

GALEN GROWTH

The Green Promise of Digital Health

NEW YORK CITY
HEALTH
INNOVATION
WEEK 2025

We Power Smarter Digital Health Decisions

Galen Growth operates HealthTech Alpha, the leading AI-powered digital healthcare technology market data, intel and insights platform.

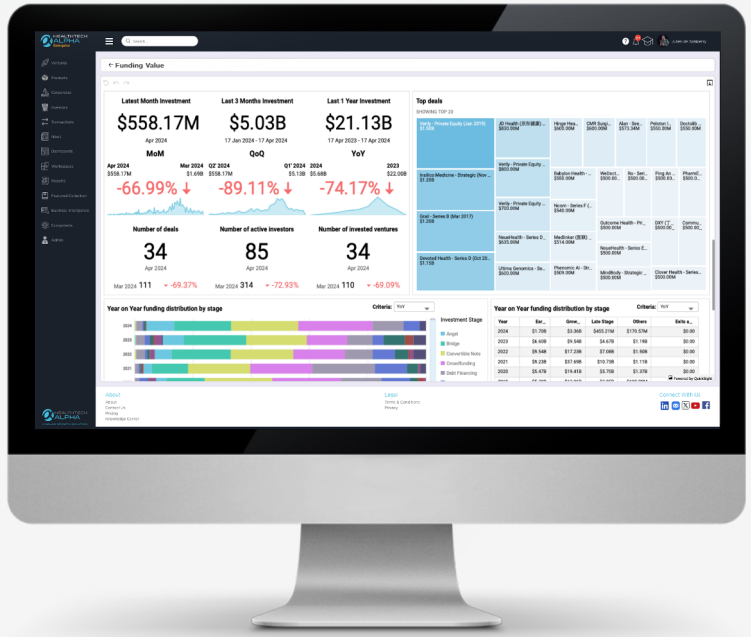
We provide AI-powered Insights to identify trends, scout ventures and benchmark companies.

Our platform, HealthTech Alpha, enables Superior Decision-Making through faster due diligence and better decisions.

We are trusted by leading corporations, investors, and innovators in the digital healthcare technology sector.

Why We Are Here – Given our deep understanding of the digital healthcare technology landscape and our commitment to identifying impactful innovations, we've been invited to share our perspective on the crucial role digital healthcare technology innovation plays / will play in addressing global sustainability challenges.

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HEALTHTECH ALPHA

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The Urgent Need for Sustainable Healthcare

The significant environmental impact of traditional healthcare demands urgent and innovative solutions

Greenhouse Gas

+5%

- The healthcare sector is responsible for around 5% of greenhouse gas emissions worldwide, which is more than the shipping industry.

Carbon Footprint

21%

- The USA is responsible for 21% of total global healthcare emissions.
- In the USA, healthcare is between 8 and 10% of the total carbon footprint.

Health Costs

$820B

- Health costs generated by climate change and pollution are estimated to be US$820 billion per annum.
- Climate change is one of the largest threats to population health.

Hospital Services

1/3

- Hospital services alone can account for over one-third of healthcare sector emissions, highlighting the considerable footprint of inpatient care.

Wastage

30%

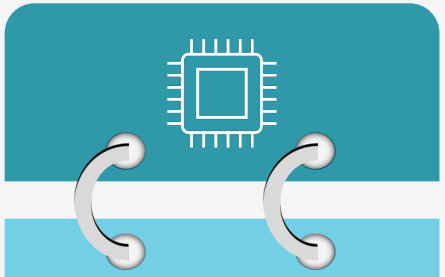
- An estimated 20-30% of healthcare expenditure is wasted (e.g. unnecessary treatments, inefficient processes), amplifying environmental impacts from energy use and material consumption.

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The Green Promise: Digital Health for a Sustainable Future

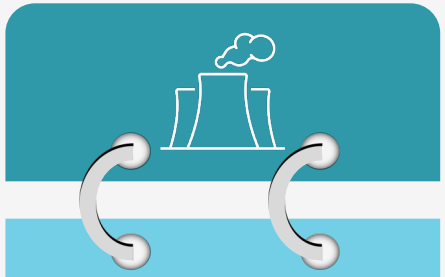
Digital healthcare technology innovation will and needs to play a critical role in the future of planet Earth by reducing the environmental footprint of healthcare while improving patient outcomes and access.



Digital healthcare technology offers a powerful and increasingly recognized tool for improving healthcare access and reducing environmental impacts.



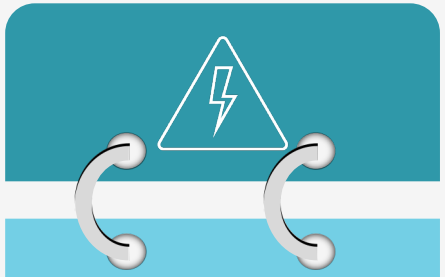
It can significantly cut emissions by reducing the need for travel, decreasing hospital resource use, and reducing waste.



Digital health solutions—telemedicine, remote monitoring, better diagnostics, AI-driven resource use, and consumer-centric tech—are pivotal in decarbonising health systems and improving outcomes.



Galen Growth believes that strategically implemented digital health solutions are essential to move towards a "thrivable" healthcare system, one that minimises harm and improves both human & environmental well-being.



- However, we must be mindful of digital technologies' environmental costs and actively work to mitigate them.
- Some AI systems produce more emissions than an entire car’s lifecycle.

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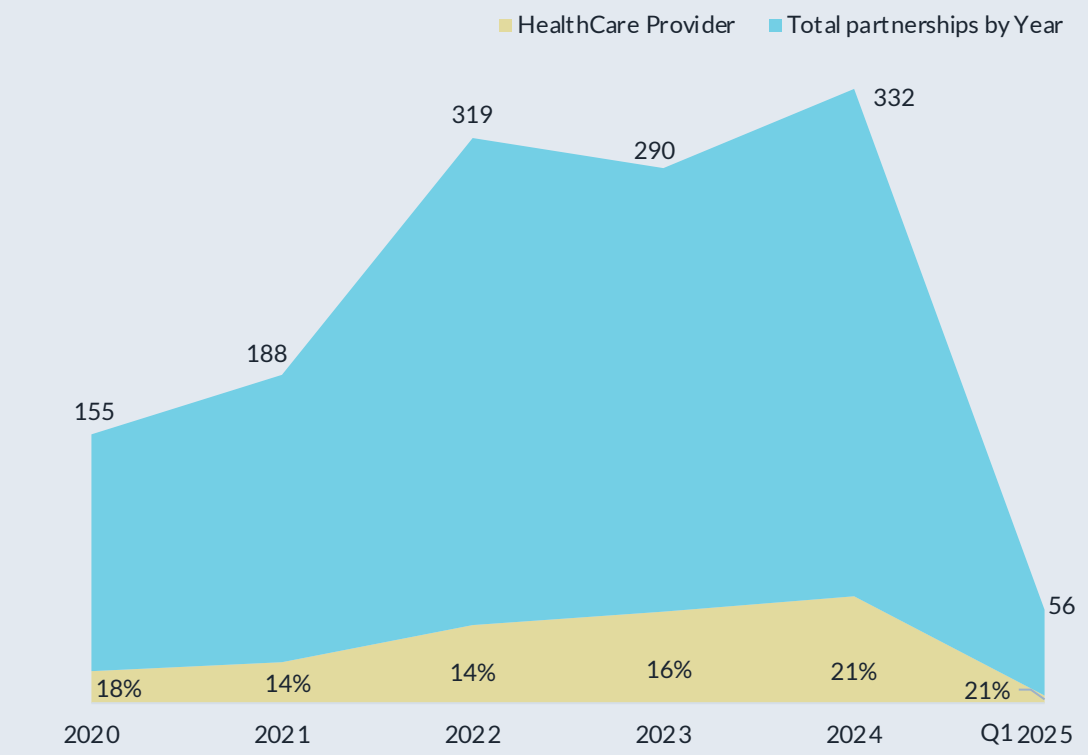
Connecting Virtually, Reducing Emissions Substantially

Frequent in-person care adds travel, resource use, and costs—raising emissions. This burden on patients and providers expands healthcare's carbon footprint, undermining sustainability efforts.

By enabling remote care, digital health reduces travel, lowers facility usage, and speeds access to expertise. Telemedicine—covering teleconsultation, telesurgery, teleradiology, and telepathology—brings specialist care anywhere with minimal environmental impact.

Telemedicine solutions provide remote consultations, tele-surgery, imaging analysis, and pathology services—cutting emissions, improving outcomes, and boosting efficiency.

Global number of partnerships disclosed by year by Telemedicine ventures and the share of partnerships with Health Systems.



Source: HealthTech Alpha

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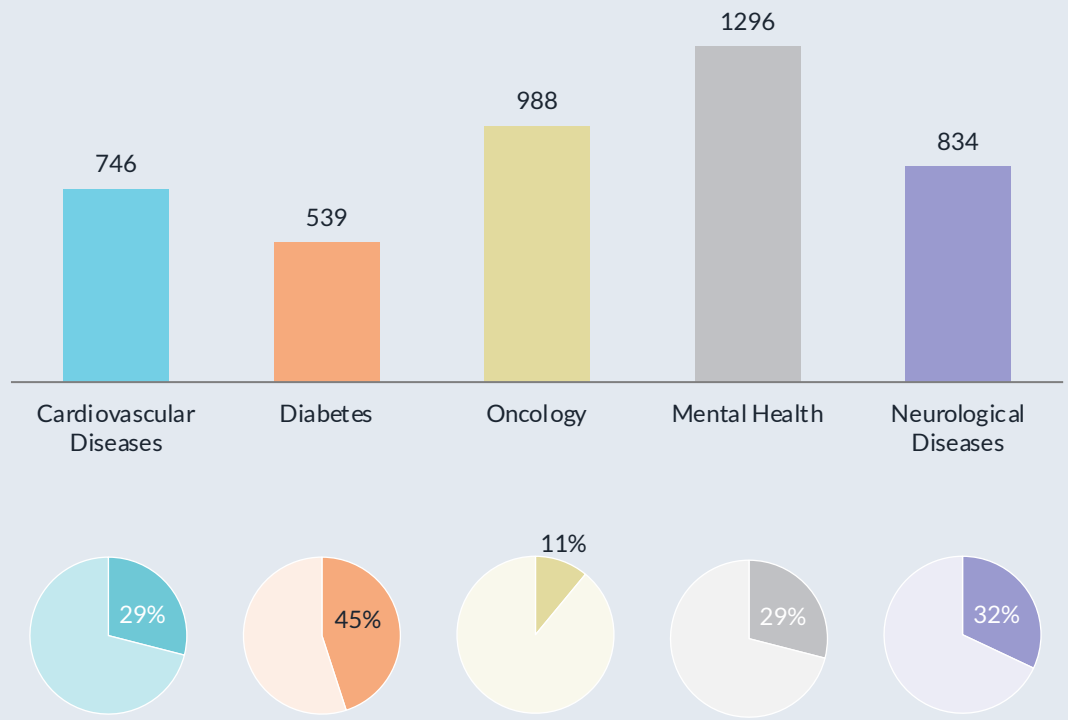
Extending Care Beyond Hospital Walls: Lowering Resource Intensity

Frequent hospital visits, especially for chronic conditions or clinical trials, generate high costs, emissions, and strain on resources. This burden reduces efficiency and can limit patient comfort and access to care.

Connected devices, wearables, and digital platforms let clinicians track patients in real-time—whether managing chronic disease, supporting clinical trial participants, or delivering home healthcare. This cuts unnecessary hospital use, lowers emissions, and ensures timely care.

Remote patient monitoring solutions span chronic disease management, clinical trial oversight, and comprehensive home healthcare services. By shifting care out of hospitals and into the home, these solutions reduce travel, costs, and environmental impact.

Number of private & active digital health startups by chronic condition and share of ventures in Remote Patient Monitoring



Source: HealthTech Alpha

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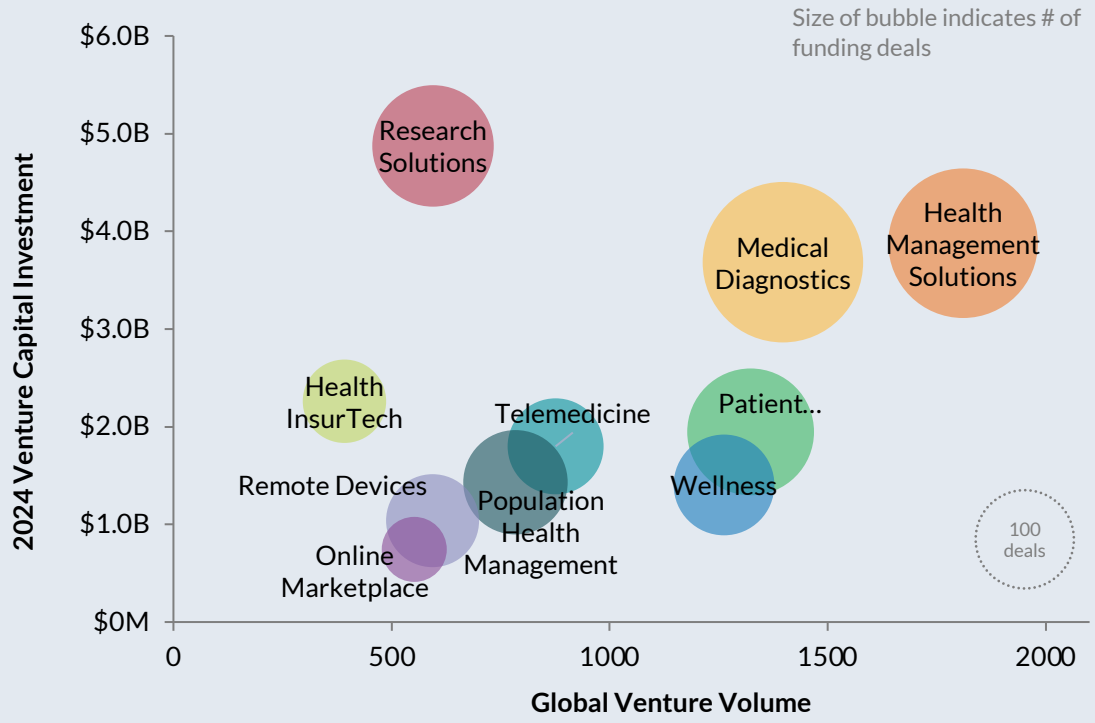
Enhancing Diagnostic Efficiency for Reduced Environmental Impact

Many diagnostic procedures, including lab tests, demand frequent patient travel and resource-heavy processes, leading to higher costs, longer wait times, and increased emissions.

Digital platforms and AI-powered solutions streamline lab testing, imaging, and pathology. By minimising duplicate tests, cutting resource use, and enabling remote analysis, these innovations reduce waste and deliver faster, more accurate results.

Medical diagnostics includes advanced imaging tools, digital lab testing platforms, and AI-driven analysis. Together, these solutions lessen travel, lower waiting times, and support greener healthcare operations.

2024 top 10 digital health clusters by venture funding value and the number of global ventures



Source: HealthTech Alpha

Note: The chart above shows venture funding and volume according to venture primary cluster

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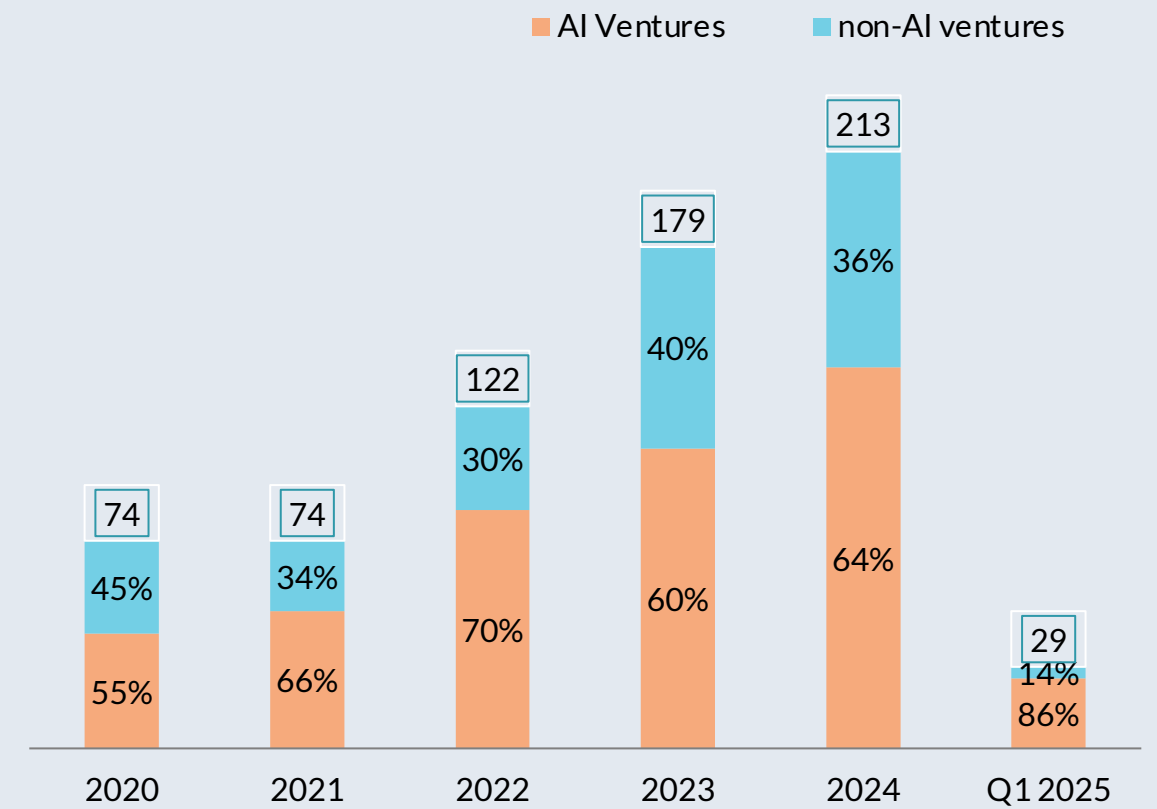
Leveraging Artificial Intelligence for Optimized Resource Use

Healthcare facilities are often highly resource-intensive and rely on estimates, leading to wasted supplies, late interventions, and more severe complications. These inefficiencies inflate costs, increase emissions, and create a bigger ecological footprint.

AI and Generative AI solutions analyse real-time data to optimise workflows, predict demand, and streamline logistics. This prevents overuse of resources, cuts costs, and ensures earlier interventions that improve patient outcomes.

AI-driven resource management, advanced analytics, and GenAI-enabled decision tools address supply chain, staffing, and operational challenges. By integrating data across the healthcare ecosystem, they reduce environmental impact while boosting efficiency.

Partnerships announced between Health Systems and Digital Health HMS ventures



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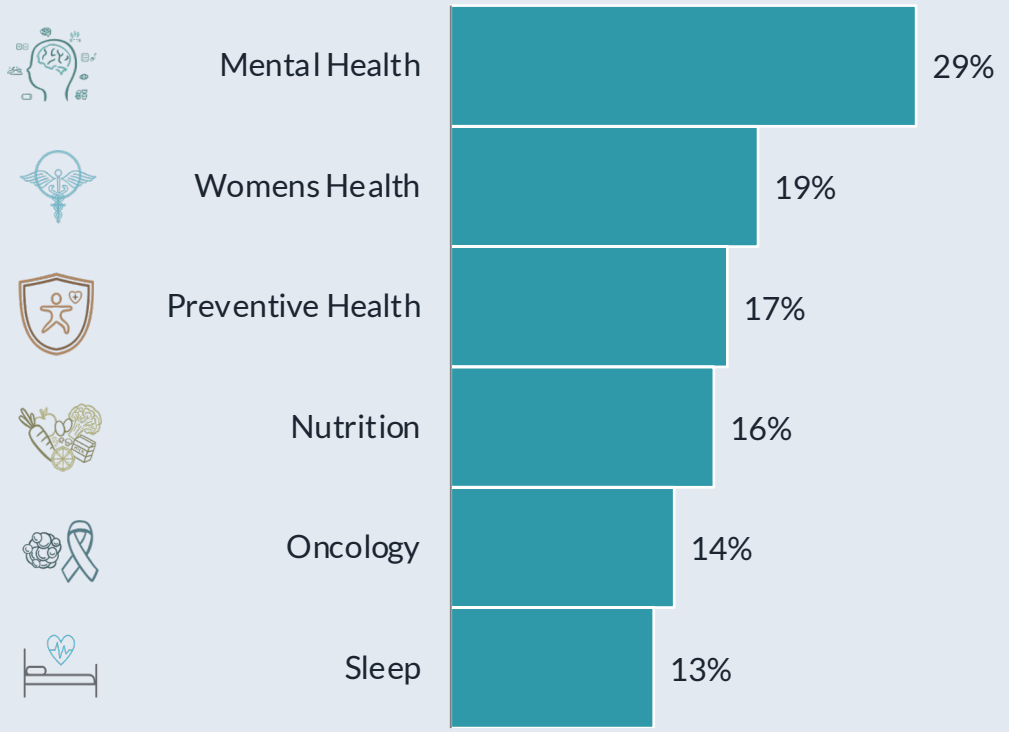
Empowering Individuals for Healthier and More Sustainable Choices

Rising rates of preventable conditions stem from lifestyle factors and lack of personalised guidance. These issues drive up clinical visits, expand resource use, and increase healthcare's carbon footprint.

Consumer HealthTech tools—such as wearable devices, health apps, and digital coaching—empower individuals to track vital signs, adopt healthier routines, and address problems early. This reduces unnecessary clinical interventions and overall emissions.

Consumer-focused platforms, mobile health apps, wearable trackers, and lifestyle management solutions. By placing patients at the centre of their care, these technologies lower in-person demand, slash costs, and foster a more sustainable healthcare system.

Top funded therapeutic areas for Consumer Healthtech in 2024 and share of total funding



Source: HealthTech Alpha

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HealthTech250™ – The Promising Early-Stage Ventures in 2025

The 2025 HealthTech 250 showcases the most promising early-stage digital health ventures redefining the future of healthcare. Powered by AI, strengthened by strategic partnerships, and backed by visionary investors, these startups are not only driving innovation—they're actively shaping a more sustainable, low-impact health system. Many are already delivering groundbreaking solutions that embody the Green Promise of Digital Health.

Telemedicine

- Uwill
- Yazen
- Synapticure
- MedKitDoc
- berry health

Remote Patient Monitoring

- tenovi
- SENSORUM HEALTH
- AvetaLife
- una
- Sherpa

Medical Diagnostics

- Imagene
- sycai medical
- SAIGEWARE
- KINTSUGI
- Aiosyn

Health Mgmt. Systems

- fabric
- anima
- DeepCardio WE SCORE YOUR HEART
- LEGION HEALTH
- TORTUS

Consumer HealthTech

- Nourish
- ACCELStars
- HELLO INSIDE SCIENTIFIC SELF CARE
- Function
- canopie

Source: HealthTech Alpha

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Realising the Green Promise of Digital Health

Digital health offers a significant opportunity to build a resilient, sustainable healthcare future—reducing environmental impact while improving outcomes.

Adopting digital solutions like virtual care, AI diagnostics, and remote monitoring can significantly cut emissions and lower resource use across the system.

Yet, we must also consider the environmental cost of digital technologies and implement them responsibly.

A balanced, holistic approach—integrating innovation with environmental stewardship—is essential.

Galen Growth is committed to delivering the insights needed to drive this transformation and help realise a genuinely green digital health future.



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Trusted Industry Insights – Galen Growth Research



Unmatched Expertise & Data-Driven Insights

High-quality, actionable research and insights for investors, corporates, and startups.

Powered by HealthTech Alpha

The leading intelligence platform for Digital Healthcare Technology

No Hype. No Bias. No Anecdotes

Purely data-driven insights, ensuring objective, evidence-backed analyses.

Digital Health Experts, Not Generalists

Led by industry veterans, not 30-something analysts with little sector expertise.

Over a Decade of Digital Health

A proven track record of unmatched industry data and thought leadership.

Independent & Agenda-Free

Our insights are driven by data and expertise, not sponsorships.

Make Informed Decisions

Gain the competitive edge with **Galen Growth's trusted, unparalleled research.**

HEALTHTECH ALPHA

Create your HealthTech Alpha account today

Better informed health innovation choices are just a click away with our best-in-class, private market data platform for Digital Health. Our comprehensive specialist data gives you all the information you need to make winning decisions.

Get started

