



# Treating Cancer 2025

Dall'impegno dell'UE all'azione in Italia contro le disuguaglianze oncologiche



EUROPE DIRECT  
Roma Innovazione



EUROPE DIRECT  
Trapani Sicilia



EUROPE DIRECT  
Lombardia

# Usare l'AI per superare le disuguaglianze di salute nel bambino

Alberto E Tozzi

Unità di Ricerca Medicina Preventiva e Predittiva

International Society for Pediatric Innovation



INTERNATIONAL  
SOCIETY FOR  
**Pediatric  
Innovation**



**FORMEZ**  
AL SERVIZIO DELLA PA



 **Consiglio Nazionale  
delle Ricerche**

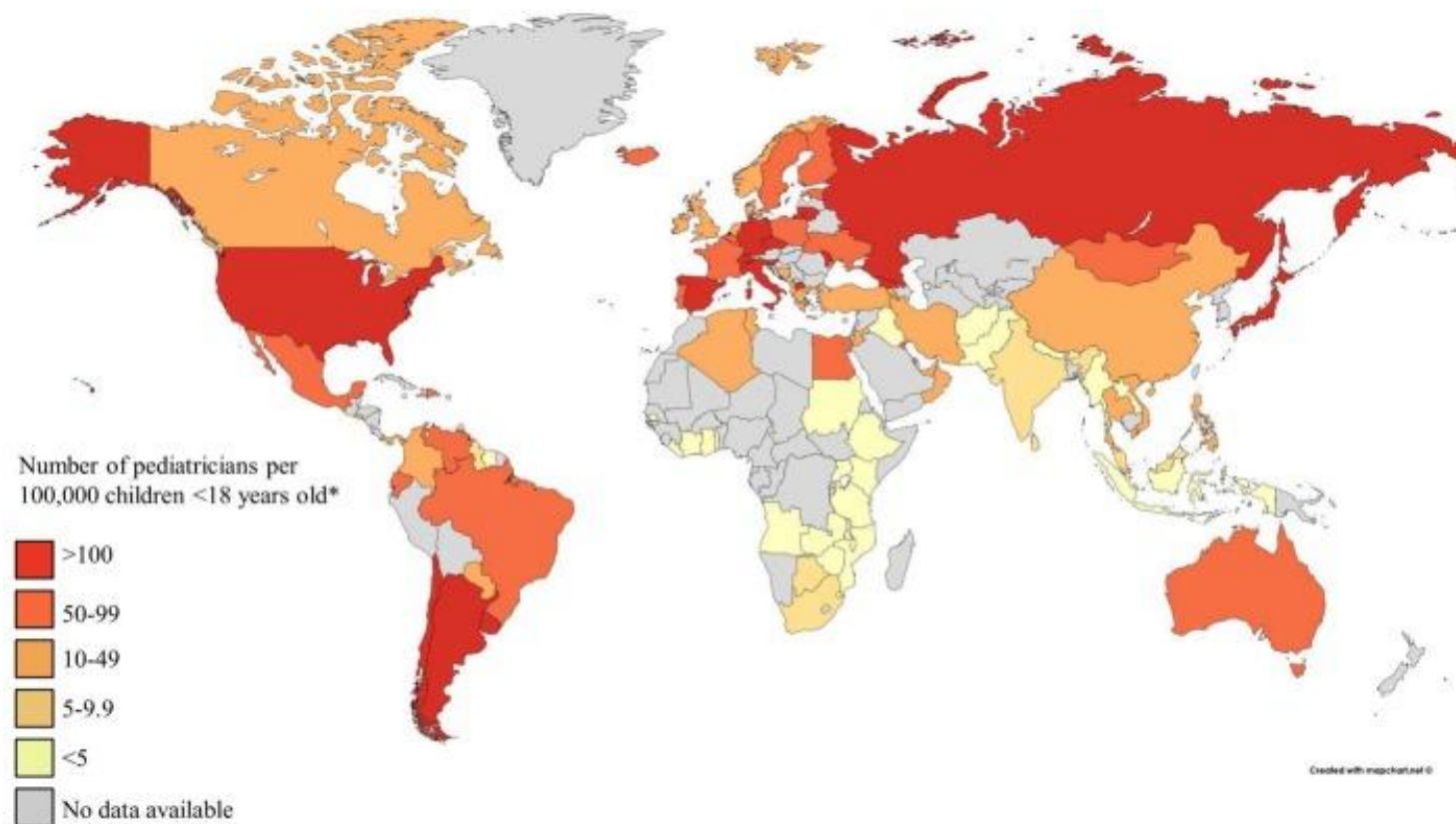
Partner per la promozione e valorizzazione dell'evento.



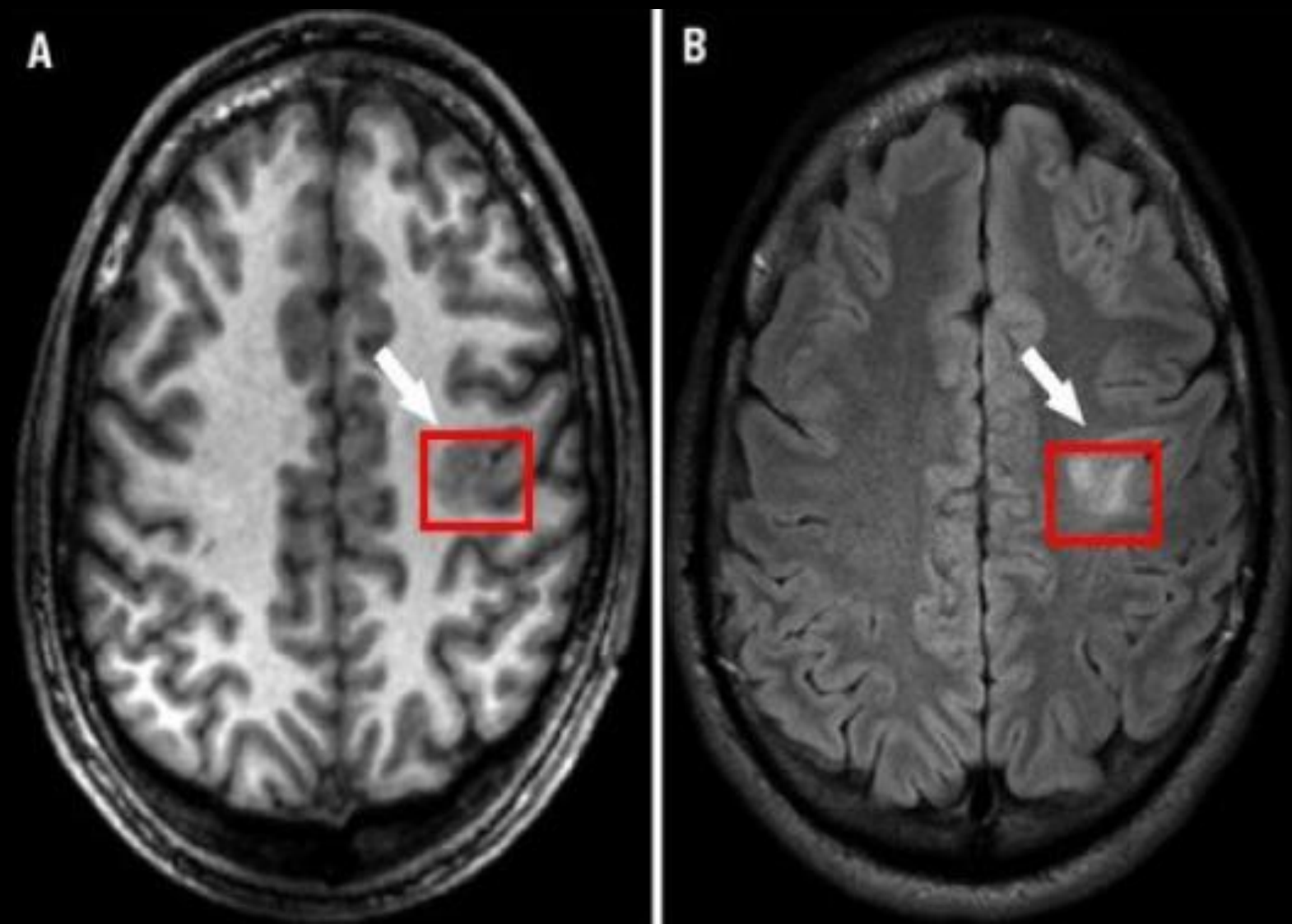
Centro  
di documentazione  
Europea

CNR, SIOI, La Sapienza, Regione Lazio, RomaTre

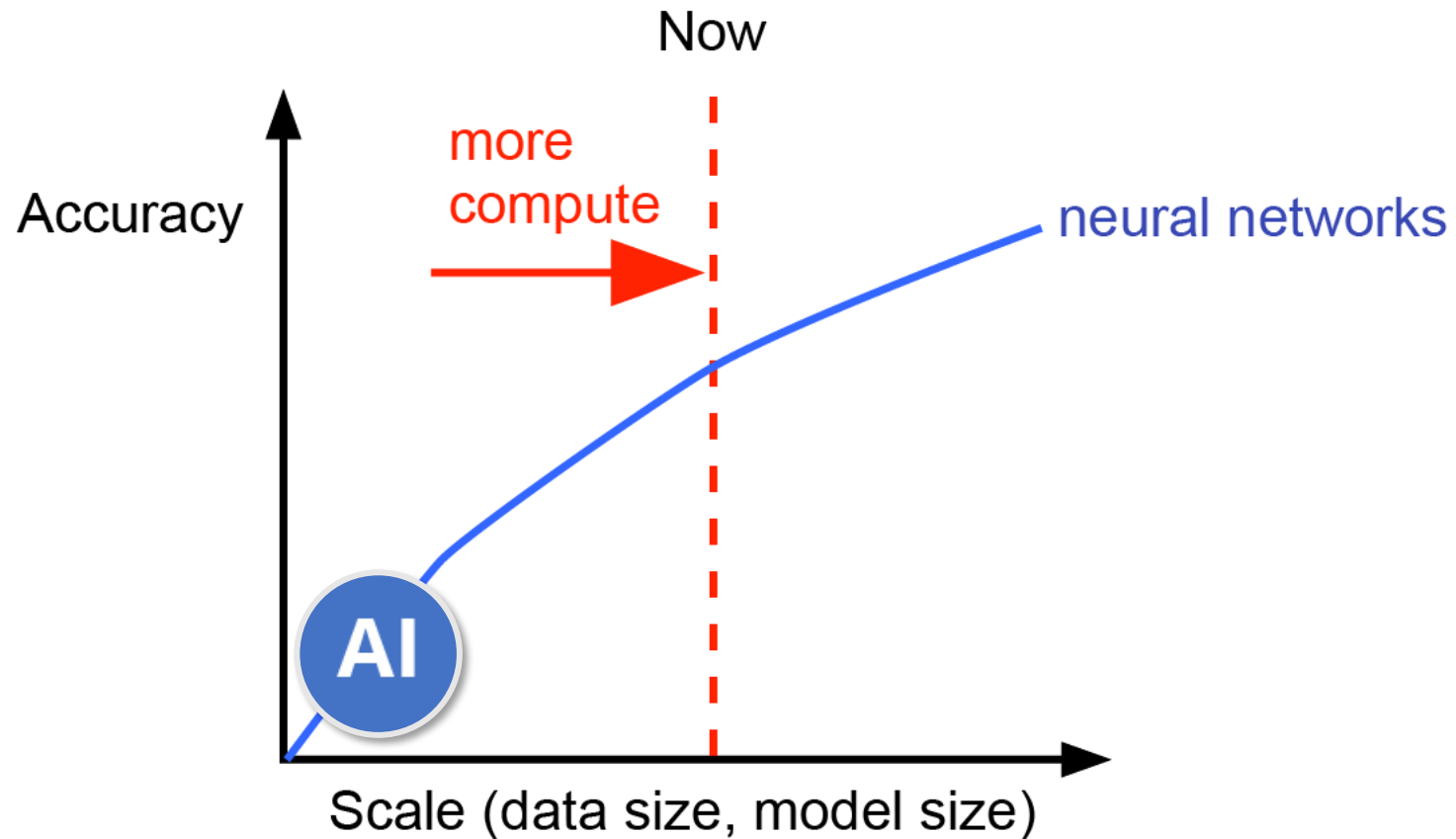
# Numero di pediatri per 100,000 bambini



\*Data Source: UNICEF Country Statistics



Le applicazioni di AI per la medicina sono ancora addestrate con pochi dati



*Courtesy, Jeff Dean, Google*

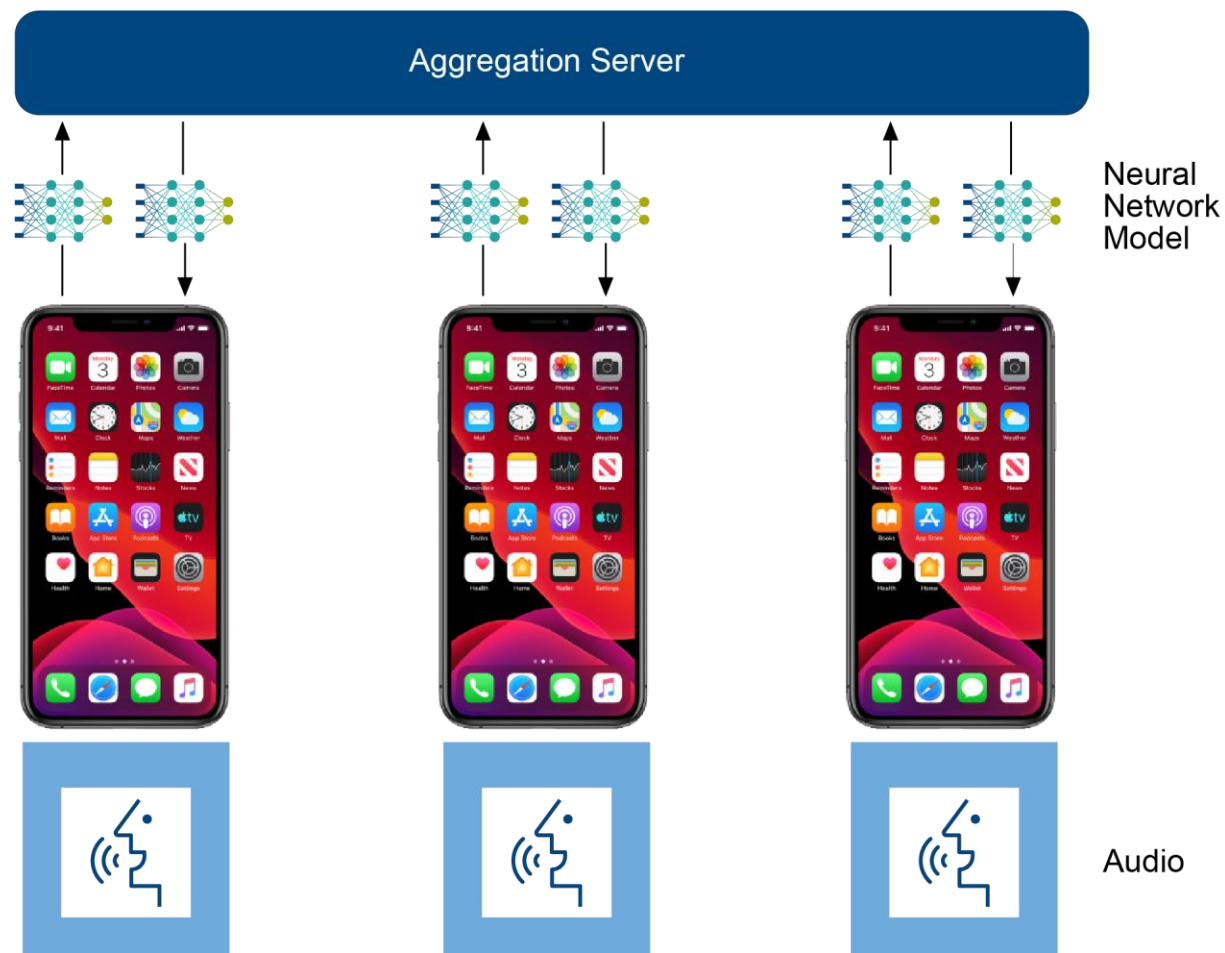


A close-up photograph of a brick wall. The bricks are reddish-brown with a rough, textured surface. They are laid in a traditional running bond pattern. The mortar joints are a light, off-white color. In the center of the image, the letters 'GDPR' are overlaid in a large, white, sans-serif font. The letters are slightly transparent, allowing the texture of the bricks to be seen through them.

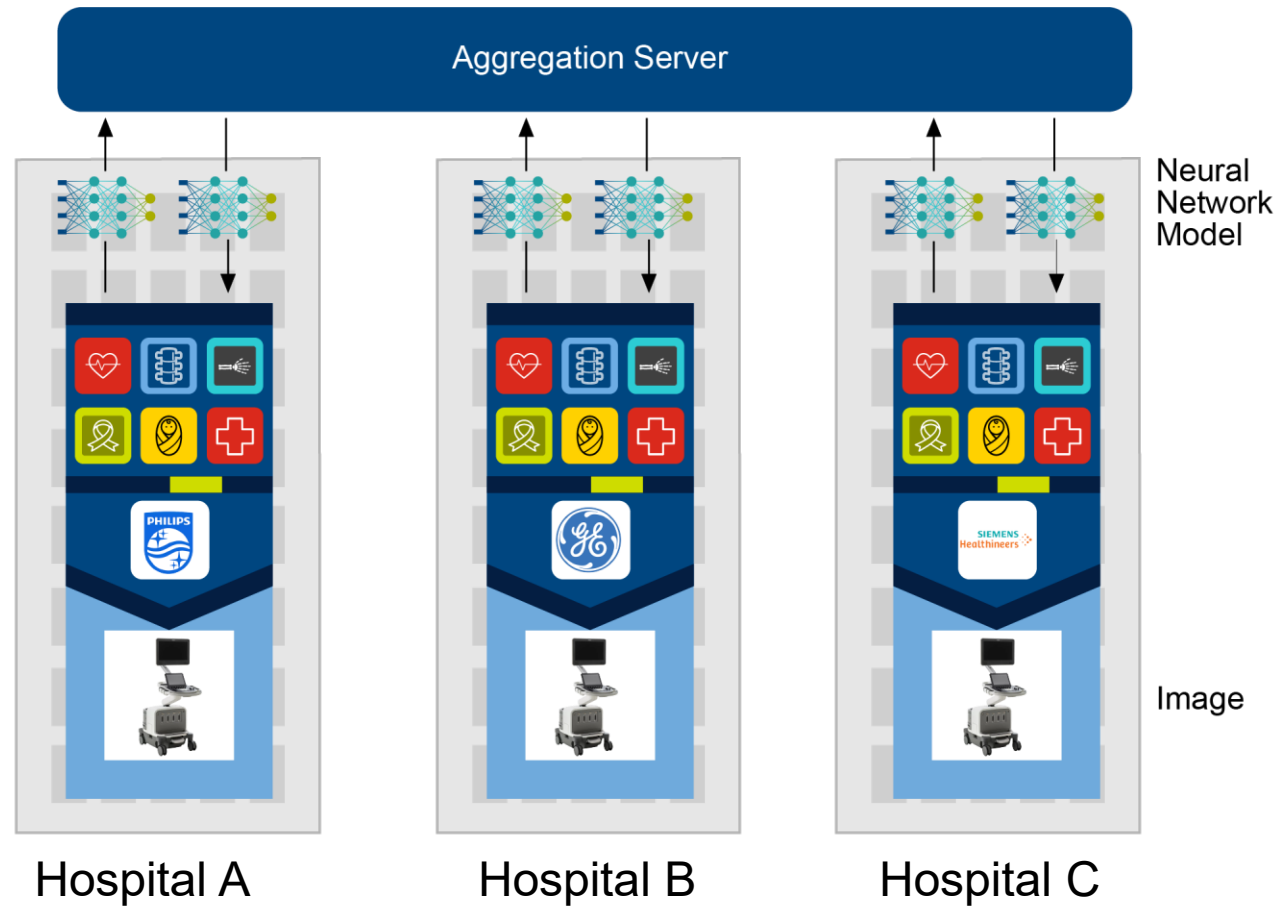
GDPR



# Come fa lo smartphone a riconoscere la voce del proprietario?

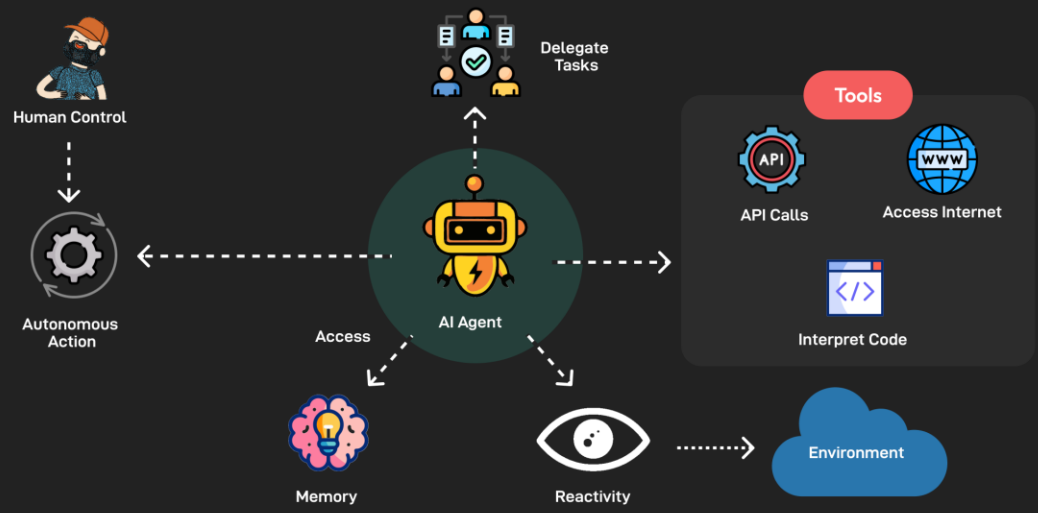


# Possiamo fare lo stesso con i dati di salute?

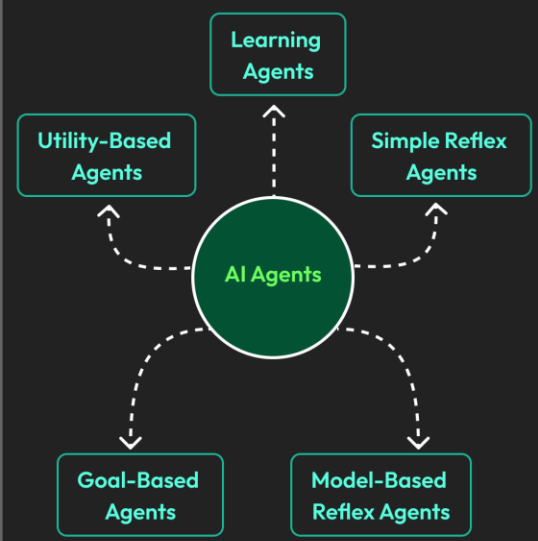


# What is an AI Agent?

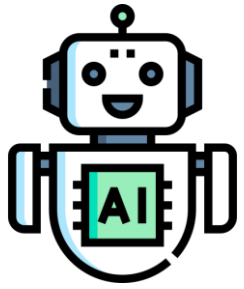
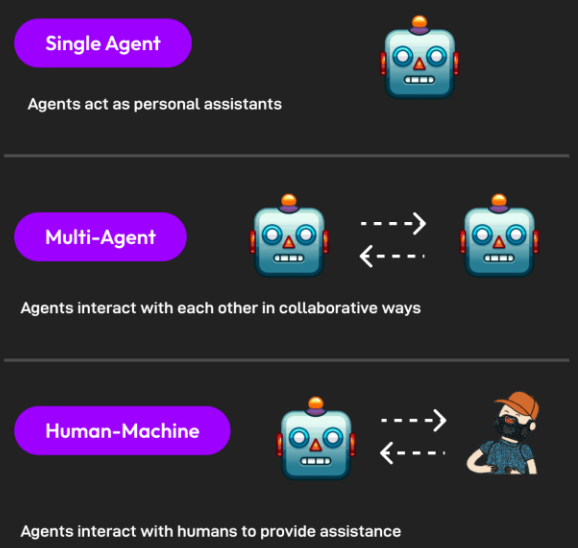
## How AI Agents Work?



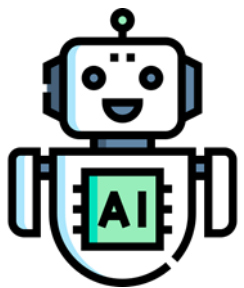
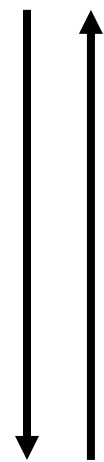
## Types of AI Agents



## AI Agent System Architecture



Protocollo

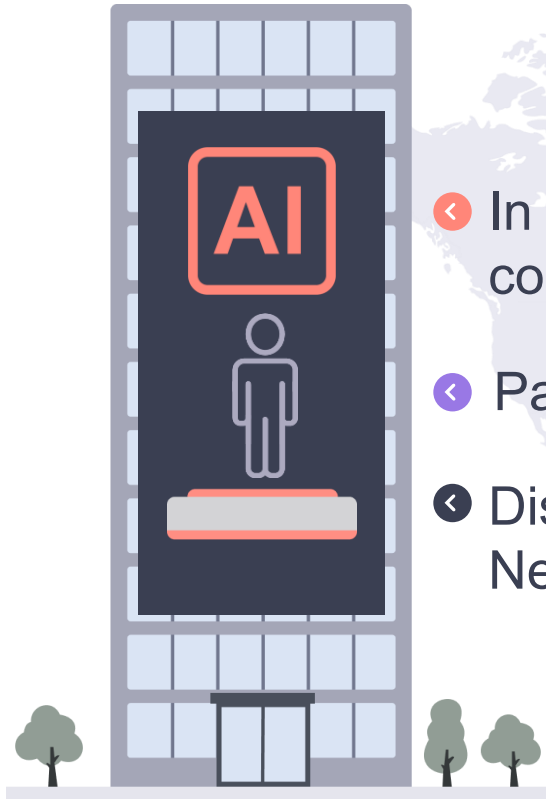


Paziente

Eleggibilità  
in tempo reale



# Agenti AI che cercano pazienti per RCT nel rispetto della privacy



- ◀ In tempo reale, senza condividere dati individuali
- ◀ Patient Digital Twin
- ◀ Distributed Compute, Storage Networking e Data Services



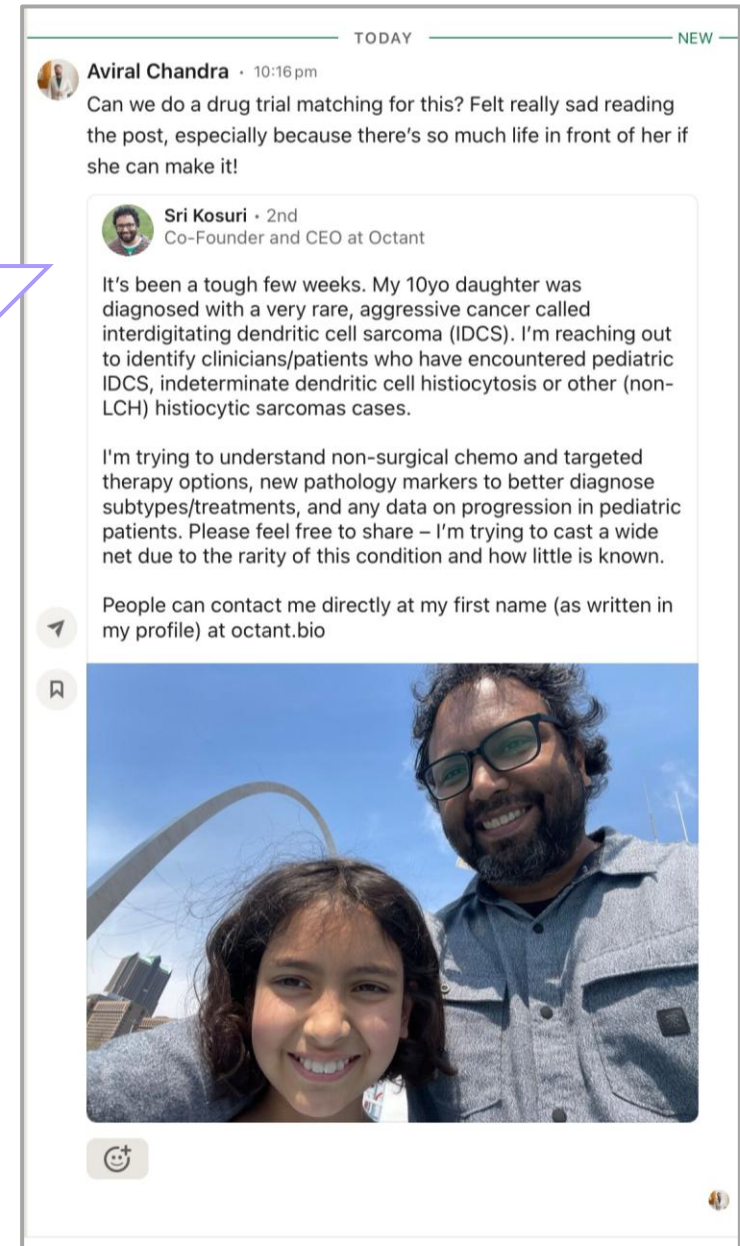
## Studi clinici

Trial 01234567	Trial 71234567	Trial 2212457
Trial 11234567	Trial 7654321	Trial 51234568

*My 10yo daughter was diagnosed with a very rare aggressive cancer. . .*

*I'm trying to understand non-surgical chemo and targeted therapy options*

*...People can contact me directly*









## PEDIATRIC MOONSHOT

Reduce healthcare inequity, lower cost and improve outcomes  
for children rurally, nationally and globally

by creating privacy-preserving, real-time AI applications

based on access to data from 1,000,000 healthcare machines  
in all 500 children's hospitals in the world