

De uitdagende wereld achter de grote **AI** belofte

Visie van een arts-wetenschapper-bestuurder

Prof. dr. Stephanie Klein Nagelvoort Schuit

Vicevoorzitter RvB/Internist Acute Geneeskunde/Hoogleraar Toekomst van de Zorg

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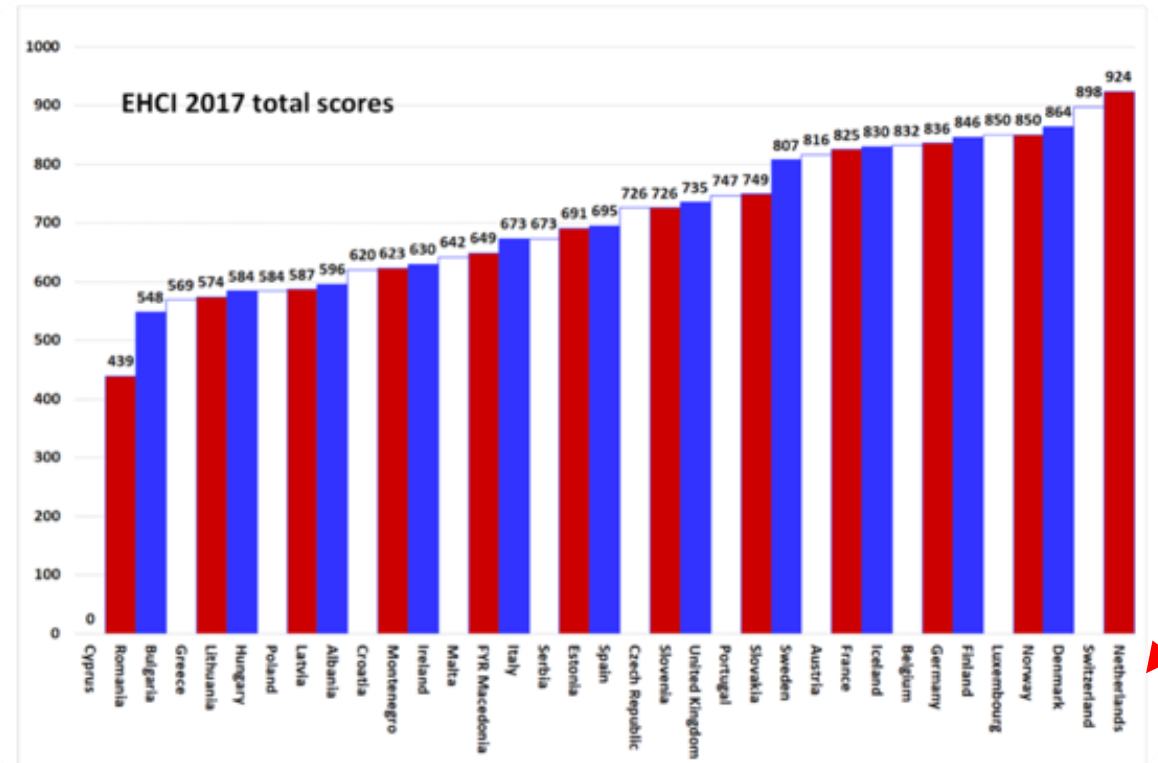
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Commonwealth Fund



Euro Health Consumer Index



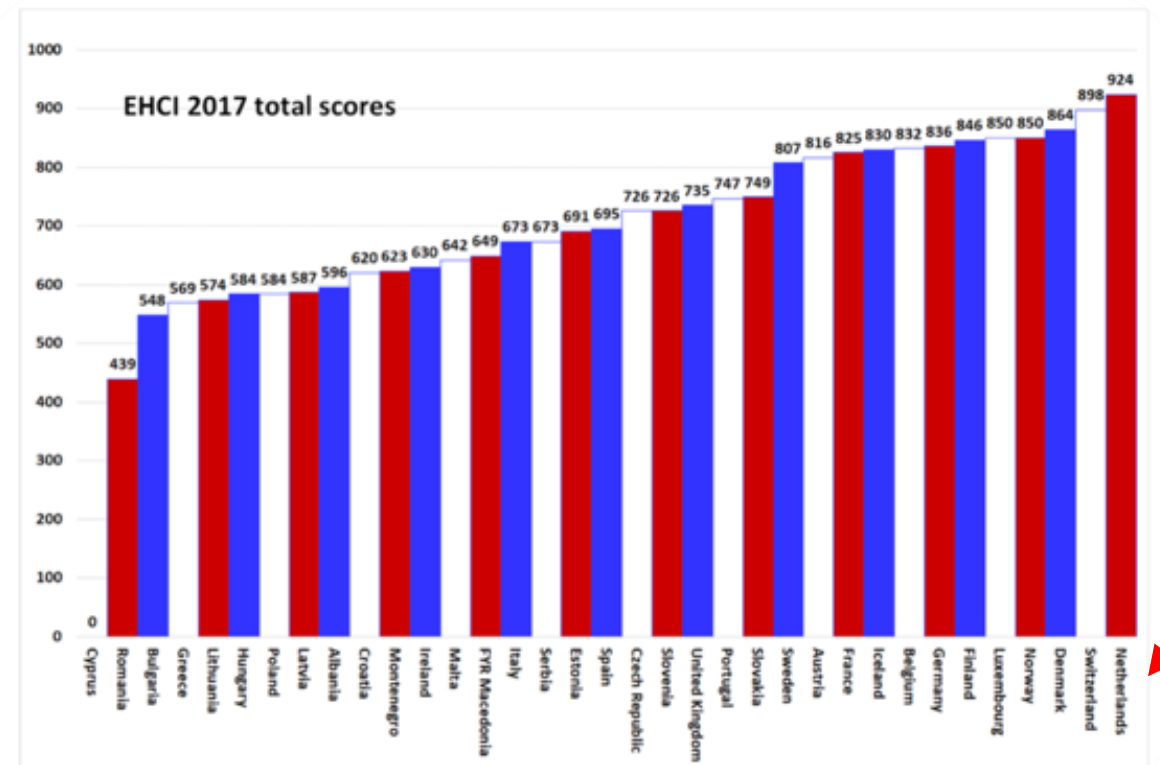


Euro Health Consumer Index

The Netherlands!!!

“The Netherlands is the **only country** which has **consistently** been among **the top three** in the total ranking of any European Index the Health Consumer Powerhouse has published since 2005.”

“One important net effect of the NL healthcare system structure would be that healthcare operative decisions are taken, to an unusually high degree, **by medical professionals** with patient co-participation.





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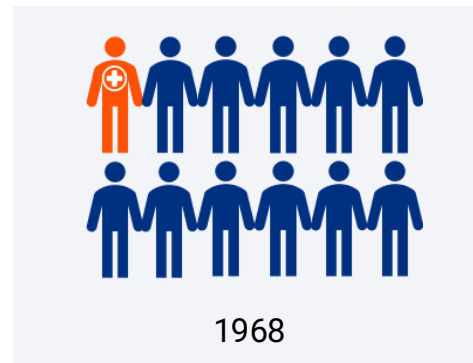
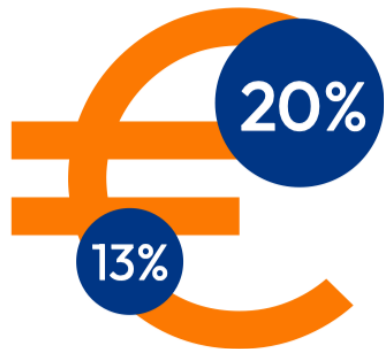


Std

082

35000

Std







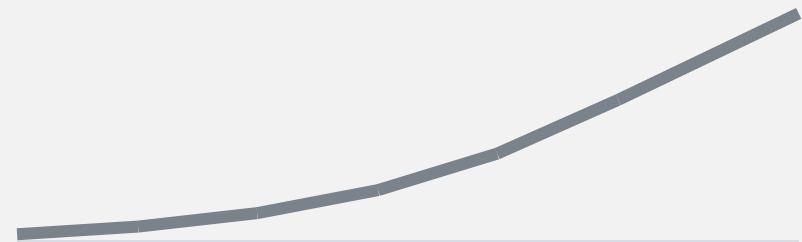


CRISIS

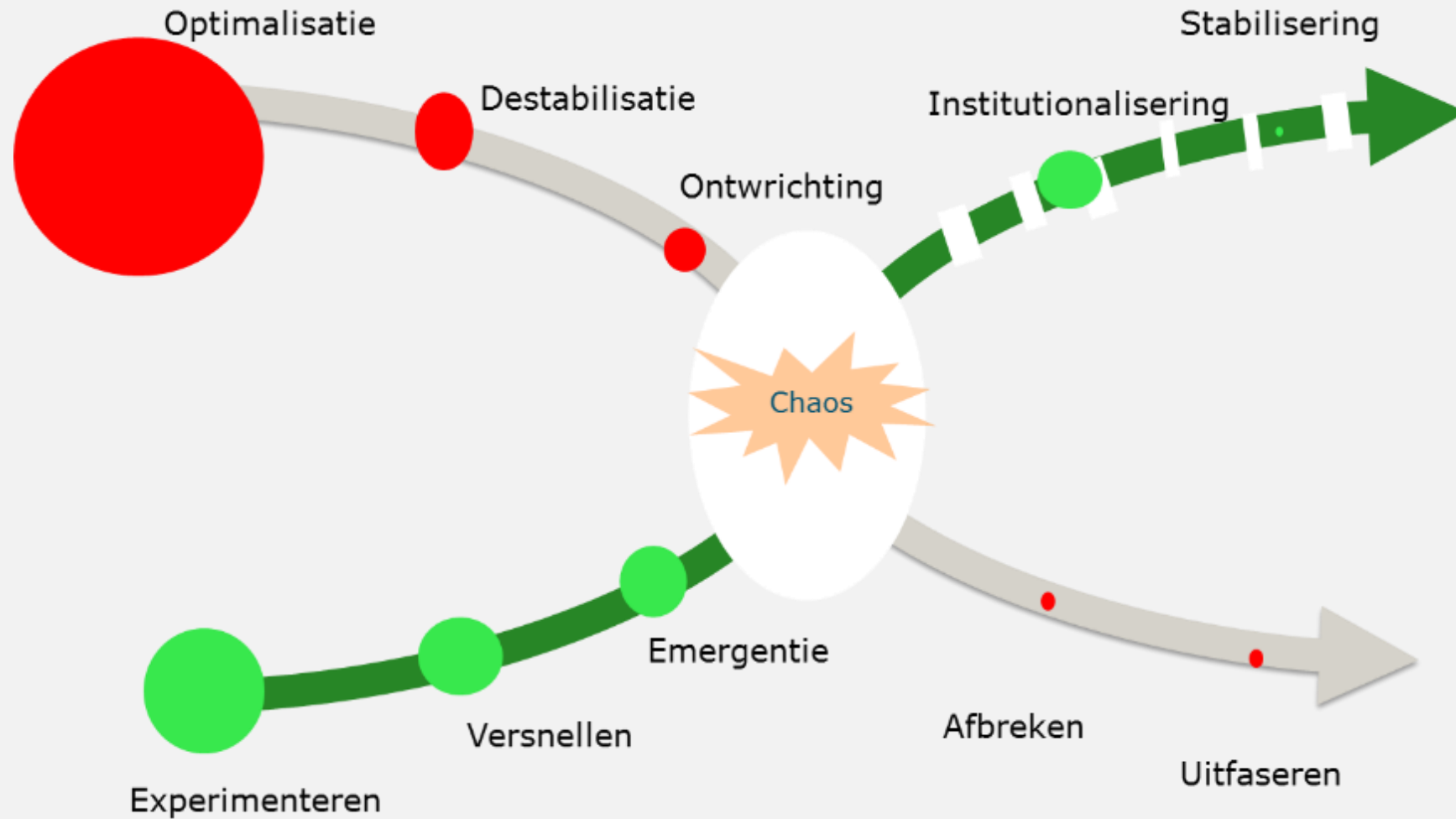


A crisis mobilizes everyone.

TRANSITION



A quiet transition mobilises no one.



Vier transitities die iedereen herkent

Elke keer dezelfde valkuil: het nieuwe doen in de logica van het oude.



1 De fabriek

Nieuwe motor op de oude aandrijfjas. Pas na herontwerp won het.



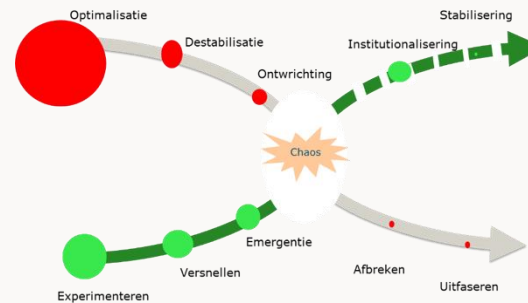
2 De auto

Begon als 'een koets zonder paard'. Toen pas veranderde de wereld.



3 Het roken

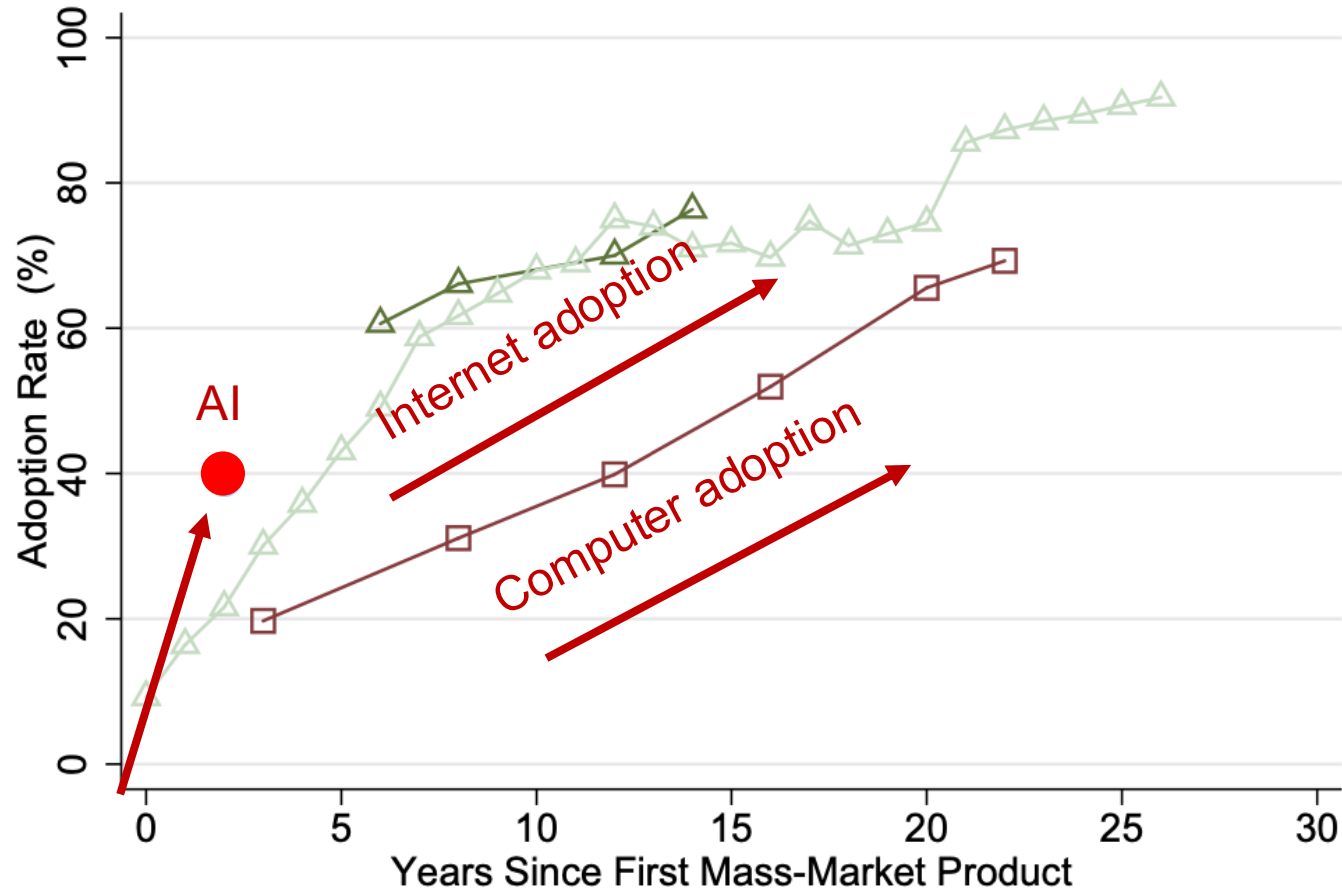
De gevierde norm — tot bewijs er een morele plicht van maakte.



4 Kodak

Vond digitaal zelf uit, bleef in film denken. In 2012 failliet.

Generatieve AI adoptie

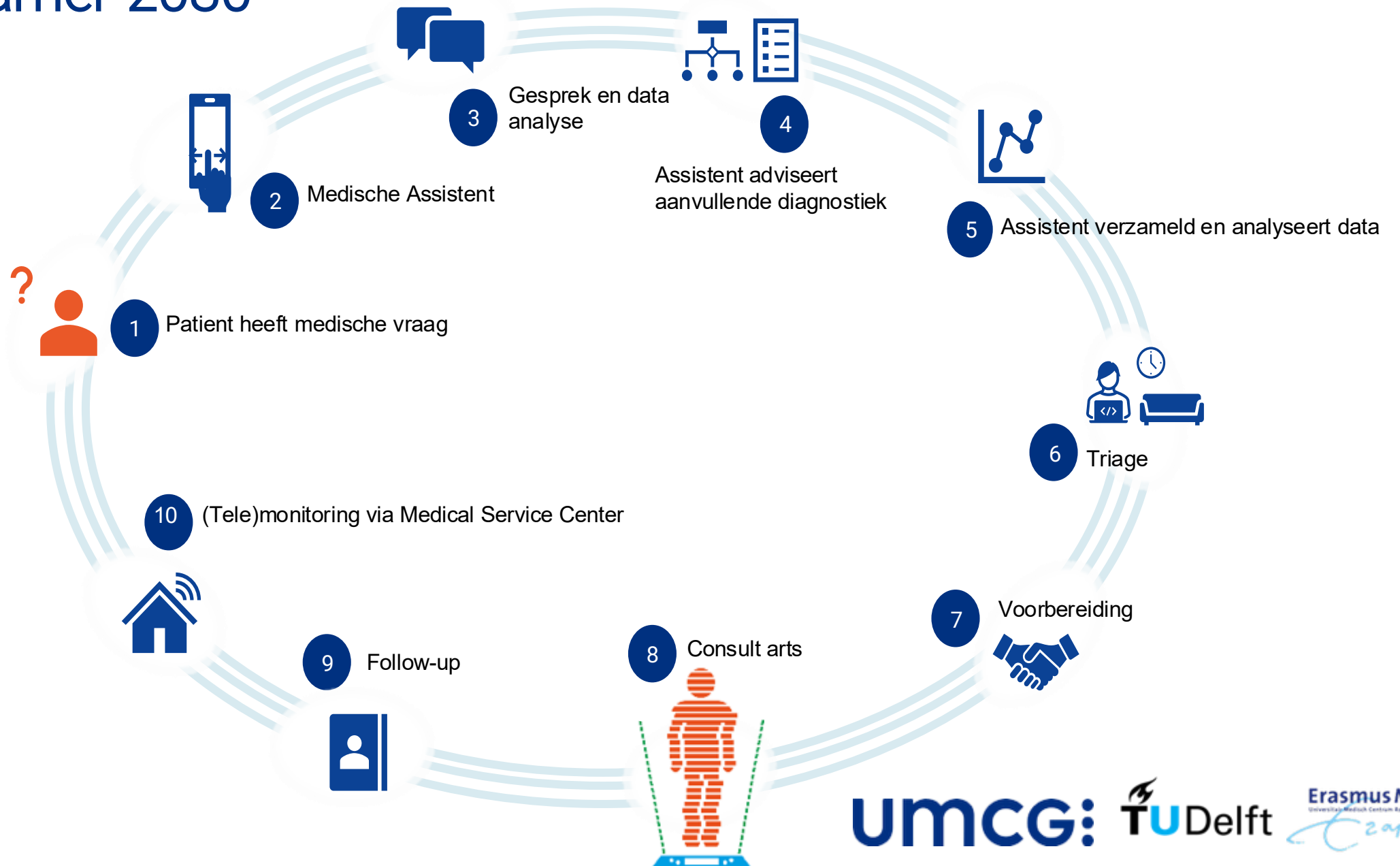


2024 *The Rapid Adoption of Generative AI*. Alexander Bick (Federal Reserve Bank of St. Louis & CEPR), David J. Deming (Harvard Kennedy School & NBER) and Adam Blandin (Vanderbilt University)

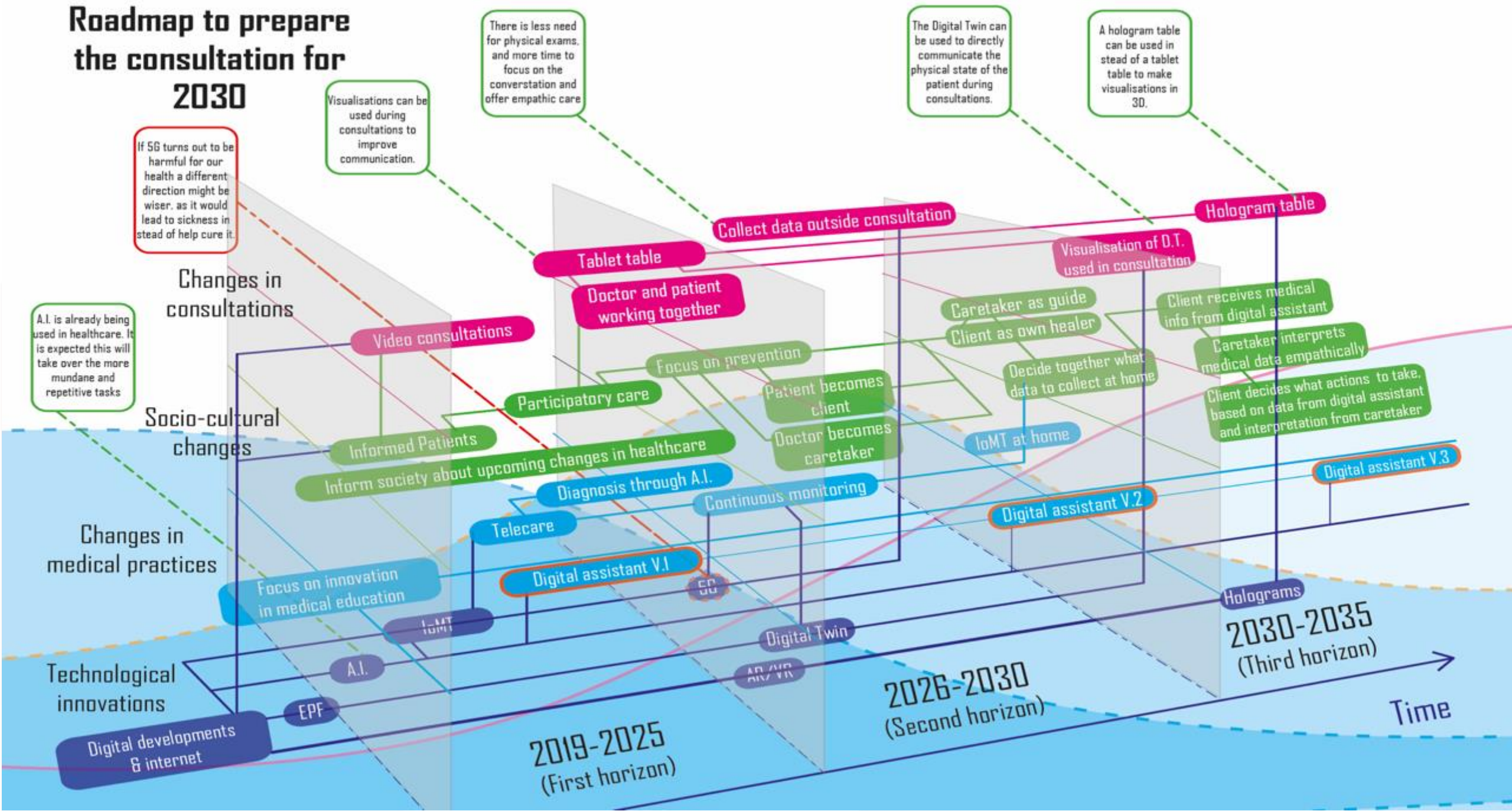


source:
Statista / Business Insider

Spreekkamer 2030



Roadmap to prepare the consultation for 2030



NATURE MEDICINE 2025

nature
medicine

GPT-4 helps with reasoning in test setting

Goh E, et al. GPT-4 assistance for improvement of physician performance on patient care tasks: a randomized controlled trial. Nat Med. 2025;31:1233-1238. doi:10.1038/s41591-024-03456-y

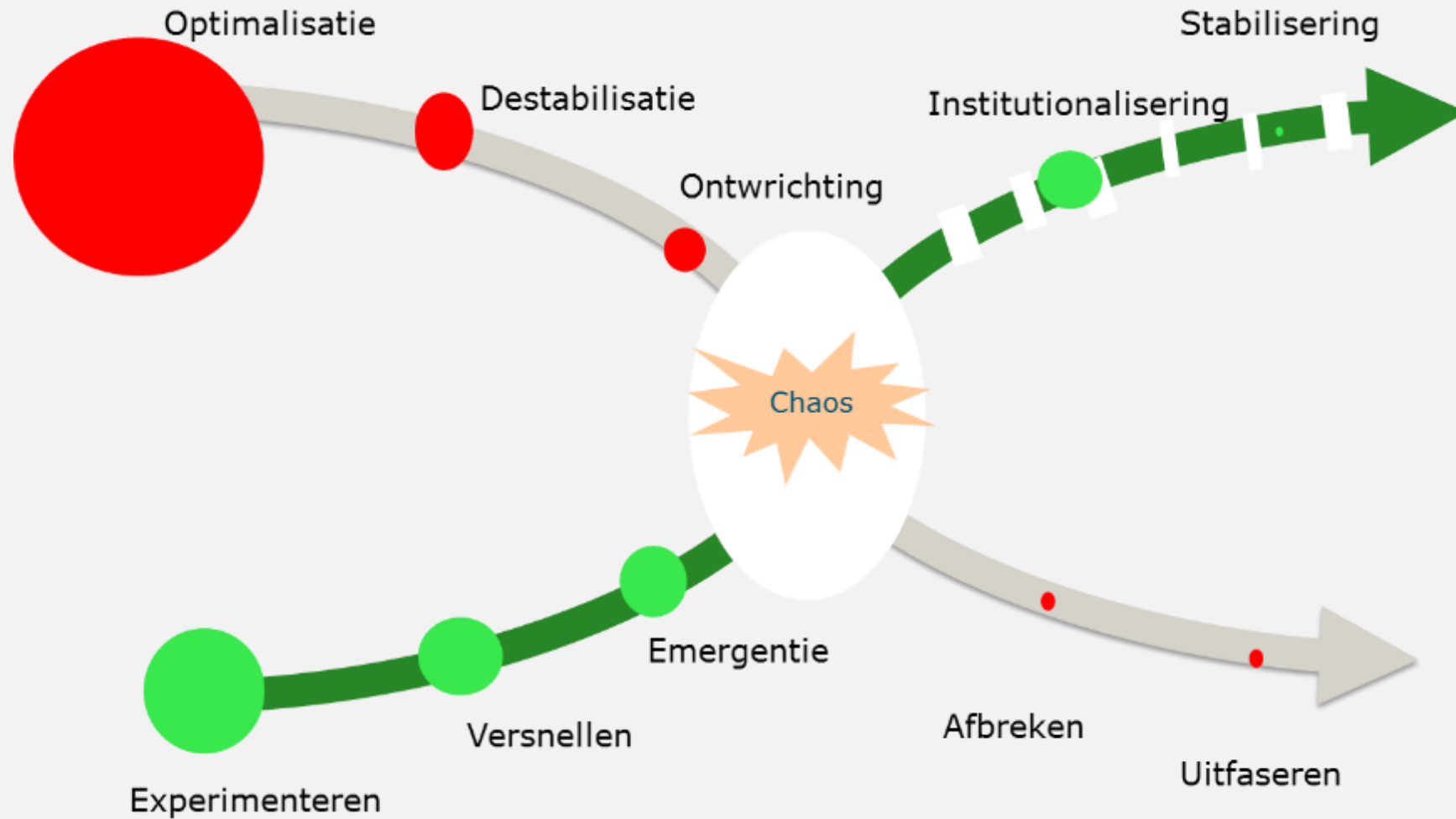


SCIENCE 2026

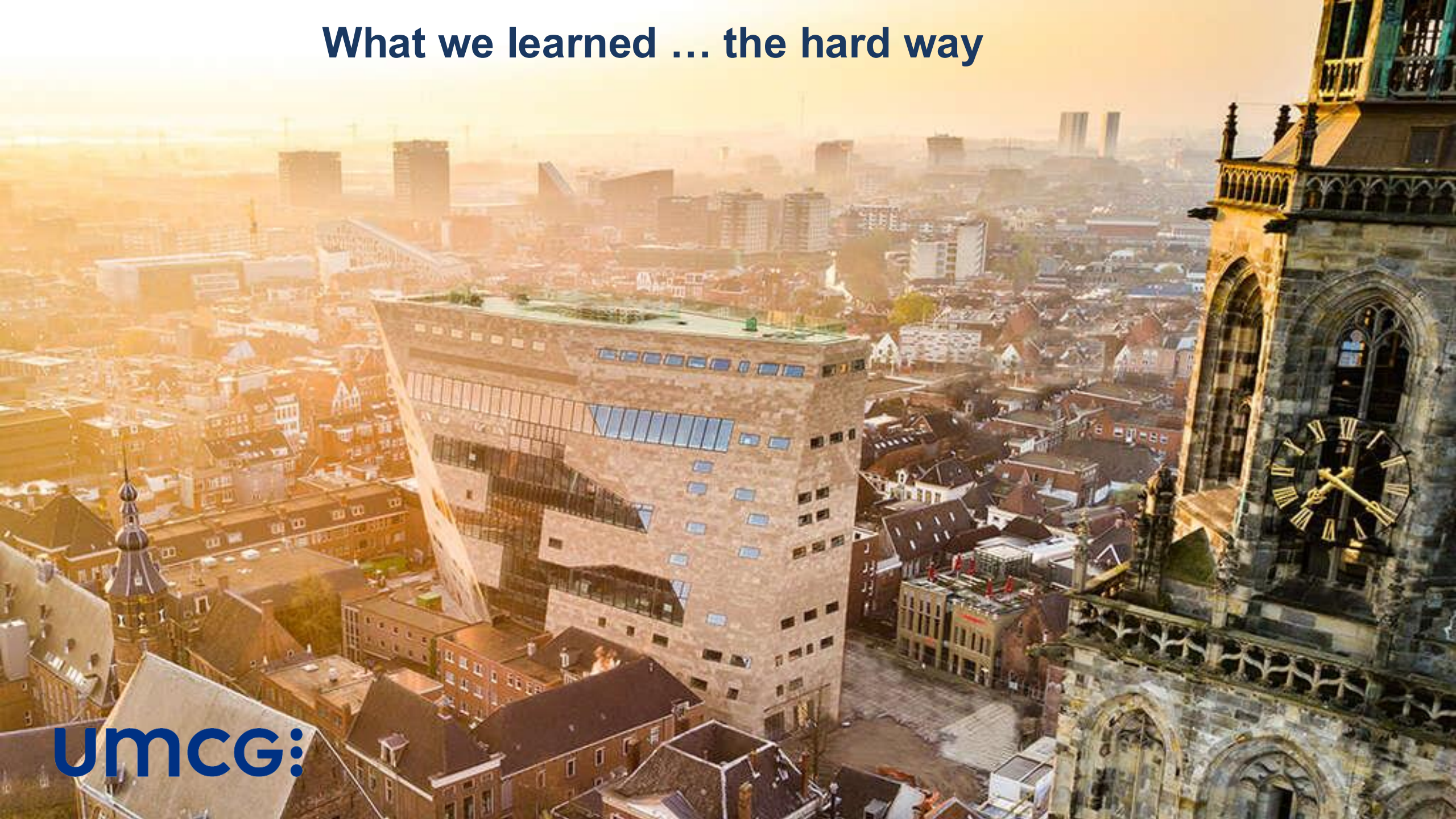
Science

o1 outperforms physicians in ED setting

Brodeur PG, et al. Performance of a large language model on the reasoning tasks of a physician. Science. 2026;392:524-527. doi:10.1126/science.adz4433



What we learned ... the hard way



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Inzicht # 1. Eigenaarschap

umcg:



#samenbeterUMCG

Reclaim 10%

An illustration of two medical professionals, a man and a woman, standing next to a large clock face. The clock face has a blue border and a white center with a blue segment and the text '10%'. A red arrow points from the top of the clock towards the right.

Voor medisch specialisten en arts-assistenten
21 oktober t/m 10 november

Waar ben jij de meeste (onnodige) tijd aan kwijt?
Heb je ideeën over wat er beter kan?
Wat zou je met de vrijgekomen tijd willen doen?
Stuur je ideeën in via de digitale ideeënbox!

A QR code and a smartphone icon with the word 'scan'.



umcg: ::30

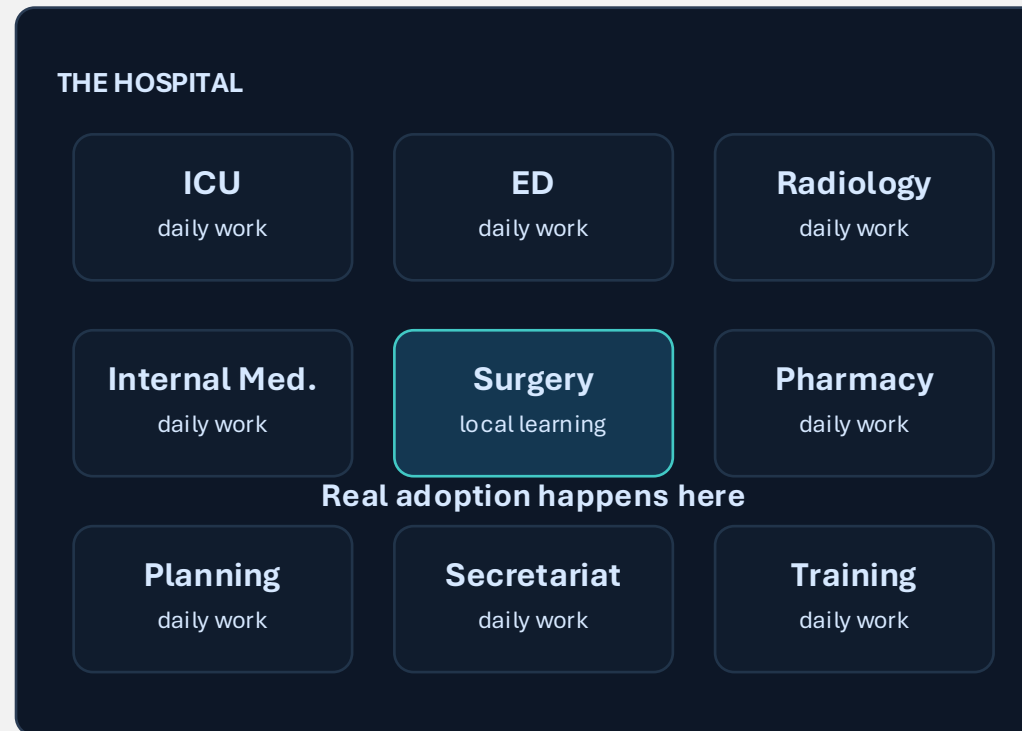
Meer gezonde jaren voor iedereen

GameChangers.

AI READY?



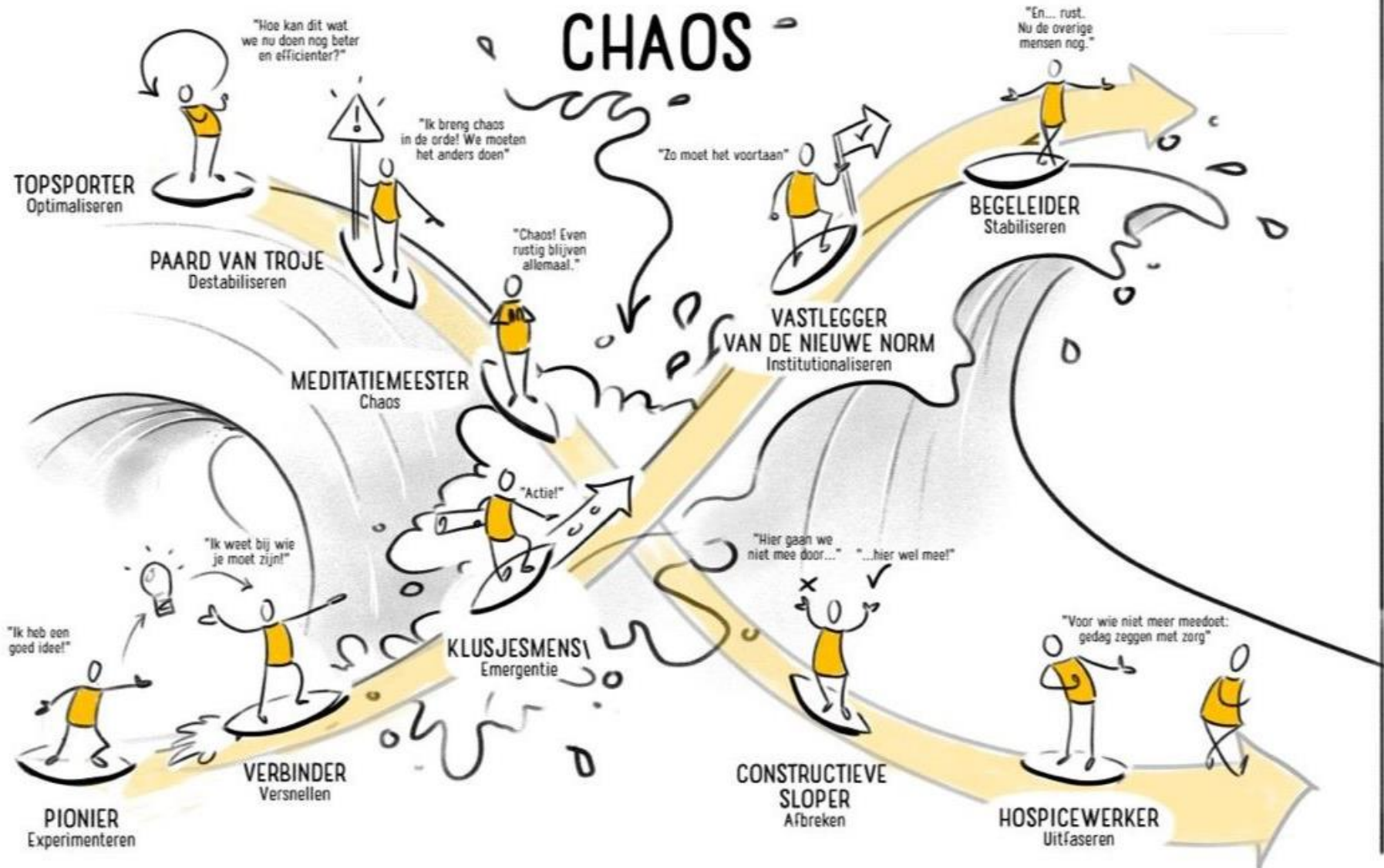
Inzicht # 2. Het team is waar het gebeurt



Wie is de AI professional in jouw team?

ROLLEN IN TRANSITIES: SURFING THE WAVES OF...

CHAOS



Inzicht # 2. Het team is waar het gebeurt

AI learning needs different pathways for different groups.

Leadership is not exempt. The executive board needs training too → AI Bootcamp

Innovators

already experimenting

ExquAlro Bootcamp

depth, speed, technical
fluency

Gamechangers

credible local movers

Koers30 + local AI role

translation into daily
practice

Majority

willing but cautious

ChatUMCG

safe, governed learning by
doing

Laggers

late adopters

do not start here

follow once the majority
moves

The mistake is one generic training offer. The design challenge is to move different groups in different ways.



Noella Verschuren · 2nd
Studente

Groningen, Groningen, Netherlands ·
[Contact info](#)



Rijksuniversiteit Groningen

patient care."

Menno Douwes, *Paediatric
Cardiologist at UMCG*



"The exquAlro bootcamps offers a clear roadmap – from designing studies to running models and presenting results – for effectively applying machine learning in biomedical science"

Elin Kersten, *Pediatric
Pulmonologist at UMCG*

data challenges and make better use of my data. It encouraged me to explore the unknown, to face the uncomfortable, to substantial success, personal and professional.

AI & DATA

BOOTCAMP

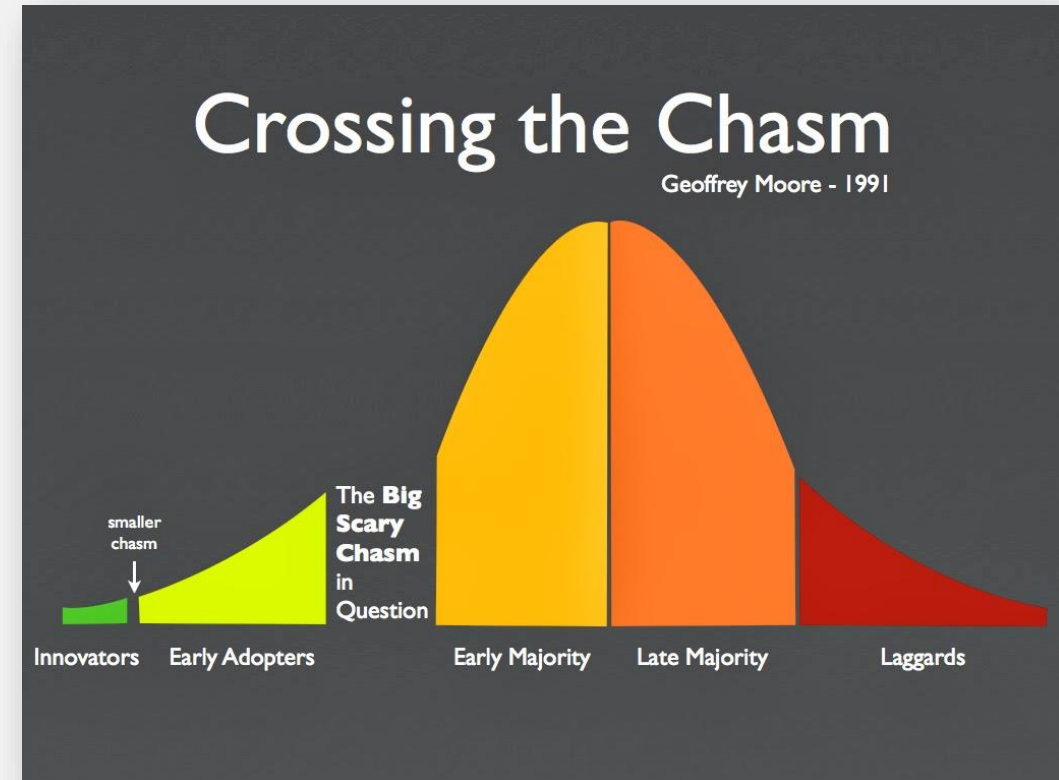
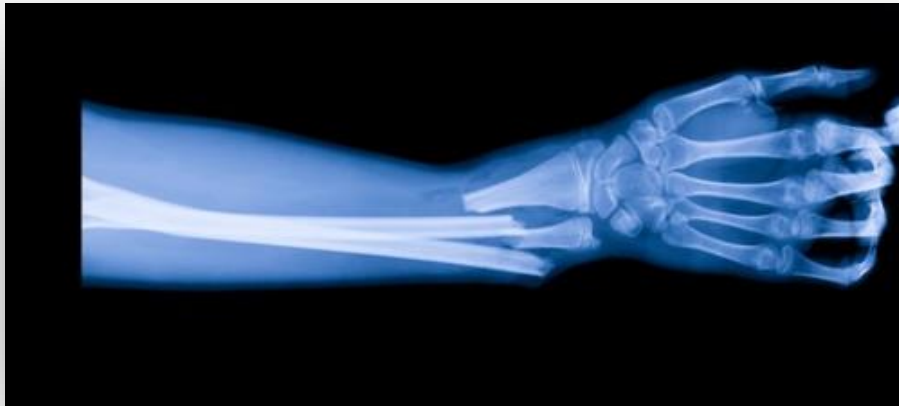
JOIN EXQUAIRO'S AI & DATA BOOTCAMPS TO APPLY AI ON LARGE-SCALE DATASETS, CO-CREATE GROUNDBREAKING RESEARCH PROPOSALS, AND SECURE FUNDING TO TRANSFORM HEALTHCARE.

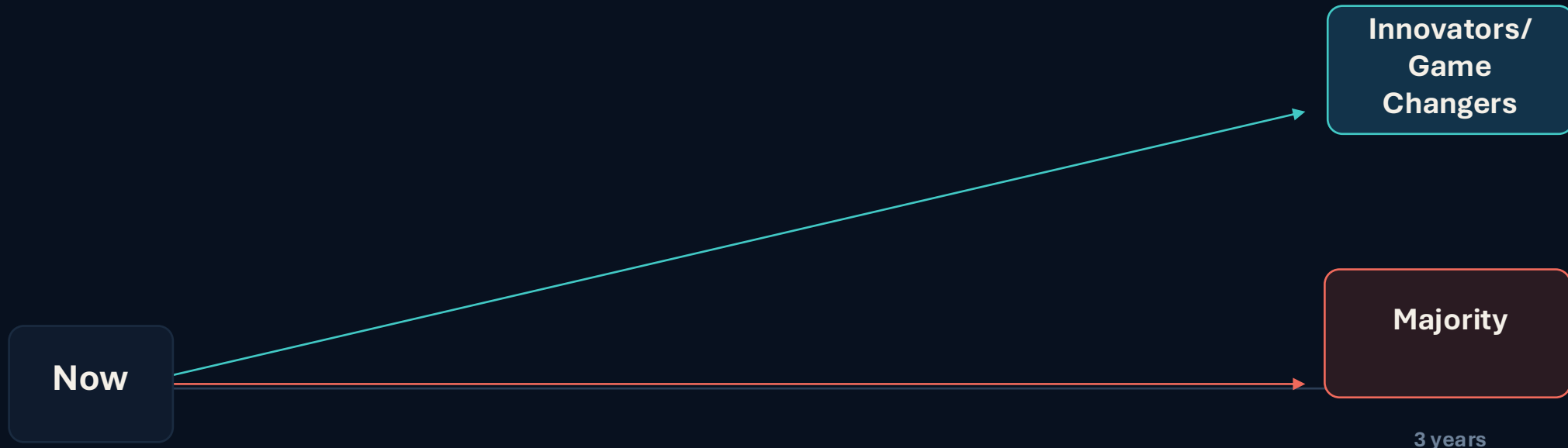
EMPOWERING
BIOMEDICAL
SCIENTISTS AND
CLINICIANS TO
DRIVE MEDICAL
BREAKTHROUGHS
WITH AI

Frank Klont, *Assistant Professor
in Personalized Pharmacotherapy
at the University of Groningen*



Inzicht # 3. Fractuur





capability gap

confidence gap

quality gap

The gap is invisible in today's dashboards. It will surface later in quality, safety and performance.

Inzicht # 4. Veilige plek om te leren

INSIGHT 3

umcg:

Nieuwe chat

Chats

Geen chats beschikbaar

Tips & info

Instellingen

ChatUMCG

Klein Nagelvoort-Schuit, SCE (rvb)

Waarmee kan ik je helpen?

ChatUMCG kan fouten maken. Controleer belangrijke informatie altijd zelf.

Typ een vraag of opdracht...

Suggesties om je op weg te helpen

Toon meer

 Analyseer deze tekst en doe suggesties voor verbetering

 Herschrijf deze tekst zodat het professioneler over komt

 Maak een samenvatting van de belangrijkste punten

Release notes

Disclaimer

Privacy

Richtlijnen

Feedback

Inzicht # 5. Doel helder “Batenmanagement”

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PT (Professional Time) & PSS (Patient Self-Service)

Inzicht # 6. Invester!

Nationaal



Onderzoek

Zorg



Regionaal



Zorgviewer 

 Zorg bij jou



Digizorg



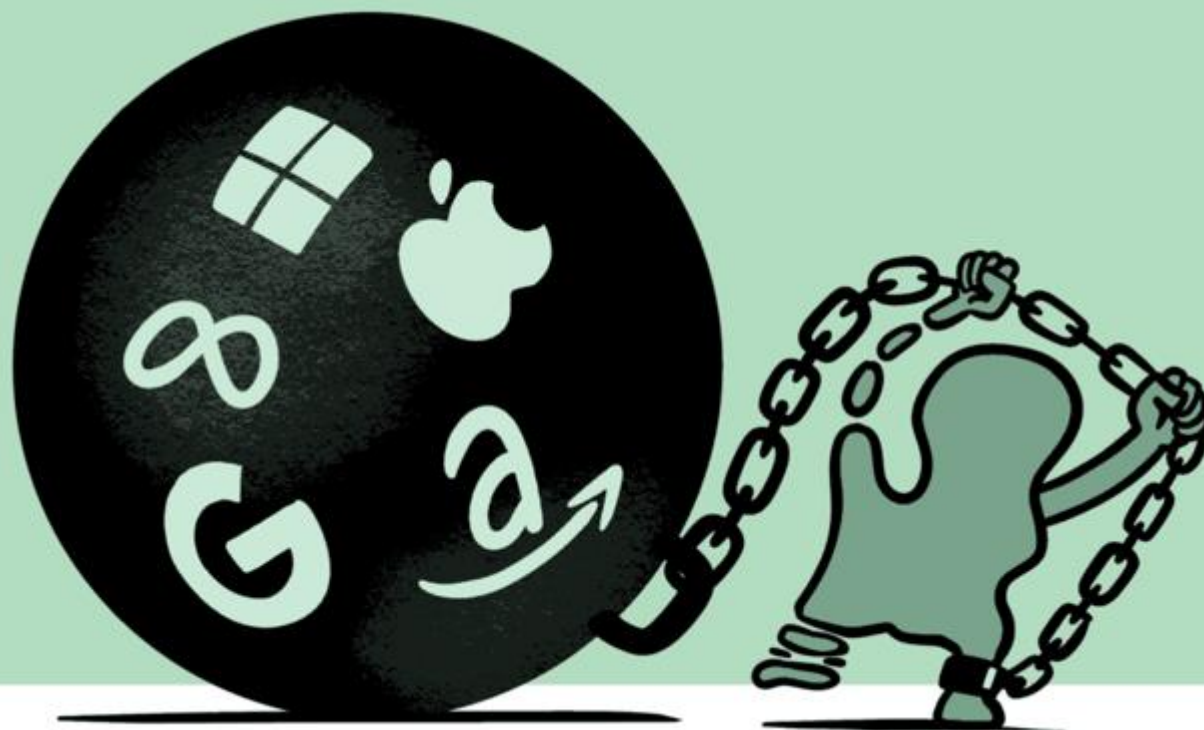
Groningen bouwt een AI-fabriek: hoe Europa wil loskomen van de Amerikaanse techreuzen

Groningen bouwt een nieuwe AI-fabriek en de EU trekt miljarden uit voor 'AI-gigafactories' om los te komen van de Amerikaanse techhegemonie.



Marc Hijink

11 juli 2025



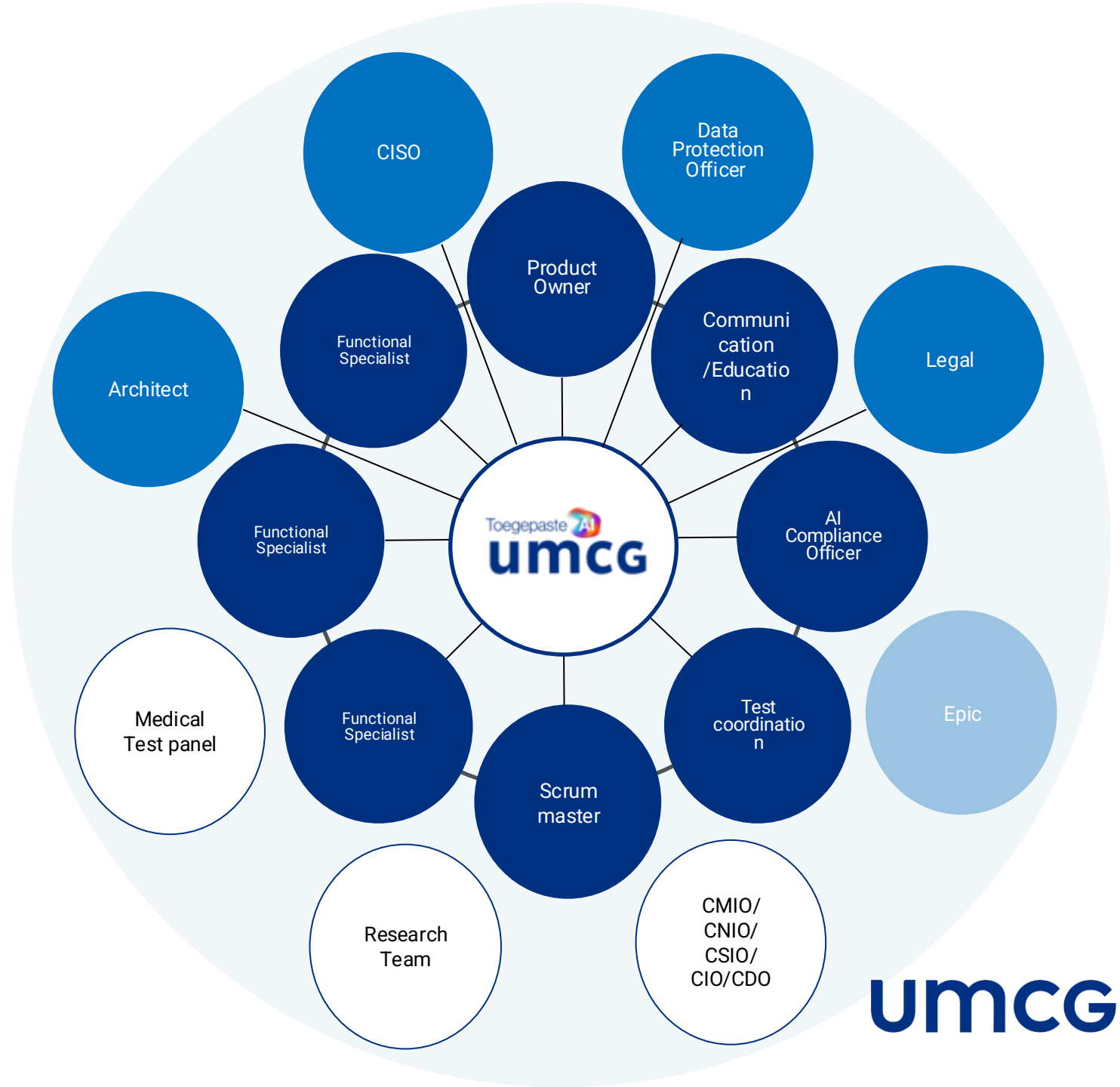
A³ Lab

Applied AI Acceleration

umcg:

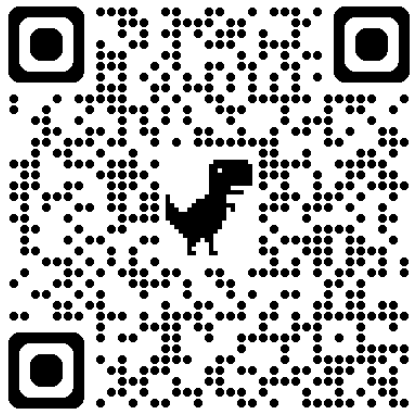
UMCG AI Organizatie

Compliance by design



Inzicht # 7. Leer

UMCGA³
Applied AI Acceleration



Completeness, Correctness and Conciseness of
Physician-Written Versus Large Language Model
Generated Patient Summaries Integrated in Electronic
Health Records

Preprints with THE LANCET

7 minutes *versus* 15.7 seconds

Inzicht # 7. Leer



VAN LANSCHOT
KEMPEN



Unilever



zalando

Vinted

bol.com[®]

Booking.com

Deskilling plan?

De uitdagende wereld achter de grote **AI** belofte

Wat zijn jullie inzichten?

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