

GAMES FOR HEALTH EUROPE

2026



GAMES FOR HEALTH
EUROPE

DISCLOSURE SLIDE
for presentations at the

GAMES FOR HEALTH EUROPE 2026 CONFERENCE

I herewith confirm that there is not any conflict of interest with the conference organization or any of its sponsors.



Lessons of 12 years of AI in Dutch Health Care

Games for Health '26

It all started at Games for Health and with gamification for us



And this is how we felt since



And this is how we felt since

Societal mission

**Creating value
for patients
today**

**Building a
system
technology**



And how all health care innovators might feel



**Slow change
in health care**

**Rapid
technological
advancements**

It's hard to underestimate the impact and development of AI

- **AI will do to intelligence what the industrial revolution did with muscle power and the internet did with information**
- On a much higher pace
- With much more fundamental impact on humanity
- In uncertain geopolitical times



But the enormous AI efforts don't reach the bedside

0.1%

of medical AI algorithms are rolled out
over multiple hospitals

Demographical change is like a freight train

Harmless and slow from afar



Scary and unstoppable when it's there

Health care is unsustainable and under increasing pressure

Problem

2x

Healthcare expenditure growth between 2015 and 2040 to 17% of GDP

1.2M

Current shortage of healthcare workers in EU

57%

Ratio of elderly/working population in EU in 2050 (doubled since 2001)

1/3

Nurses is considering to leave their jobs



Care demand and expected service levels are changing greatly

Especially acute care is in a critical state

The health workforce crisis in the European Union

Vaak opnamestops op spoedeisende hulpen door overbelasting ziekenhuizen

VR 24 JAN 2025

Hoe kunnen we piekdrukke verminderen op de SEH?

Portugal's Emergency Departments Face Severe Winter Pressure as Waiting Times Stay "Very Critical"

12 LAB Highlights 12 Wed, 14 Jan 2025

'Invoering budgetbekostiging lost personeelstekort acute zorg niet op'

Article • Hospitals

Europe Grapples With Acute Healthcare Worker Shortage

By Ylki Davies

Intensive care departments are being closed more often due to too many patients



Forse stijging verkeerde beddenproblematiek

In dit ziekenhuis is het personeelstekort zo nijpend, dat vijf operatiekamers helemaal dicht zijn

Staff shortages in healthcare are a public health crisis: EPSU to European Parliament

Emergency care in north Wales 'in crisis'

30 September 2025

Share Save



Dutch healthcare system expected to face a shortage of 266,000 workers by 2035

HESPRESS English - Morocco News |

Germany looks to Morocco to help fill nursing shortage

Personneelstekort zorgsector dreigt te verviervoudigen: 'Zorginfarcé in 2034'

18 december 2024 om 08:14 - 05 - 1 min lezen
Door: Fátima Zahraoui / Jolanda Koutstaal
Een van de grootste problemen van de Nederlandse zorgsector is de voorspelde, massale afname van het aantal medewerkers in de komende jaren. Volgens de meest recente prognoses van het onderzoeksbureau ArboStatistiek Zorg & Welzijn (ASW) zal het aantal medewerkers in de Nederlandse zorgsector dalen van 200.000 medewerkers in 2024, tot 100.000 medewerkers in 2034. Dat is ruim vier keer zoveel als de 266.000 tekort in 2035, die moet...

Health care needs a user centered, platform based and data driven transition

Solution

A health care system that is:

- Organized around patient and focused on health
- Digital first, radically reducing labour needs
- Delivered from home where possible
- Matching care demand and supply regionally
- Powered by continually improving algorithms based on all patients' data

We've seen that transition elsewhere the past decades

Solution

A health care system that is:

- Organized around patient and focused on health
- Digital first, radically reducing labour needs
- Delivered from home where possible
- Matching care demand and supply regionally
- Powered by continually improving algorithms based on all patients' data

Booking.com

Uber

amazon

And Big Tech is coming for our patients too

The screenshot shows the top portion of The Wall Street Journal website. At the top, the masthead reads "THE WALL STREET JOURNAL." in a large, black, serif font. Below this, a horizontal navigation bar contains links for "English Edition", "Print Edition", "Video", "Audio", "Latest Headlines", "Puzzles", and "More". A secondary navigation bar lists various topics: "U.S.", "Politics", "Economy", "Tech", "Markets & Finance", "Opinion", "Free Expression", "Arts", "Lifestyle", and "Real Estate". The main content area features a dark blue header with the "WSJ PRO" logo in white and gold. Below the logo, the words "Venture Capital" are written in a large, white, serif font. At the bottom of this header, there is a navigation menu with links for "Home", "News", "Data", "Sectors", and "Newsletters", each followed by a small downward-pointing chevron.

INDUSTRY NEWS

OpenAI, Anthropic Shake Up Digital-Health Sector With Their Own Contenders



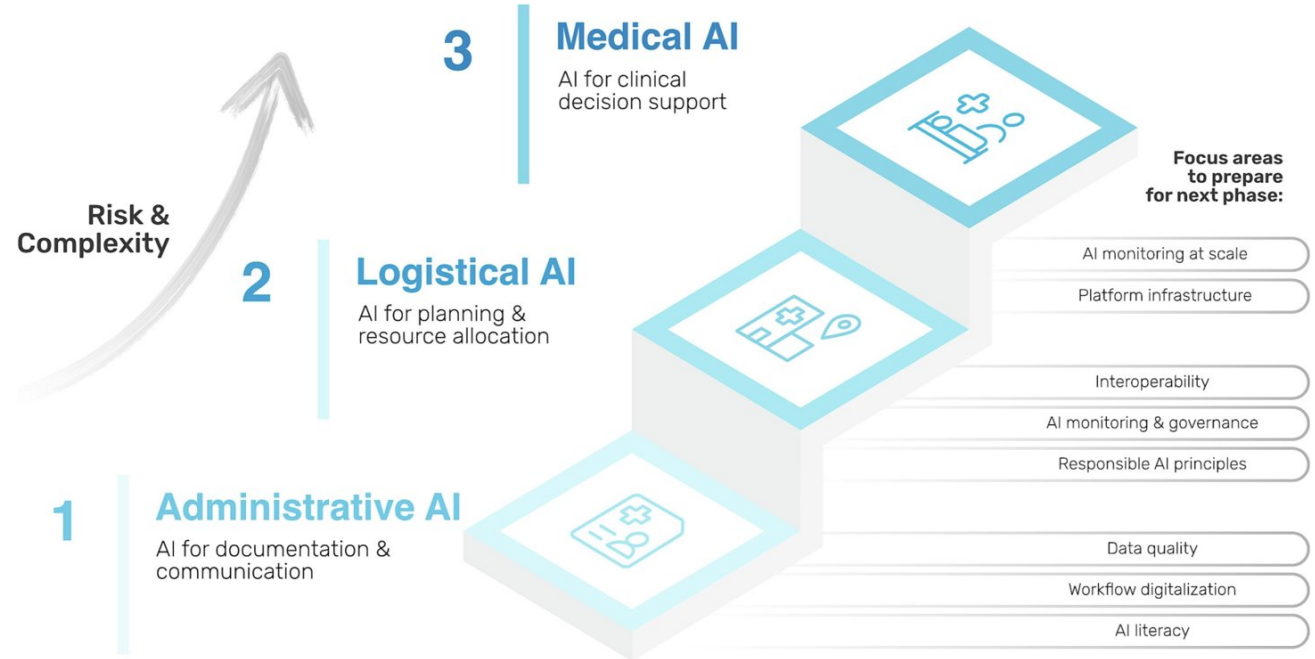
“We shouldn’t use AI to optimize health care

But to transform health care together

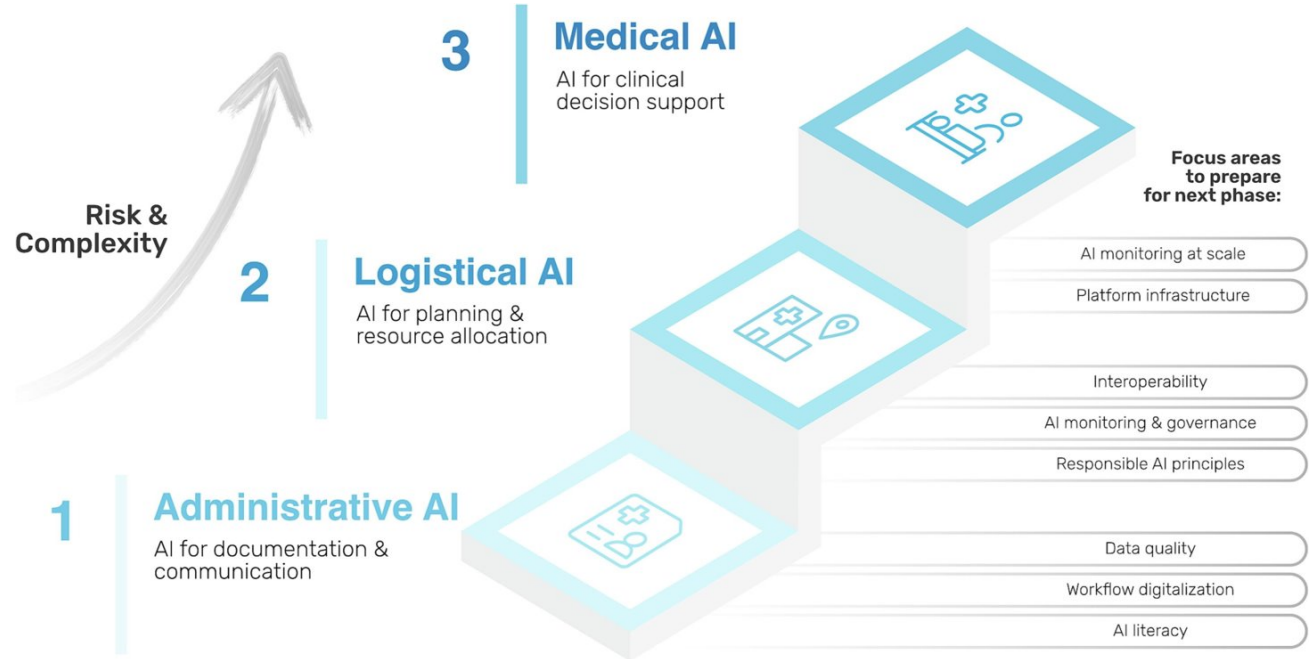
to prevent it from disrupting health care”



We distinguish three types of clinical AI



We've shifted focus from medical decision support to increasing patient throughput and better using capacity



We have shown Medical AI can be of great impact for patients and doctors

In Amsterdam UMC a Pancreatitis patient was kept on ICU for another night because of our software for safe and timely discharge. That patient needed intubation that night. On the ward this would have led to death or a long ICU readmission.



Amsterdam UMC tests AI to help decide when ICU patients can be discharged to regular wards, August 2022 - Credit: Amsterdam UMC / Amsterdam UMC - License: All Rights Reserved

HEALTH TECH INNOVATION AMSTERDAM UMC AI ARTIFICIAL INTELLIGENCE
» MORE TAGS

FRIDAY, 26 AUGUST 2022 - 16:00

SHARE THIS:
[f](#) [t](#) [in](#) [w](#) [v](#)

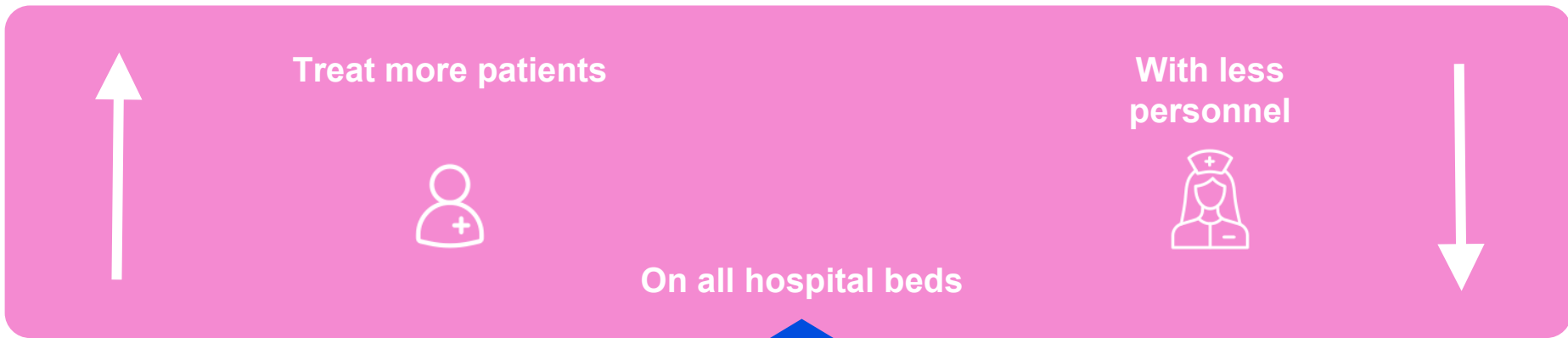
Amsterdam hospital to use AI to guide ICU discharges in world's first

The [Amsterdam UMC](#) launched an experiment in which artificial intelligence will help intensivists decide when a patient can be discharged from the intensive care unit to a regular ward. A world first, according to the hospital. The goal is to use available ICU capacity as optimally as possible, especially in view of future Covid-19 waves.

But the route to impact for medical AI is slow

- Slow and costly development due to regulatory requirements (like MDR CE marks)
- Trust, adoption and behaviour change needed by all clinicians
- Business case through quality is indirect
- Enormous requirements to data quality
- Often leads to optimizing current workflows and decision making

We keep hospital care accessible with scalable and responsible AI on all clinical data



We reduce overcapacity and having to cancel care on ICU with our capacity monitor



“We schedule months in advance, but health care changes everyday. The capacity monitor helps us to adjust planning to prevent over- and undercapacity.”

- Rosnie Jankipersadsing,
Teamleader ICU OLVG
Hospital

€300k - €800k Yearly reduction of overcapacity (5%)

60 min saved daily by users

Predicts occupancy, care burden and personnel need for the coming 5 days

We are now increasing patient throughput and enabling AI capacity management on all hospital beds

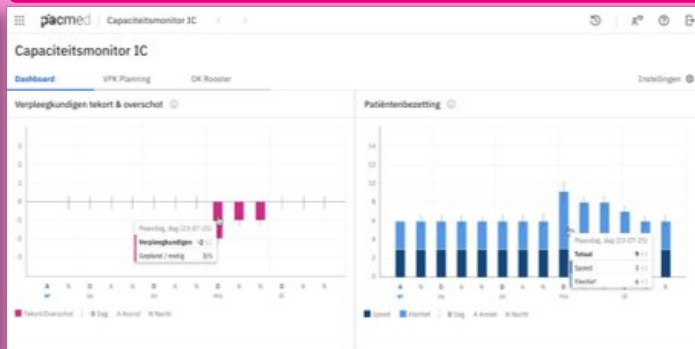
Modules to increase patient throughput and better use capacity

Clinical applications

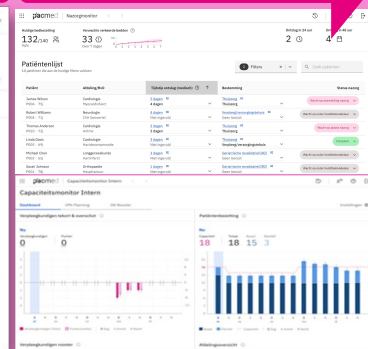
Emergency Room



Intensive Care + Critical Cardiac Unit



Acute departments and wards



Data & AI Platform

One central prediction engine predicts for every admitted patient:

- Length of stay
- Admission stages
- Care need
- Etc.

10 lessons of 10 years of Pacmed

#1 Clinical data is not created for development and application of AI

#2 Implementing AI is 100x harder than developing AI

#3 Scaling solutions is 10x harder than implementing

#4 AI point solutions are not viable

#5 It is great to be an innovator in the Netherlands, but tough to be a medical tech provider

#6 Impact with AI requires flexible and robust organisations focused on scale and true impact

#7 AI readiness of the hospitals is the starting point, multi-factorial and often not sufficient

#8 Only with providerwide solutions we can truly transform health care

#9 Increasing patient flow and optimally using capacity currently has the biggest impact

#10 AI in healthcare requires an open ecosystem and reusable technology



GAMES FOR HEALTH
EUROPE

