Welkom op het

SANA.

SUMMIT

deel je kennis en inzichten

#SANASUMMIT

FUTURE OF HEALTH – LUCIEN ENGELEN

VERBINDING – JAN RAMAEKERS, FOUNDER SANANET

GEZAMENLIJKE ONTWIKKELING VAN EEN E-COACH
GOVERT VELDHUIJZEN, MDL-ARTS

INTEGRATIE EN THUISMETEN VAN VITALE WAARDEN
CASPER EURLINGS, CARDIOLOOG
LAURA BREUKEL, CARDIOLOOG
INGRID WEGMAN, VERPLEEGKUNDIG SPECIALIST

14.45 – 15.30 pauze

DE INZET VAN AI IN DE ZORG
ANDRE DEKKER, KLINISCH FYSICUS

TELEMONITORING OP DE WERKVLOER: FABELS EN FEITEN
THEA KORPERSHOEK, VERPLEEGKUNDIG SPECIALIST
MARIEKE ZWIJNENBURG, MDL-VERPLEEGKUNDIGE

ZORGEVOLUTIE: DE IMPACT VAN 1.600(!) PATIËNTEN IN DE VIRTUELE LONGKLINIEK OLVG
PAUL BRESSER, LONGARTS

17.00 Afsluiting en Borrel

SANA. SUMMIT

Lucien Empton
Transform Health

$a^2 + b^2 = c^2$

$L = \frac{\pi R}{2}$

$\lim_{x \to x_0} [f(x) + g(x)]$

$s = \sqrt{r^2 + h^2}$

$\pi = 3,141592$

$a(b+c) = ab + ac$

$|a| = |-a|$

$\pi = 3,141592$

$\frac{n!}{r!(n-r)!}$

$|a| = |-a|$

$b^2 = (a+b)^2$

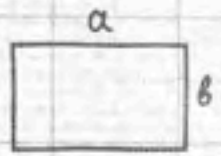
$y_0 = b\,x_a$

$\sec(-x) = \sec(x)$

$C = 2\pi r$

$A + B + C = 180°$

$\log_a x = \frac{\log_e x}{\log_e a}$



$y = f(x)$

$\operatorname{ctg} \frac{\alpha}{2} = \frac{1+\cos\alpha}{\sin\alpha}$

$(ab)^n = a^n b^n$

$\frac{a+b}{c} = \frac{a}{c} + \frac{b}{c}$

$L = \frac{\pi R}{2}$

$b^2 = (a+b)^2$

$V = \frac{4}{3}\pi r^3$

$C = 2\pi R$

$a^2 + b^2 = c^2$

$ab + ac = a(b+c)$

$(ab)^n = a^n b^n$

$\log_a x = \frac{\log_e x}{\log_e a}$

$\frac{n!}{r!(n-r)!}$

$\triangle ABC \sim \triangle ADC$

$\triangle ABC \sim \triangle ADC$

$A = s^2$

$\sin^2 \frac{\alpha}{2} = \frac{1-\cos\alpha}{2}$

$C = 2\pi R$

$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$

$\frac{a+b}{c} = \frac{a}{c} + \frac{b}{c}$

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Lucien Empton
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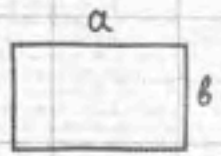

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Healthcare has a plumbers problem

Healthcare has a plumbers problem

Radboud umc

Singularity UNIVERSITY

MEDNEXT

ErasmusMC

HIMSS

Radboud umc

Singularity UNIVERSITY

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ErasmusMC

HIMSS

Radboud umc

Singularity UNIVERSITY

MEDNEXT

ErasmusMC

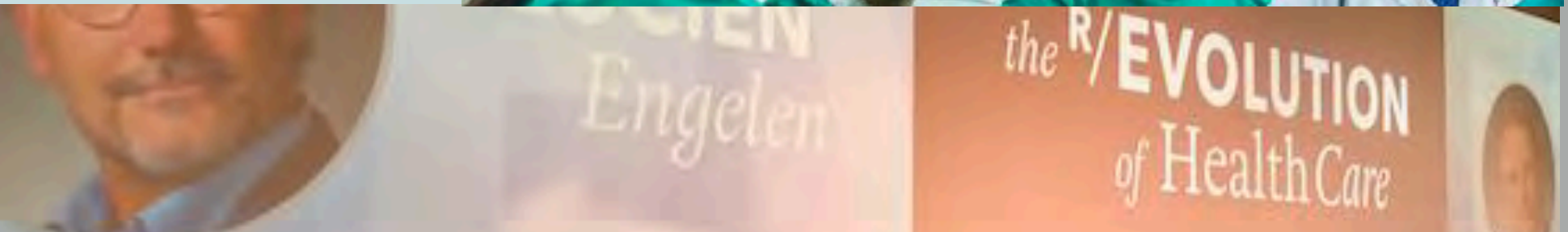
HIMSS

Radboud University Medical center
Founding Director REshape Center
until 31/12/18

Deloitte Center for the Edge
Edge Fellow (digital) Health(care)
as of 1/1/2019

Laurentius Medical Center
Strategist to Executive Board
as of 1/4/2021

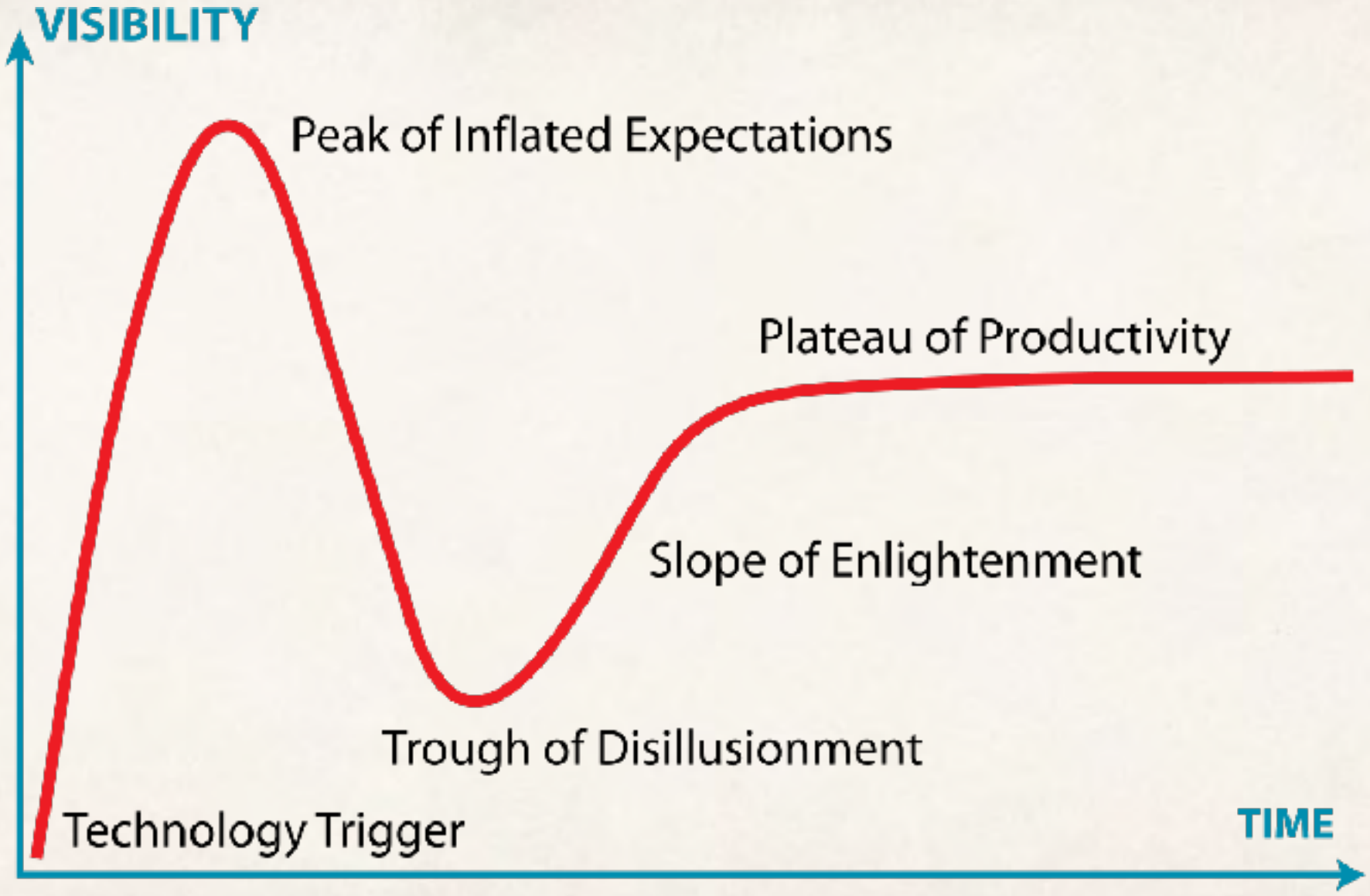
Sigma Theta Tau
Global Ambassador
Nursing Innovation
as of 1/12/2017



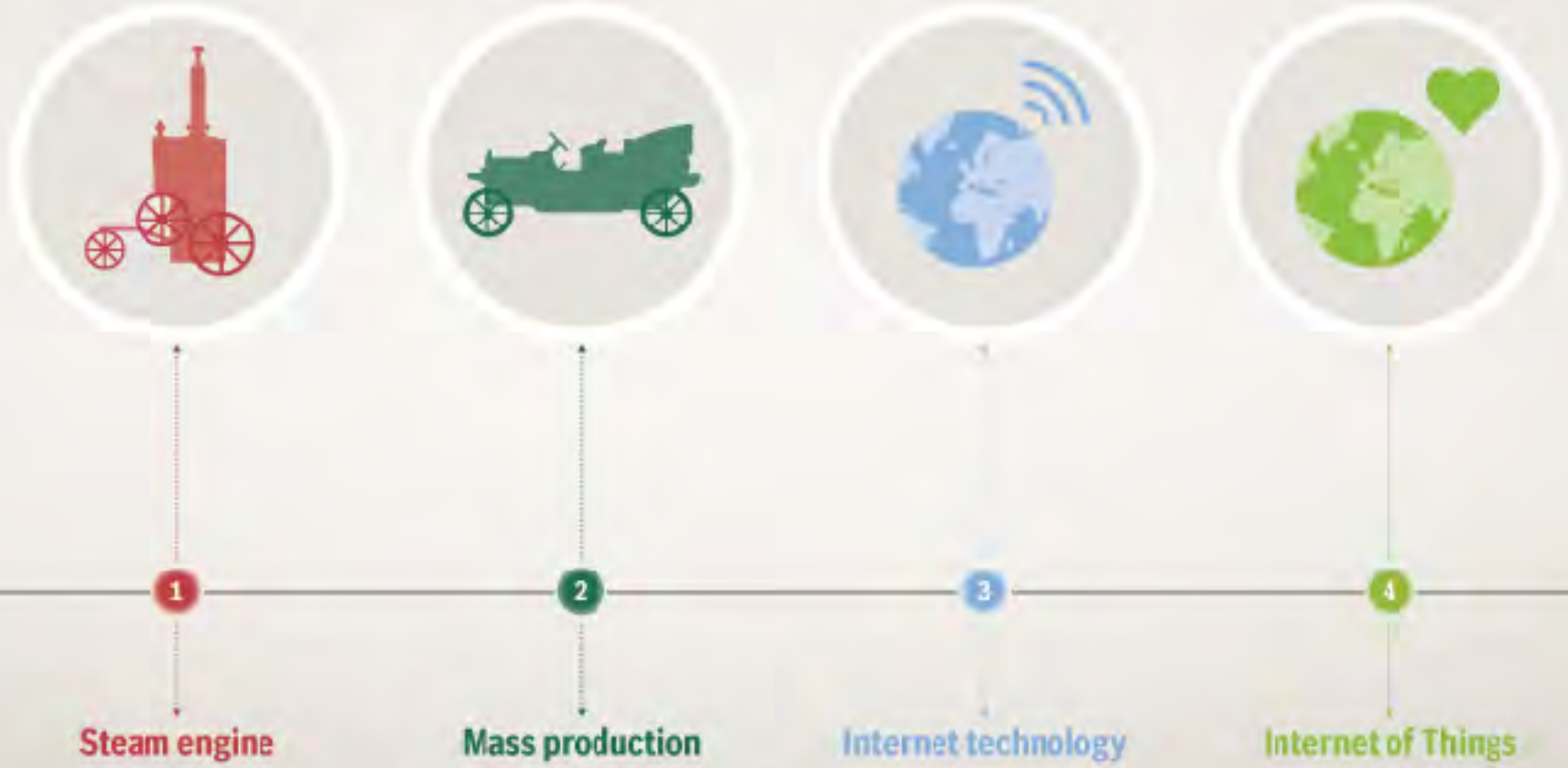
Global Keynote Speaker
125+ per year
as of 1/1/2010

KTLA
CNN

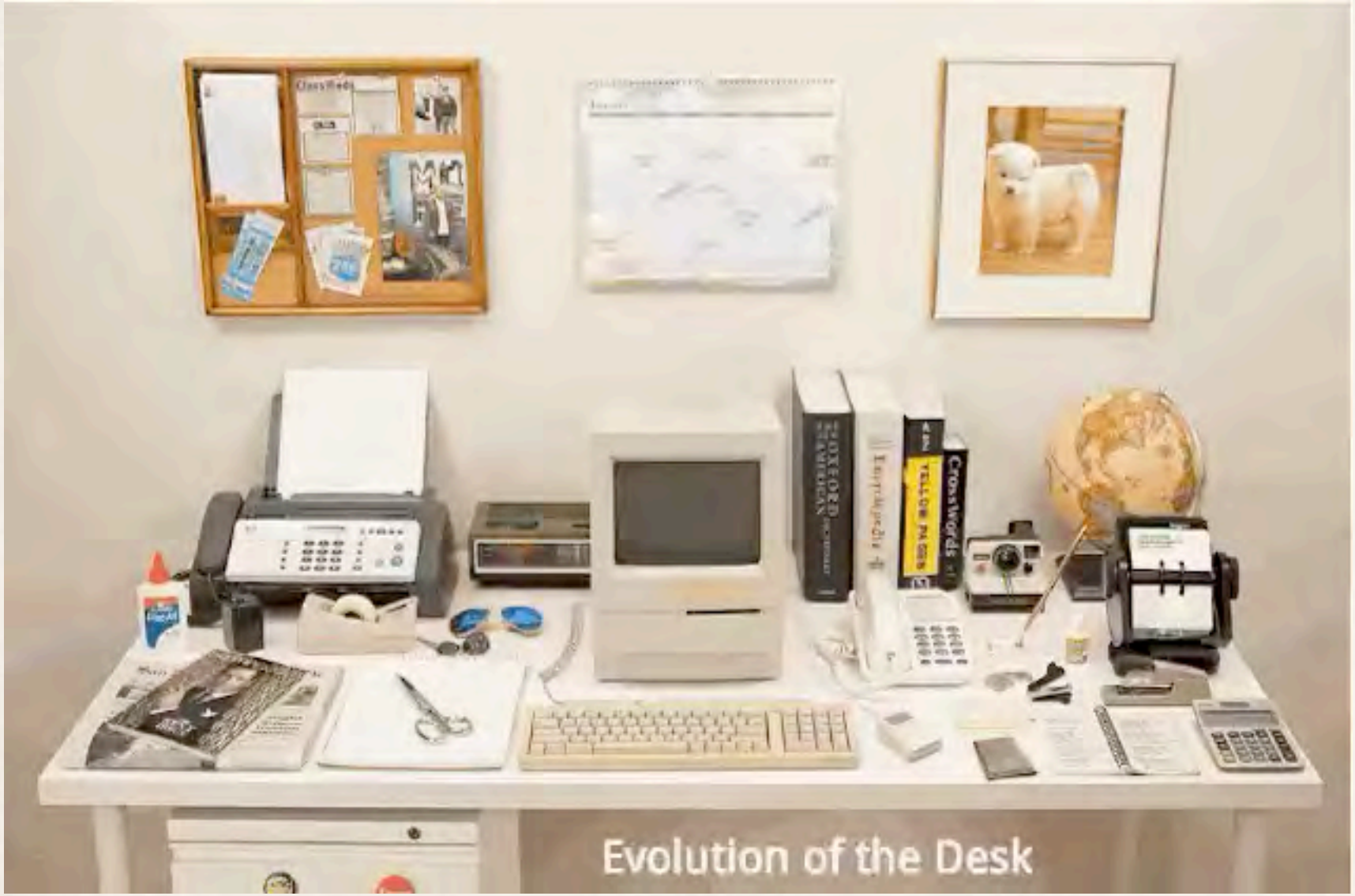
KTLA
CNN


VISIBILITY
Peak of Inflated Expectations
Plateau of Productivity
Slope of Enlightenment
Trough of Disillusionment
Technology Trigger
TIME

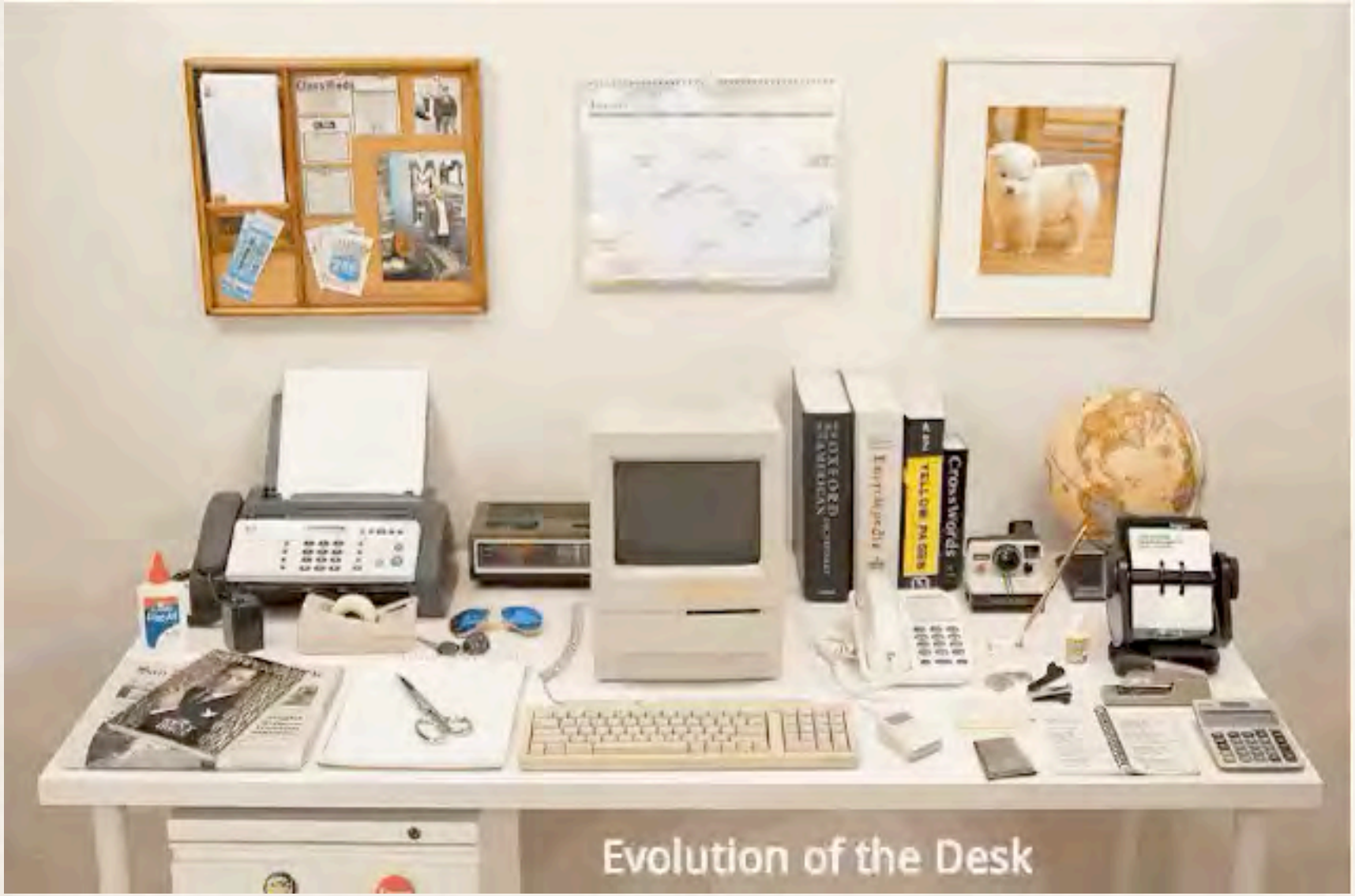
FOURTH INDUSTRIAL REVOLUTION



©lucienengelen



Lucien Engelen
Transform Health



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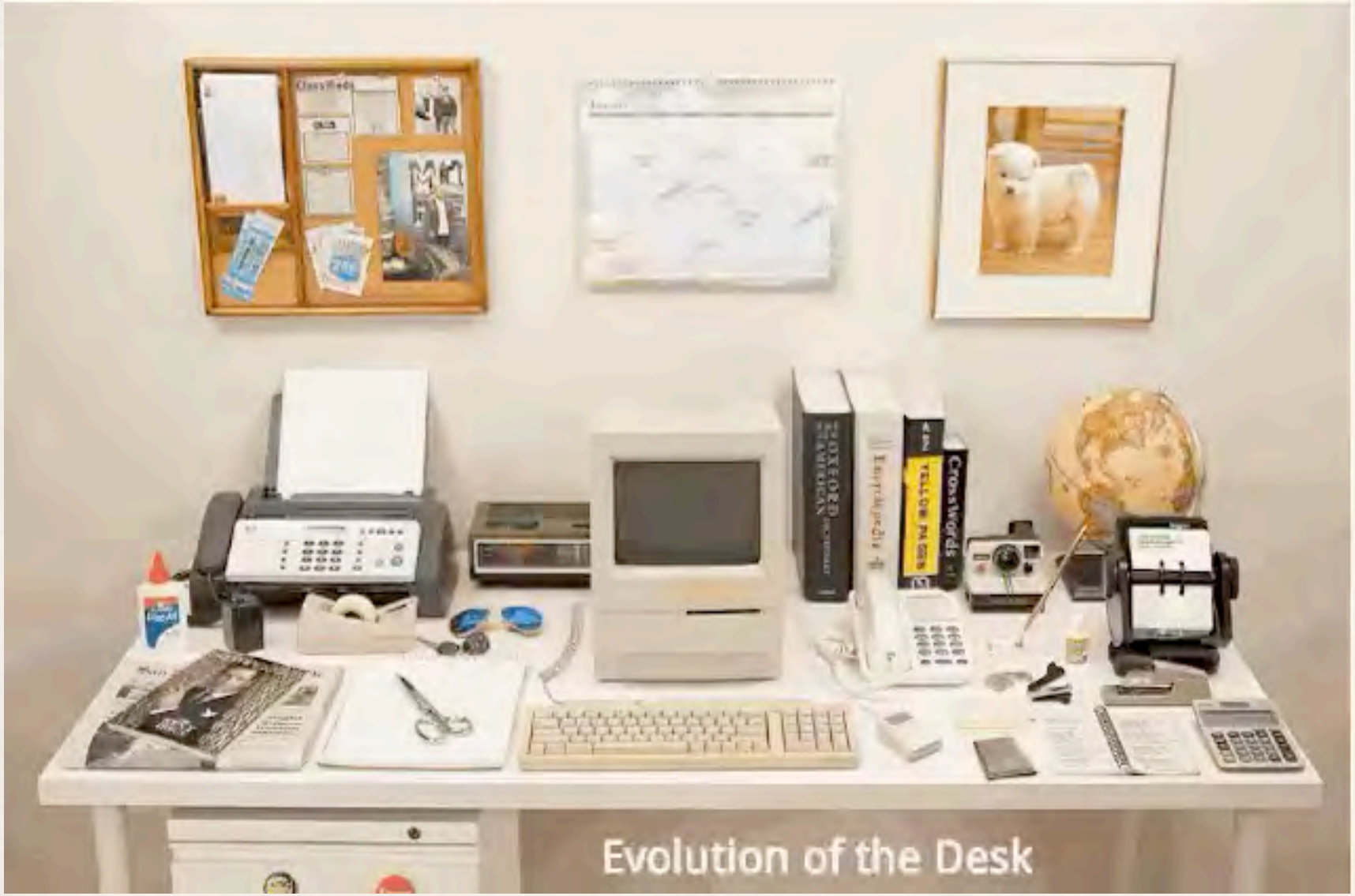
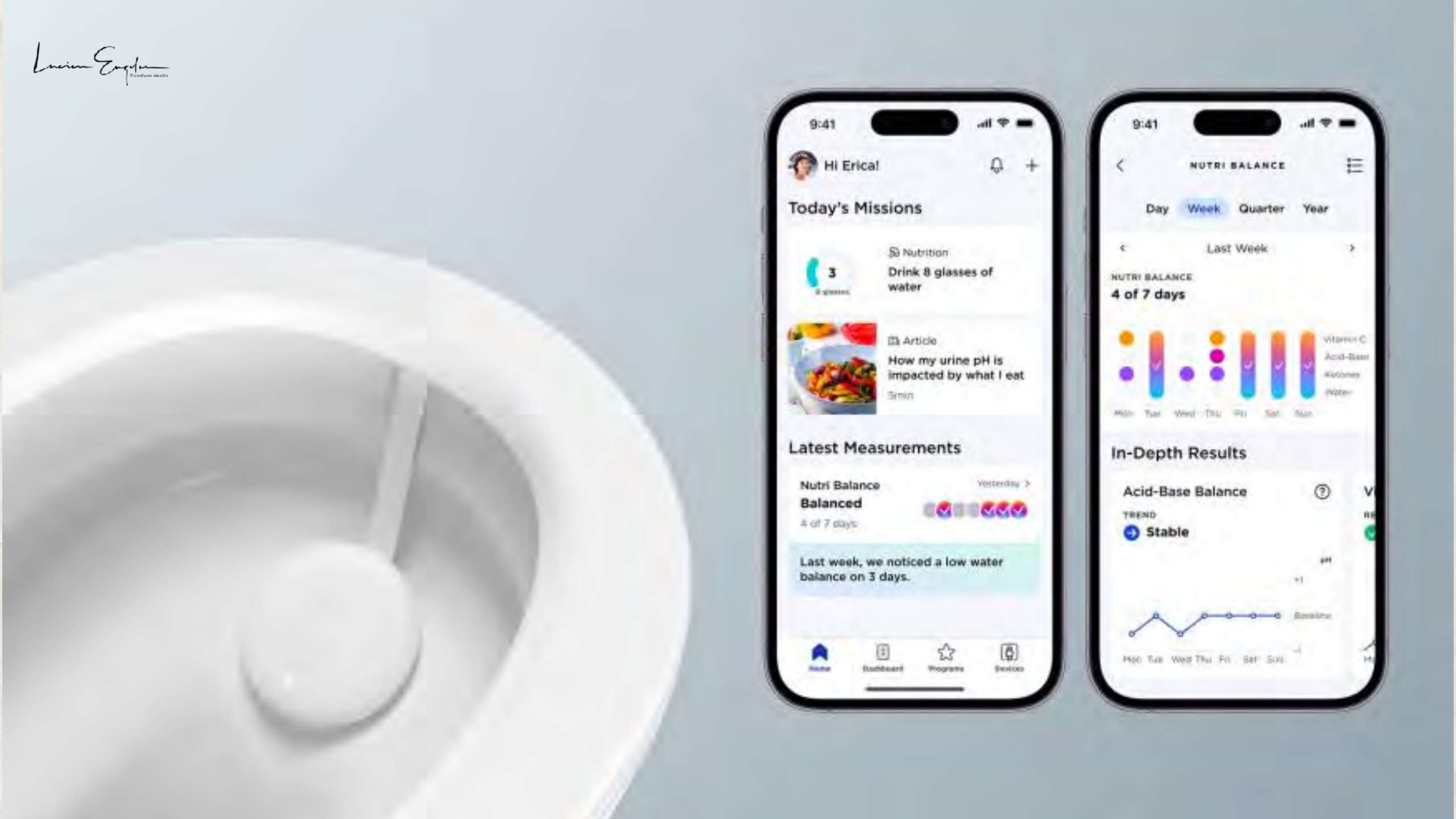

Evolution of the Desk

08:45
127 Nuj reacties
Voor het eerst gedachtelezer van Elon Musks Neuralink geplaatst bij een mens
Door onze nieuwsredactie
Voor het eerst is bij een mens een gedachtelezer van Neuralink geïmplanteerd. De persoon in kwestie is zondag geopereerd en herstelt goed, meldt Neuralink-baas Elon Musk op X.

Apple's AirPods Pro Can Now Function Like a Hearing Aid

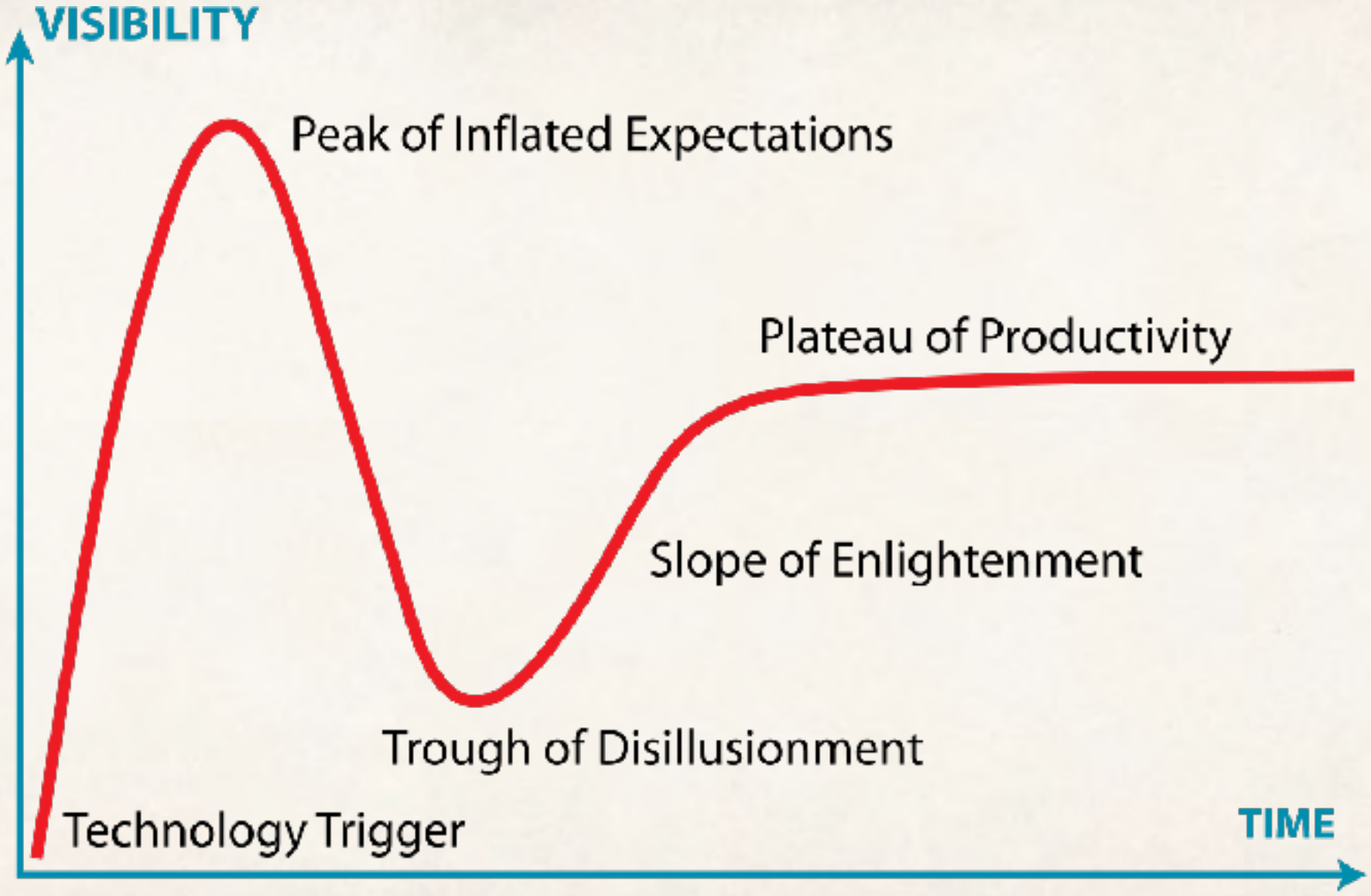
DAVE LECLAIR @cavegleclair
OCT 7, 2021, 9:58 AM EDT | 1 MIN READ

Framesira/Shutterstock.com


9:41
Hi Erica!
Today's Missions
3
Nutrition
Drink 8 glasses of water
Article
How my urine pH is impacted by what I eat
5min
Latest Measurements
Nutri Balance
Balanced
4 of 7 days
Yesterday
Last week, we noticed a low water balance on 3 days.
Home
Dashboard
Programs
Devices
9:41
NUTRI BALANCE
Day
Week
Quarter
Year
Last Week
NUTRI BALANCE
4 of 7 days
Mon
Tue
Wed
Thu
Fri
Sat
Sun
In-Depth Results
Acid-Base Balance
TREND
Stable
pH
Baseline

3.202-3.224
3.225-3.246

Chinese scientists have built a nuclear battery that can produce power for up to 50 years without being recharged. (Image credit: BetaVolt)


VISIBILITY
Peak of Inflated Expectations
Plateau of Productivity
Slope of Enlightenment
Trough of Disillusionment
Technology Trigger
TIME

2013

ECG
10:09
Sinus Rhythm
68 BPM AVERAGE
This ECG does not show signs of atrial fibrillation.

ECG
10:09
Sinus Rhythm
68 BPM AVERAGE
This ECG does not show signs of atrial fibrillation.

Blood O2
10:09
7 sec

ECG
10:09
Sinus Rhythm
68 BPM AVERAGE
This ECG does not show signs of atrial fibrillation.

Blood O2
10:09
7 sec

07:33 5G

mashable.com

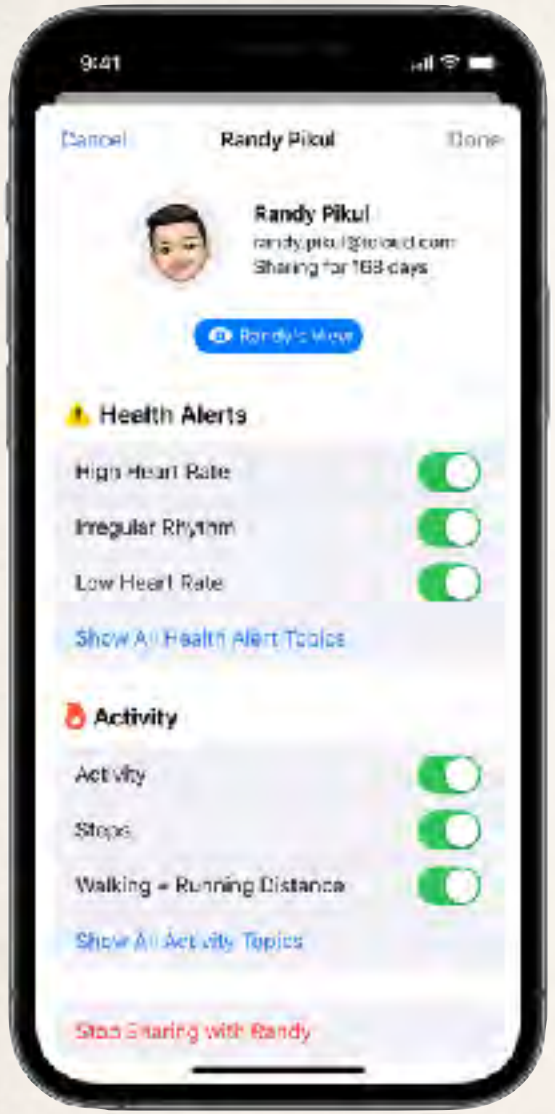
The next Apple Watch will reportedly add 3 new health sensors for diabetes, blood pressure, and sleep apnea

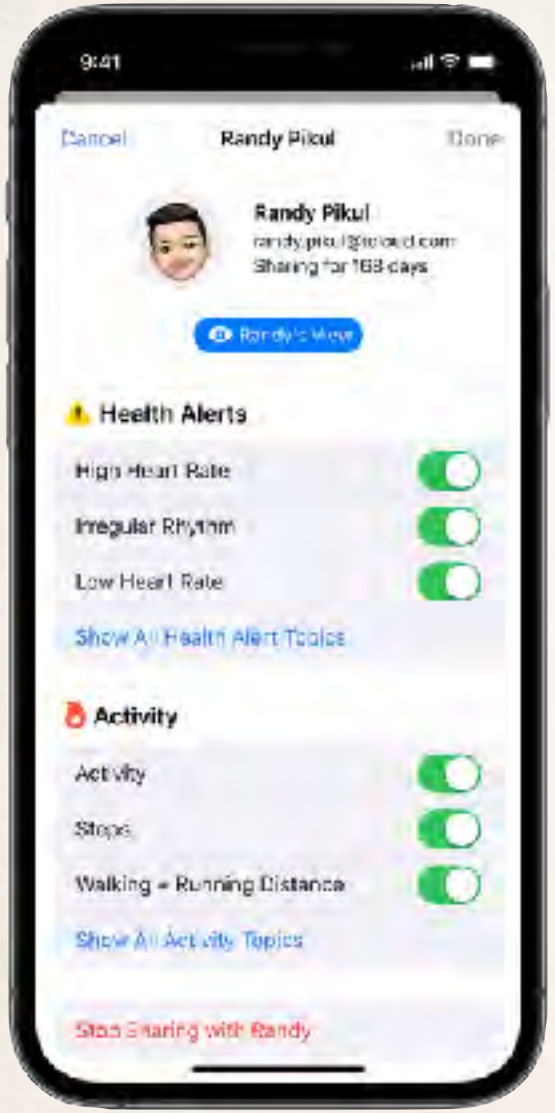
Apple continues exploring the potential of health monitoring tools.

By Chase DiBenedetto on November 2, 2023

©lucienengelen

09:41
Summary
Oxford University Hospitals NHS Foundation Trust
Allergies
Clinical Vitals
Conditions
Lab Results
Medications
Procedures
Favourites
Edit
Steps
207
Show All Health Data
Highlights
Blood Glucose
You recorded your blood glucose on 16
9:41
Browse
Search
Health Records
Allergies
Clinical Vitals
Conditions
Immunizations
Lab Results
Medications
Procedures
Clinical Documents
09:41
Browse
Allergies
List Updated
A-Z
4 October 2020
OXFORD UNIVERSITY HOSPITALS NHS FOUNDATION TRUST
Pollen
Documented
Shellfish allergy
Documented
Codeine
Documented
Peanuts
Documented
17 September 2020
OXFORD UNIVERSITY HOSPITALS NHS FOUNDATION TRUST
Penicillin -class of antibiotic-
Documented


9:41
Cancel
Randy Pikul
Done
Randy Pikul
Sharing for 168 days
Health Alerts
High Heart Rate
Irregular Rhythm
Low Heart Rate
Show All Health Alert Topics
Activity
Activity
Steps
Walking + Running Distance
Show All Activity Topics
Stop Sharing with Randy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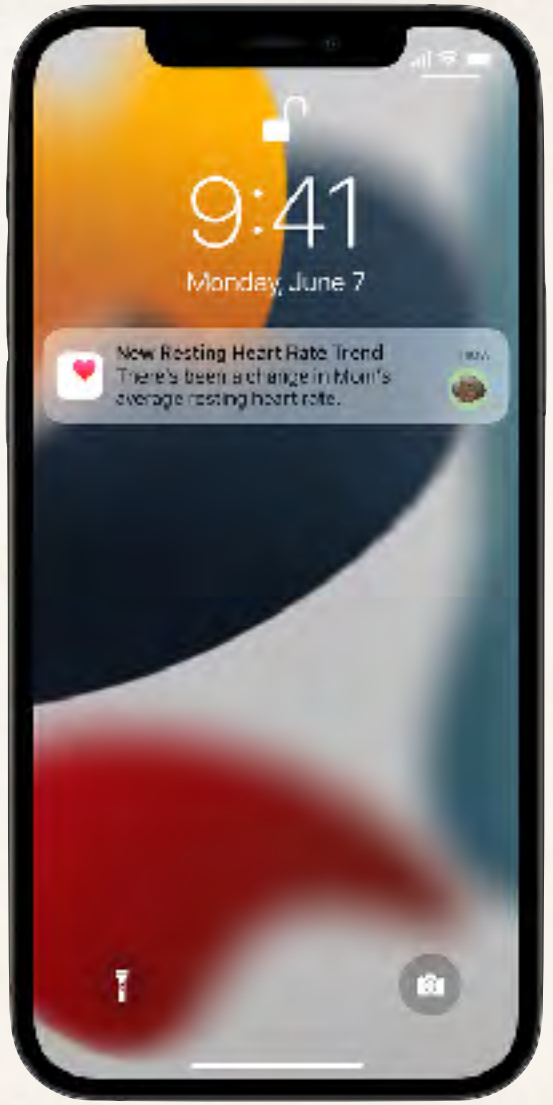
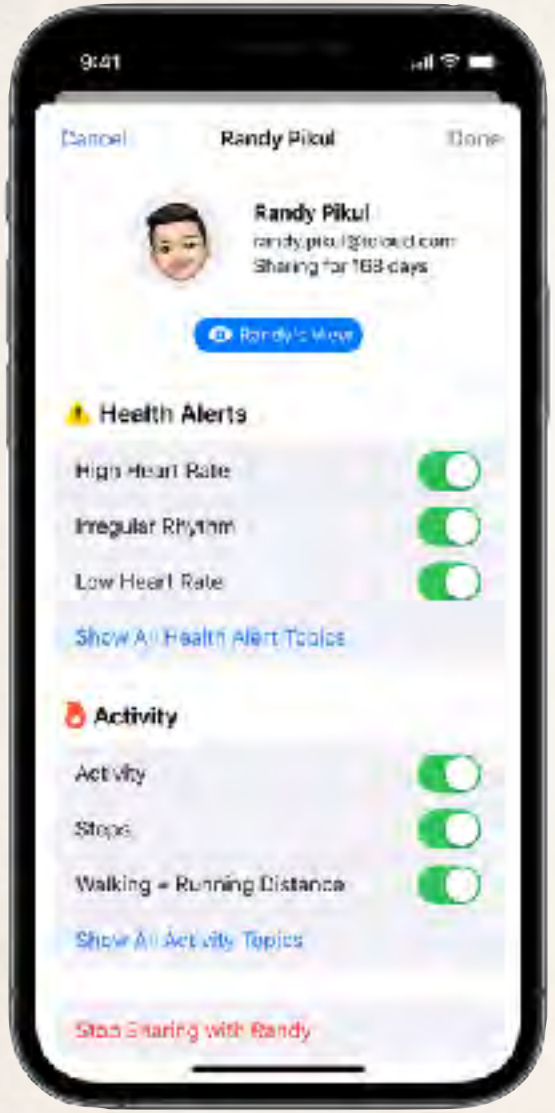
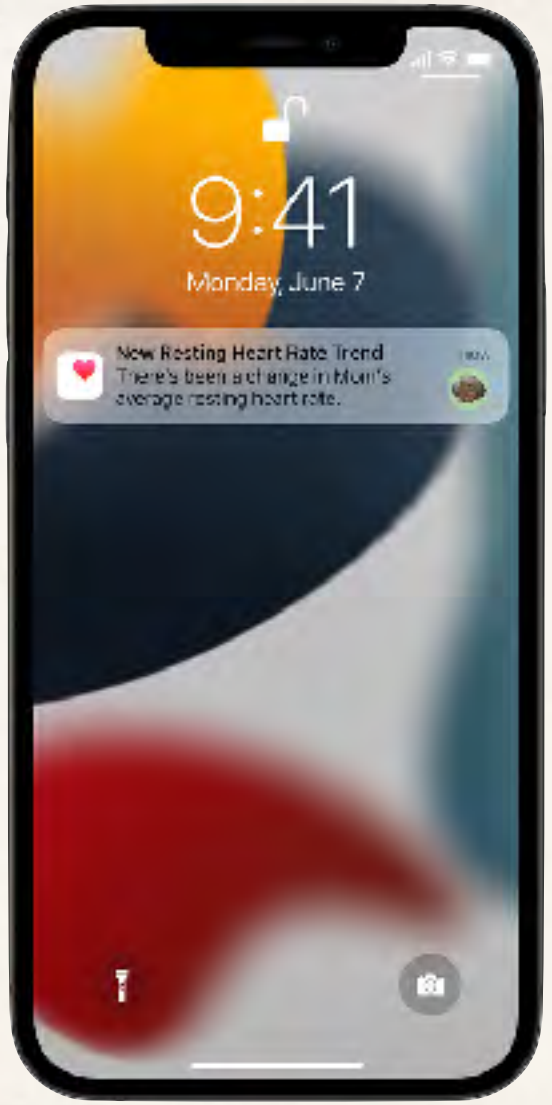

9:41
Monday, June 7
New Resting Heart Rate Trend
There's been a change in Mom's average resting heart rate.


9:41
Cancel
Randy Pikul
Done
Randy Pikul
Sharing for 183 days
Health Alerts
High Heart Rate
Irregular Rhythm
Low Heart Rate
Activity
Activity
Steps
Walking + Running Distance
Stop Sharing with Randy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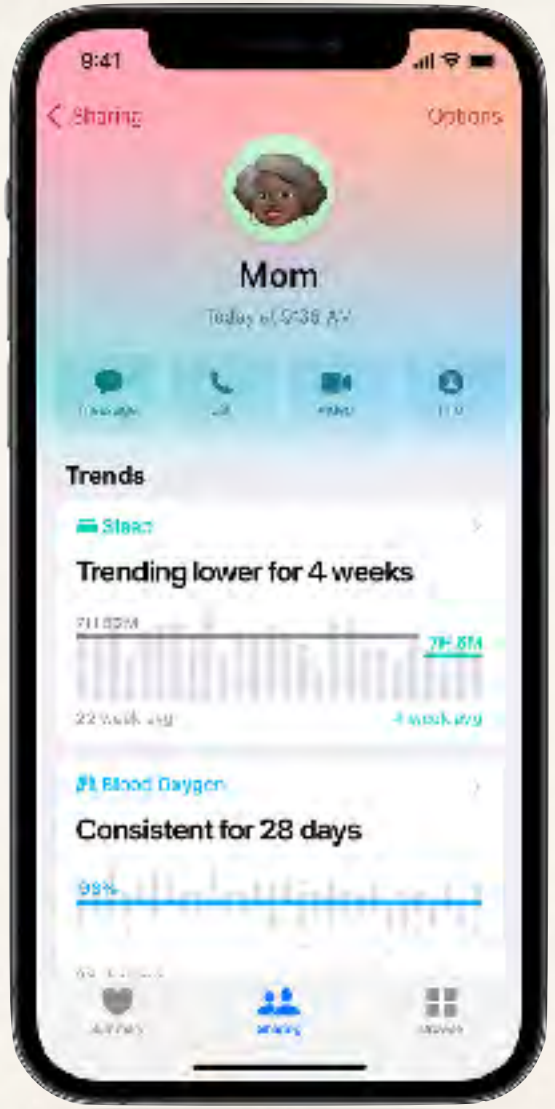
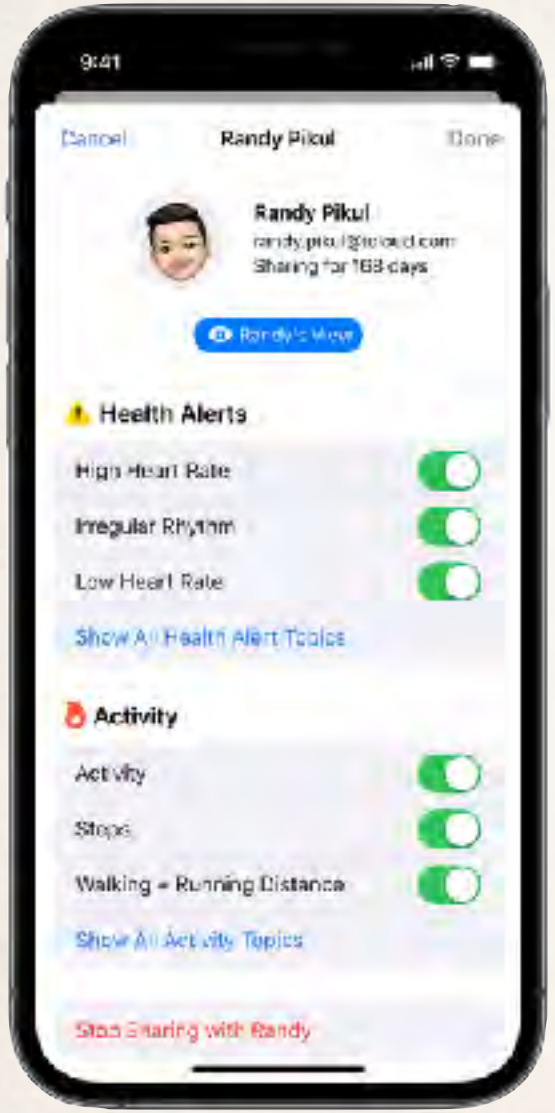

9:41
Sharing
Options
Mom
Trends
Steps
Trending lower for 4 weeks
Blood Oxygen
Consistent for 28 days
98%


9:41
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Randy Pikul
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Health Alerts
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Activity
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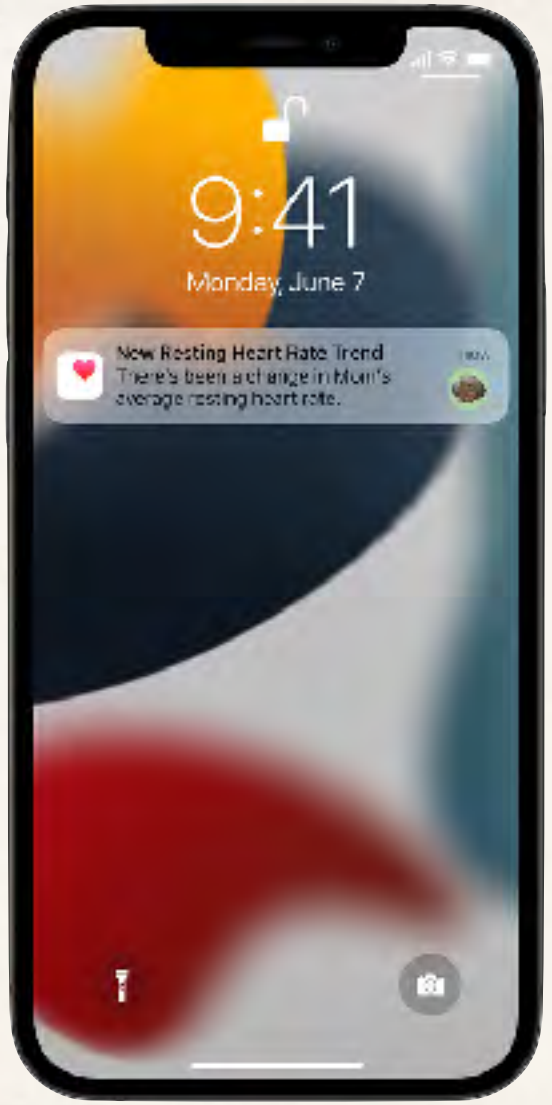
Stop Sharing with Randy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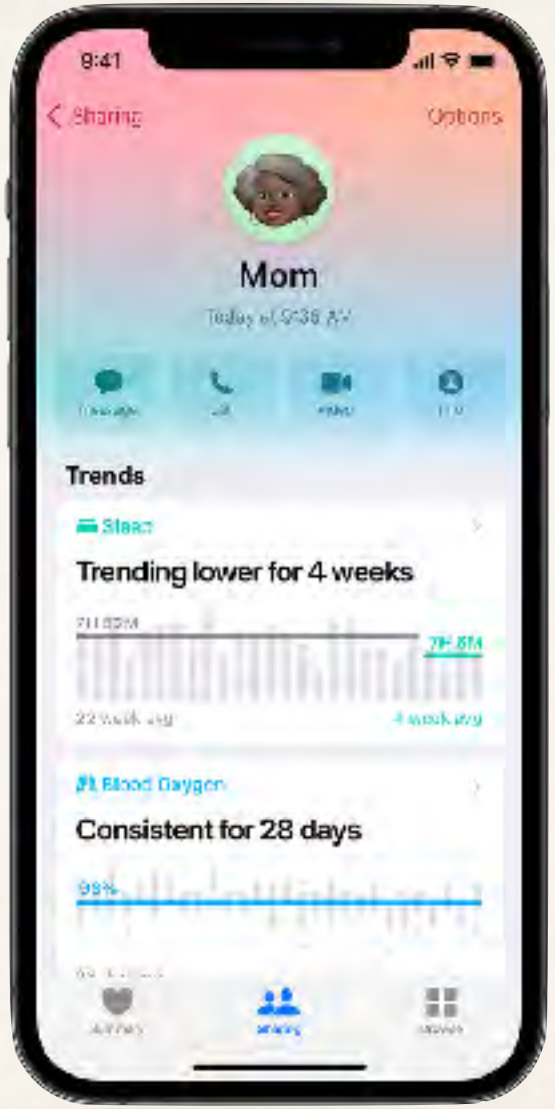

9:41
Sharing
Options
Mom
Trends
Steps
Trending lower for 4 weeks
Blood Oxygen
Consistent for 28 days
98%

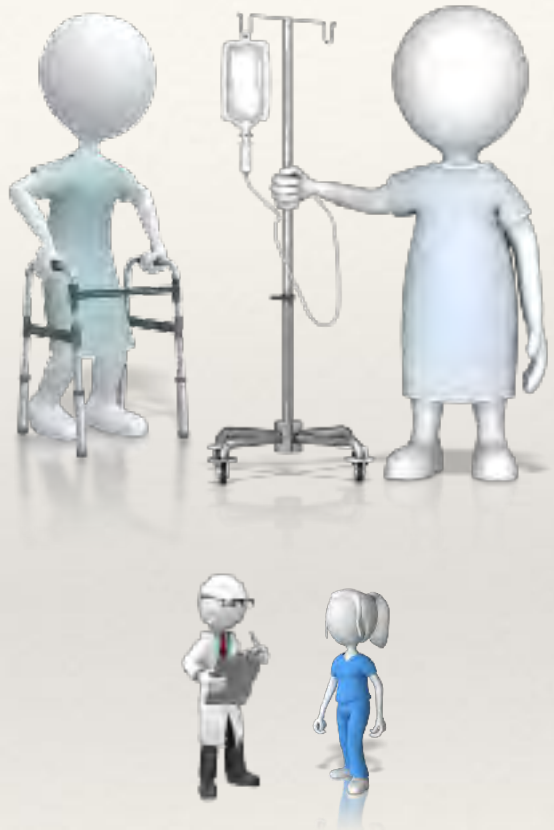
9:41
New Message
Cancel
To: Mom
Thanks Mom :)

Everyone, everywhere always connected

Innovation shift

Fór patients

With patients

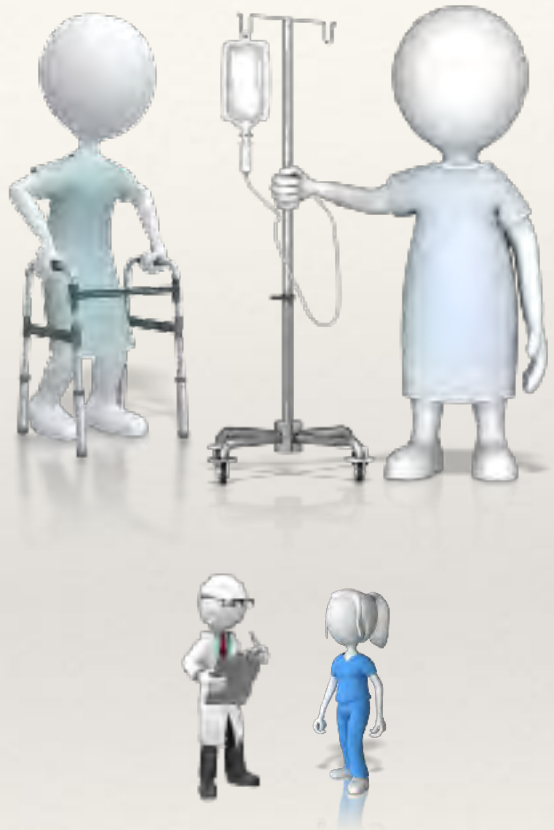


By patients

Innovation shift

Fór patients

With patients



By patients

Patient journey

Institution journey

Patient journey

Professional journey

Institution journey

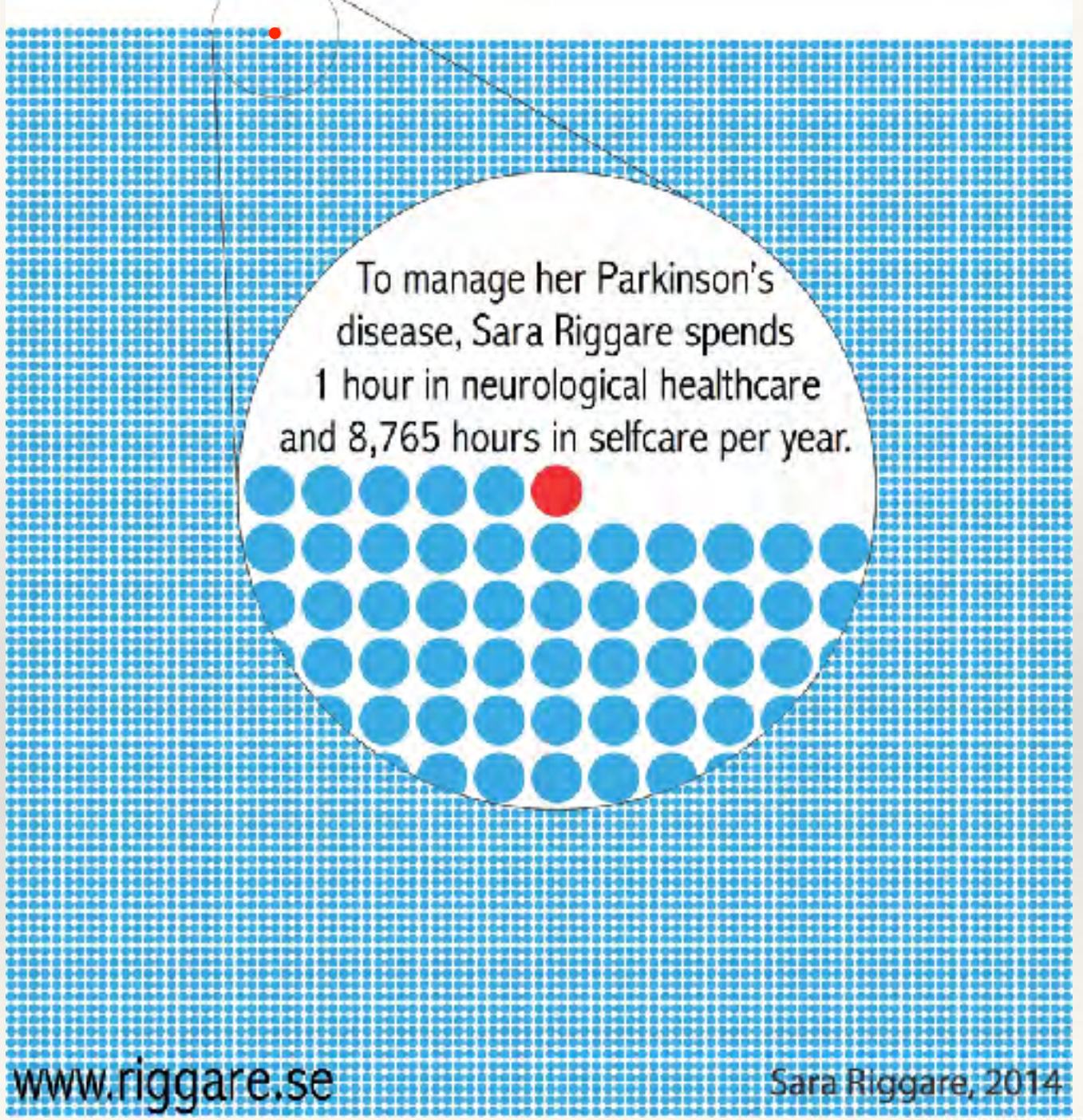
Patient journey

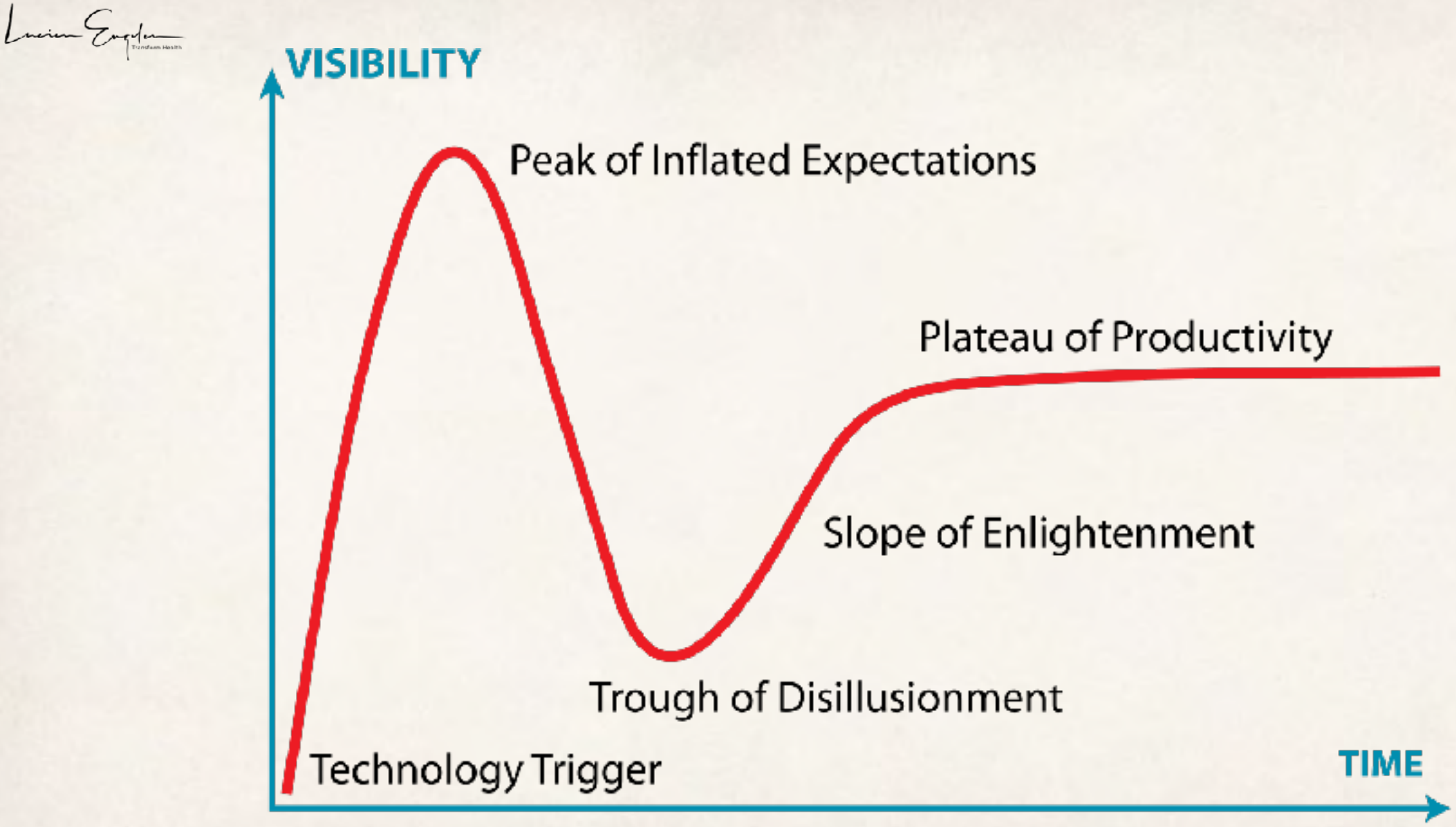
Professional journey

Institution journey

Patient journey

Journey of life


To manage her Parkinson's disease, Sara Riggare spends 1 hour in neurological healthcare and 8,765 hours in selfcare per year.
www.riggare.se
Sara Riggare, 2014


VISIBILITY
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Technology Trigger
TIME

Lucien Engelen
Transform.Health
HMEETSR

Health(care) meets Retail

Different locations present us with different opportunities

We have the possibility to test our experiences in various locations, each location might host different types of activities. What might be the main differences across these location (types)? How might these differences lead to different experiences?

Vision for a design outlet experience
The location has a clear entrance, and is mostly visited by people who will spend the day. This provides us with the opportunity to design a clear end-to-end delightful shopping experience; which includes lots of walking, impulse purchases and lots of shopping. This is also an excellent location to test also with retail employers and their employees.

Visitor characteristics
Visitors include day-trippers mainly from NL (30%), GER(50%) and BEL(18%), who spend an avarage of 6-8 hours per visit.

Vision for a city center experience
This location includes a variety of retail opportunities, including shopping, restaurants and tourist attractions we might collaborate with.

We want to turn a conincidental visit into a moment of action by providing visitors not only with insights in their health, but enabeling them to take action immediately – through making full use of the nearbye retail locations (e.g. sign up for a membership at a gym down the road).

Visitor characteristics
Visitors include locals, tourists and a lareg amount of expats from the Eindhoven tech campus. Many of them are returning visitors.

First priority

Vision for a city center experience
For suburban areas we want to design a mobile experience space (in a truck?) that can be moved to according to where it might be busiest, and tyherefor follow the movement of citizens, in their daily lives.

Visitor characteristics
Visitors include locals, who live and work in the area, representing a cross section of the regional population.

Together we build the Future of Health driven by Research & Edge building

In cocreation with partners, we research and build the Future of Health

GOAL	Identify 30% of the current healthcare activities that can be delocalized to Retail	Identify shifts from Healthcare to Retail that already exist in the market	Investigate customer willingness for the transition from healthcare to health	Build a physical Edge of Health meets Retail to experiment and accelerate the dialogue
TEAMS	**Healthcare Research Team**	**Retail Research Team**	**Customer Research Team**	**Exploration Center Team**
PARTNERS	Maastricht UMC+, Ahold Delhaize, Jumbo, Koraal, Google, ING, Deloitte, Laurentius, Zuyd, VGZ, City Management Roermond, Alles is Gezondheid, Designer Outlet			

CONSUMERISUM
HEALTH CARE
Traditional Health Systems
Primary Care Physicians
Retail Clinics
Retail Pharmacy
Urgent Clinics
Pharmacy Benefit Managers
Government and Commercial Payers
Incentivizing Collaboration
RETAIL
Customized Services
Improving Customer Experience
Increasing Price Transparency
Increasing adoption of technology
Managing Store Layout and Driving Foot Traffic

New opportunity?

REALTIME DATA

Access to care 6%

DNA Code 20%

Post Code 22%

Behaviour 37%

Interactions of above - 15%

New opportunity?

REALTIME DATA

Access to care 6%

DNA Code 20%

Post Code 22%

Behaviour 37%

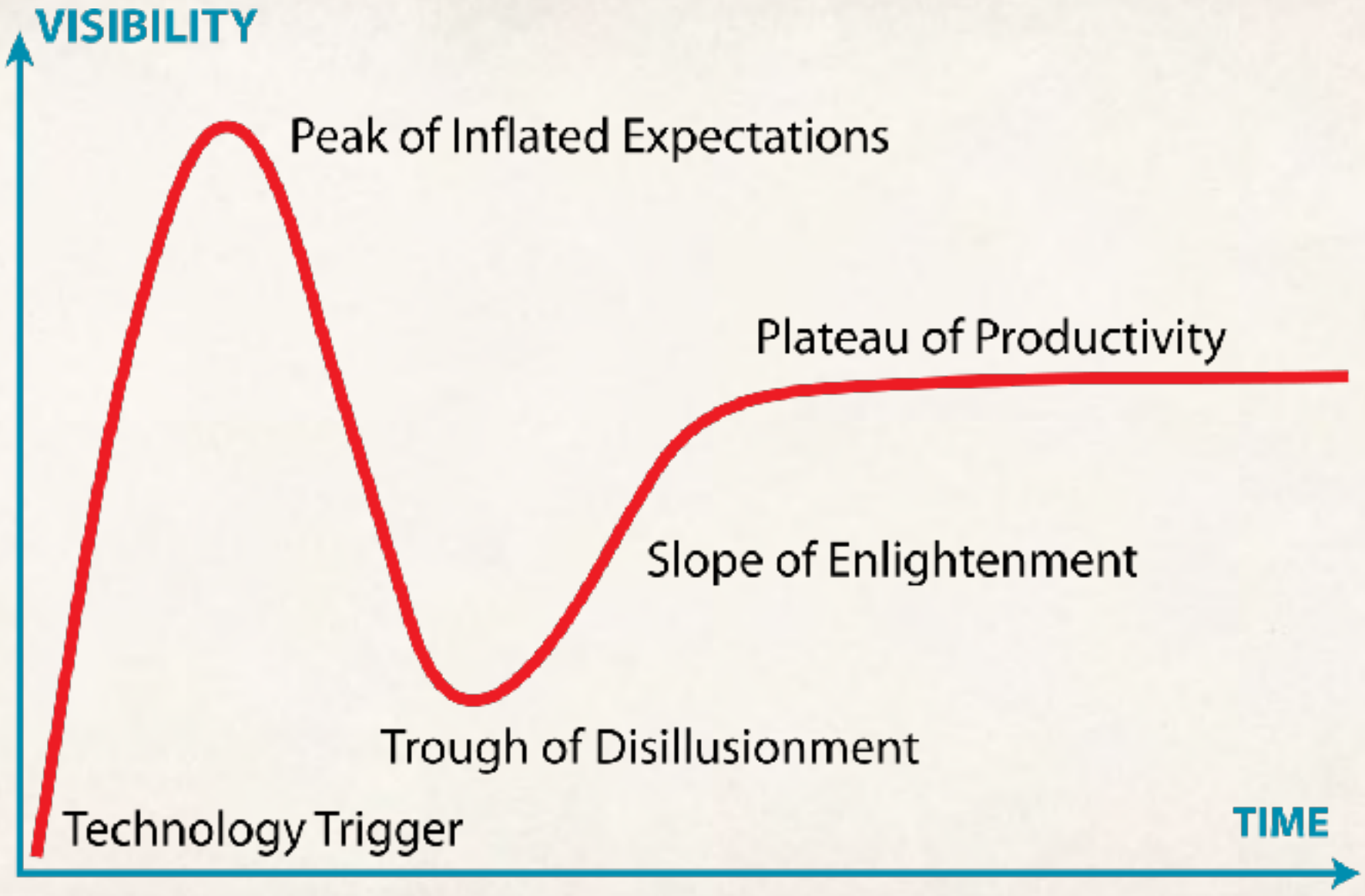
Interactions of above - 15%

New opportunity?

REALTIME DATA

Access to care 6%
DNA Code 20%
Post Code 22%
Behaviour 37%
Interactions of above - 15%

Different receipt Based on Personal profile activity & intake.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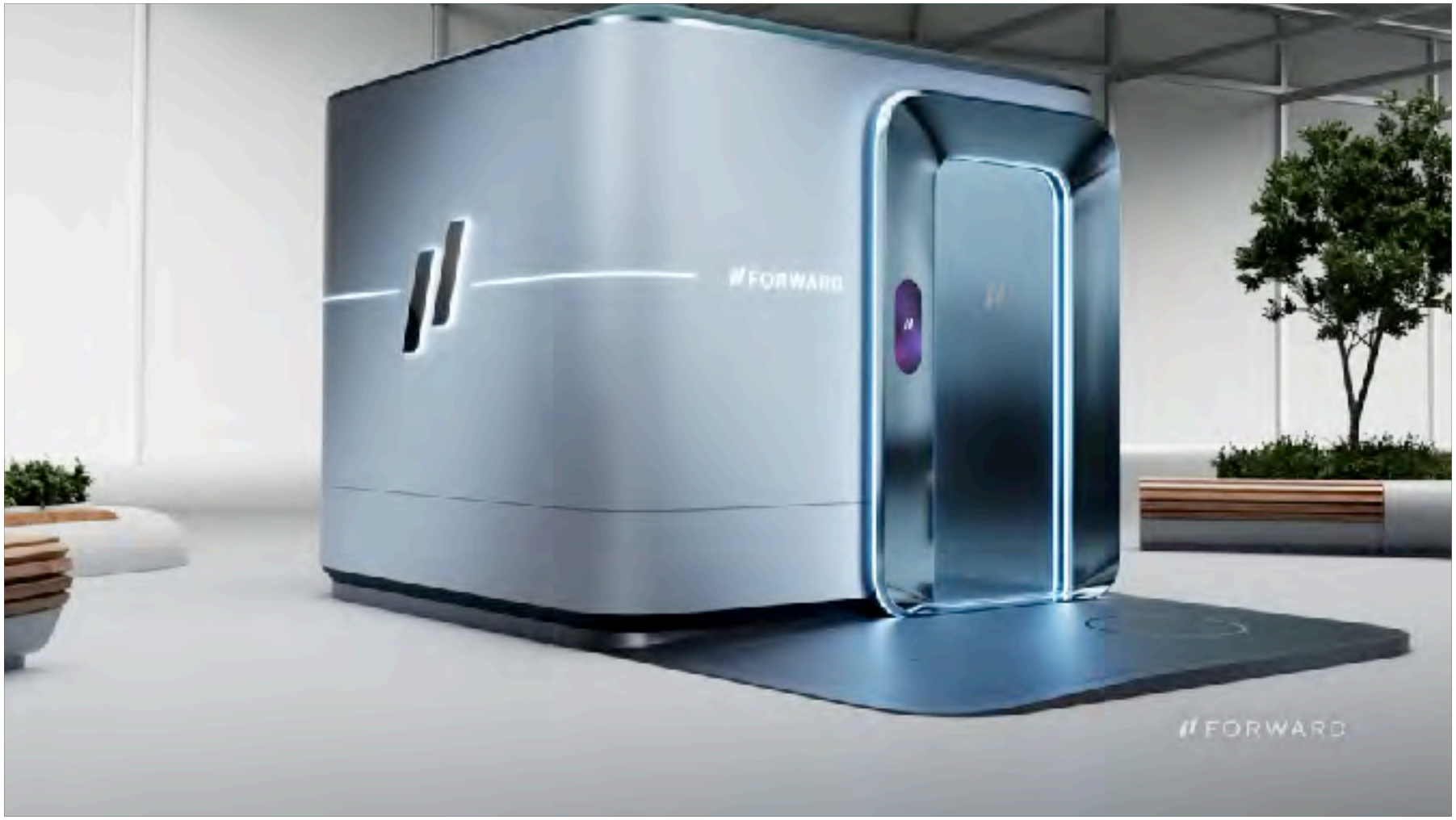
laurentius

VITESTRO

VITESTRO

- full body scan
- heart health
- thyroid testing
- blood pressure
- weight management
- diabetes screening
- COVID-19 test
- HIV screening
- kidney
- liver health



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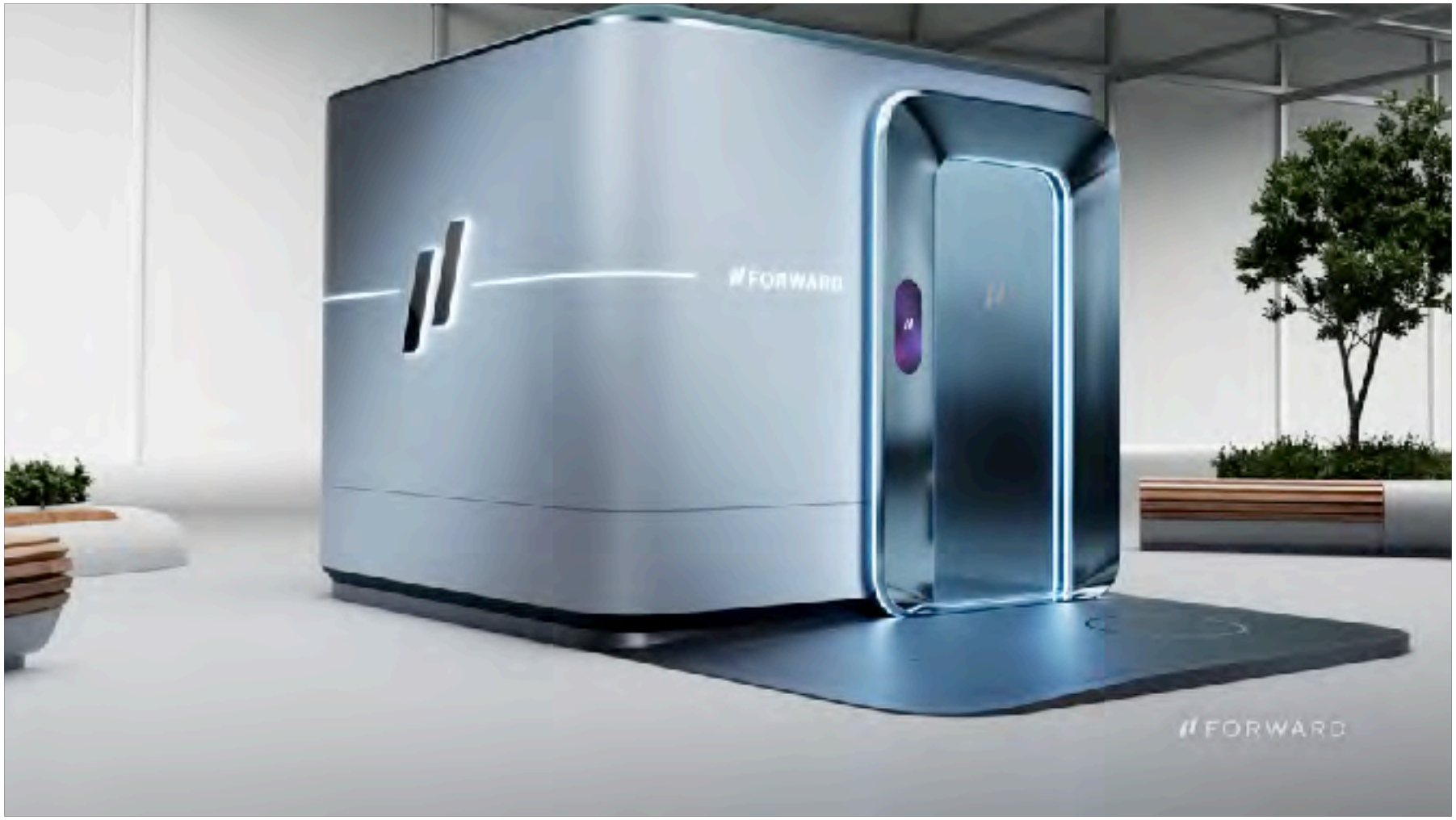
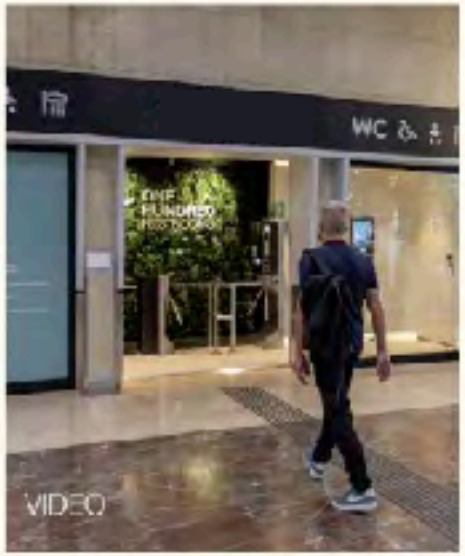
- kidney
- liver health



RE-INVENTING RESTROOMS

FULL CONCEPT



MOBILE COMFORT HUB

SHOP IN SHOP

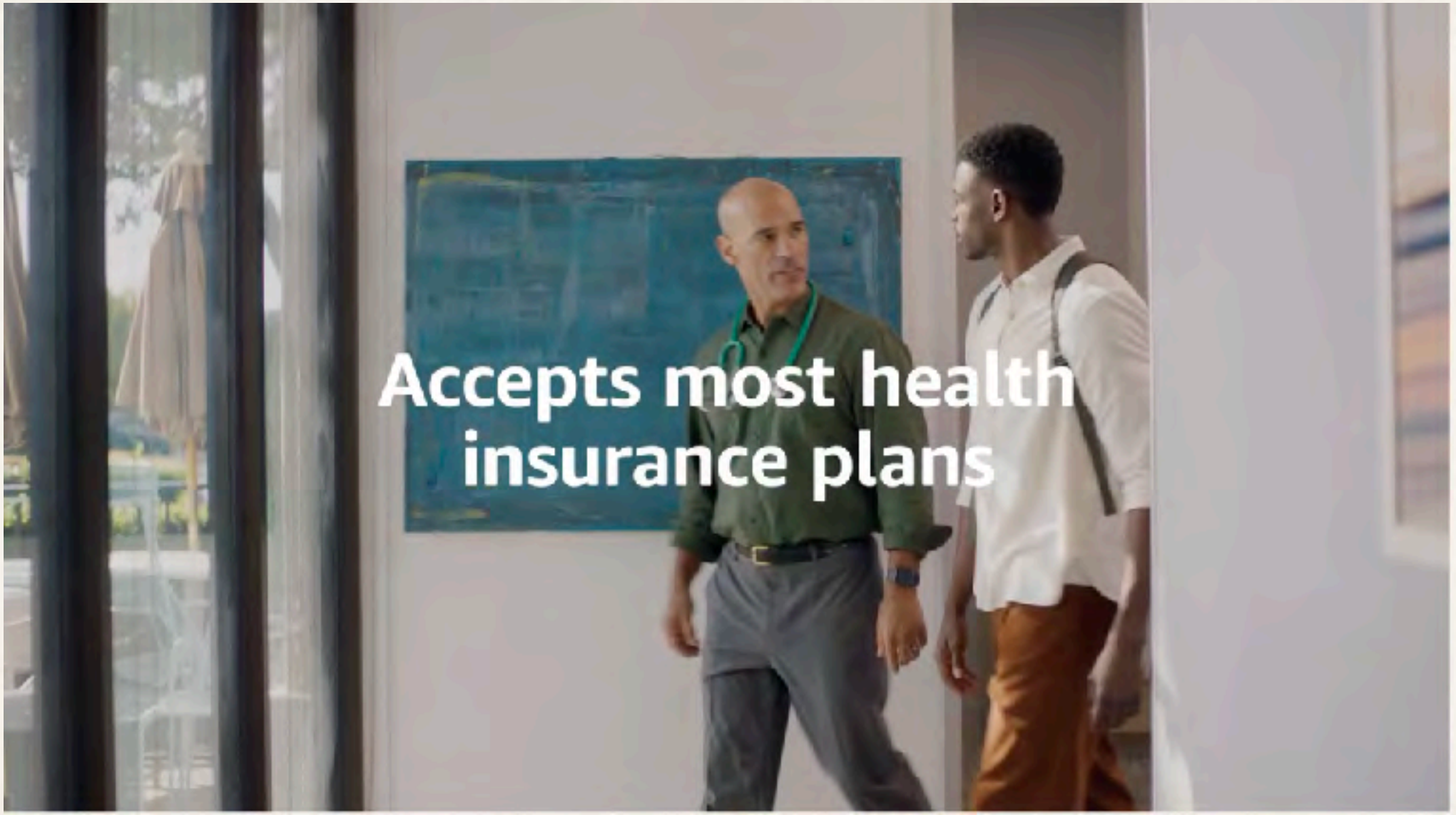
WELLBEING HUBS*

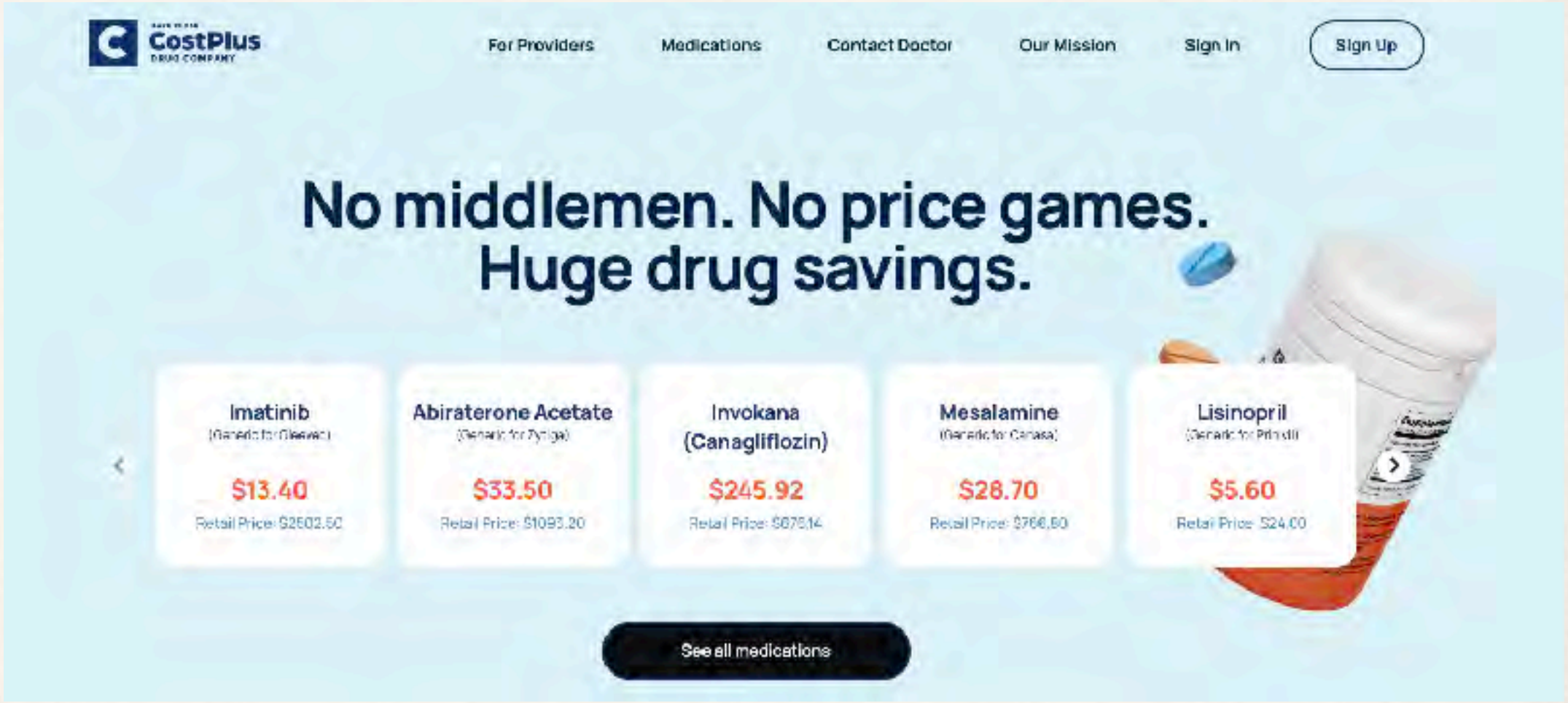
*Under development

For $99/year - $66 extra family member

For $99/year - $66 extra family member

RxPass one flat fee of $5 per month


Accepts most health
insurance plans

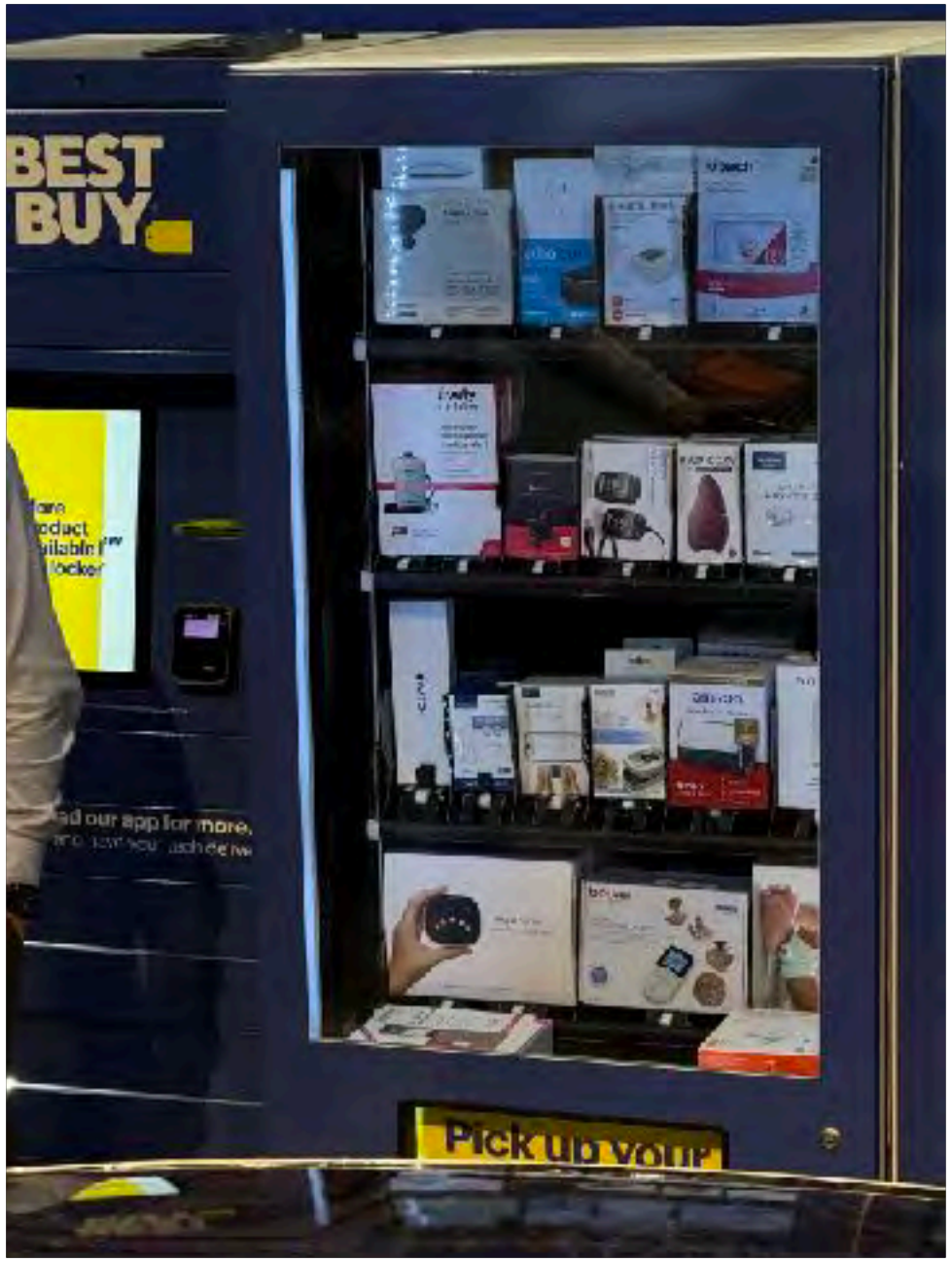

CostPlus
DRUG COMPANY
For Providers
Medications
Contact Doctor
Our Mission
Sign In
Sign Up
No middlemen. No price games.
Huge drug savings.
Imatinib
$13.40
Retail Price: $2602.50
Abiraterone Acetate
$33.50
Retail Price: $1093.20
Invokana
(Canagliflozin)
$245.92
Retail Price: $875.14
Mesalamine
$28.70
Retail Price: $766.80
Lisinopril
$5.60
Retail Price: $24.00
See all medications

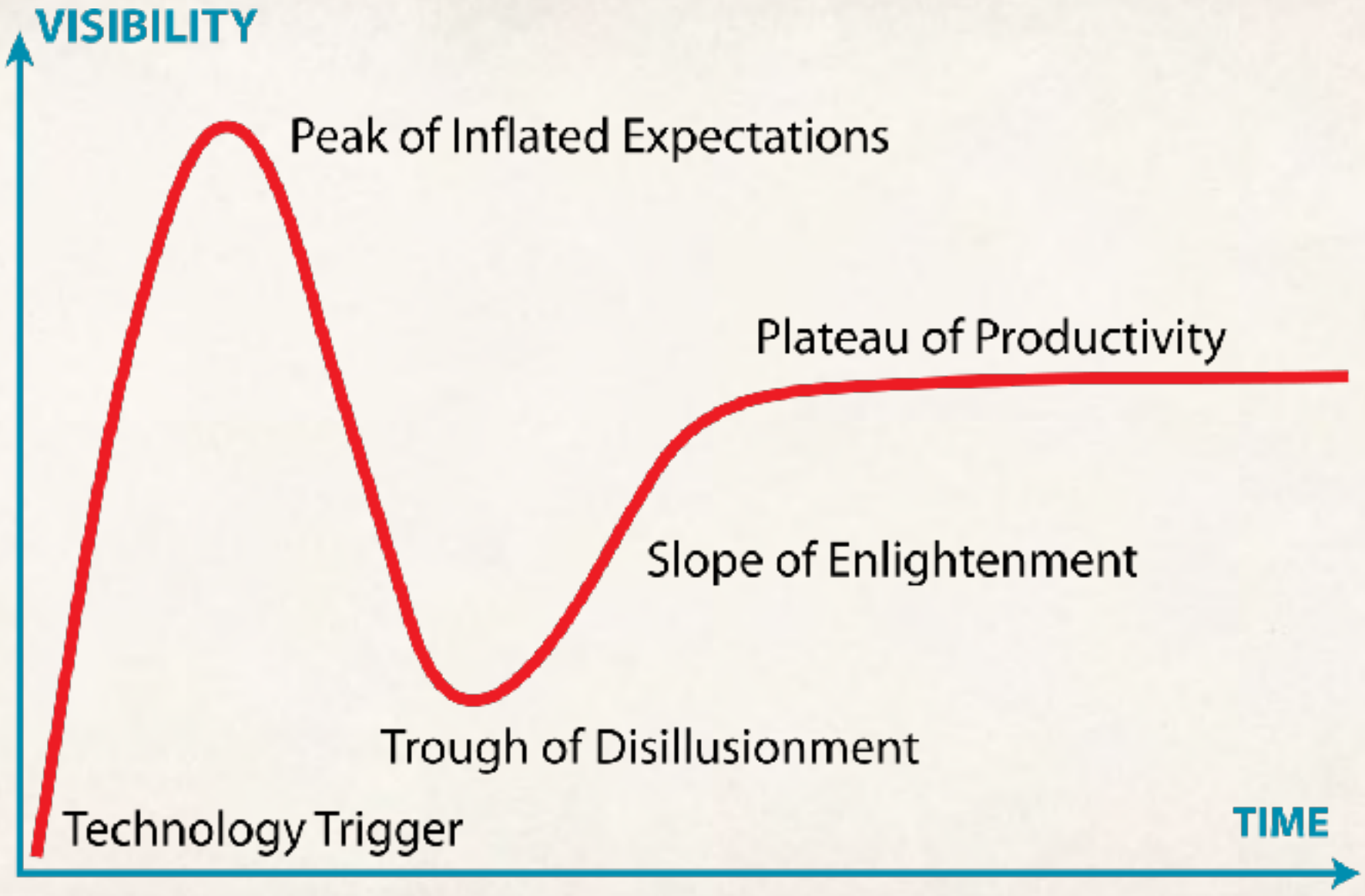
BUSINESS // CHRIS TOMLINSON

Texas billionaire Mark Cuban brings transparency and lower prices to prescription drugs

By Chris Tomlinson
Dec 8, 2023

Device-dispenser




VISIBILITY
Peak of Inflated Expectations
Plateau of Productivity
Slope of Enlightenment
Trough of Disillusionment
Technology Trigger
TIME

Change in health(care)

From existing solo-workers into new network-workers

©lucienengelen

The delocalization of health(care)

Source REshape Center 2014

©lucienengelen

The delocalization of health(care)

-70%

Source REshape Center 2014

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from '**Hospital**' to 'Home'

©lucienengelen

from ~~'**Hospital**'~~ to 'Home'

from 'Hospital' to '**Phone**'

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Transform.Health

Healthcare will become a software branch.

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Transform.Health

Healthcare will become a software branch.

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Healthcare will become a software branch.

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Transform.Health

Healthcare will become a software branch.

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Transform.Health

has

Healthcare ~~will~~ become a software branch.

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Transform Health
Mercy Virtual
Transform Health

naasti

4CAST : ‘remote’ monitoring

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Transform.Health

11.000 telefoontjes ...

©lucienengelen

11.000 telefoontjes ...

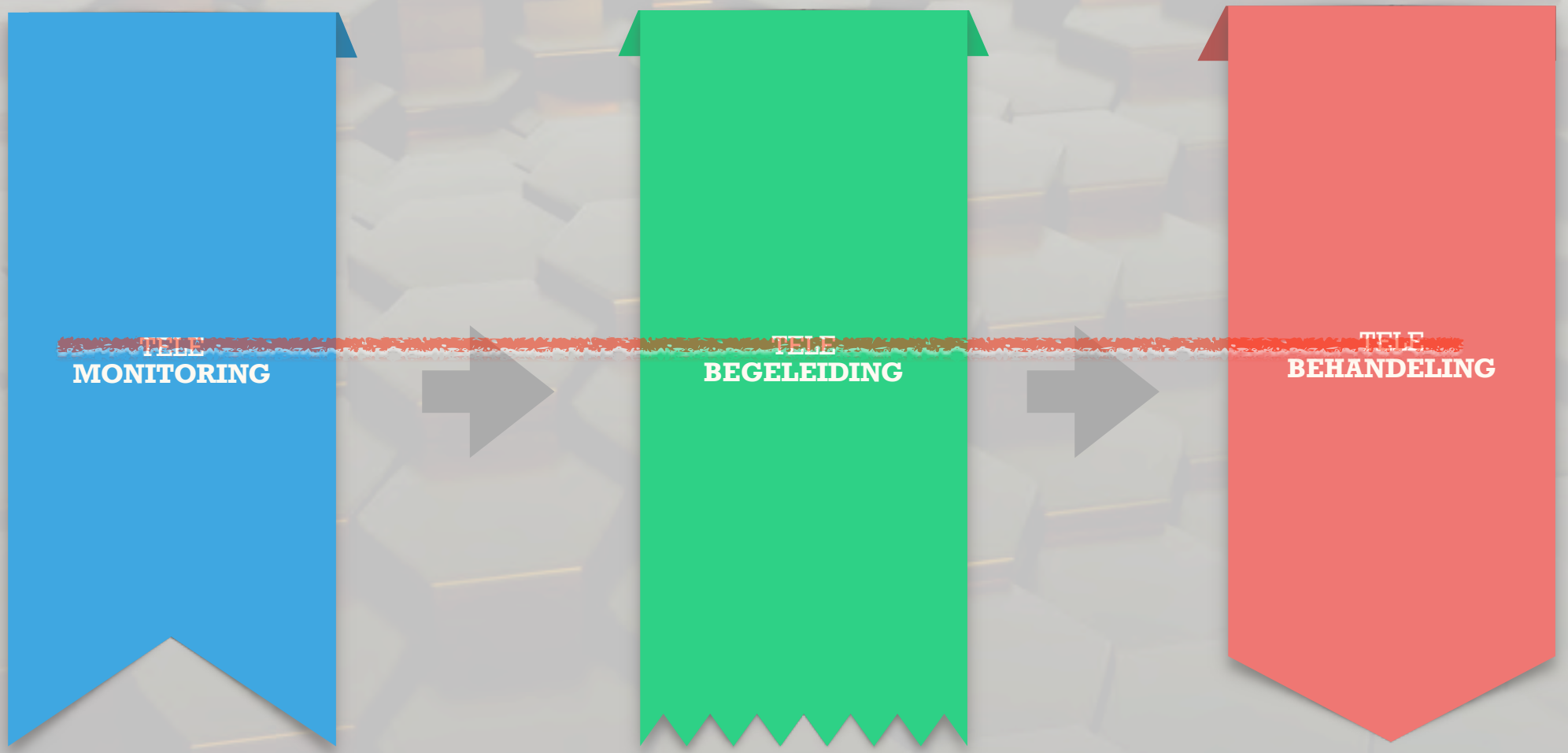
Per dag

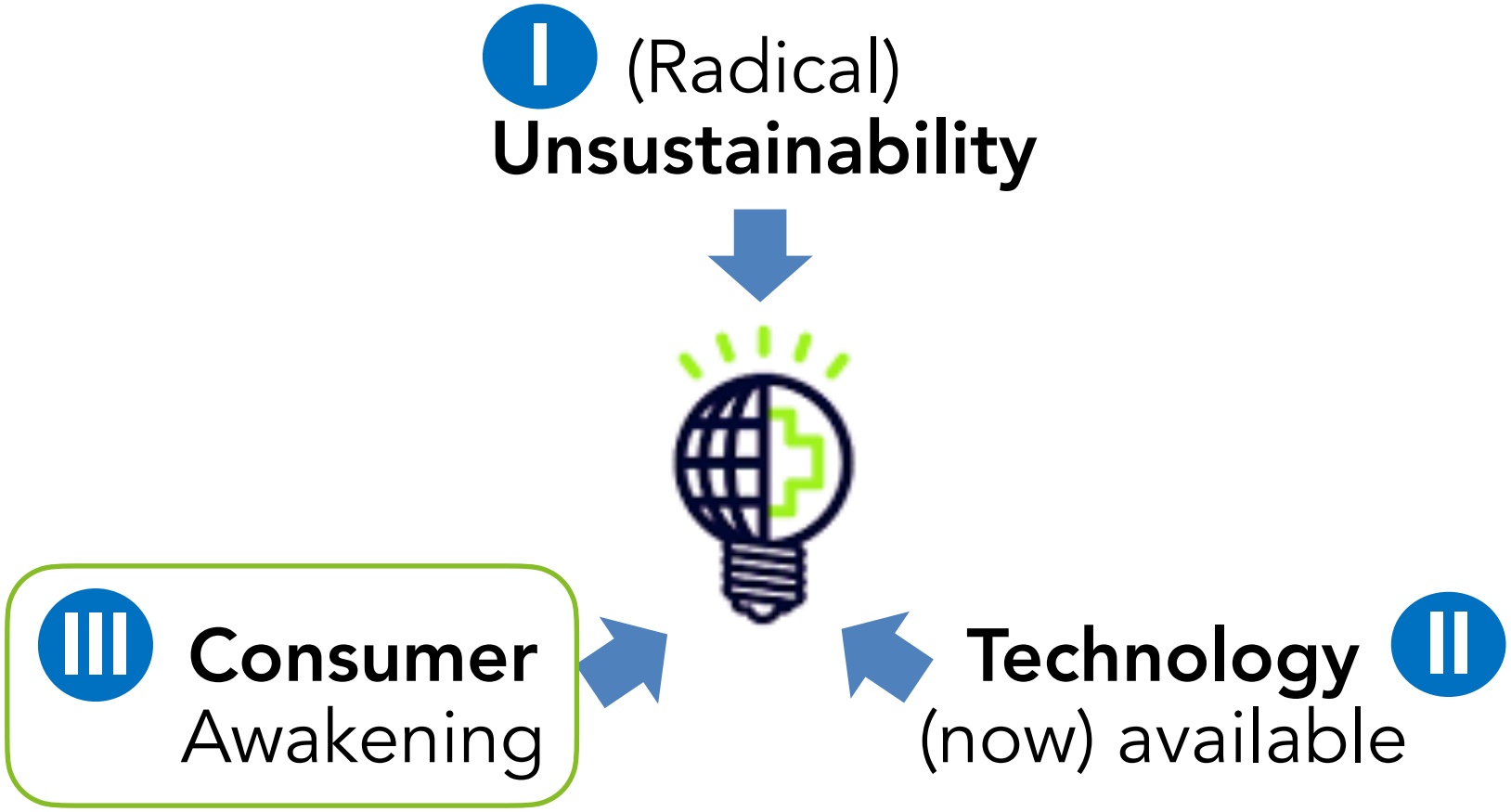
©lucienengelen

‘Nieuw’ Paradigma?

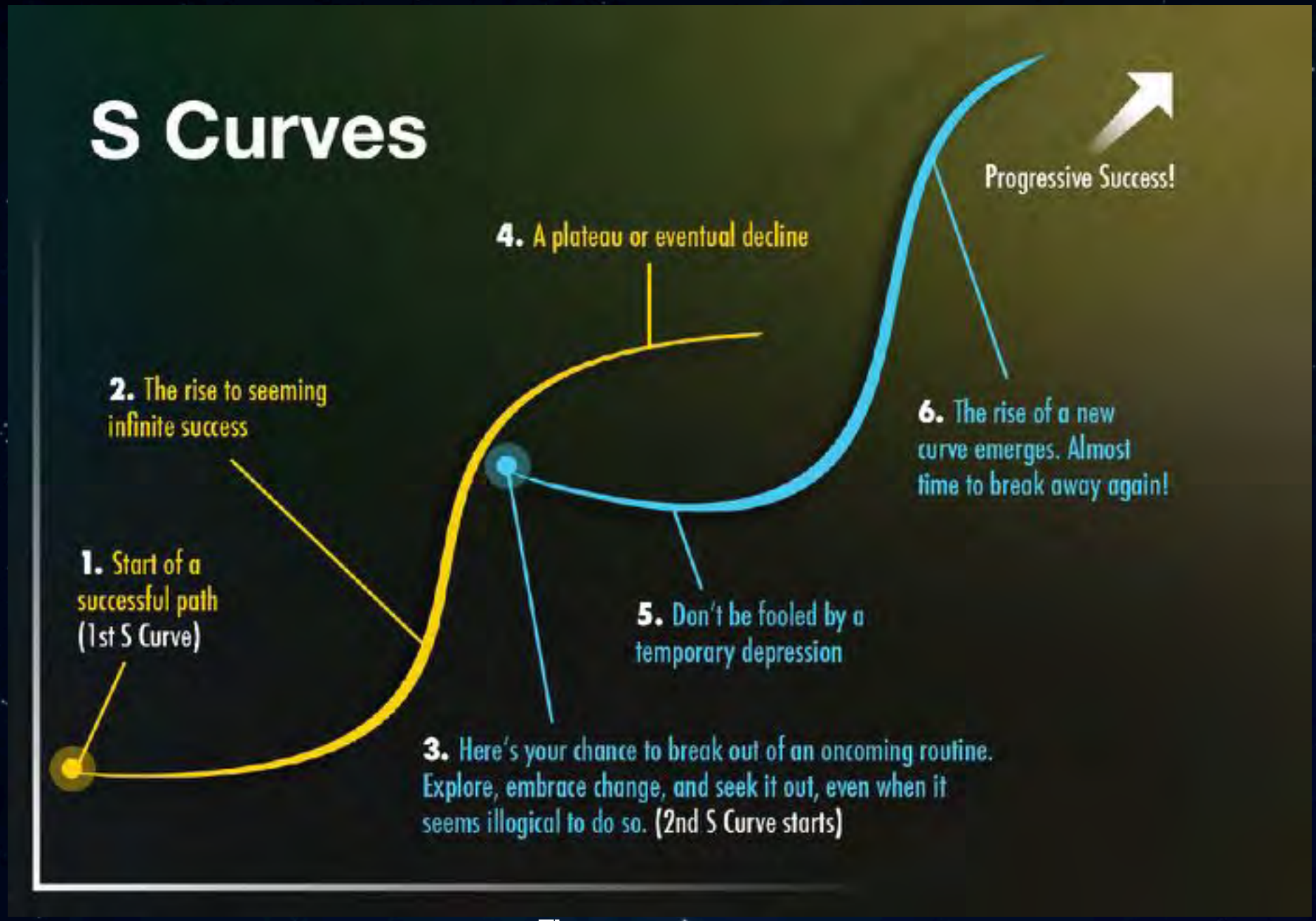
‘Nieuw’ Paradigma?

‘Nieuw’ Paradigma?





The Innovation Imperative: 3 Forces



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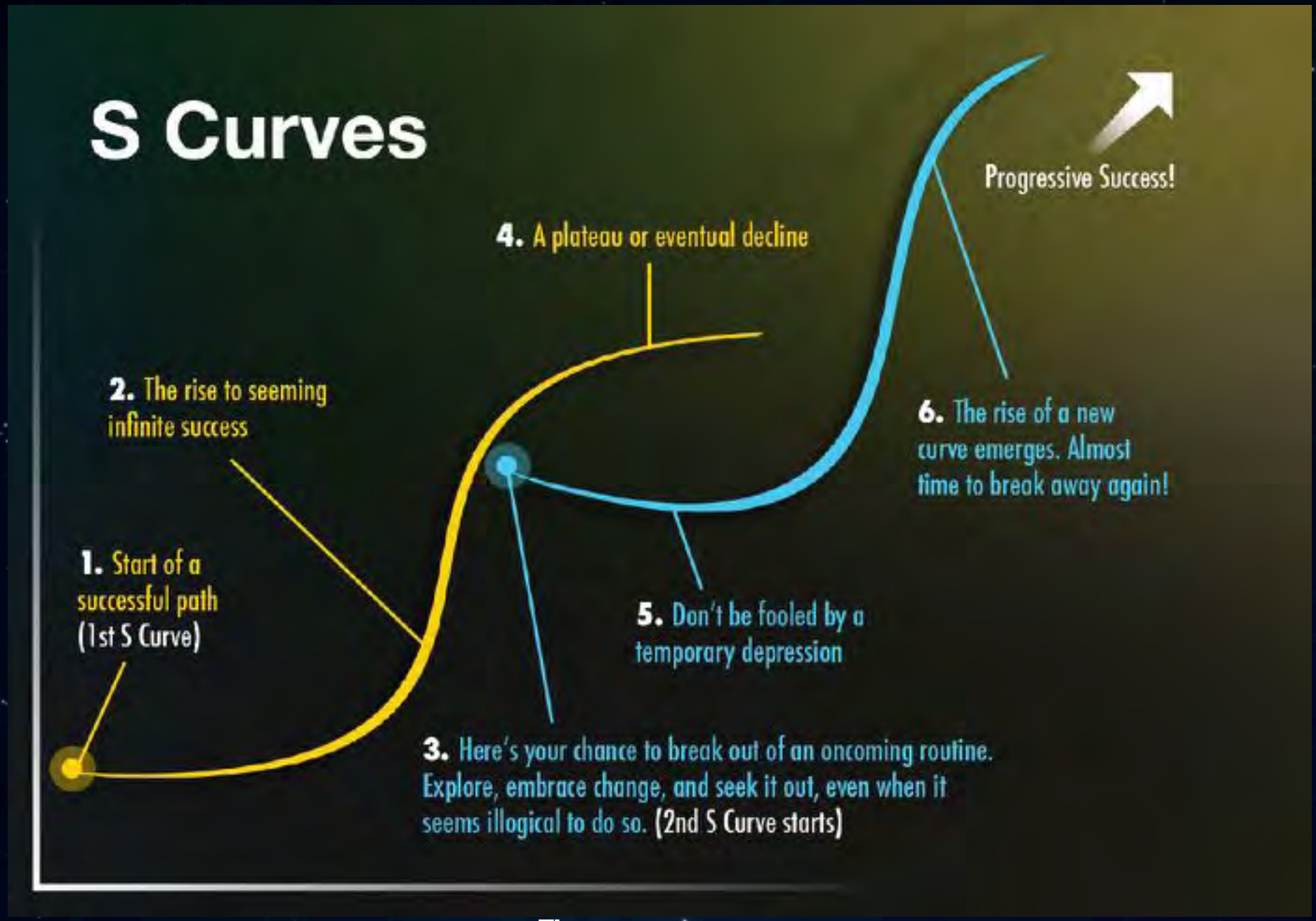

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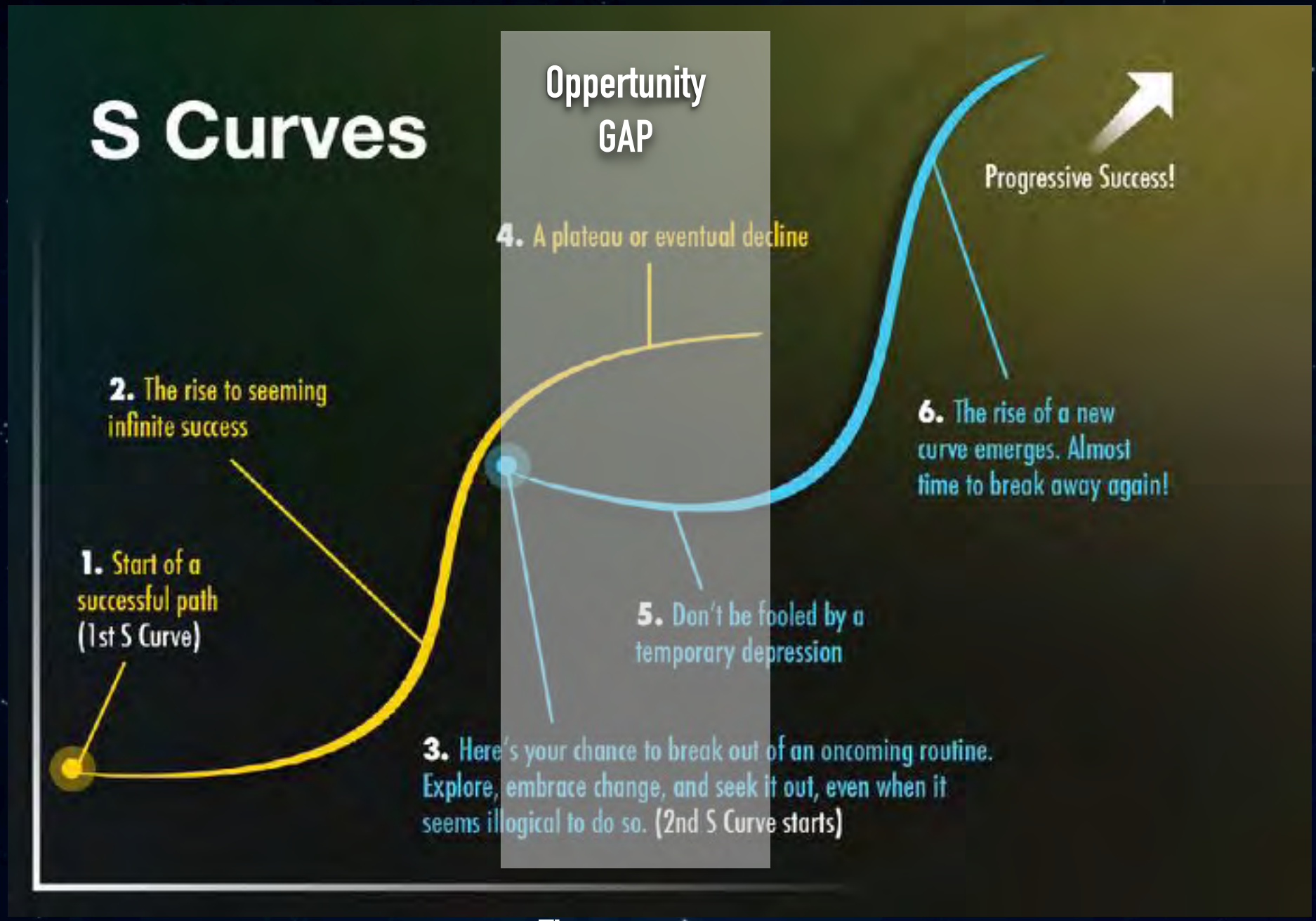

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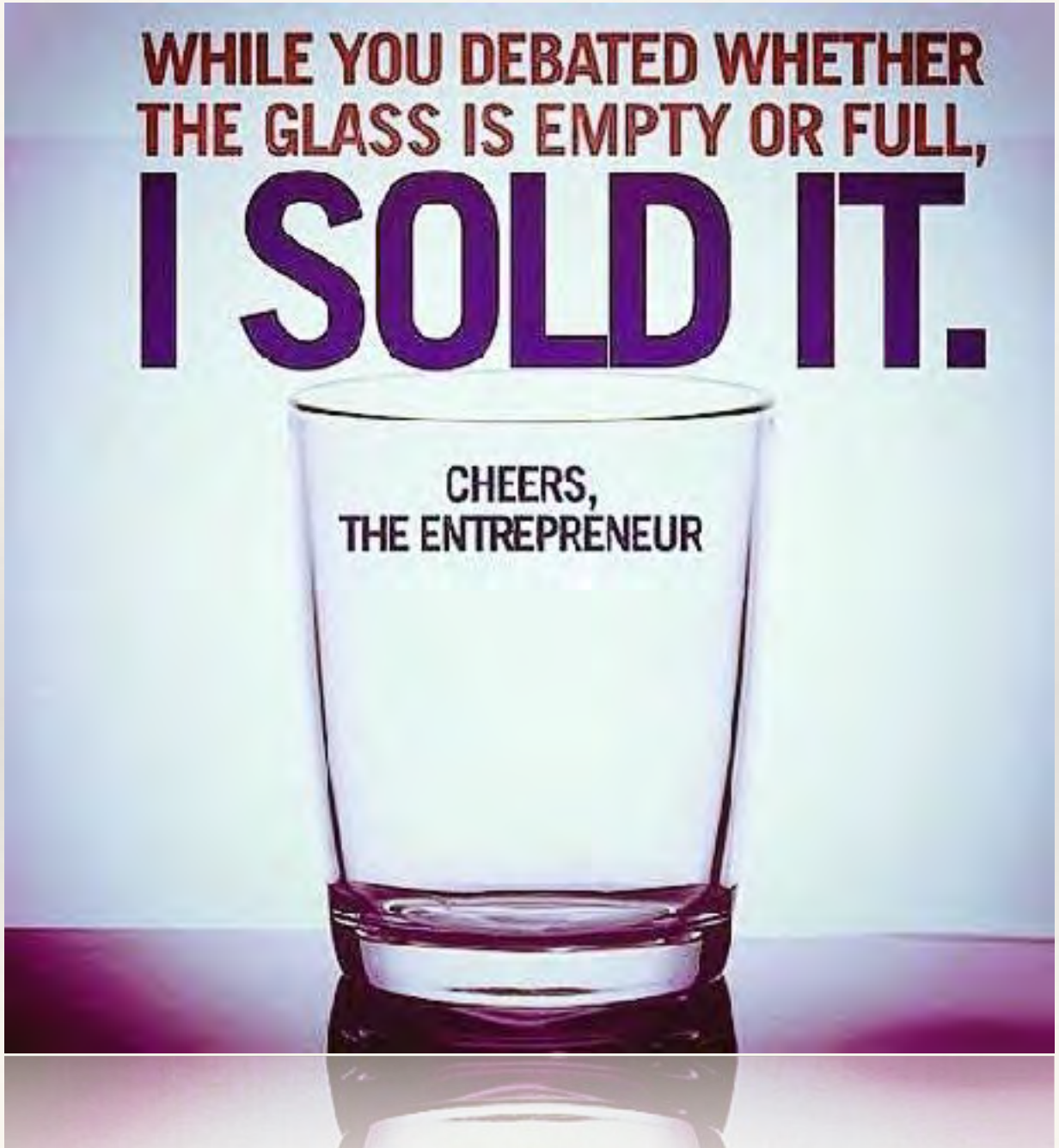
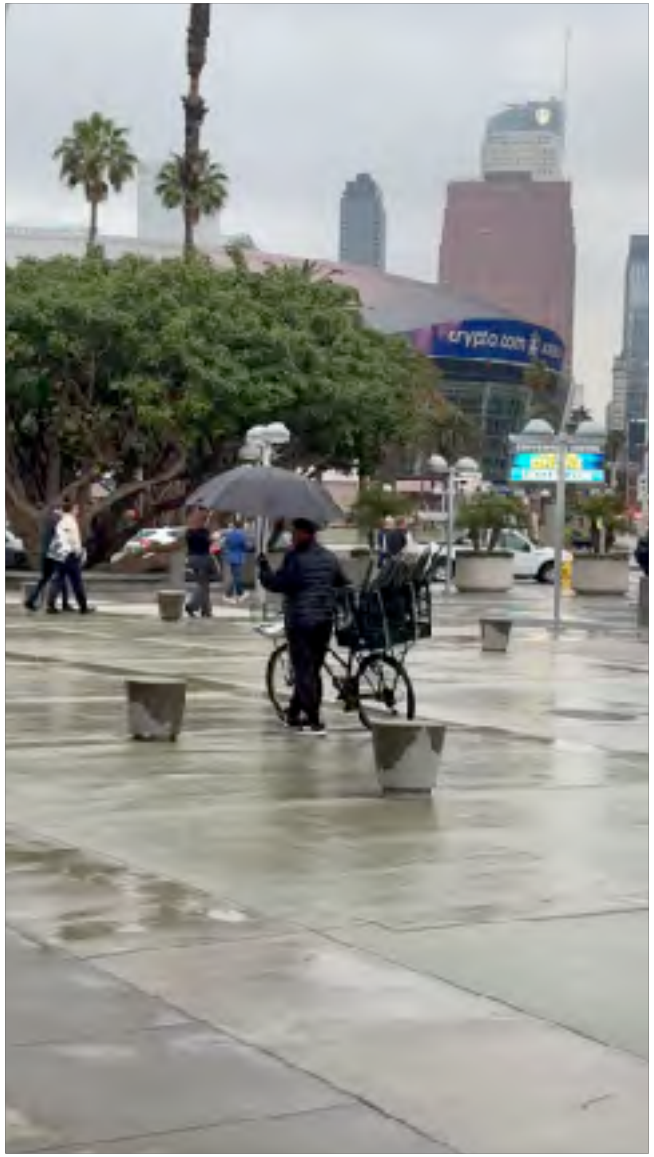
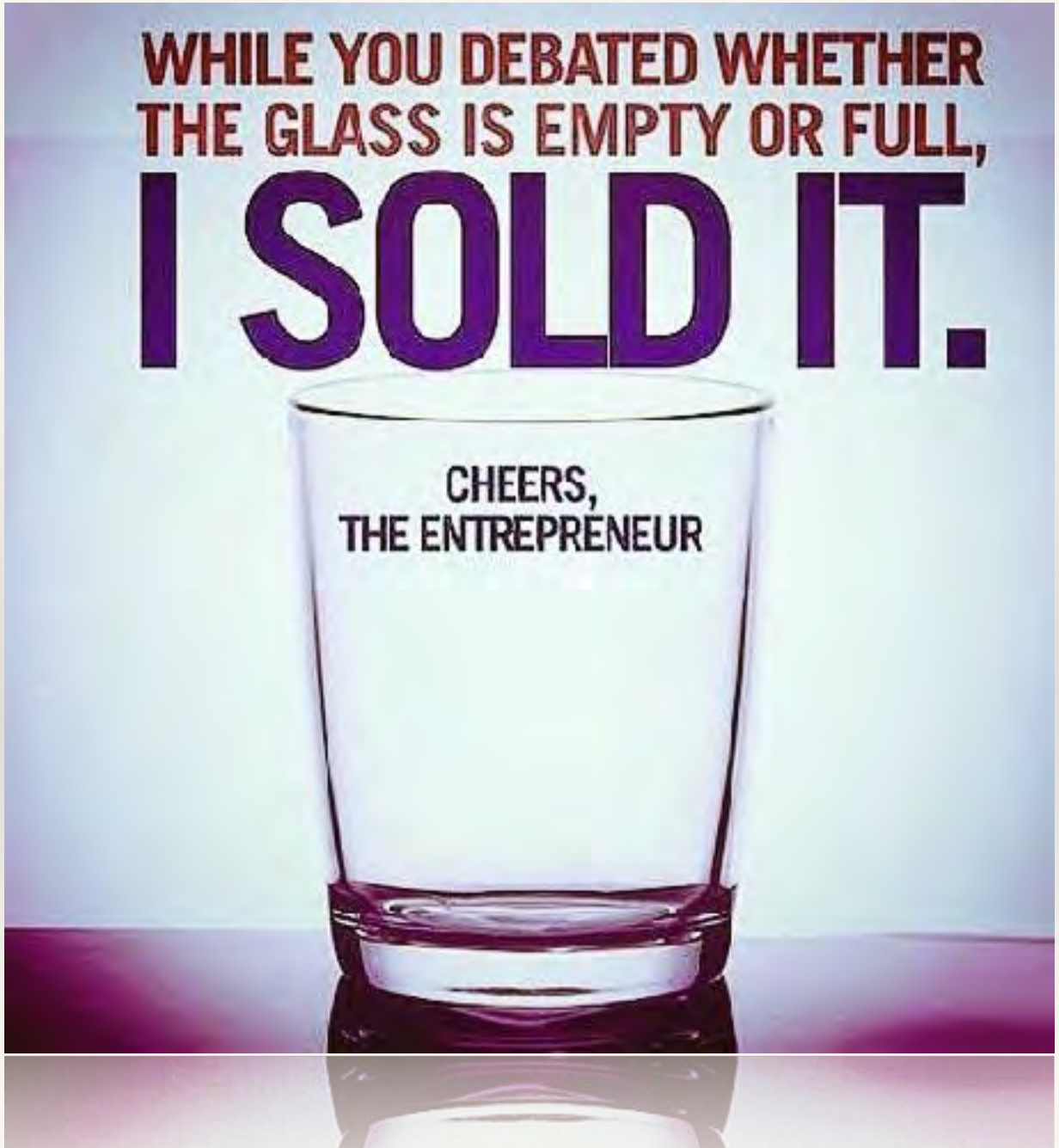

WHILE YOU DEBATED WHETHER
THE GLASS IS EMPTY OR FULL,
I SOLD IT.
CHEERS,
THE ENTREPRENEUR


crypto.com


WHILE YOU DEBATED WHETHER
THE GLASS IS EMPTY OR FULL,
I SOLD IT.
CHEERS,
THE ENTREPRENEUR

ICT&health World Conference

WHO, WHAT, WHERE

ICT&health World Conference

- 14, 15 and 16 May 2024
- 08.[15] a.m. to 06.[00] p.m
- Physical + Live stream
- 1st, 2nd, 3rd and 4th line of care
- 10.000+ national and international visitors

14./15/16 May 2024	Time 08.[15] am/06.[00] pm	Visitors 10.000+	MECC Maastricht The Netherlands

Hosting City: Gemeente Maastricht

Hosting Province: provincie limburg

Target group 2024

From home and abroad

1st, 2nd, 3rd and 4th line Stakeholders in healthcare

- Government
- Policymakers
- Supervisory boards of hospitals and clinics
- Heads of purchasing finance/investments/IT
- Media
- Healthcare professionals
- Experience experts
- Research and knowledge institutions
- Patients
- Caregivers

Businesses

- Technology companies
- Startups and Scaleups
- Developers
- Financial service providers
- Insurance companies
- Consultants/consultancy firms
- Investment companies

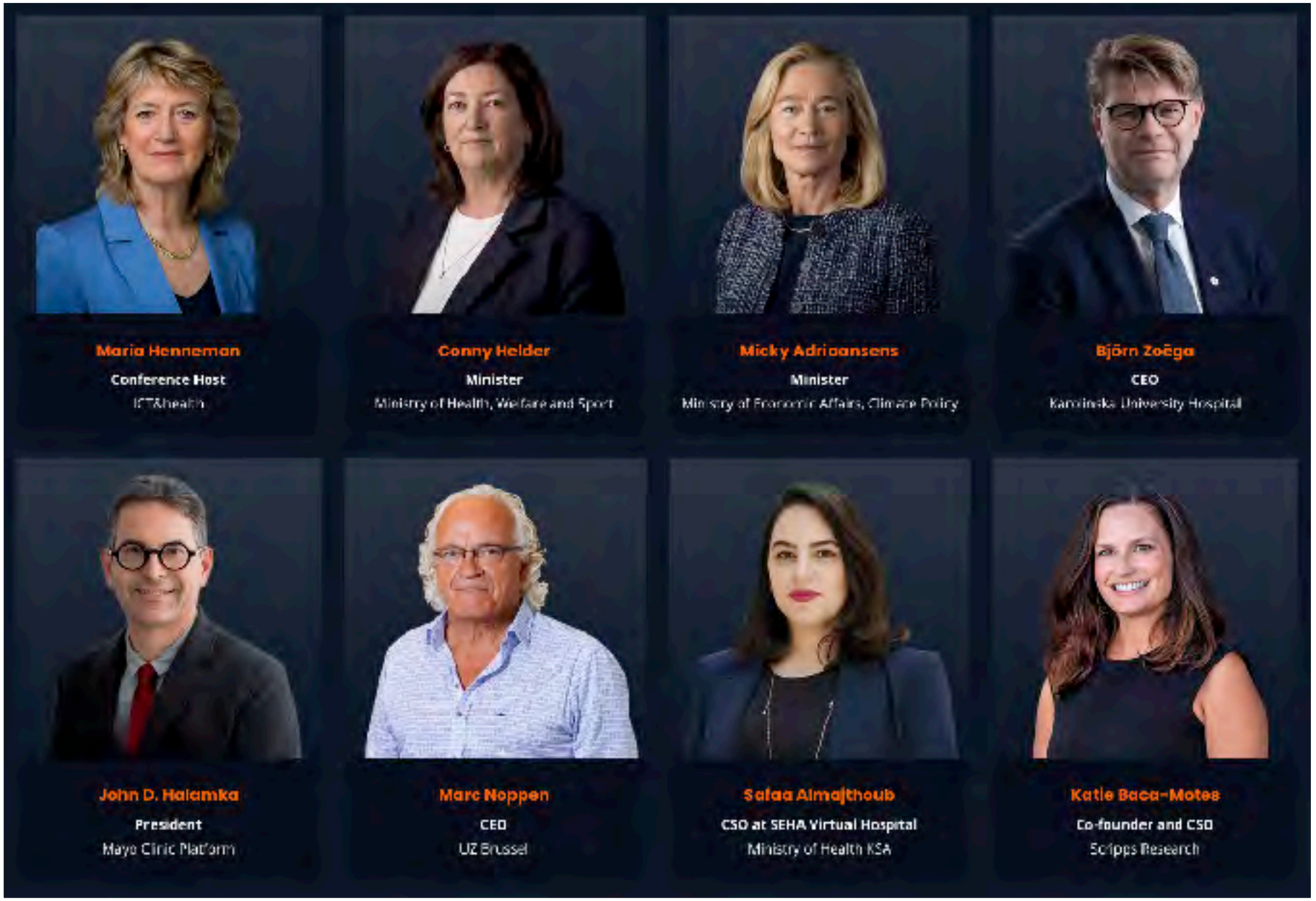
Knowledge organisations

- Healthcare authorities in the Netherlands
- Universities & living labs
- Patient organizations

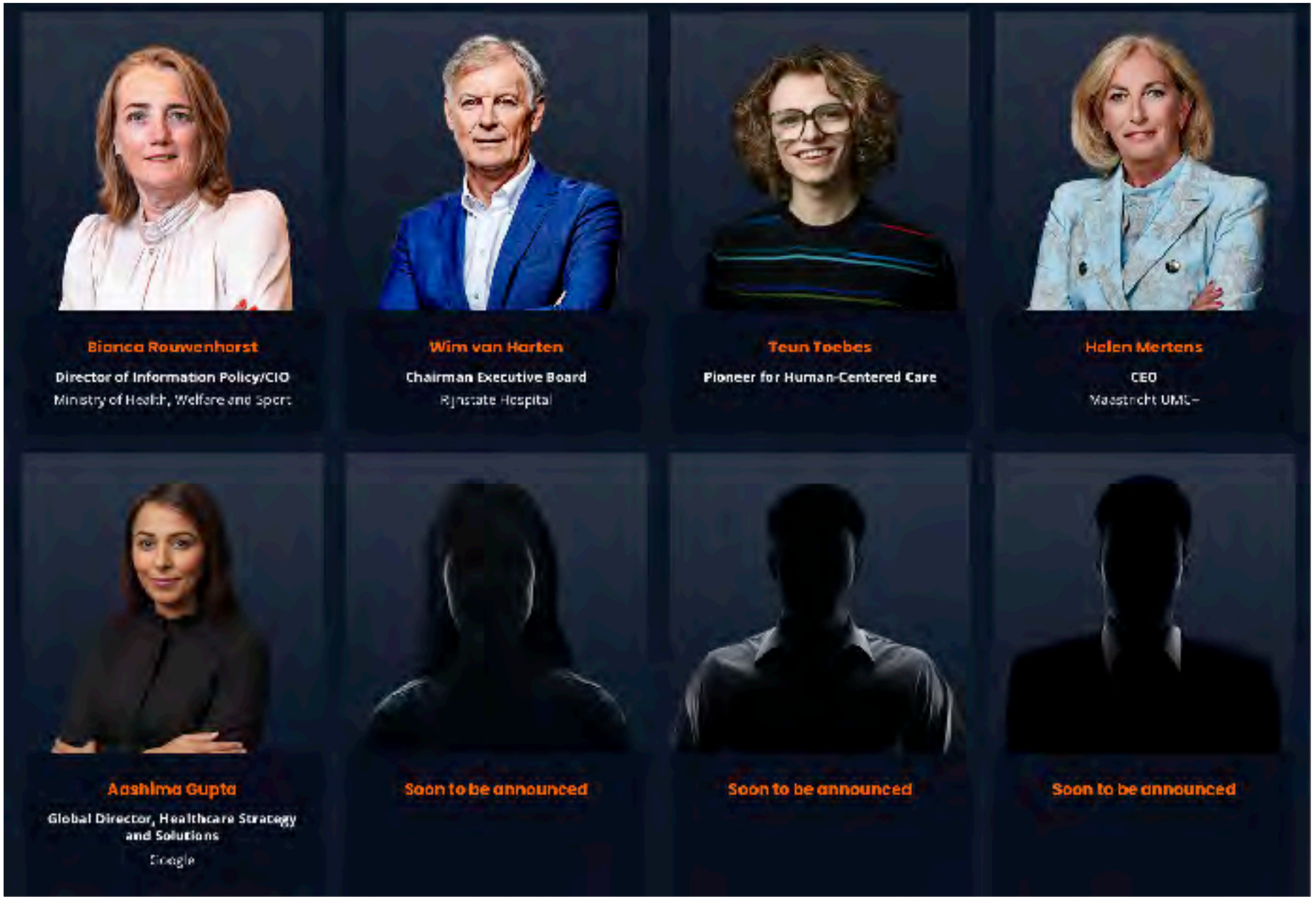
Ministries present

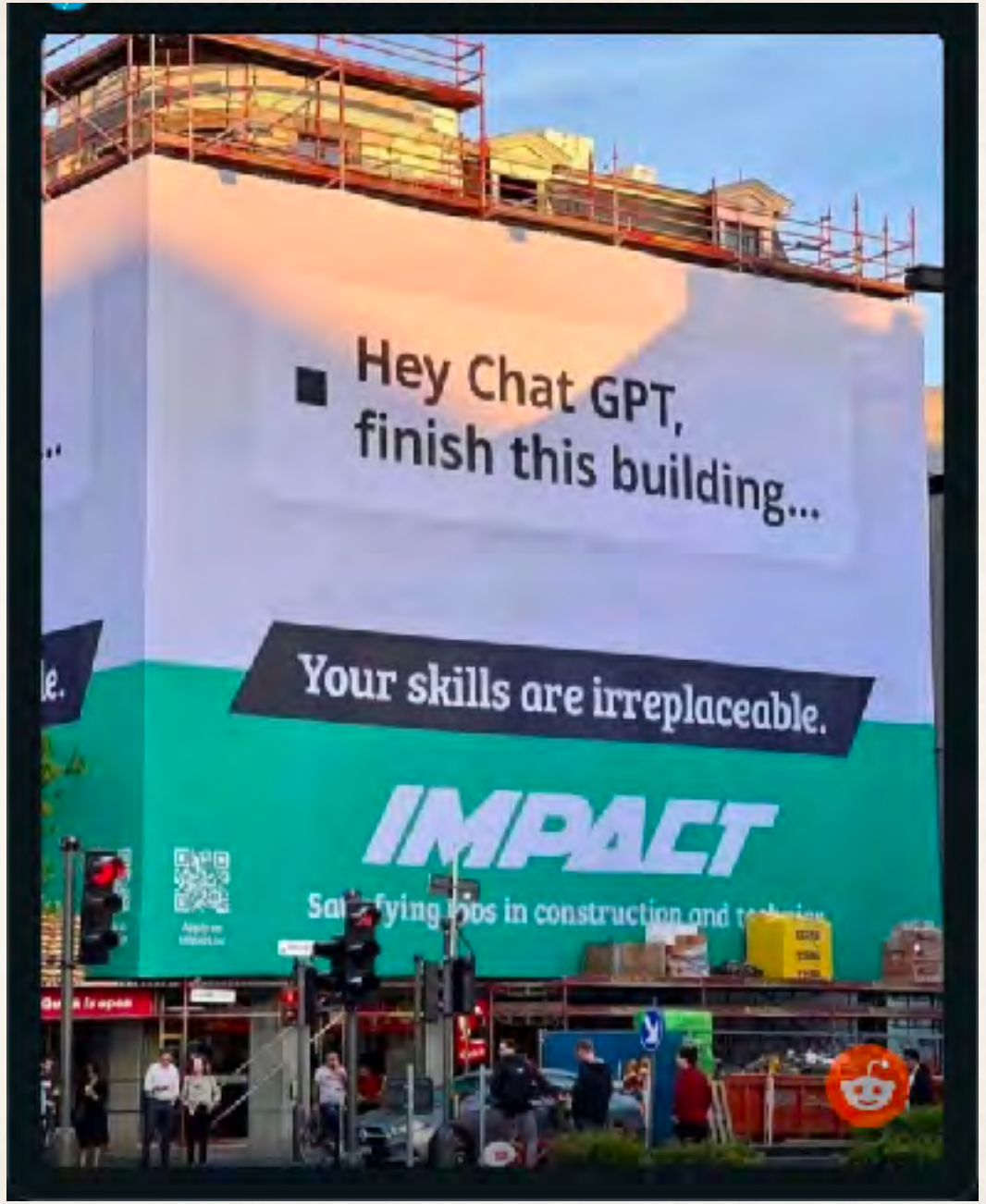
Ministry of Health Welfare and Sports (MVS)

ICT&health World Conference


Maria Henneman
Conference Host
ICT&Health
Conny Helder
Minister
Ministry of Health, Welfare and Sport
Micky Adriaansens
Minister
Ministry of Economic Affairs, Climate Policy
Björn Zoëga
CEO
Karolinska University Hospital
John D. Halamka
President
Mayo Clinic Platform
Marc Noppen
CEO
UZ Brussel
Salaa Almajthoub
CSO at SEHA Virtual Hospital
Ministry of Health KSA
Katie Baca-Motes
Co-founder and CSO
Scripps Research

Maurice van den Bosch
Chairman Executive Board | OLVG
Diederik Gommers
Chief Intensive Care/Intensivist, Erasmus MC | Chair editorial board ICT&health
CK Andrade
Director, Health care - Life Sciences
Gartner
Michel van Genderen
Internist-Intensivist
Erasmus MC
Masi Mohammadi
Scientific Director
The DEEL Academy
Lucien Engelen
CEO
Transform.Health
Daan Dohmen
Professor Digital Transformation
in Healthcare
Katarzyna Kolasa
Professor of Health Economics
Kozminski University (Poland)


Bianca Rouwenhorst
Director of Information Policy/CIO
Ministry of Health, Welfare and Sport
Wim van Harten
Chairman Executive Board
Rijnstate Hospital
Teun Toebes
Pioneer for Human-Centered Care
Helen Mertens
CEO
Maastricht UMC+
Aashima Gupta
Global Director, Healthcare Strategy and Solutions
Google
Soon to be announced
Soon to be announced
Soon to be announced


Hey Chat GPT,
finish this building...
Your skills are irreplaceable.
IMPACT

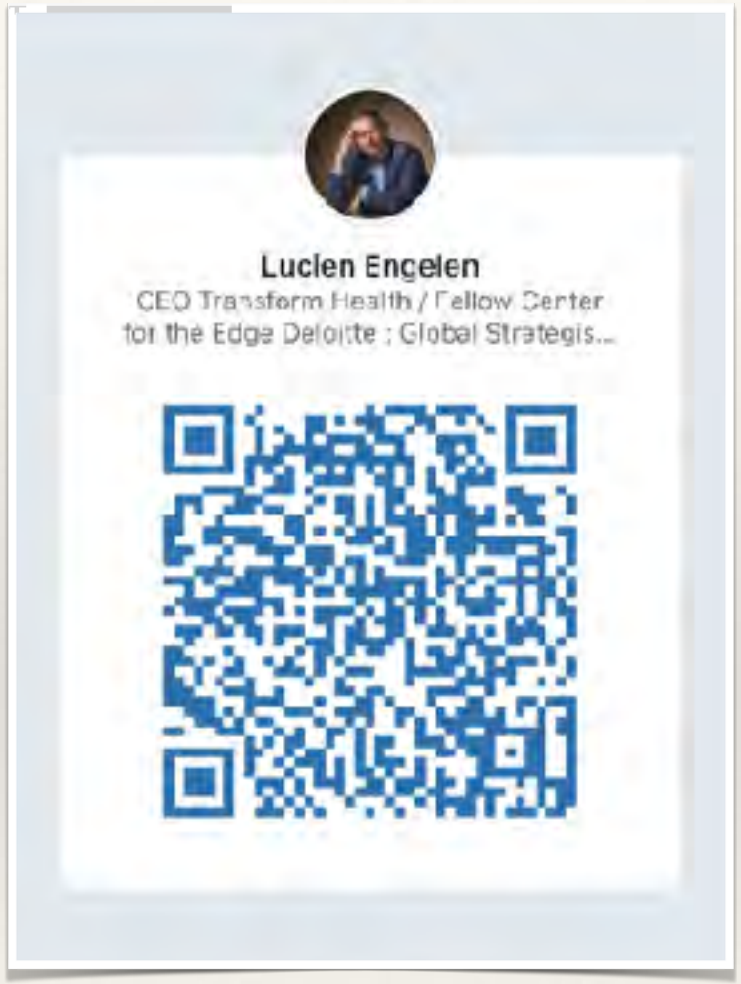
KTLA
CNN

KTLA
CNN

KTLA
LETS CLOSE THE TAP NOW!
CNN

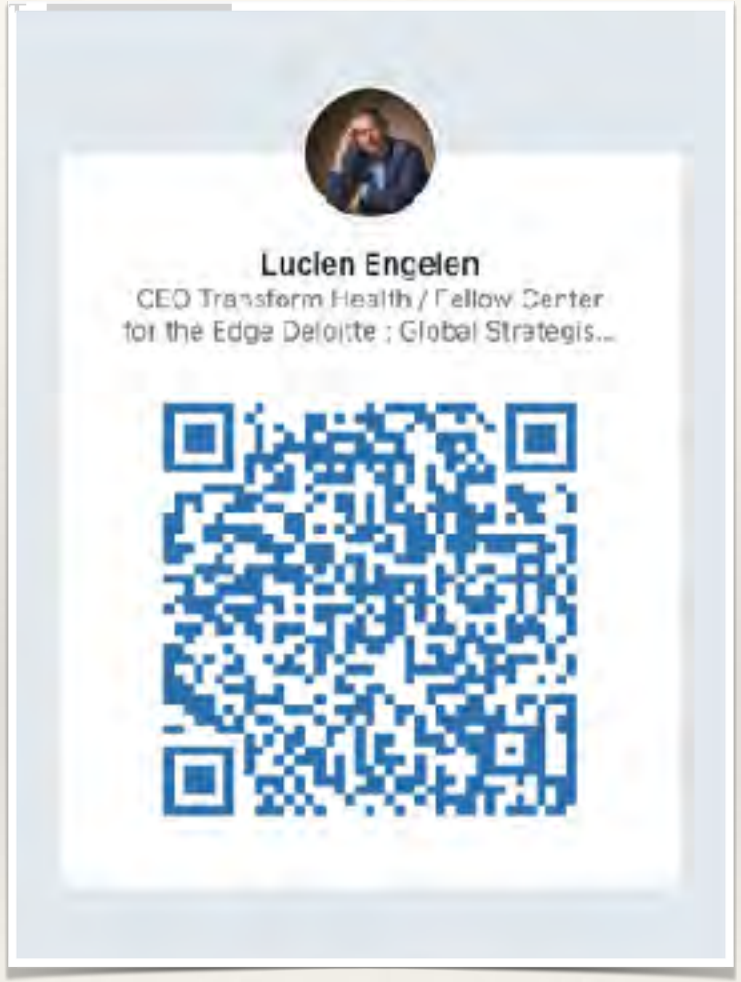
the Power of the human touch

Slides will be available
Send me a message on Linkedin



No conflicts of interest, no shares,
non-prescribing, not a MD, not a Nurse.

Slides will be available
Send me a message on Linkedin



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