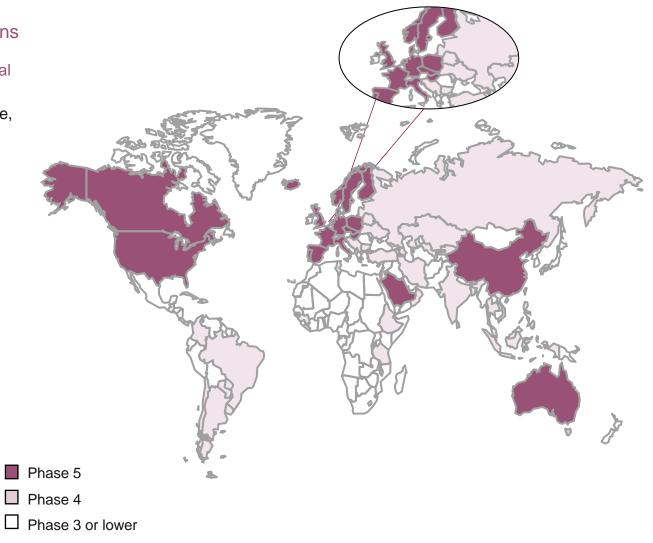


International initiatives

Digital health is on the agenda of the main medical organizations

Europe, and North America continue to be the global regions with a global digital health index (GDHI) highest taking into account its indicators: governance, strategy and investment, policies and compliance, workforce, interoperability, infrastructure and services and applications.

- Europe and North America continue to lead innovation in digital health. Finland has established itself as the epicenter of digital health in Europe.
- In the Pacific, in Australia, the Government has recently announced a major investment in digital mental health projects.
- Meanwhile, in Africa, Nigeria is working on improving health infrastructure with increased investment in the private sector.
- According to the World Health Organization, optimal implementation of digital health interventions on a global scale could save more than 2.1 million additional lives until 2033, along with a gain of 4.9 million years of life for the world population over a 10-year horizon.







Initiatives in the European Union

The digitalization of health systems is a key point for the digital transition of the economy and society in the EU.

The Communication of the Commission on enabling the digital transformation of health and care in the digital single market (April 2018) set the theoretical precedent for technologically responding to the challenges of an aging population, chronic illnesses, unequal access to healthcare and the education and training of health professionals. In it, the following goals are set:



Secure access to and exchanges of health data

Personalized medicine through a European data infrastructure for research

Training for citizens in digital tools and data for person-centered healthcare

European Health Union

The current project of the European Health Union is included in the goal of **improving protection**, **prevention**, **preparation and the response to threats to human health in the EU**. A **digital health barometer** was published in 2022 in order to monitor the development and appeal of the sector, within the **EU global health strategy** published by the Commission. This will guide the EU's action in the field of global health until 2030 and establishes clear action priorities, guiding principles and operational action lines. It will also create a new monitoring framework to assess the effectiveness and impact of the EU's policies and funding. The use of technologies is envisaged in **current initiatives** such as the following:



European Health Emergency Preparedness and Response Authority (HERA). Medical counter-measures for health crises.



European plan for the fight against cancer. Prevention, detection and patients' quality of life



Pharmaceutical strategy. Access to medicines and medical needs which are not covered.



Global mental health approach. To put mental health on a par with physical health.



Critical Medicines Act.
Improve the availability, supply and production of critical medicines in the EU.





Source: European Commission

Spain's National Digital Health Strategy

The **Spanish Digital Health Strategy 2021-2026** is part of the Spanish Government's roadmap "Digital Spain 2026" and proposes the digital transformation of the National Health System (SNS) services in three main areas of action: the development of **digital smart services**, the **interoperability** of health information and the promotion of **data analytics**.

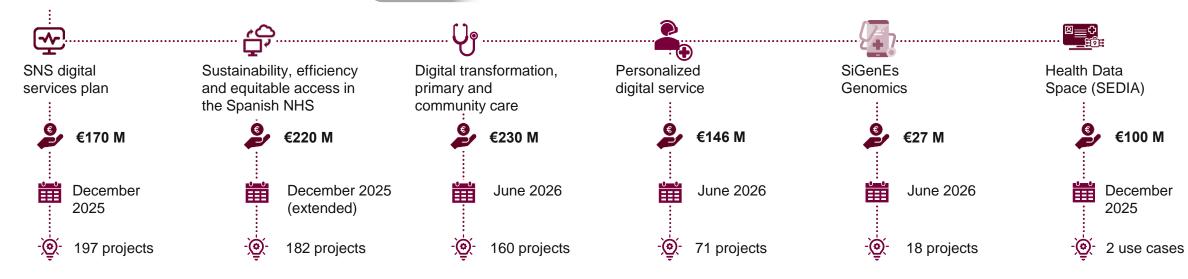




- 3 Strategic goals
 - 1. Strengthening of the National Health System centers
- **2.** Digitization and modernization of industrial capacity
- 3. Collaboration between scientific and business fabrics

6 Action plans currently being driven*

€893 M







Source: Digital Health Strategy, Ministry of Health (2024)

5. Digital health in Catalonia





	386 companies 633 million euros			5,302 jobs
	+16.6%1	+6.9 % ¹		+10.2%1
<u> </u>	92.5% are SMEs.	Key figures by business segm	ent:	
1=111	26.9% have a turnover of more than one million	Clinical tools	17.9%	
	euros and 3.1% more than 10 million euros.	Digital therapies	13.0%	
િ	63.0% have existed for less than 10 years.	Diagnoses	9.8%	
is a	55.7% are startups.	Diagnood	3.070	

13.0% are subsidiaries of foreign firms.

160 companies (41.5%) develop artificial intelligence solutions applied to health

15.5% are exporters.

Note: the data refer to 2025; the turnover and number of employees data, to 2023 (or latest available).





Source: ACCIÓ

¹ growth in comparison to mapping data drawn up in 2024.

Corporate mapping of digital health in Catalonia (II)



Genomics



Medical robotics



accelible A aimsmedical A alma obco © Embioth Fetal Care €NGIOI €Ox © eHealthAl higia.ai Lightpoint & MedBrain mediktor Methinks nesal



TRANSMURAL PASHERT W WYSWING



Clinical tools







Simulation and training



Health services



Apps and marketplaces



Logistics and others



Technological consultants





Product engineering and technological services







Consulting services







Source: ACCIÓ **Catalonia**Connects

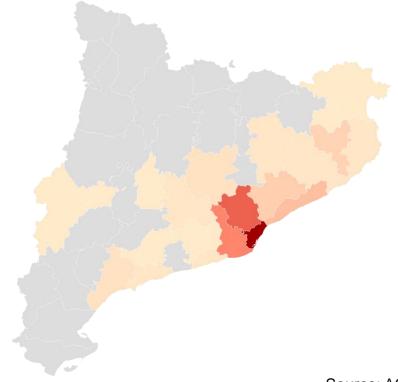
Location of Catalan digital health companies

81.1% of digital health companies in Catalonia are located in the Metropolitan Area of Barcelona (AMB, in its initials in Catalan).

By cities, the following stand out: Barcelona (255), Sant Cugat del Vallès (18), Girona (7), and Badalona, Cornellà de Llobregat, Esplugues de Llobregat, Mataró, Sabadell and Terrassa (5).

County	No. of companies	% of the total
Barcelonès	263	68.1%
Vallès Occidental	38	9.8%
Baix Llobregat	26	6.7%
Maresme	14	3.6%
Vallès Oriental	9	2.3%
Gironès	8	2.1%
Others	28	7.3%
Total	386	100%

Distribution of digital health companies by counties



Note: the Metropolitan Area of Barcelona includes 36 municipalities in the counties of El Barcelonès, El Baix Llobregat, El Vallès Occidental and El Maresme.





Source: ACCIÓ

Agents of the digital health ecosystem in Catalonia



Research and technological centers and hospital research institutes

























SGIobal Institutode Salud Global



LabORA















Universities and training centers































Acceleration programs and incubators



BARCELONA



d-HEALTH

BARCELONA



Ace eracers de warrung de salud









Associations. networks and clusters





























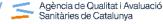


Institutions and Public administration



































Catalonia has universities that teach bachelor's, master's and postgraduate degree programs that offer knowledge applicable to digital health

Bachelor's Degrees

- Bioengineering
- **Bioinformatics**
- Biotechnology
- **Human Biology**
- **Applied Data Science**
- Data Science and Engineering

- Biomedical Engineering
- Computer Engineering
- Health Engineering
- Artificial Intelligence
- Software Application **Techniques**

Master's degrees

- **Omics Data Analysis**
- **Automation and Robotics**
- Bioengineering
- **Bioinformatics**

Universitat Autônom

见

UNIVERSITAT

UPC

laSalle

- **Bioinformatics and Biostatistics**
- Bioinformatics for Health Sciences
- Advanced Biotechnology

- Biomedical Data Science
- Medical Image Computing
- Cybersecurity
- Biomedical Engineering
- Computational Biomedical Engineering
- Big Data Engineering
- Computer Engineering
- Fundamentals of Data Science

Catalan universities that provide education and training in digital health





Universitat de Lleida

Universitat









LLULL



UPC





UAB

Master's degree program in Artificial Intelligence and Big **Data in Health**

Master's degree program in Health Data Science

Postgraduate program in Digital Health Leadership

Master's degree program in eHealth

Specialized courses of study in digital health





Source: the authors **Catalonia**Connects

^{*} inter-university master's degree program led by the URV

Digital health initiatives in Catalonia

SISCAT Information Systems Master Plan

This identifies, approves and executes the opportunities to improve care by means of the application of ICT

My Health

A personal digital health space that makes it easier for users to view their medical history

Health service integrator iS3

An interoperability technological platform for the management of care processes

Access to innovation program in the Catalan health system (PASS)

Initiative to transform the way innovations and technologies reach the Catalan healthcare system



Shared clinical history

A tool that groups together documents containing data and information on a person's status throughout their care process

Health/Al program

A person-centered program for the promotion and development of AI in the Health System

Center for clinical validation of digital solutions

It supports the co-design, testing and validation of innovative healthcare technologies in hospital settings

Comprehensive cybersecurity model for the healthcare sector

Tool to promote cybersecurity and reduce exposure to current cyberthreats in the healthcare environment

Electronic prescriptions

A tool that enables the integrated management of pharmaceutical services

Public procurement of innovation

A public procurement instrument that promotes innovation as a key instrument

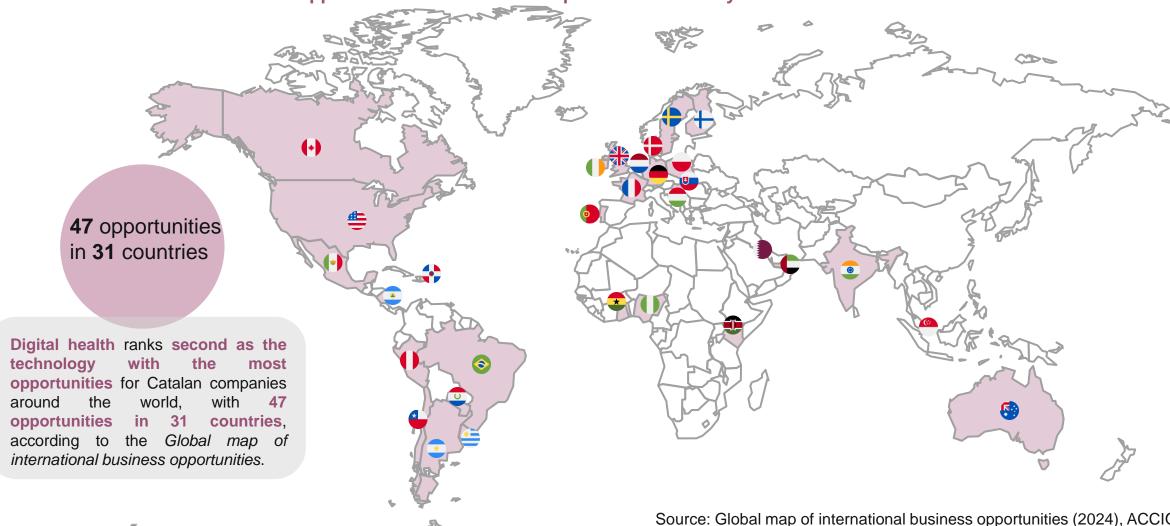
Capture and integration of clinical images

A service aimed at healthcare professionals that enables them to add clinical photographs to their patients' clinical histories





Main markets with business opportunities for Catalan companies identified by ACCIÓ:







Source: Global map of international business opportunities (2024), ACCIÓ

Strengths



Strong business fabric



Pioneering health system and ecosystem



Global benchmark research and hospital system



Highly dynamic, varied and expanding network of startups

Weaknesses



providers





Network of small-Human factor: Validation models scale technology need for different profiles

Interoperability

Opportunities



Leadership in initiatives and projects



Adoption of locally developed technologies



in the health system. **Public** procurement of

innovation.

Improvements



Creation and development of solutions for different challenges and therapeutic areas.

Threats



Resistance to change



Lack of training in technological knowledge



Lack of significant technological investment



Emergence of major technological and pharmaceutical firms in the world of health





Digital health in Catalonia

6. Digital health technological ecosystem in Catalonia











1160 companies (41.5%)

23 companies (6.0%)

112 companies (3.1%)











Source: ACCIÓ CataloniaConnects

Catalan companies incorporate the latest technological innovations: artificial intelligence



160 companies, **41.5%** of all digital health companies



Note: partial illustrative image.



Artificial intelligence is transforming health, turning data into accurate diagnoses, algorithms into personalized treatments and technology into more agile processes, with Catalan companies leading this revolution.

Main applications:



Source: ACCIÓ CataloniaConnects

Catalan companies use the latest technological innovations: immersive technologies



23 companies, 6.0% of all digital health companies



Immersive technologies such as virtual reality and augmented reality improve treatments, rehabilitation andeducation and training. In Catalonia, innovative companies are promoting pioneering solutions that are transforming medical care.

Main applications:

Digital therapies









Simulation and training









Note: partial illustrative image.





Source: ACCIÓ **Catalonia**Connects



Medical robotics is revolutionizing surgeries and patient care, with high-precision surgical robots, care robots and exoskeletons, with Catalan companies developing cutting-edge solutions.

12 companies, 3.1% of all digital health companies

















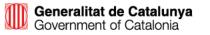












Femtech

24 companies



#ReproductiveHealth
#PelvicFloor
#BreastCancer



Note: partial illustrative image.





Agetech

25 companies



#NursingCare #ActiveAging #RemoteTracking



Pediatech

31 companies



#Newborn #ImmersiveTherapies #CognitiveStimulation



Source: ACCIÓ CataloniaConnects

Digitalization of health services in Catalonia

The digitalization of public health services in Catalonia is becoming consolidated after the boom which resulted from the COVID-19 pandemic



My Health

Personal digital health space that allows the user to interact with the Catalan health system in a non-face-to-face manner.

Users who have accessed it:

3.4 million

744% (2019)

Total visitors:

23.1 million

393% (2019)

Calls to 061

Telephone assistance service to resolve issues, queries or health problems.

2.8 million

14.7% (2019)

eConsulta

Non-face-to-face care service that allows the user to send consultations to both primary care and specialty professionals.

Use by users:

24.3%

22.8 p.p. (2019)

Use by professional staff:

93.4%

▲ 35.0 p.p. (2019)

Shared clinical history

Online documents that ensure continuity of care and improve coordination among health professionals.

50.5 million

29.1% (2019)

Note: the data refer to 2023





Source: Catalan Health Service

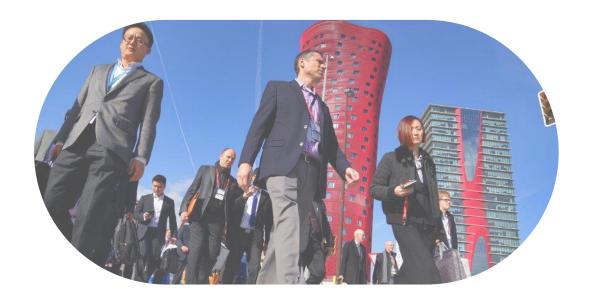
CataloniaConnects

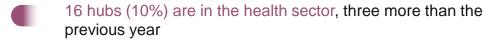
160 technological hubs of foreign companies

+9% with respect to the previous year

6,200 new jobs

Economic impact of €2.879 billion





The health sector contributed the most to employment in 2024, with 1,369 new jobs.

Technological hubs in Catalonia that focus on digital health

























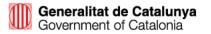














Foreign investment in the health sector in Catalonia

Catalonia has been the second-ranked region in the world in attracting foreign investment projects in digital health in the last five years.

Catalonia is the leader in Spain as a whole, with 55% of total projects, 69% in invested capital and 69% in new jobs created.



Prominent companies investing in Catalonia (2020-2024)











Ranking of technological RDI in the health sector by world regions and by autonomous communities of Spain (2020-2024)

By invested capital worldwide	By number of projects worldwide	By Autonomous Communities in Spain
1. Massachusetts	1. Massachusetts	1. Catalonia
2. Catalonia	2. Ireland	2. Andalusia
3. Telangana	3. Telangana	3. Madrid
4. California	4. California	4. Basque Country
5. Ontario	5. Catalonia	5. Castilla-La Mancha





AstraZeneca plans to expand its development and research center in Barcelona and increase its initial investment to €1.3 billion by 2027. It plans to create 1,500 new jobs in 2025. This investment has received the support of ACCIÓ.





Source: the authors, based on fDi Markets

7. Digital health entrepreneurial ecosystem in Catalonia

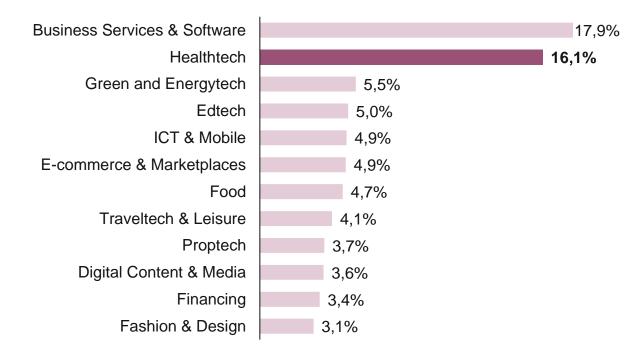




Catalan startups that focus on health technologies

The health technology sector brings together the largest number of startups in Catalonia, with 369 startups accounting for 16.1% of the total

Sectoral distribution of startups (%)



Note: this chart has been drawn up using the data of the 2,285 startups in the directory that possessed this information. The analysis has been conducted with the main sector of each company.

^{*} Sector introduced in 2024





Sector	Number of startups
Business Services & Software	408
Healthtech	369
Green and Energytech	125
Edtech	115
ICT & Mobile	113
E-commerce & Marketplaces	112
Food	108
Traveltech & Leisure	94
Proptech	84
Digital Content & Media	83
Financing	78
Fashion & Design	70
Hardware	66
Sustainable Mobility	65
Gaming	58
Community & Social Network	55
Sports	55
Logistic Tech	54
Agriculture	46
Adtech	44
Beauty & Personal Care	44
Legaltech	30
Musictech	6
Govtech (*)	3
Total	2,285

Source: Barcelona & Catalonia Startup Hub, 2024, ACCIÓ

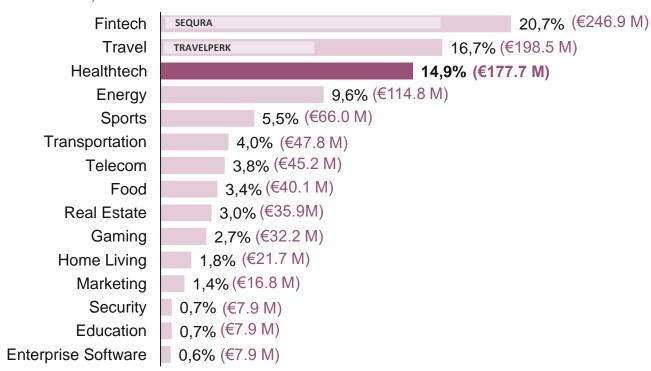
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Venture capital investment attracted by Catalan startups in 2024

The health technologies sector attracted 43% more investment than in 2023 (from 24.1 to 177.7 million euros) and stays among the main ones with 14.9%.

The two mega rounds in 2024 greatly increased the investment attracted by the *fintech* sector (20.7% of the total) and *traveltech* sector (16.7%).

Venture capital investment attracted by sectors (2024, % and investment volume in millions of €)



Note: the chart has been drawn up in accordance with Dealroom's sectoral category







Barcelona, 5th-ranked European city in venture capital rounds closed by digital health startups

- Barcelona is the 5th-ranked European city in venture capital rounds closed by digital health startups and ranks 10th in terms of worth of rounds between 2020 and 2024.
- Specifically, 27 startups have raised 176 million dollars in 50 rounds of funding.

Main startups in Barcelona



















Al application 13 startups 25 rounds €136 M 48% 50% 77%

Top 10 European cities by completed funding rounds in artificial intelligence startups (2020-2024)



1	London	
2	Berlin	
3	Paris	
4	Stockholm	
5	Barcelona	
6	Munich	
7	Amsterdam	
8	Vienna	
9	Cambridge	
10	Madrid	





Source: the authors, based on Crunchbase

Digital health in Catalonia

8. Digital health in Catalan hospitals





Digital health in hospitals in Catalonia

Generalitat de Catalunya

Government of Catalonia

Catalan hospitals have incorporated digital health solutions in recent years. According to a questionnaire answered by five Catalan hospitals, these are the main conclusions:

Embedded technologies Telemedicine Artificial intelligence Virtual Reality 3D printing Internet of things Robotics in surgery Voice assistants Management platforms in surgeries Help with decision-making Process robotization Data ecosystem Omics data analysis

Opportunities

- Process optimization and system efficiency
- Personalized and predictive medicine
- Patient empowerment
- Transformation of healthcare models
- Improving coordination between healthcare levels
- Healthcare system sustainability

Barriers

- Budgetary limitations
- Interoperability and technical difficulties
- Cultural barriers and resistance to change
- Strict regulations
- Ethical and safety risks
- Difficulty in moving on from pilot testing to actual implementation

Acceptance of professionals and patients

- Positive acceptance based on the value provided
- Participation of patients and professionals in development
- 3. Scalability and large-scale adoption challenges
- Need for training for professionals and patients
- Difficulties in adoption within the public healthcare system
- High patient satisfaction when technology works well



Source: questionnaire carried out in hospitals



9. Success stories







REIG JOFRE - DYCARE are teaming up to offer a personalized digital rehabilitation platform for remote exercises that uses artificial intelligence.



DOCTORALIA offers a new Al-based virtual assistant designed to optimize administrative management in medical consultations.



STARLAB has created a device that enables early detection of Alzheimer's, through a helmet that uses neurotechnology and artificial intelligence.



EUDAIMONIA is a development and innovation project in robotics and artificial intelligence in the field of residential care for the elderly.

NIXI FOR CHILDREN uses virtual reality to help children Nixi for children and their families cope with medical treatments with less fear.





VRAIN MEDICAL has created software that allows doctors to visualize MRIs or CT scans in immersive and manipulable 3D with the help of mixed reality glasses.



BARCELONA CITY COUNCIL has issued a tender for the purchase of 600 social robots (ARI) to improve home care within the framework of a telecare pilot project.





EURECAT has developed with the **SAINT JOHN OF** GOD HOSPITAL the social care robot Jana, a robot that connects with people to facilitate communication in clinical environments.







MINDSYST is an innovative data platform in mental MindSyst Couster health, aging and neuroscience that facilitates Albased analysis and personalized solutions.





PAI-HF CARDIOVASCULAR ECHO DATA is a platform with an OpenEHR structure that will enable the interoperability of databases of patients with heart disease.

Hospital del Mar Barcelona

HOSPITAL DEL MAR offers digital tools and solutions for remote patient monitoring (telemonitoring), for example in the fields of congestive heart failure and rehabilitation in musculoskeletal processes.



SJD Sant Joan de Déu Barcelona - Hospital

HOSPITAL LIQUID, is Saint John of God's Hospital project for the digitalization of healthcare thanks to a range of digital tools and solutions.



Kala KALA HEALTH, is an app developed by Qualud and Kala Health Menopause to support women throughout **Qualud.** perimenopause, menopause and post-menopause.





DANA is an app designed to help women during Dana motherhood, pregnancy and postpartum, providing support for mental health and comprehensive well-being.



MEDIKTOR has acquired SENSELY, a leading provider of digital health services and pioneer in the development of an empathy-based conversation platform to support hospitals and insurers.



RUTISAFENET is the innovative digital tool developed by HUGTIP, IGTP and QUALUD to monitor patients with acute mental disorders.





369 startups in health technologies, 16.1% of the total, which have attracted €178 million of investment in venture capital, that is,14.9%.

Barcelona ranks as the 5th European city in closed venture capital rounds for digital health startups.

Local business ecosystem

386 companies engaged in digital health, a growth of 16.6% with respect to 2024 and 44.6% more than 2022.



Turnover of **€633 million** (+6,9%) and **5,302 jobs** (+10.2%).





160 companies (41.5%) develop Al tools, 23 companies (6.0%) immersive technologies and 12 (3.1%) medical robotics companies.

24 companies specializing in femtech, 25 in agetech and 31 in pediatech

A highly entrepreneurial oliva 2 INBRAIN ecosystem (+) mediktor (M) IOMED TOPDOCTORS' ELEM medi⊕uo Blue Box

No. 2 region in the world in invested capital in foreign technological investment projects in the health sector (2020-2024).

16 technological hubs of foreign companies.









sanofi



Attractive for international companies



Broad support ecosystem

Technology centers, hospital research centers, universities, incubators, associations, networks, clusters, public institutions, etc.





Parc Taulí 5



SJD Sant Joan de Déu



















We would like to express our gratitude for the availability, provision of data and information for drawing up this technology report on digital health in Catalonia



























Thank you!



https://catalonia.com/key-industries-technologies/technologies/digital-health-in-catalonia



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