

Why AI in healthcare matters?



Healthcare systems face an unsustainable burden



1 in 3

adults worldwide suffer from one or more chronic diseases

World Health Organization



42%

of healthcare professionals report feeling burned out

Medscape survey 2021



18 million

the expected global deficit of skilled healthcare professionals by 2030

World Health Organization



2x

global healthcare spending is projected to double between 2020 and 2040

World Health Organization



By 2025, the amount of healthcare data is expected to grow by 36% per year¹¹

- Medical imaging
- Patient monitoring
- Home monitoring
- Pathology
- Genomics
- Personal health tracking

How AI can enhance the human experience in healthcare?





Augmenting the expertise of healthcare providers and supporting their decisionmaking.



Improving operational efficiency to help providers focus on patient care.



Empowering people to take better care of their health and well-being.





StartupHub.ai

ISRAELI AI HEALTHCARE LANDSCAPE









































fitto













Scalable AI platform



Bone health solution

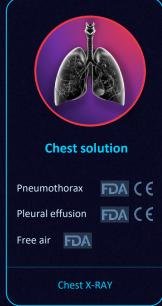
Vertebral compression fractures

FDA (E

Chest / abdomen CT























aldoc

Category Leader in Enterprise Imaging



Serving over 600+ Medical Centers



Differentiated Al offering:7 FDA/10
CE-marked
solutions, AI OS



28 studies showing: quality and efficiency gains; LoS reduction



Raised \$140M, 270+ employees, hypergrowth



Empowering Ultrasound Users with Al Solutions



Philips Partners with DiA Imaging Analysis to Enhance Point-of-Care Ultrasound Users with Automatic Ultrasound Al Software

Various FDA/CE Approved **Product Line**

Fully Automated Analysis

Quick, Accurate, Reproducible

Commercially Available

Thousands of users



IBEX

Revolutionizing Cancer Diagnosis With Al

Israel based startup. A Philips partner

Solution for breast, prostate and gastric biopsies

Clinical grade accuracy; Reduced error rate; Improved productivity; Shorter turnaround time

Deployed at pathology labs worldwide and used in everyday practice



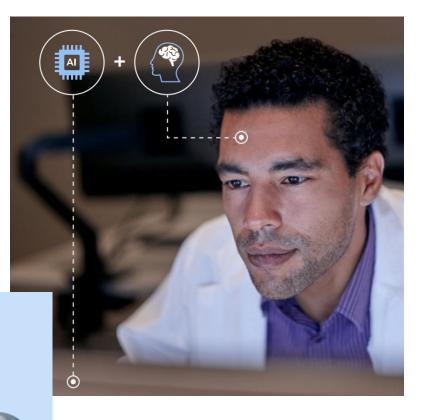




Combining AI with deep clinical knowledge

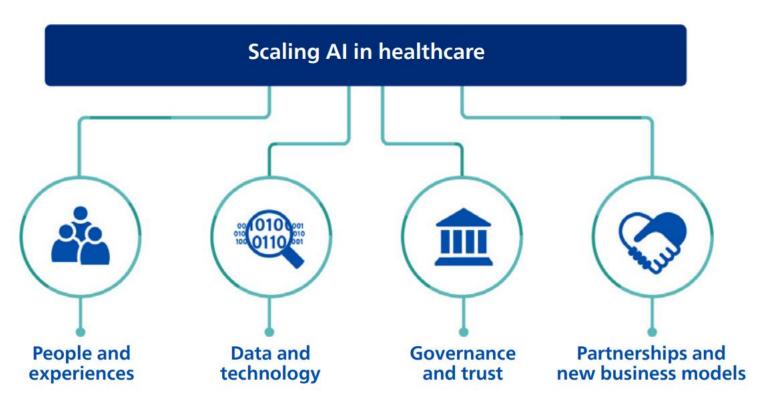
"Al allows us to see more than we ever could with our own eyes. But deep learning is not deep understanding. For Al to have a meaningful impact on patient care, it needs to go hand in hand with with robust scientific insights and deep clinical knowledge."

Henk van HoutenChief Technology Officer



Scaling AI in healthcare promote wider adoption







The value of AI is only as strong as the human experience it supports. AI innovation should therefore focus on the unmet needs of healthcare providers and patients first and foremost.

- Seamless workflow integration
- Developing an AI ready workforce

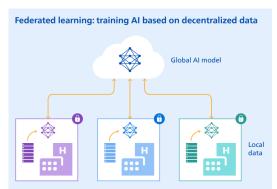




Developing AI-enabled solutions relies on access to high-quality, properly curated data. The reality, however, is that today's healthcare data is often locked away in disparate and disconnected systems, posing a barrier that needs to be addressed for AI innovation to scale.

- Data sharing and interoperability
- Next generation Al





Governance and trust

To strengthen public and professional trust in AI in healthcare, technological advances need to go hand in hand with appropriate governance around data privacy, security, and the ethics of AI.

- Fair and bias free AI
- Developing an AI ready workforce

Philips AI Principles



Well-being

We design our solutions to benefit the health and well-being of individuals and to contribute to the sustainable development of society.



Oversight

We design AI-enabled solutions to augment and empower people, with appropriate human supervision.



Robustness

We develop Al-enabled solutions that are intended to do no harm, with appropriate protection against deliberate or inadvertent misuse.



Fairness

We develop and validate solutions using data that is representative of the target group for the intended use, and we aim to avoid bias or discrimination.



Transparency

We disclose functions and features of our offerings that are Al-enabled, the validation process, and the responsibility for ultimate decision-taking.





In a sector as complex as healthcare, no individual player has all the solutions. Partnerships, ecosystem integration, and new business models such as SaaS-based software marketplaces are therefore becoming increasingly important in bringing Al into clinical practice.

- SaaS-based AI marketplaces
- Reimbursement and funding

