

Digital health in Catalonia

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



Generalitat de Catalunya
**Fundació TIC Salut
i Social**

Barcelona, May 2025



Generalitat de Catalunya
Government of Catalonia

CataloniaConnects

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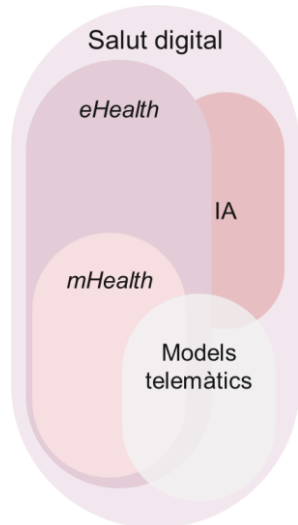
Executive summary of digital health worldwide

4

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



Fields of digital health



Technological solutions

Digital therapies

mHealth

ICT applied to health

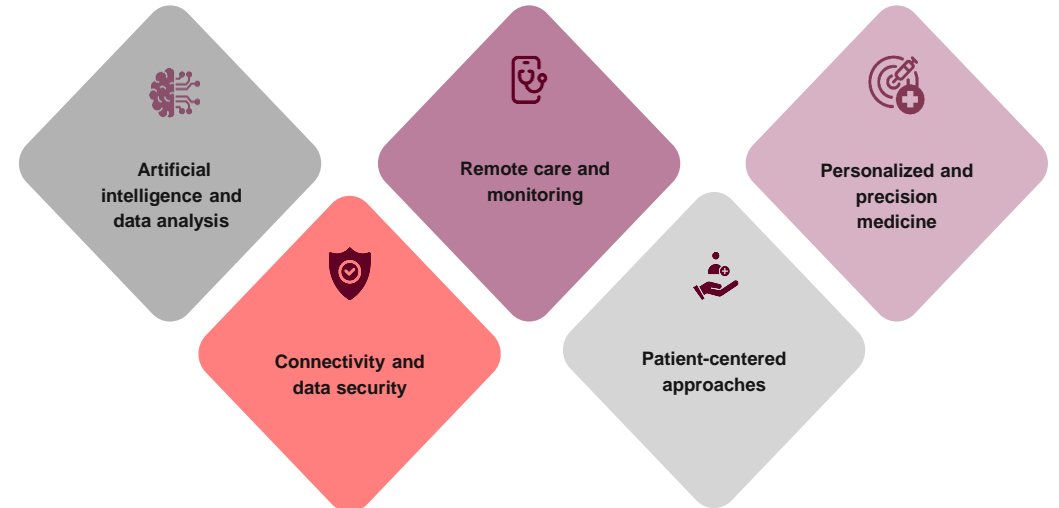
Personalized medicine

Telemedicine

Devices, sensors and wearables



Digital health trends



Global market

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.

Executive summary of digital health in Catalonia

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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%).



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



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.

CataloniaConnects



160 companies (41.5%) develop AI tools



23 companies (6.0%) develop immersive technologies



12 companies (3.1%) develop medical robotics

24 companies specialize in *femtech*

25 companies specialize in *ageteck*

31 companies specializing in *pediateck*

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:

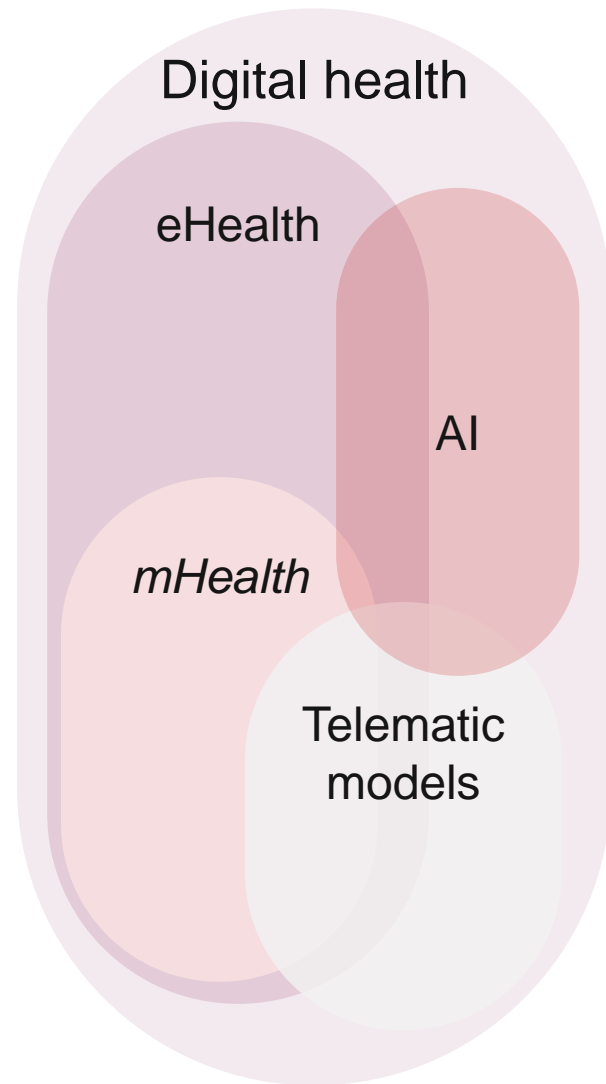
“The tools and services that use ICT to improve the prevention, diagnosis, treatment, monitoring and management of diseases and health conditions and monitor and manage lifestyle habits with an impact on people’s health”



Sources: European Commission, World Health Organization

Digital health concepts

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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. AI has great potential to improve people's health.

Technological solutions

Technology can help health in many different ways



Diabetes apps that reduce risk events

Digital therapies

Mental health solutions that reduce symptoms of depression



Nutrition and diet apps

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

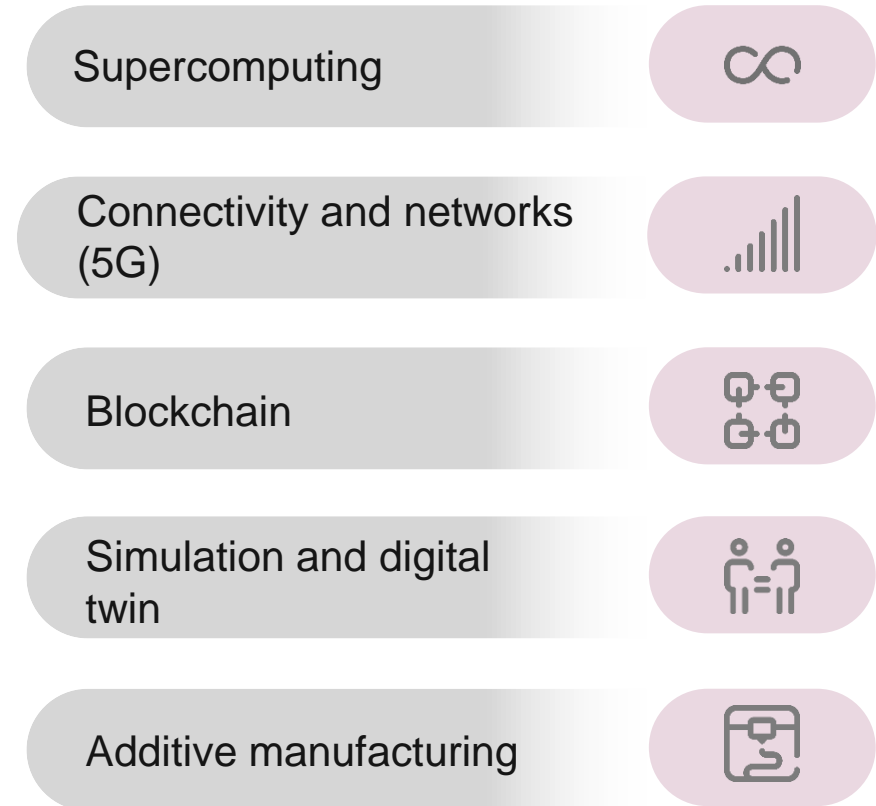
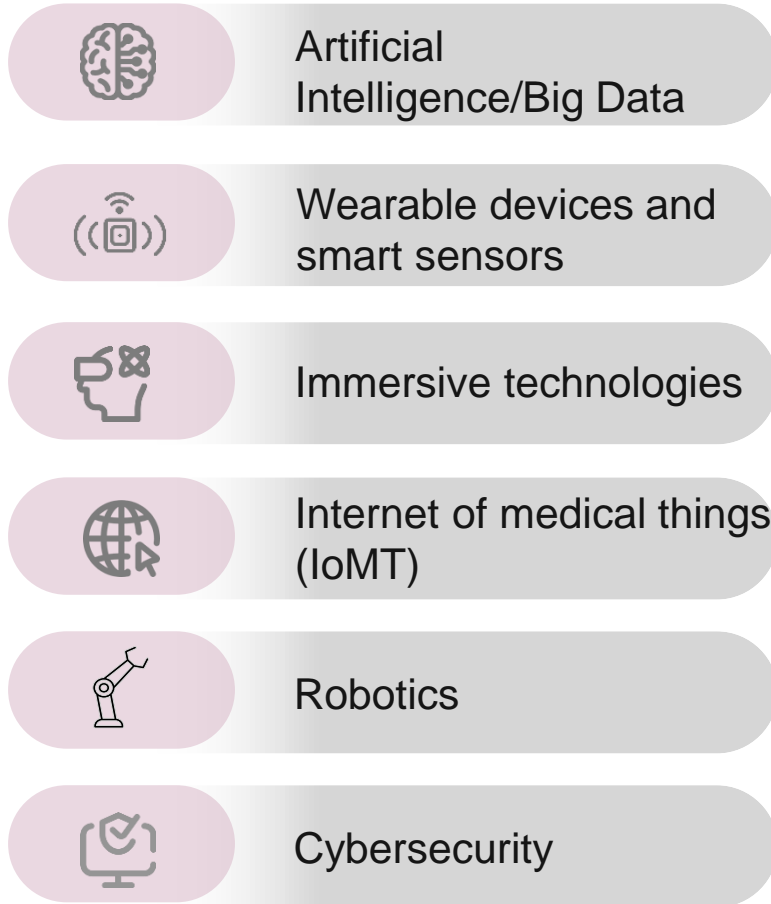
Remote health programs

Sources: Techtarget, European Commission and Digital Therapeutics Alliance

Convergence with other technologies

10

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

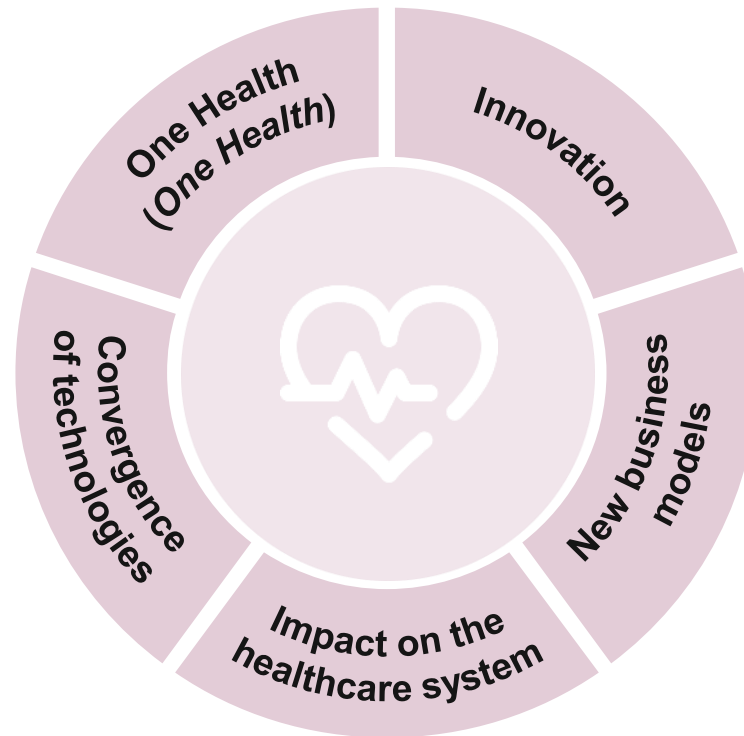


Importance of digital health

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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 inter-dependent. 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.

Digital health in Catalonia

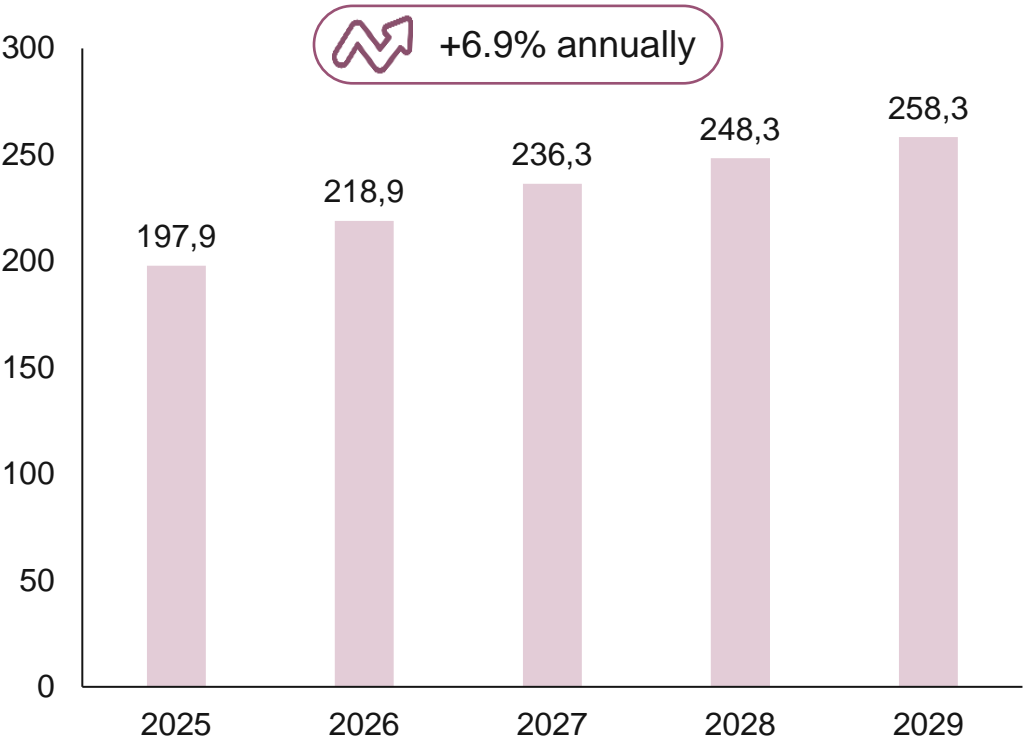
2. World digital health market

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




Adoption of new technologies applied to health




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

World digital health market, by countries

14

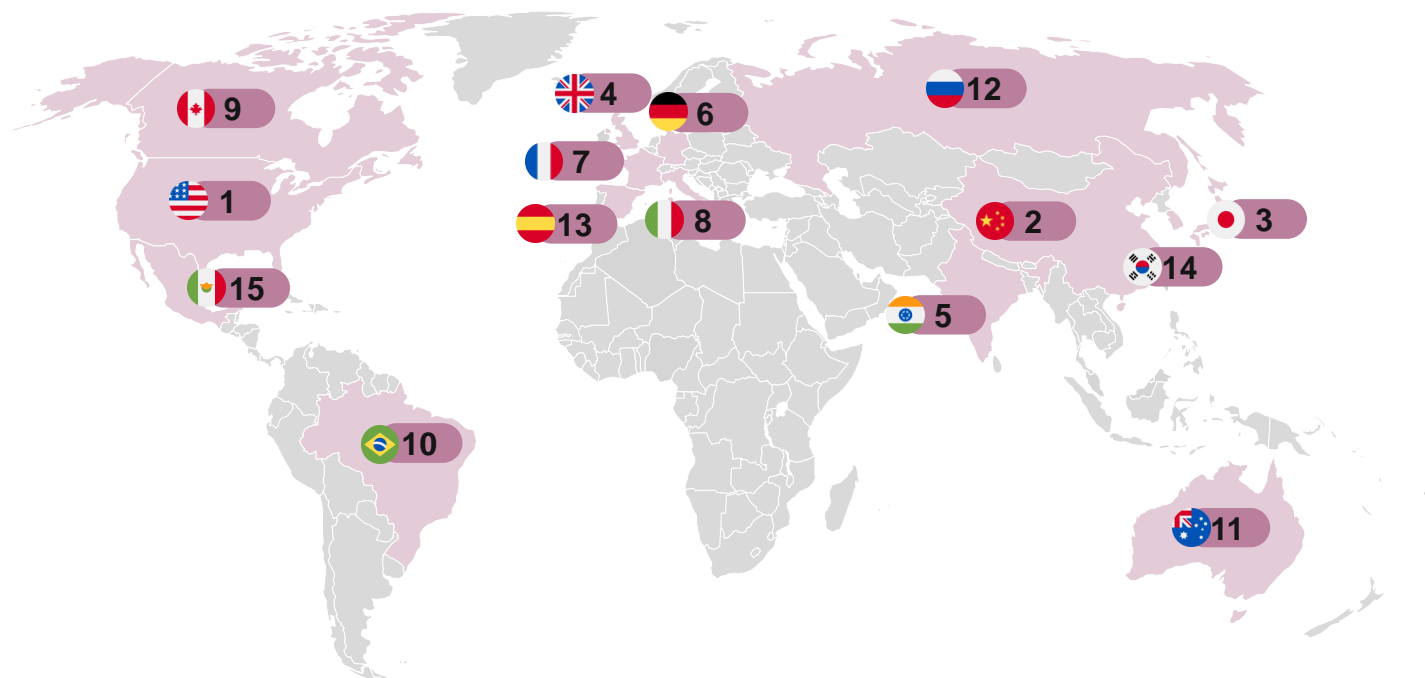
The **United States** leads the world in digital health turnover



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%

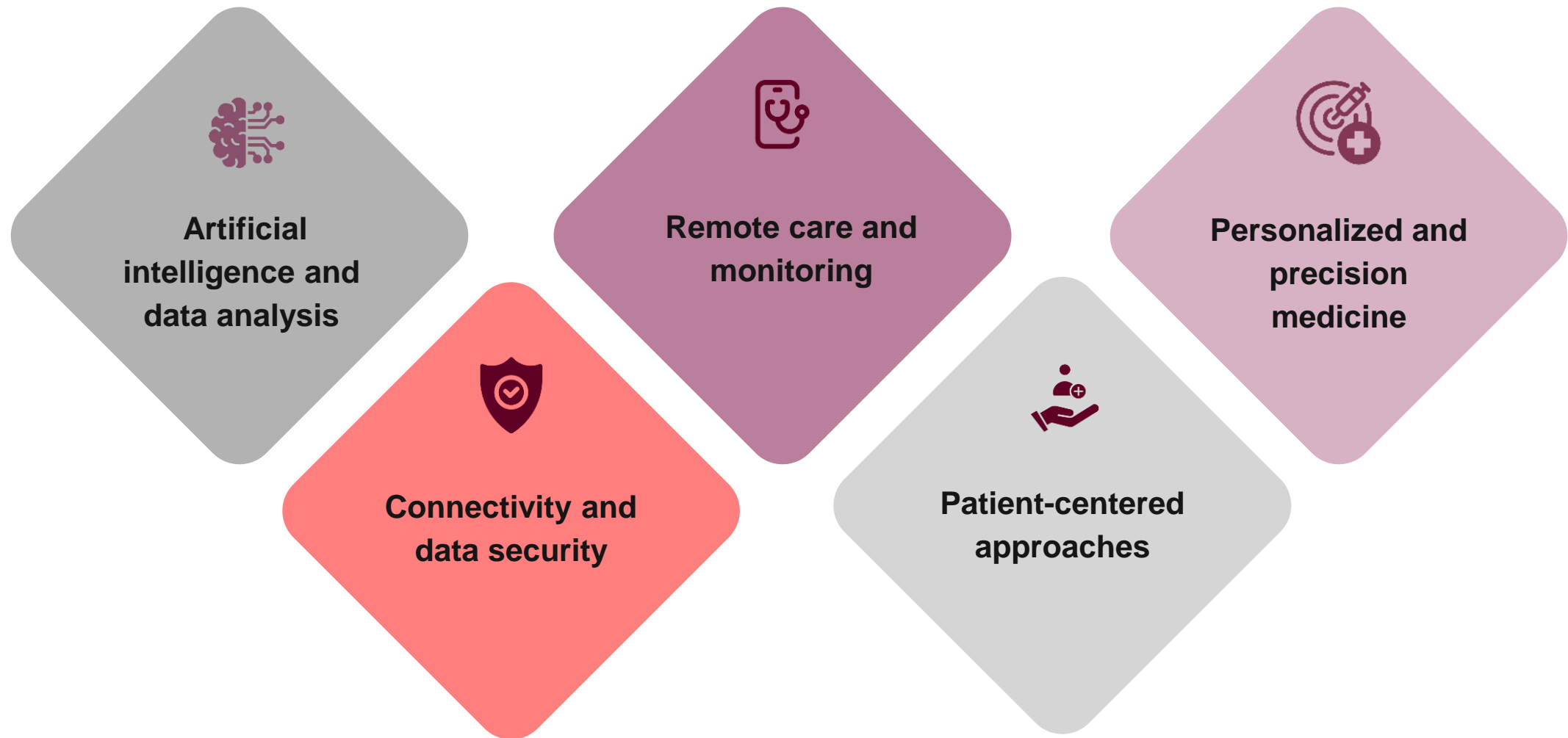
Global leading companies in digital health investment

15



With presence in Catalonia

3. Trends, opportunities and challenges of digital health



Opportunities



Better access
to medical
care



Patient
participation



Improved efficiency
and cost reduction



Personalized
medicine



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

4. Initiatives related to digital health

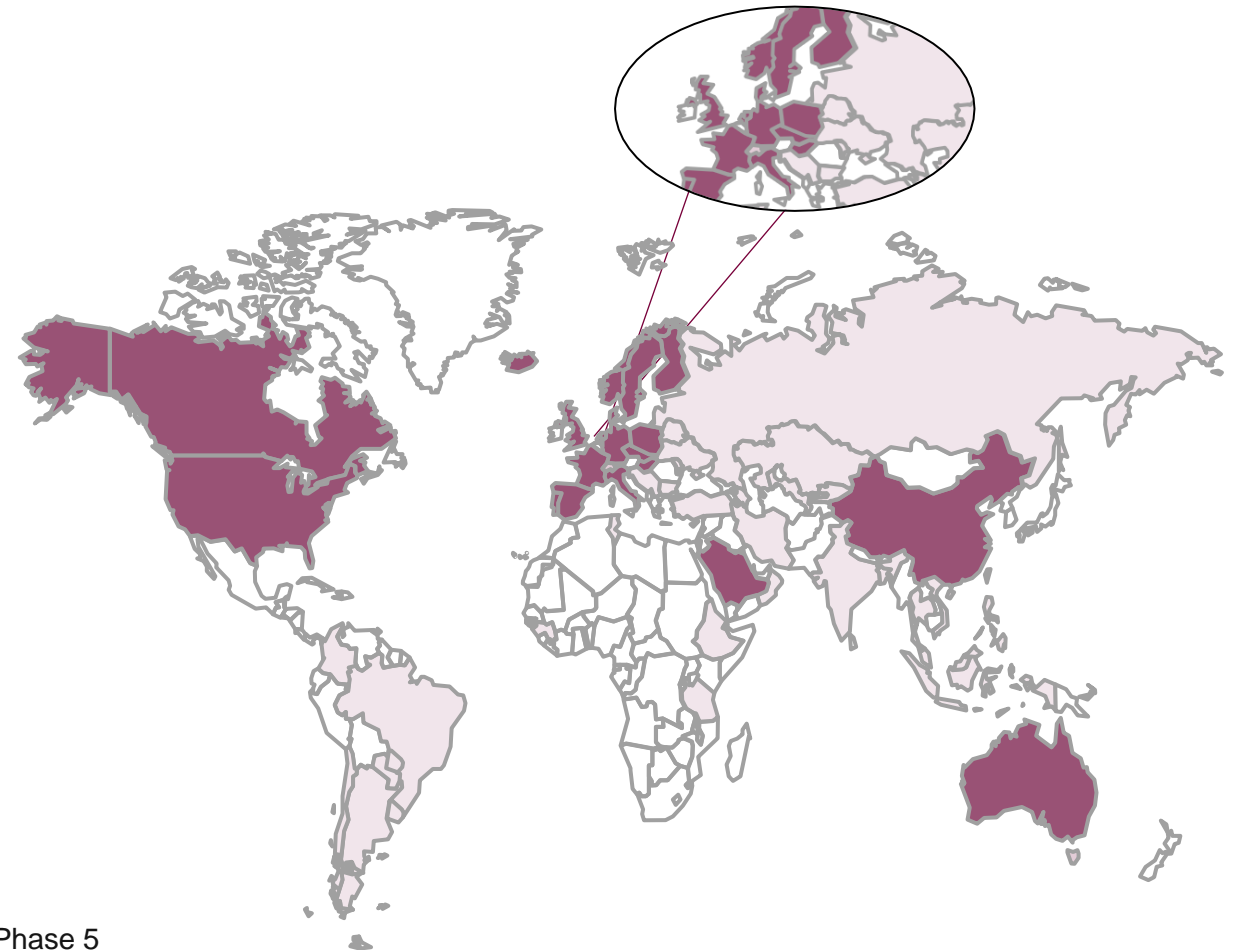
International initiatives

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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.



- Phase 5
- Phase 4
- Phase 3 or lower

Initiatives in the European Union

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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.

Spain's National Digital Health Strategy

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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**.

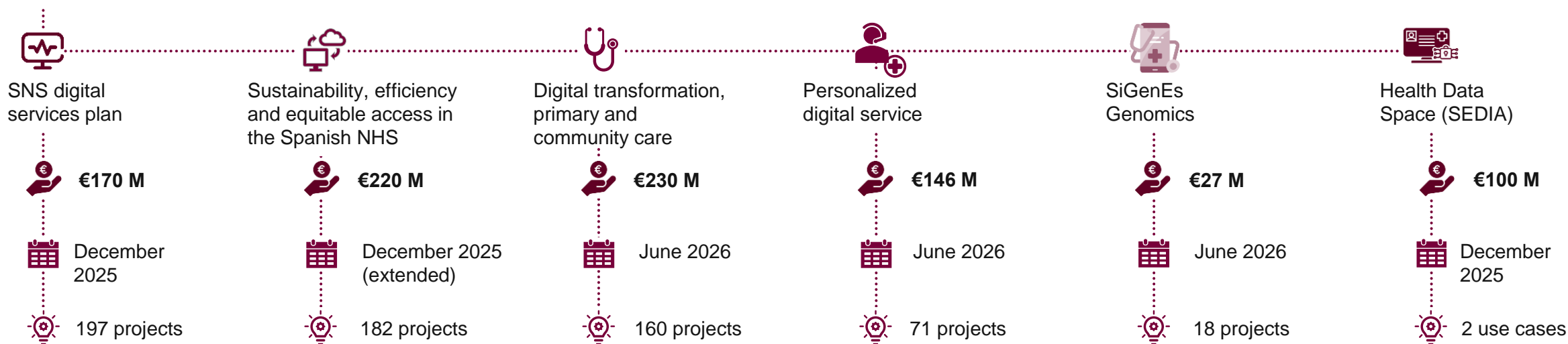


3 Strategic goals

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*

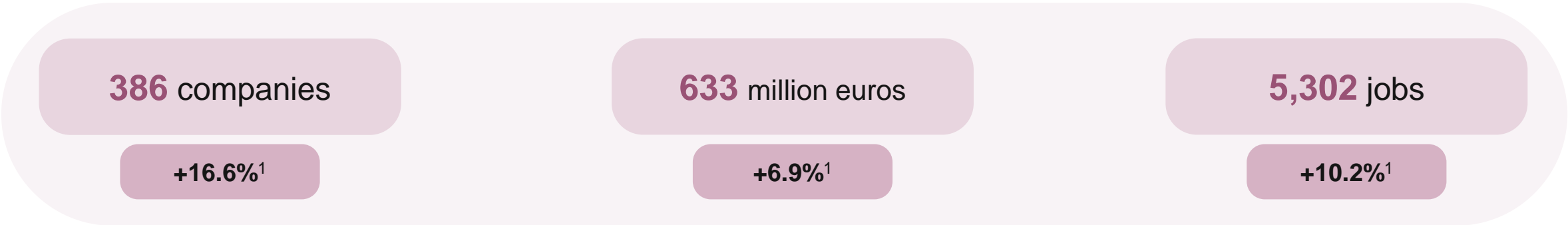
€893 M



Digital health in Catalonia

5. Digital health in Catalonia

Corporate mapping of digital health in Catalonia (I)



-  92.5% are SMEs.
-  26.9% have a turnover of more than one million euros and 3.1% more than 10 million euros.
-  63.0% have existed for less than 10 years.
-  55.7% are startups.
-  15.5% are exporters.
-  13.0% are subsidiaries of foreign firms.

Key figures by business segment:

Clinical tools	17.9%
Digital therapies	13.0%
Diagnoses	9.8%



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

¹ growth in comparison to mapping data drawn up in 2024.
Note: the data refer to 2025; the turnover and number of employees data, to 2023 (or latest available).

Corporate mapping of digital health in Catalonia (II)

25

R&D



Genomics



Medical robotics



Diagnoses



Medical decision support



Clinical tools



Digital therapies



Simulation and training



Health services



Apps and marketplaces



Logistics and others



Technological consultants

Design of apps



Product engineering and technological services



Cloud services



Consulting services



Location of Catalan digital health companies

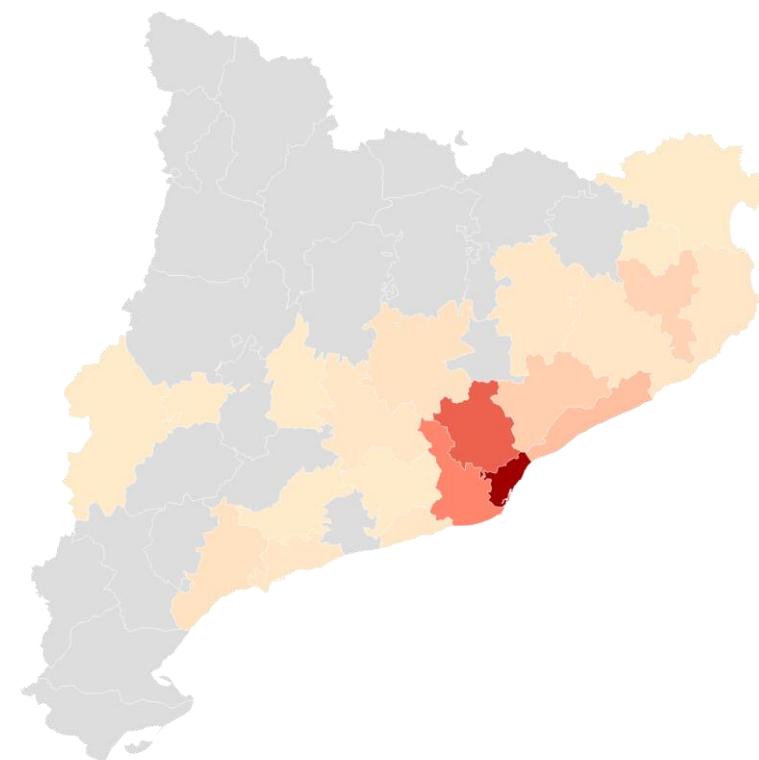
26

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).

Distribution of digital health companies by counties

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%



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

Agents of the digital health ecosystem in Catalonia

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Research and technological centers and hospital research institutes



Universities and training centers



Acceleration programs and incubators



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

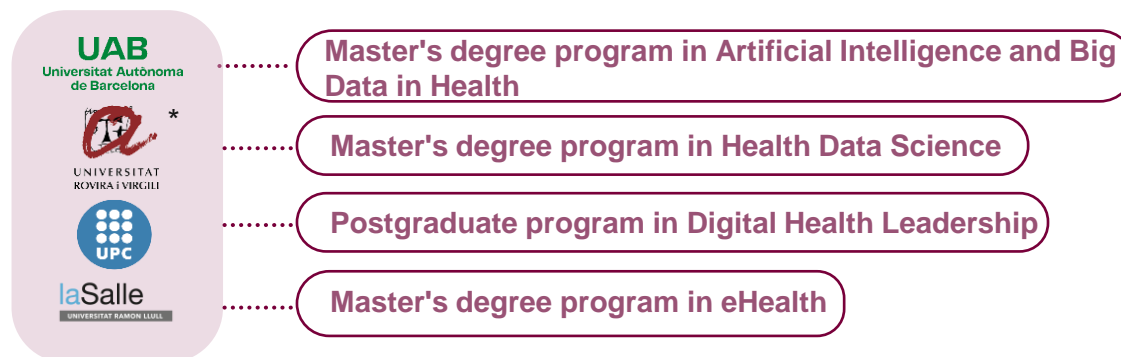
Master's degrees

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



Specialized courses of study in digital health



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

Digital health initiatives in Catalonia

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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/AI 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

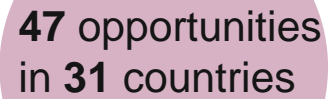
A public procurement instrument that promotes innovation as a key instrument

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:



Digital health ranks second as the technology with the most opportunities for Catalan companies around the world, with **47 opportunities in 31 countries**, according to the *Global map of international business opportunities*.

SWOT of digital health in Catalonia

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Strengths



Strong business fabric



Pioneering health system and ecosystem



Global benchmark research and hospital system



Highly dynamic, varied and expanding network of startups

Opportunities



Leadership in initiatives and projects



Adoption of locally developed technologies



Improvements in the health system.
Public procurement of innovation.



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

Weaknesses



Network of small-scale technology providers



Human factor: need for different profiles



Validation models



Interoperability

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

Catalan companies use the latest technological innovations

33



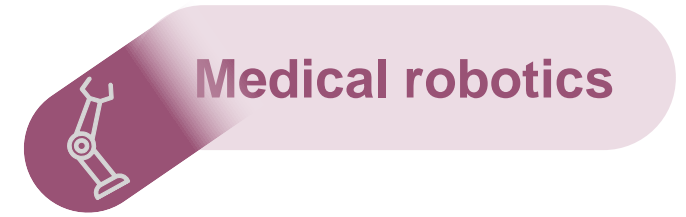
Artificial intelligence

160 companies
(41.5%)



Immersive technologies

23 companies
(6.0%)



Medical robotics

12 companies
(3.1%)



Catalan companies incorporate the latest technological innovations: artificial intelligence

34

Artificial intelligence

160 companies, 41.5% of all digital health companies

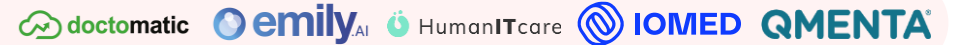


Note: partial illustrative image.

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:

Clinical tools



Diagnoses



Medical decision support



Digital therapies



R&D



Technological consultants



Catalan companies use the latest technological innovations: immersive technologies

35

Immersive technologies

| 23 companies, 6.0% of all digital health companies



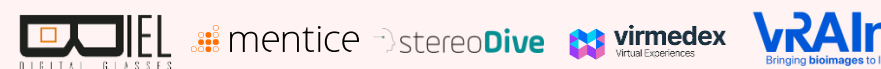
Immersive technologies such as virtual reality and augmented reality improve treatments, rehabilitation and education and training. In Catalonia, innovative companies are promoting pioneering solutions that are transforming medical care.

Main applications:

Digital therapies



Simulation and training



Note: partial illustrative image.

Catalan companies use the latest technological innovations: medical robotics

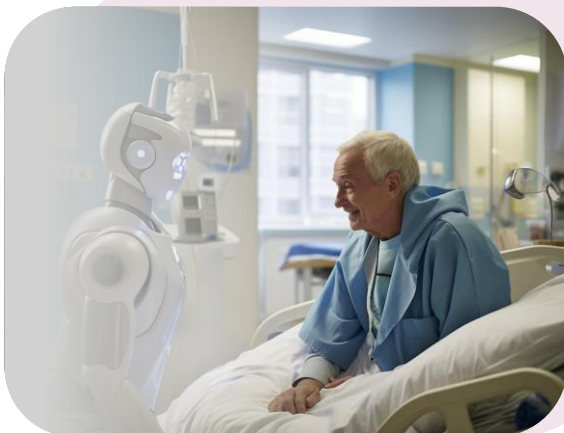
36

Medical robotics



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



Catalan companies respond to the needs of different population profiles

37

Femtech

24 companies



#ReproductiveHealth

#PelvicFloor

#BreastCancer



Agetech

25 companies



#NursingCare

#ActiveAging

#RemoteTracking



Pediatech

31 companies



#Newborn

#ImmersiveTherapies

#CognitiveStimulation



Note: partial illustrative image.

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:



Total visitors:



Calls to 061

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



eConsulta

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

Use by users:



Use by professional staff:



Shared clinical history

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



Note: the data refer to 2023

Multinational health companies with technology innovation centers in Catalonia

39

160 technological hubs
of foreign companies

+9% with respect to the previous year



6,200 new jobs



Economic impact
of €2.879 billion

16 hubs (10%) are in the health sector, three more than the previous year

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

Technological hubs in Catalonia that focus on digital health

AstraZeneca

Alcura
Dedicated to patient care

ALEXION
AstraZeneca Rare Disease

B|BRAUN



Boehringer
Ingelheim

essity

HARTMANN

NOVARTIS

PromoFarma
By DocMorris

Roche

sanofi

santévet

Teladoc
HEALTH

TOWA

zoetis



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

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

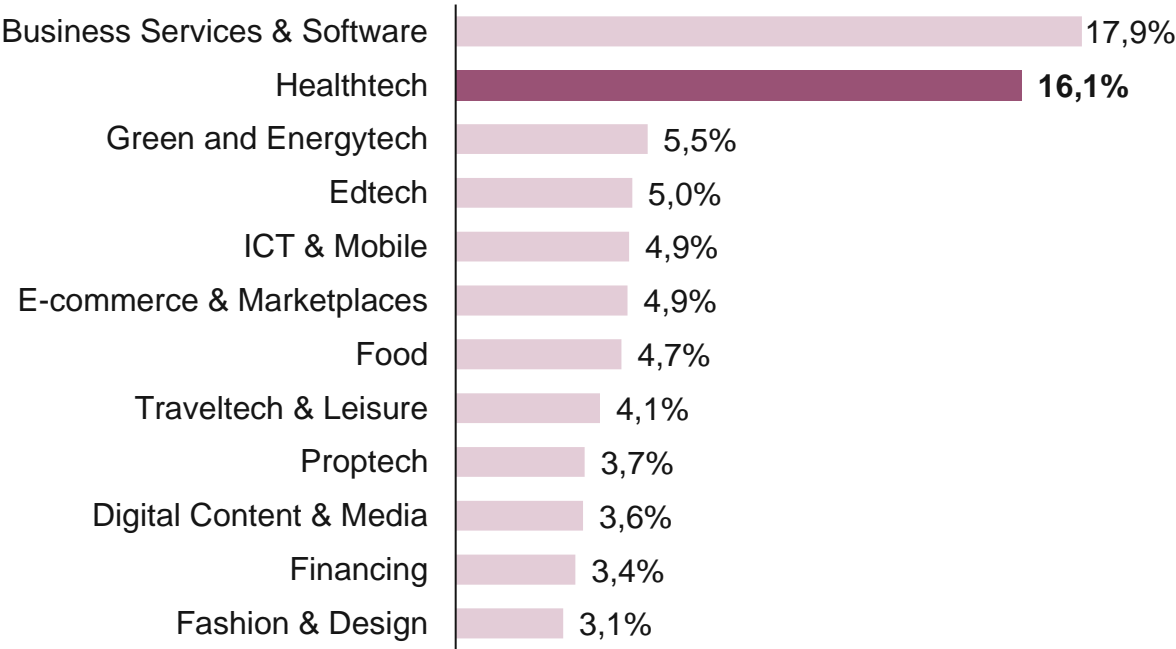
Digital health in Catalonia

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

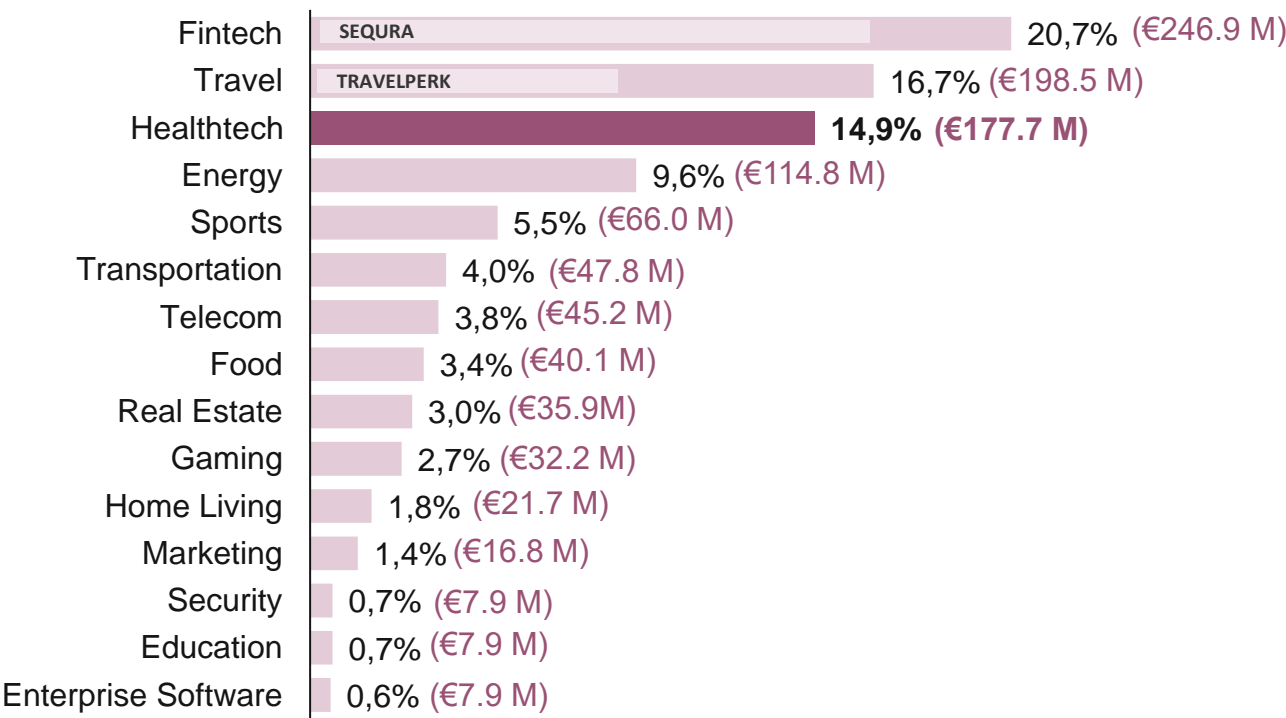
Sector	Number of startups
Business Services & Software	408
Healthtech	369
Green and Energytech	125
Edtech	115
ICT & Mobile	113
E-commerce & Marketplaces	112
Food	108
Traveltech & Leisure	94
Proptech	84
Digital Content & Media	83
Financing	78
Fashion & Design	70
Hardware	66
Sustainable Mobility	65
Gaming	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

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%**.

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



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%).

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

Source: Dealroom

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.

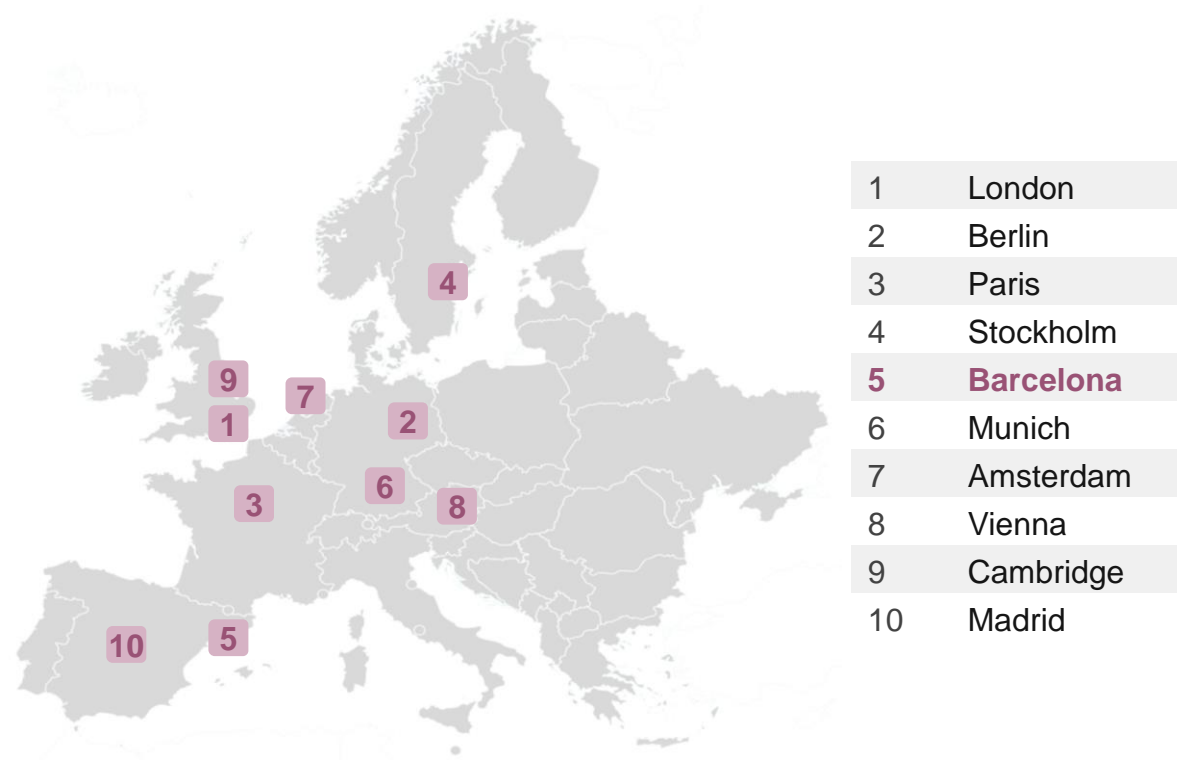
Main startups in Barcelona



AI application

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

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



Source: the authors, based on Crunchbase













8. Digital health in Catalan hospitals

Digital health in hospitals in Catalonia

46

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

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

 Corporació de Salut del Maresme i la Selva

 Consorci Sanitari Alt Penedès-Garraf

 Hospital del Mar Barcelona

 SJD Sant Joan de Déu Barcelona - Hospital

 Catalonia.health
Science. Innovation. Business

Source: questionnaire carried out in hospitals

9. Success stories

Success stories in Catalonia in digital health (I)

48



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



DOCTORALIA offers a new AI-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 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.

Success stories in Catalonia in digital health (II)

49



MINDSYST is an innovative data platform in mental health, aging and neuroscience that facilitates AI-based 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 offers digital tools and solutions for remote patient monitoring (telemonitoring), for example in the fields of congestive heart failure and rehabilitation in musculoskeletal processes.



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



DANA is an app designed to help women during 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.

Catalonia, a dynamic digital health ecosystem

50

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.



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.



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%).

Application of technological innovations

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

24 companies specializing in *femtech*, **25** in *agetechnology* and **31** in *pediatechnology*

Attractive for international companies

Broad support ecosystem

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



Interviews with institutions and companies

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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!

More information about the sector and related news:

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



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