

Healthy Longevity

- Longevity is an age-old quest
- Physical Longevity is pegged somewhere between 125-150 years old for humans (given current assumptions)
- · We are already racing towards our theoretical maximum

So, what is the <u>real</u> opportunity?

And how can Microsoft uniquely contribute?

It is all about Empowering Quality of Life



Empowering every person

to achieve a more healthy, productive and happy life given the years we do have at any given point

Empowering every clinician

with cloud and AI tools to support healthy longevity while facing a critical gap between demand and supply

Empowering every researcher

to accelerate discoveries and deliver on the promise of precision health

Al enabled tools that speak the language of healthcare



Conversational AI for medical triage



Cloud-scale machine learning to translate T-cells to antigens



Decision forests for automatic semantic segmentation of medical images— anatomy and pathology



Predictive models of vision impairment and eye disease



Cognitive speech services for medical documentation



Machine reading of clinical documentation for trials matching

Empowering Healthier Longevity



Digital-First Health Delivery



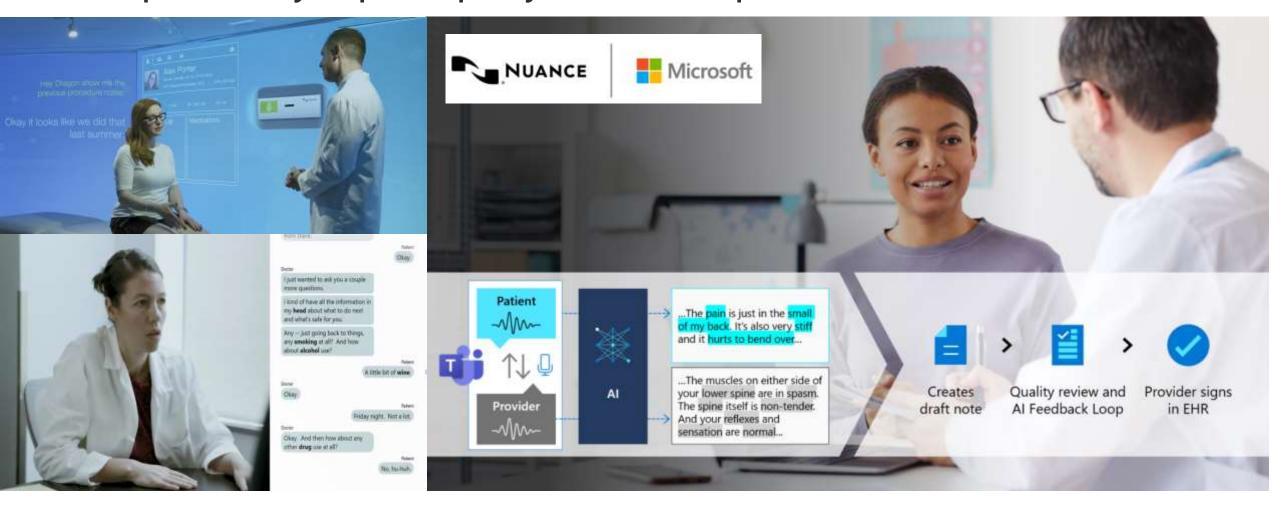
Precision Health & Al



Health Access & Equity



Ambient Clinical Intelligence helps clinicians to re-imagine the medical encounter, to liberate productivity, improve quality and enhance patient satisfaction

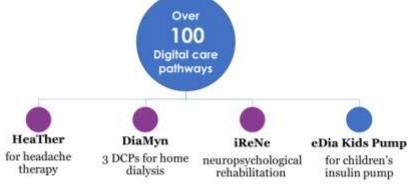


76% believe it improved the patient experience 9 min decrease in average waiting time in primary care 24% increase in number of patients seen per day in Delivering digital health in the living-room - enabling Continuous Patient Monitoring capabilities to extend patient care beyond the hospital walls—reducing re-admissions and supporting patients from the comfort of their home.



Microsoft Cloud for Healthcare Continuous Patient Monitoring





Reimaging Senior Care



Equitable & Accessible care



Empower care teams



Improve operational outcomes



Protect health information



Reimagine healthcare

EQUITABLE CARE

Address socio-economic barriers (affordability), Health disparities, Vaccination equity



IMPROVED ACCESS TO CARE

Broadband, digital literacy, Community Health Hubs



PATIENT INSIGHTS

Transform data into prescriptive insights.







CARE TEAM COLLABORATION/ COORDINATION

Develop systems of engagement with intelligent workflows.



Provide new avenues for care.





CONTINUOUS PATIENT MONITORING

Combine IOT & analytics to optimize treatments.



Access and securely share actionable data to help improve patient care.



Better Insights



DATA INTEROPERABILITY

Create new healthcare systems of engagement by connecting data from multiple systems of record



OPERATIONAL ANALYTICS

Gain actionable insights to optimize operations.

Virtual Reality enables Holomedicine - democratizing access to health expertise, transforming teaching and training, enhances safety and collaboration, as well as surgery preparation.

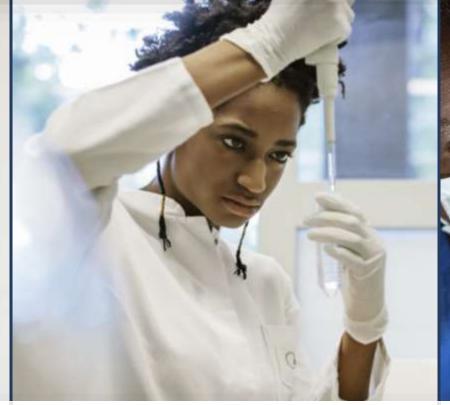


We had a French perspective, we had an American perspective and we had a Latin American perspective. We had one-quarter of the world inside the operating room.

Empowering Healthier Longevity



Digital-First Health Delivery



Precision Health & Al



Health Access & Equity



Virtual Tumor Board





A partnership to decode the human adaptive immune system to improve the diagnosis of disease



"

This announcement comes at a time of inflection in healthcare and biotechnology. We now have the technology to be able to do what we've been talking about for the past decade – develop a universal TCR antigen map that presents an opportunity to help patients at an unprecedented scale

-- Chad Robins, President, CEO and Co-founder of Adaptive Biotechnologies

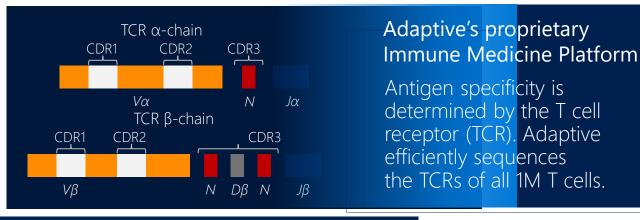
We are very excited and inspired by our collaboration with Adaptive Biotechnologies, as it clearly advances our mission to use cloud and Al technologies to transform healthcare and improve the lives of people around the world.

-- Peter Lee, CVP AI & Research, Microsoft

Microsoft Immunomics TCR - Antigen Map Project

Learning to decode the adaptive immune system to diagnose disease





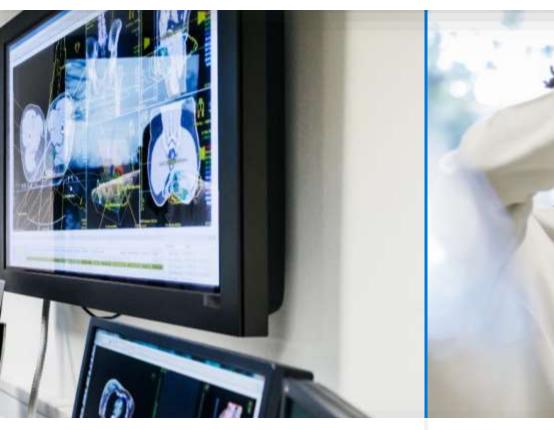
Cloud-scale machine learning to map trillions of T cells to antigens







Empowering Healthier Longevity



Digital-First Health Delivery



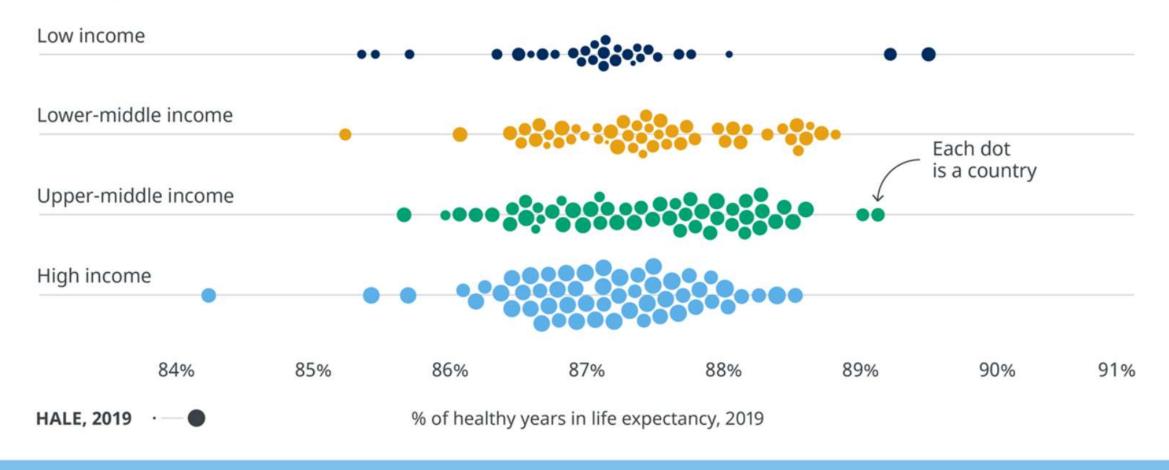
Precision Health & Al



Health Access & Equity

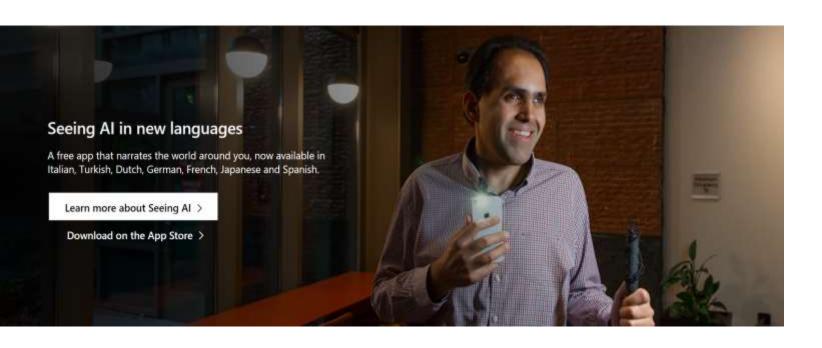


Across the world, where are people living a higher proportion of years in good health?





Seeing Al – narrates the world around you, designed for low vision community this service uses the power of Al to describe people, text and object.





In Pursuit of Inclusive AI

Start your accessibility journey today by learning how to build experiences that are accessible for people of all abilities.







Person

Recognizes friends and describes people around you,
including their emotions



Currency Identify currency bills when paying with cash





Documents

Products
Gives audio beeps to help locate barcodes and then scans them to identify products







