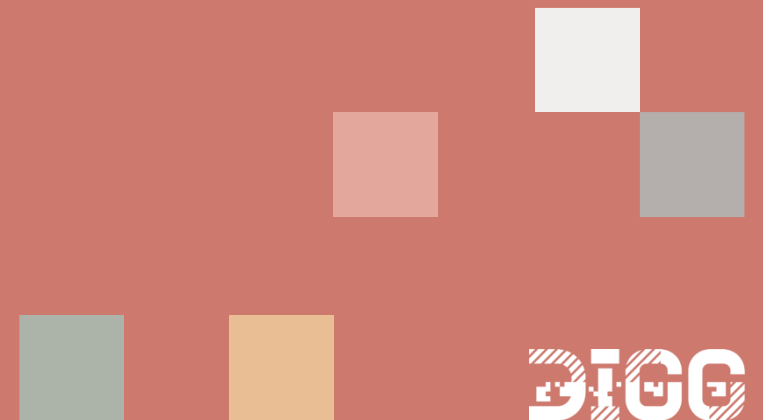


What about AI?





**MYNDIGHETEN FÖR
DIGITAL FÖRVALTNING**
Agency for Digital Government

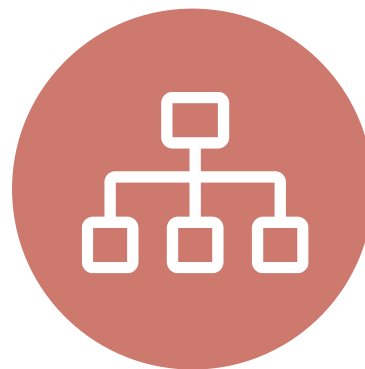
Our mission



We follow up and analyse the digitalisation of society.

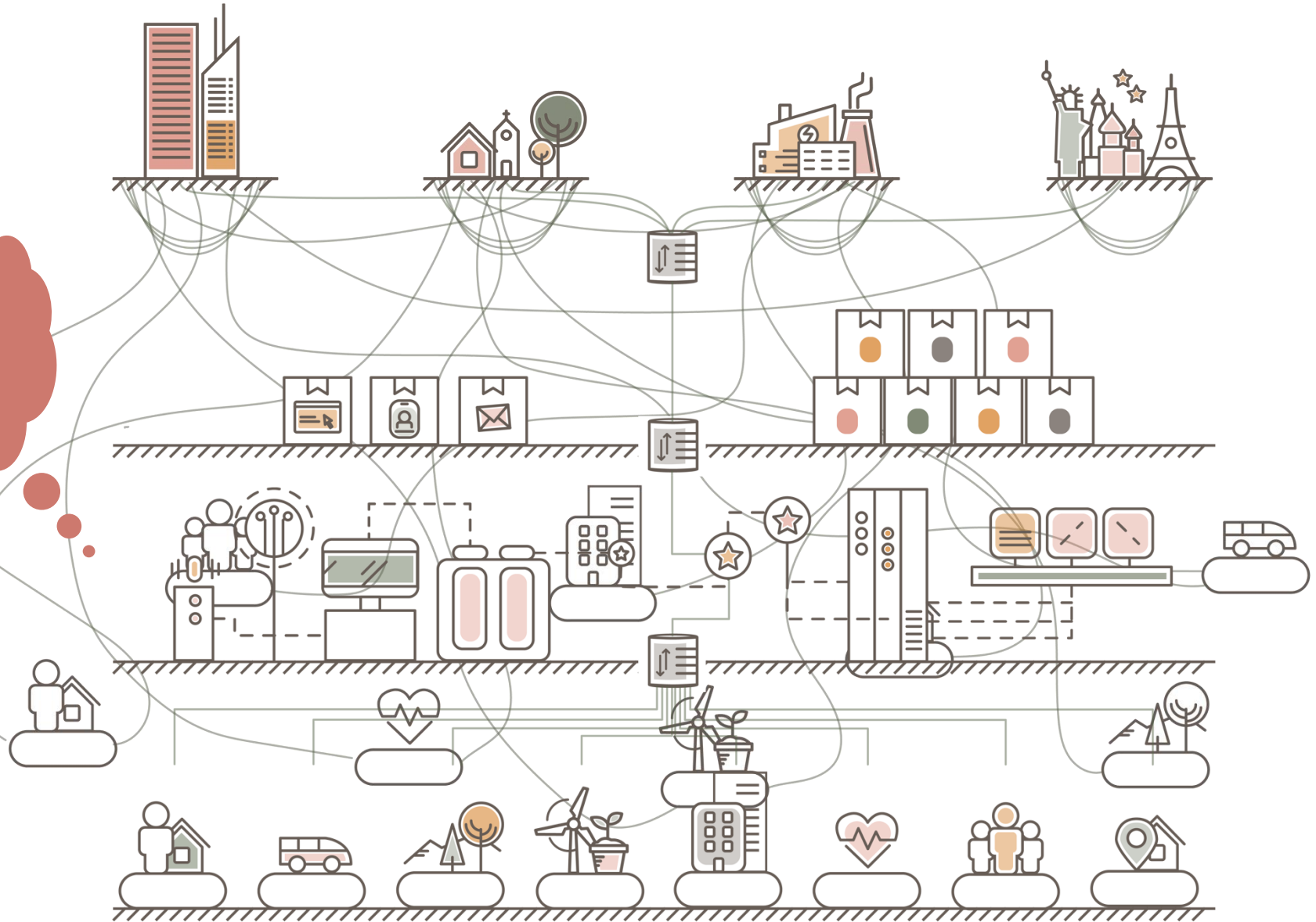


We help the government make well-informed decisions.



We are responsible for Sweden's digital infrastructure.

AI



Covid pass

- Built with existing and new digital infrastructure
- Digg was in charge of the project
- Co-operation with agencies of E-Health, Public Health and many others

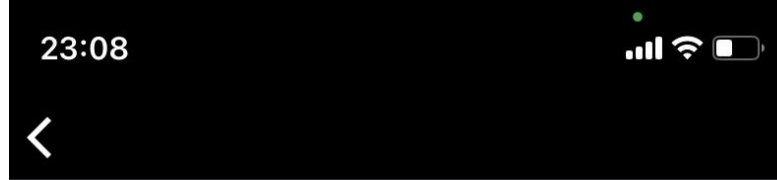
- And it is kind of digital breakthrough with digital value objects, proof of health



About me & agenda

- Mats Snäll
 - Senior Advisor
 - A digital practitioner who try to influence on AI and other digital issues
1. AI in Swedish Public Sector – what we know
 2. Reflections on barriers or risk with AI in Healthcare
 3. Conclusions/advises

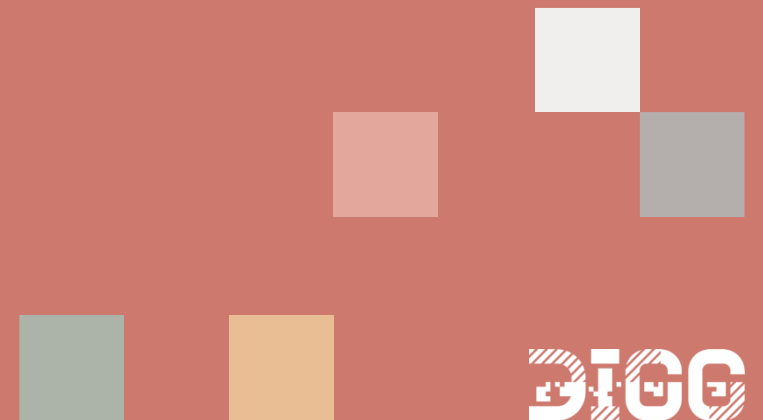
According to SeeingAI



52-årig man med brunt hår och mustasch som verkar vara glad.

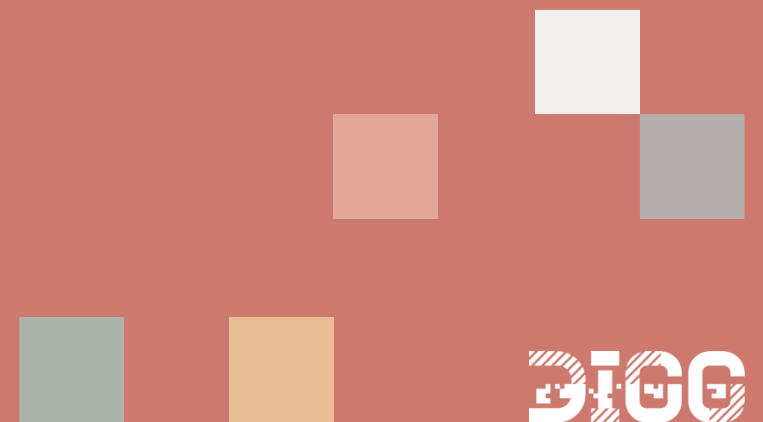
What about AI?

The question everyone should ask



AI in Swedish Public sector

Where do we stand?

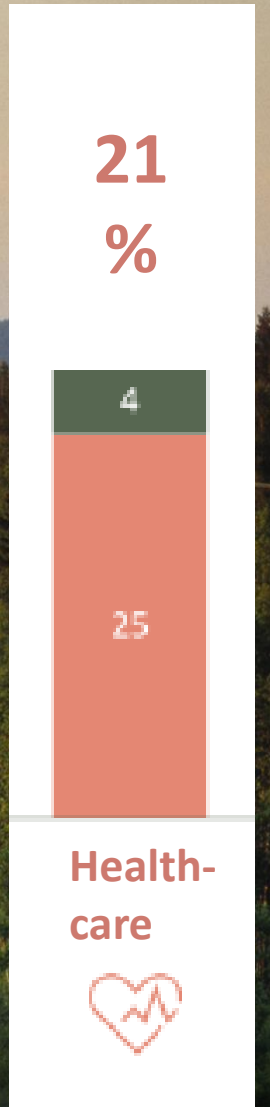


The potential of AI in Sweden – Public sector (2020)



140

Billion per year



+ 47 %

increase of people over the age of
80 within the next 10 years.

SCB (Statistics Sweden).

SKR: Urgent need for labour in Healthcare (2020)

500000

To be employed until 2026

Number of AI-applications (2020)

59 in use in Healthcare

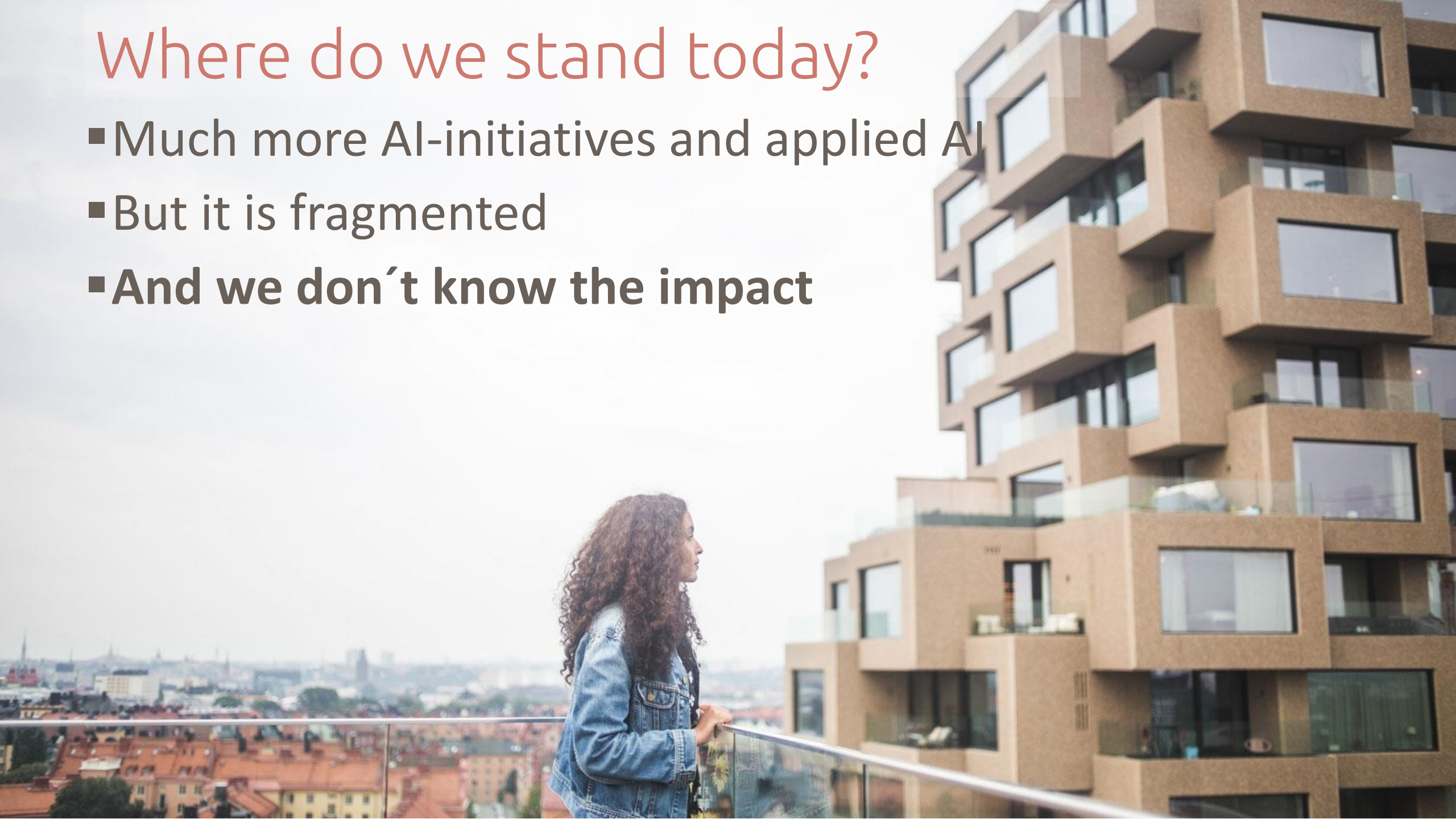
100 planned or in development

10 in State agencies and

30 planned or in development

Where do we stand today?

- Much more AI-initiatives and applied AI
- But it is fragmented
- **And we don't know the impact**



The same conclusion as in 2020

- AI still in the beginning
- Developed by few, innovative enthusiasts and not enough competence
- Lack of competence and change management in all kind of managements



“Don’t restrict our innovation!”

*The loud and massive shout from those who want to develop AI
and not have the AI-act*

“AI must be regulated!”

Almost “everyone”; from EU Commission and Parliament to private companies, ask for regulation, policies and standards now

And, at the same time we must...

- Strengthen our military defence
- Strengthen our civil defence
- Strengthen our digital security

...

- And still develop and run our businesses in an effective and customer oriented manner

“What may be the worst scenarios regarding AI in Healthcare?”

Mats Snäll asked chat.openai.com

Worst case scenarios according to chatopenai



- Misdiagnosis and Treatment Errors:
In healthcare, accurate diagnosis and treatment decisions are critical
- Data Breaches and Privacy Concerns:
AI in healthcare relies heavily on patient data for training algorithms and making informed decisions
- Algorithmic Bias and Health Inequities:
AI algorithms can unintentionally inherit biases from the data used to train them
- Over... *I will come back to this last one!*

Misdiagnosis and Treatments

In healthcare, accurate diagnosis and treatment decisions are critical.

If AI systems are not properly validated, trained, or regularly updated, there is a risk of misdiagnosis and treatment errors.

No shit!

Right! But in my world this is exactly what exists with humans, right?



Data Breaches and Privacy Concerns

AI in healthcare relies heavily on patient data for training algorithms and making informed decisions



However, if the data storage and transmission systems are not secure, there is a risk of data breaches and privacy violations. Unauthorized access to patient records or AI models can lead to the exposure of sensitive health information, identity theft, or manipulation of medical records.



Ahh! Wow! Tell me all about it... Actually I think

Algorithmic Bias and Health Inequities

AI algorithms can unintentionally inherit biases from the data used to train them

If the training data is biased or unrepresentative, the resulting algorithms can perpetuate and amplify existing health disparities. For example, if an AI system is trained predominantly on data from a specific demographic group, it may lead to inaccurate diagnoses or recommendations for underrepresented populations. This can further exacerbate health inequities and contribute to disparities in access to quality care, diagnosis, and treatment outcomes



Right, this is not good! But it is about our values & ethics, not “the” AI-specific-values



“What about AI?
Can AI be a solution to the Healthcare
challenge of reduced manpower and all
upcoming threats?”

Mats Snäll

“Yes, AI can indeed be a solution to the healthcare challenge of reduced manpower and help address upcoming threats”

chat.openai.com





What can we do?

I asked myself

Keep on, get your hope up and manage it!

- We must produce code and algorithms instead of word documents
Give space to the start ups, enthusiasts and crazy people!
- Re-use and make AI re-usable!
Use the available tools and assets
- We do have a Trust model (offentligai.se) TRY IT!

A lot of practitioners in Health sector which is good!

“Without data, you´re just another
person with an opinion

In God we trust, all others bring data”

W.Edwards Deming

Data is the new gold! But...

- Manage the data!
You have it in such quantities you might drown before you have an AI work for you
- Security and integrity issues might kill any AI-attempt
Regard it with care!
- No AI without data and it is all about data.

Healthcare knows about urgency and the sector might be an icebreaker for all

And finally, the last worst case scenario:



Overreliance on AI and Loss of Human Connection

In healthcare, the human touch and empathetic communication between healthcare providers and patients are vital.

Excessive dependence on AI systems might result in healthcare professionals disregarding their own expertise and blindly following AI recommendations.

This can lead to a devaluation of human judgment, patient dissatisfaction, and potential errors if AI systems encounter unexpected or unfamiliar situations.



Resist, keep up and fight!

Overreliance on AI and Loss of Human Connection will not happen if you...

- Remember that humans decide on matters of AI!
- Keep being human and attend to core values, ethics and be good!
- AI make healthcare better

Managements MUST learn to manage people AND AI – both intelligent subjects/entities/assets...

Don't be a dinosaur!



Contact (me, a human)

mats.snall@digg.se

+46 0702309404

LinkedIn: Mats Snäll

Get inspired or informed:

Ex Machina (Alex Garland, 2014)

Her (Spike Jonze, 2013)

The Matrix

Blade Runner 2049



Don't wait

...at all!

