

Responsible Artificial Intelligence for Health

Ricardo Baptista Leite, MD

CEO | HealthAI – The Global Agency for Responsible AI in Health, Geneva

Chair | Global Health Policy Lab @ Charité & Harvard, Berlin

Chair | NOVA Center for Global Health, NOVA University, Portugal

City Councilor | Sintra

Former 4-term Member of Parliament & Former Deputy Mayor of Cascais

ricardo.baptistaleite@healthai.agency | @RBaptistaLeite



HEALTH AI

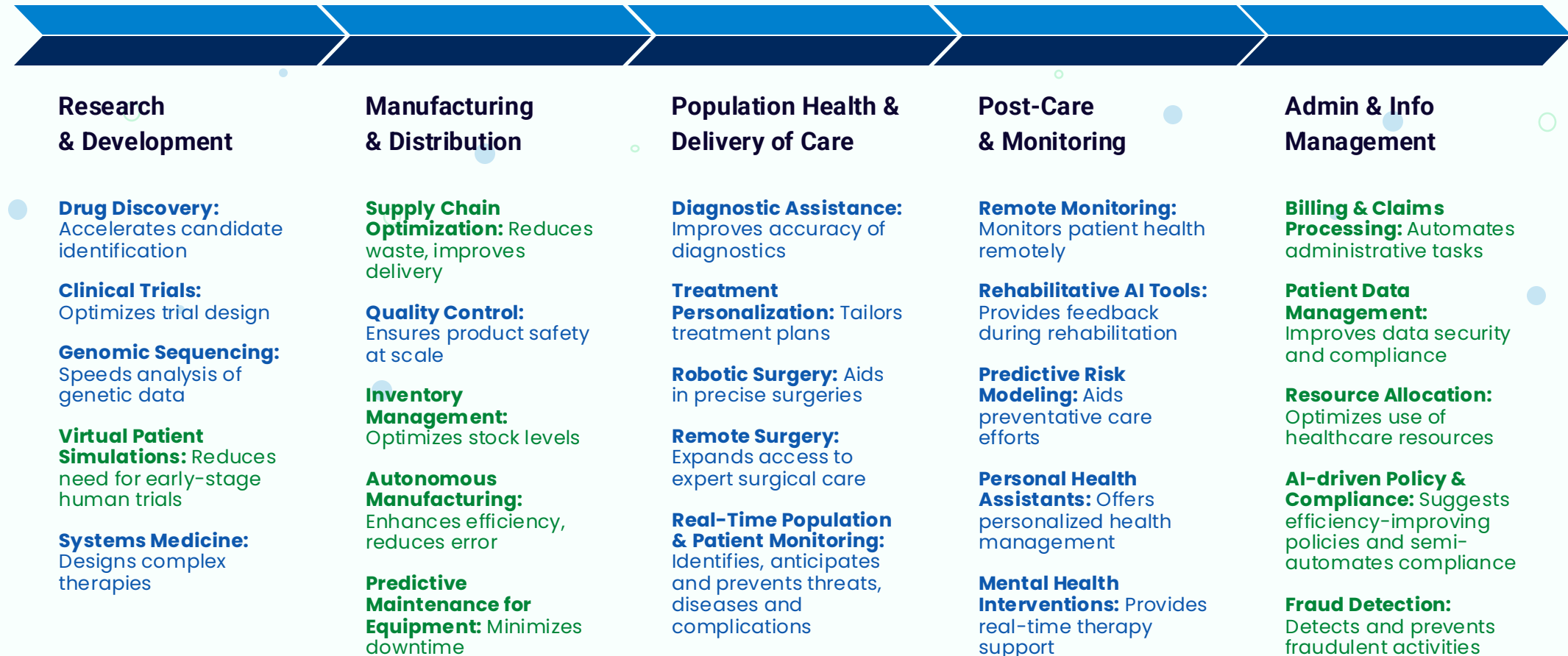
The Global Agency for Responsible AI in Health

A hand in a dark suit and blue tie reaches out towards a glowing, interconnected network of white dots and lines. The letters 'AI' are prominently displayed in the center of the network, which has a blue and white glow. The background is dark blue.

AI

**Why We Should Embrace
AI Rather Than Fear It?**

AI across the Health Value Chain



Distribution of AI in Healthcare startups



Source: StartUs Insights (Top 10 AI trends in healthcare) Jan 2023
3103 global startups and scaleups included in the analysis

Insights and Forecasts of Patents for AI and ML

- Total number of published **patents doubled yearly from 2015 to 2022**
- Source: The AI Index 2024 Annual Report

Number of **AI PATENTS** Granted Annually

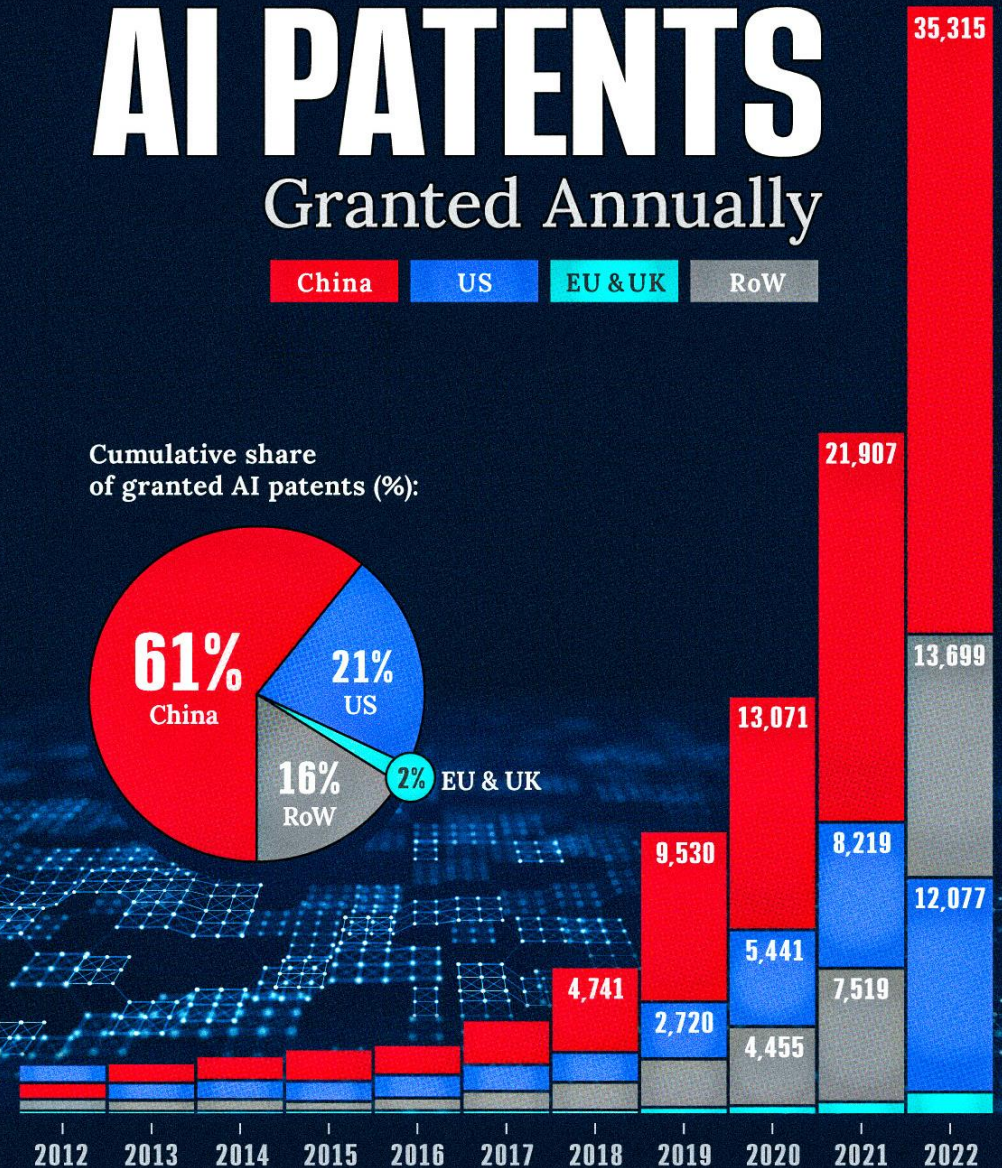
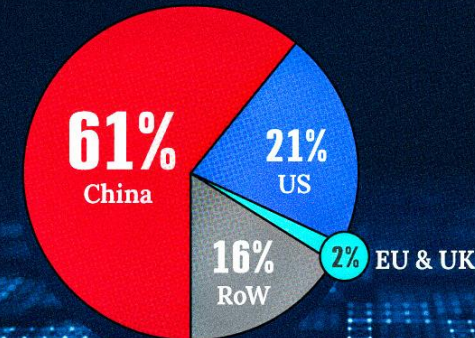
China

US

EU & UK

RoW

Cumulative share
of granted AI patents (%):





JoshuaBlue

Moving Towards a Fragmented Regulatory Landscape?

THE WHITE HOUSE



Administration Priorities The Record Brief

OCTOBER 30, 2023

FACT SHEET: President Biden Issues Executive Order on Safe, Secure, and Trustworthy Artificial Intelligence

[BRIEFING ROOM](#) [STATEMENTS AND RELEASES](#)

Today, President Biden is issuing a landmark Executive Order to ensure that America leads the way in seizing the promise and managing the risks of artificial intelligence (AI). The Executive Order establishes new standards for AI safety and security, protects Americans' privacy, advances equity and civil rights, stands up for consumers and workers, promotes innovation and competition, advances American leadership around the world, and more.



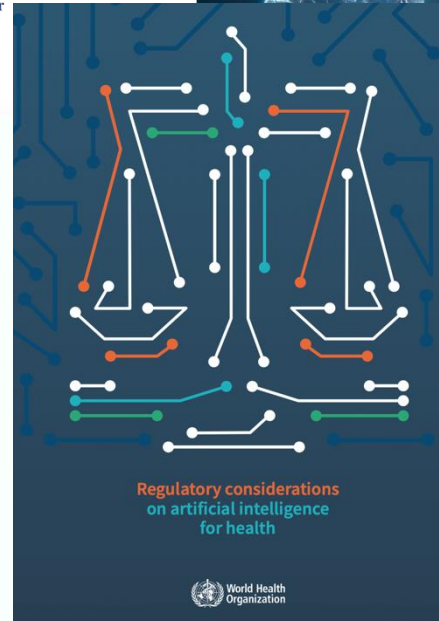
European Parliament

EU AI Act: first regulation on artificial intelligence

Society Updated: 14-06-2023 - 14:06
Created: 08-06-2023 - 11:40



The use of artificial intelligence in the EU will be regulated by the AI Act, the world's first comprehensive AI law. Find out how it will protect you.



Recommendation of the Council on Artificial Intelligence

OECD Legal Instruments



GOV.UK

[Home](#) > [AI Safety Summit 2023](#)

About the AI Safety Summit 2023

The UK Prime Minister will host the AI Safety Summit 2023 on the 1 and 2 November at Bletchley Park, Buckinghamshire.

The summit will bring together international governments, leading AI companies, civil society groups and experts in research to consider the risks of AI, especially at the frontier of development, and discuss how they can be mitigated through internationally coordinated action.

Regulatory Challenges for AI in Healthcare

Global fragmentation

- Navigate **differential requirements** in different countries/regions
- Varying approval processes and timelines

Fast evolving AI

- **Fast evolving** AI developments
- New regulations and standards in **response to emerging tech**

Data concerns

- **Data security and privacy**
- **AI methods have *opaque* inner workings**

Post-market surveillance

- **Monitor safety and effectiveness** of devices
- Adaptive learning with more data (need for periodic monitoring)

The Challenge

**Lack of effective governance of AI in
'health' increases risks for citizens
and systems which stimulates
distrust and slow adoption of
responsible AI solutions that can
lead to better health outcomes for all**

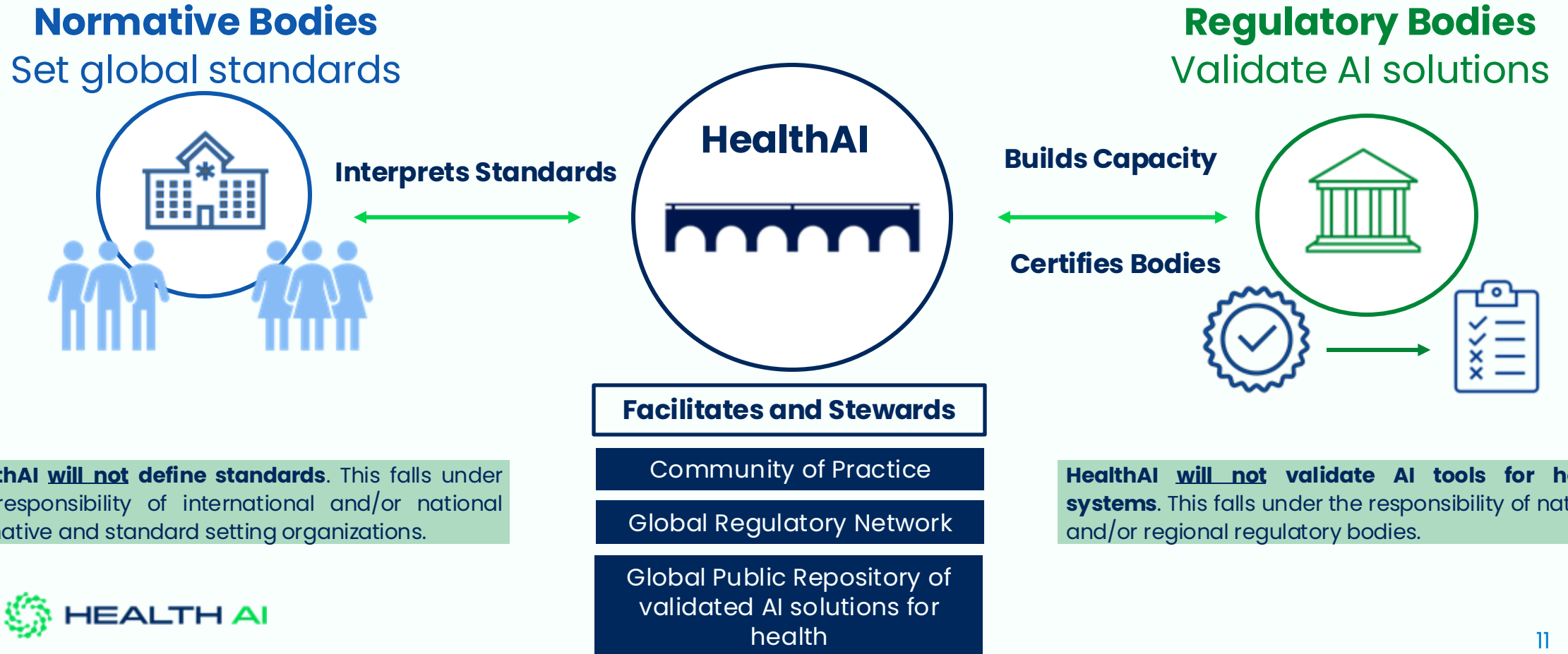


HEALTH AI

The Global Agency for Responsible AI in Health

HealthAI Governance Role

HealthAI serves as a bridge between normative bodies and national and regional regulatory bodies to strengthen capacity and certify their regulatory mechanisms.

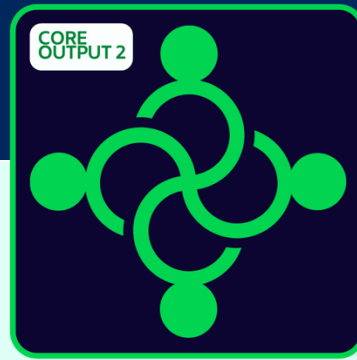


HealthAI Strategy 2024–2026

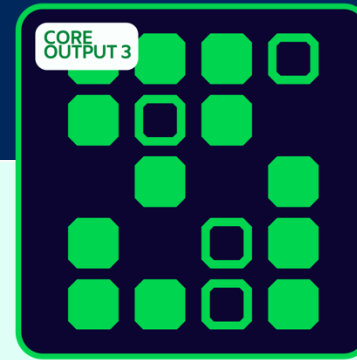
Responsible AI Solutions for Health



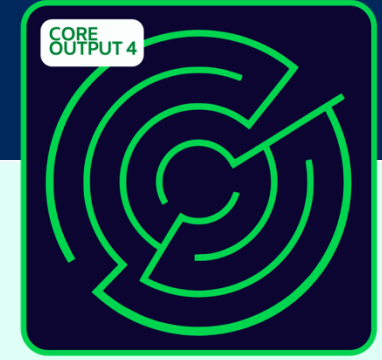
Co-create and certify
**National & Regional
validation mechanisms**
on Responsible AI
for Health



Establish a **Global
Regulatory Network** for
knowledge sharing and
adverse events - '**Global
Early Warning System**'



Create a **Global
Public Repository** of
validated AI solutions
for Health



Deliver **advisory
support** on Policies
and Regulations

HealthAI Community of Practice

Join Now | Community of Practice

AI
Can Save
Lives



Let's get the
regulations right.



HEALTH AI
The Global Agency for Responsible AI in Health



**BETTER
HEALTH**

AHEAD

Thank you

www.healthai.agency

ricardo.baptistaleite@healthai.agency

