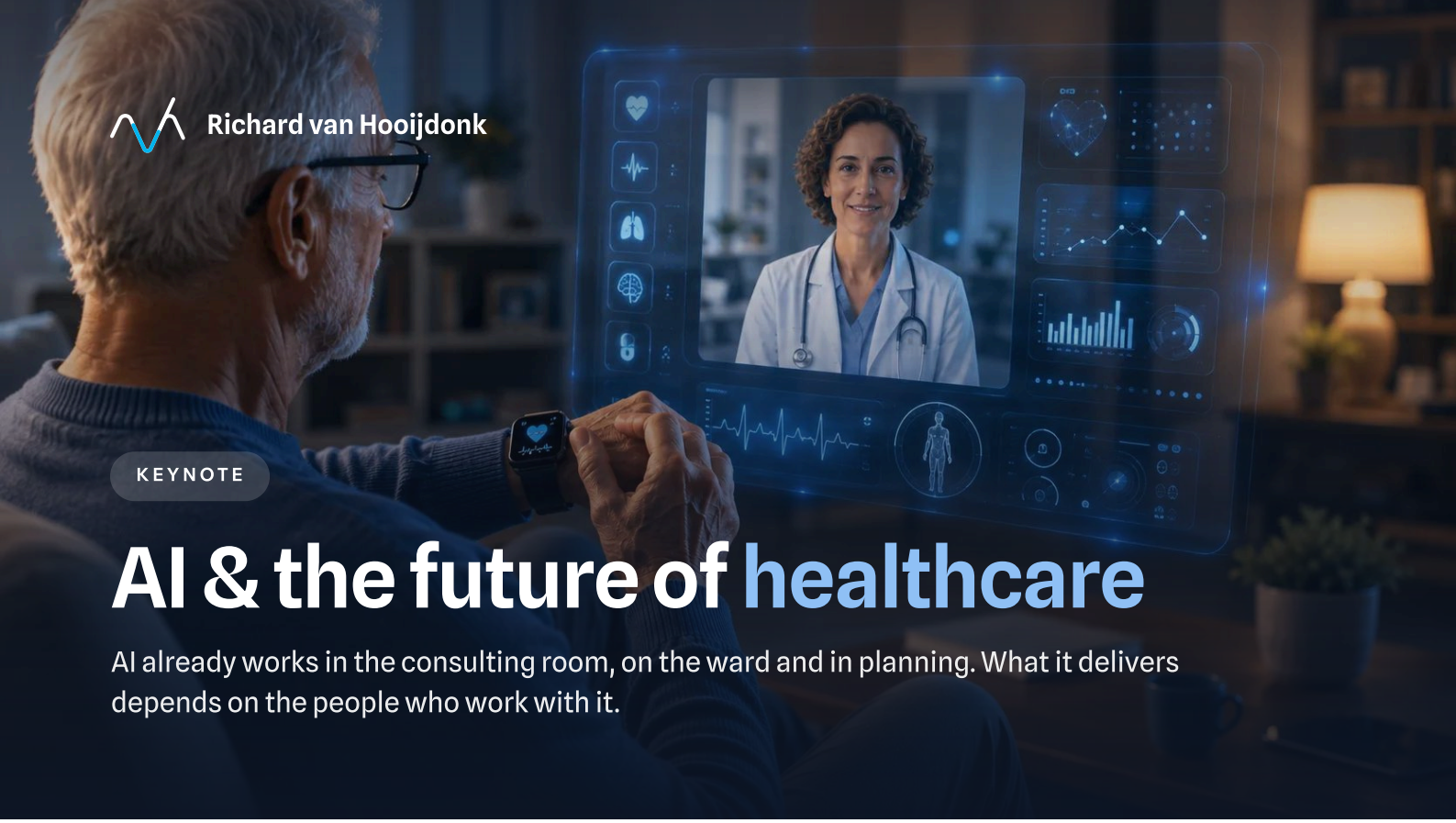


Richard van Hooijdonk

KEYNOTE

AI & the future of healthcare

AI already works in the consulting room, on the ward and in planning. What it delivers depends on the people who work with it.

More patients, more older people, fewer hands. The numbers no longer add up.

With examples from the consulting room, the ward and planning, trend watcher and futurist Richard van Hooijdonk shows how AI is already changing healthcare and what AI and new technology could still mean for it. As people and technology work side by side more often, big decisions come up. In many parts of healthcare, AI has stopped being an experiment. It reads mammograms alongside the radiologist, writes up the notes while the doctor looks at the patient, gives earlier warning of possible sepsis and allocates beds and shifts. Meanwhile, exoskeletons help nurses lift, a capsule measures the gut from the inside and a heart failure patient is monitored at home, with the hospital watching from a distance. The hardest change is not technical. It is about who does which work, how teams work together and which decisions boards can no longer put off. The keynote shows what works now, what still has to prove itself and what is mostly promise. You leave knowing how AI can support healthcare professionals, and what this requires of teams and boards.



RICHARD VAN HOOIJDONK

Richard van Hooijdonk is a trend watcher, futurist and international keynote speaker. Many trend watchers and futurists look at the future from a distance. Richard van Hooijdonk lives in it. His team consists of people and AI agents, and he has several chips implanted in his body. He speaks about AI and new technology, the organisation of the future and leadership in the AI era. He takes you into a future you can barely picture today, and shows how you can steer it yourself.

3,000+	650,000+	30+	Bestselling
keynotes	participants	countries	author

What the keynote covers

NOW AI in healthcare



01 AI as a second pair of eyes

AI reviews scans, skin photos and retinal images alongside the clinician and flags abnormalities. The doctor makes the call.



02 The AI scribe in the consulting room

AI listens in during the consultation, then drafts the notes and a referral letter. The doctor stays focused on the patient and signs off the drafts.



03 Smart triage and planning

AI forecasts how busy the emergency department will be and who is likely to be admitted, so a bed is ready before the decision is made.



04 Early warning

AI searches heart rate, breathing and lab results for signs of deterioration, and can raise the alarm before it shows at the bedside.



05 Agents and the digital care worker

IN PILOTS

AI agents answer the phone, book appointments and call patients back. Clinicians decide what the agents may do and step in when needed.



06 Language models and the AI patient

Language models help think through complex clinical questions. Patients increasingly use AI to make sense of their results before the appointment.



07 Tailored treatment and prognosis

From tissue images and patient data, AI predicts how a disease will progress and who will benefit from which treatment.



08 AI in mental health care

IN PILOTS

AI supports therapists with assessments and notes; a chatbot guides exercises between sessions. The therapist stays in charge.



09 Medicines designed by AI

IN PILOTS

AI finds drug targets, designs molecules and predicts protein structures. The lab tests what the model proposes.

COMING NEXT Technology changing healthcare, with AI as the engine



10 Care and surgical robots

Robots sharpen the surgeon's precision and take on heavy work, from lifting patients to preparing chemotherapy. AI makes them more independent.



11 Wearables and the smart pill

Watches, patches and swallowable sensors measure around the clock. AI pulls out of that stream the signals a clinician needs to see.



12 The smart home in elderly care

Sensors pick up a fall or a changing daily routine. AI flags the change; the community nurse judges what is needed.



13 The hospital at home

Patients with heart failure or recovering from surgery get better at home, with sensors and specialists watching from a distance.



14 Repairing DNA

DNA is edited to treat inherited diseases, and in trials cancer vaccines are designed for each patient. AI helps with the design.



15 Printing and growing

IN PILOTS

Printed tissue, mini-organs in place of lab animals, a pig kidney in a human and made-to-measure medicines from a 3D printer.



16 Neurotech and the made-to-order human

IN PILOTS

Implants have eased Parkinson's tremors for years and let paralysed people control a computer. Restoring is shifting towards enhancing.



17 VR and AR in healthcare

VR therapy can ease chronic back pain and anxiety in people with psychosis. With AR, the surgeon sees the scan in front of them.



18 The far horizon

FUTURE SCENARIO

A digital twin of the patient, nanorobots in the blood, quantum computers designing drugs: some of it is on its way, some is still hype.

PEOPLE & ORGANISATION

The healthcare organisation of the future



19 The AI-first organisation

In healthcare, AI and robots do the work clinicians need not do, including planning and forecasting. That can free up time for the patient.



20 New roles and specialisms

Clinicians check AI advice, specialists keep watch over algorithms and existing disciplines change. That calls for new knowledge.



21 People and AI in one team

AI helps with notes, planning and patient analysis, and an agent prepares the treatment. The nurse checks and steps in.



22 Leadership in healthcare

Today's leaders take the initiative on AI and new technology, and bring clinicians with them to build the healthcare of the future together.



23 Culture and behaviour

Change is not about technology. It is about whether clinicians and leaders are willing to explore new opportunities, and then take them.



24 The future academy

In a future academy, staff learn to work with AI and new technology, with their own work as course material. The organisation picks the skills.



25 Growing with an ecosystem

Organisations take on an ageing population and staff shortages together, with start-ups, scientists, partners and governments at home and abroad.

THE OTHER SIDE

The other side: responsibility and risk



26 Data as the foundation

AI only works when data from every department is available, reliable and connected. That is the foundation of a healthcare organisation that works with AI.



27 Reliability and liability

AI can get things wrong too. Audits, oversight and safety limits reduce the risks. Who is liable for a mistake has not yet been settled.



28 Cybercrime in healthcare

Patient data and hospital systems attract criminals, and AI puts them within easier reach: through ransomware, hacking and cloned voices.

DURATION
30, 45, 60 minutes or longer, with time for questions

LANGUAGE
Dutch or English

FORMAT
On location or online

FEE
On request

PLUS

"Richard succeeded excellently in waking up our leaders and setting them on the path to the future: after the lecture, discussions took place across various parts of the organisation about the topics covered, and initiatives have been set in motion."

Aart van Haren Managing director, PLUS

Deloitte.

"A dazzling journey through new technology. The enthusiasm and energy during his presentation, combined with the visuals, provided a successful kick-off to our event."

Patrick Steemers Partner, Deloitte

Interested in a keynote for your healthcare event?

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