DigITSU

A hospital-wide boost for digitalization and digital competence at the Sahlgrenska University Hospital

2022-06-21

VÄSTRA GÖTALANDSREGIONEN
SAHLGRENSKA UNIVERSITETSSJUKHUSET

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Declarations of interest

The presented project has received funding from the European Social Fund (ESF) in Sweden.

No other external funding applies.

Key points

- Digitalization builds on both individual competence and organizational maturity.

- The level of digital competence varies greatly, but all employees need to be on board.

- Patience and flexibility are important in efforts to improve digital competence.

On the healthcare map

- One o...
- Speci... Göta...
- Natio... withi...
- Leadi... Sahlg... Chalmers University of Technology, commercial partners and others

A typical day at the hospital

- 29 Births
- 630 emergency visits
- 3 200 outpatient visits
- 45 000 lab analyses

Ångereds Närsjukhus
Capio Lundby Närsjukhus
Sahlgrenska Universitetssjukhuset
Högsbo sjukhus
Frölunda Specialistsjukhus
Mölndals sjukhus
Drottning Silvias barn- och ungdomssjukhus

Sahlgrenska Universitetssjukhuset

SÄS Skene

SÄS Borås

Södra Älvsborgs sjukhus

Skaraborgs Sjukhus Skövde
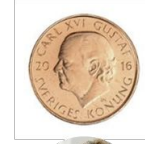Skaraborgs Sjukhus Falköping

Mariestad

...lasarett

...sjukhus

Sjukhus och sjukhusgrupper

- ● Sjukhus som ingår i grupp
- ● Sjukhus som ej ingår i grupp
- ● Privat, avtal med Västra Götalandsregionen

Why digitalization?

Limited financial resources

Limited availability of care personel

Growing old
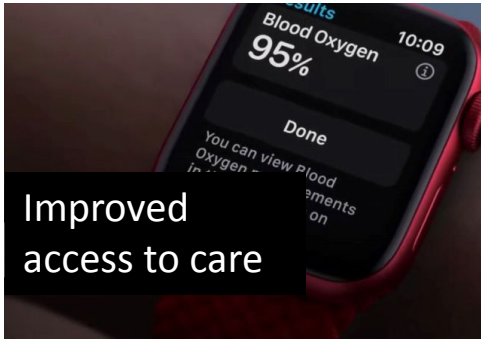+49% >80 in 10 years

Increased needs
- Chronic conditions
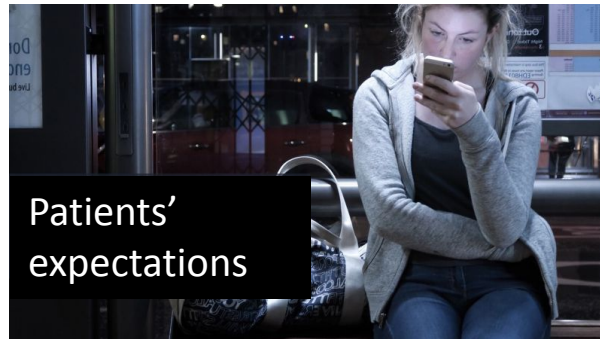 *2015-2040:*
  Dementia + 96%, Parkinson + 100 %

- Multimorbidity

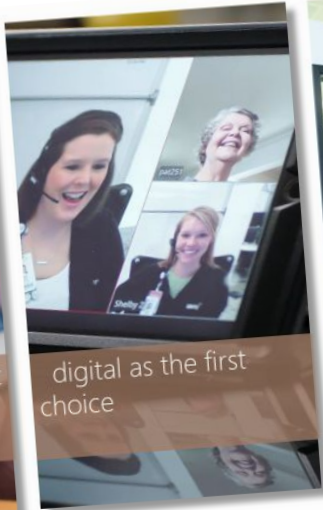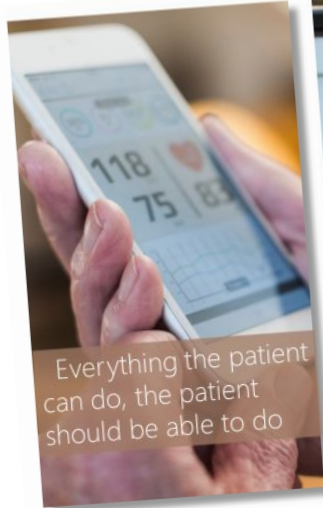New ways of working and digital tools needed!

Improved access to care

Patients' expectations

Patients as resources for their own health

Blood Oxygen 10:09
95%
Done
You can view Blood Oxygen measurements on

New approaches

Everything the patient can do, the patient should be able to do

digital as the first choice

Physical care when needed

"Digitalization boost"

DigITSU

The Center for Digital Health

The "Digitalization Boost" and DigITSU to increase employees' digital competence

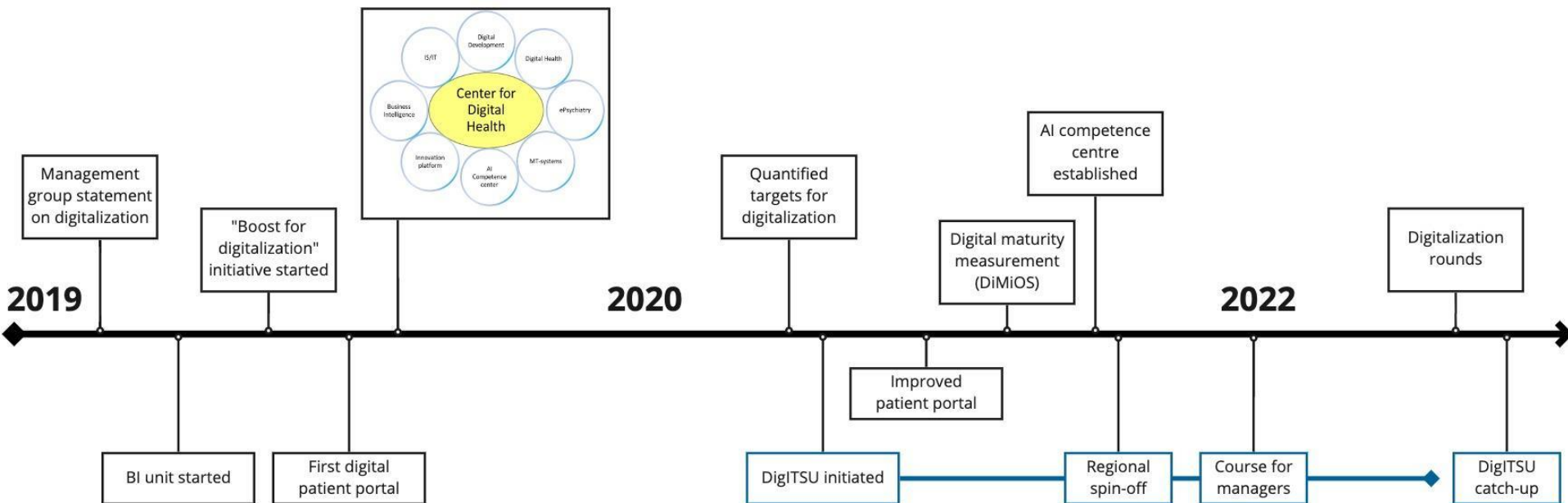Digital inspiration

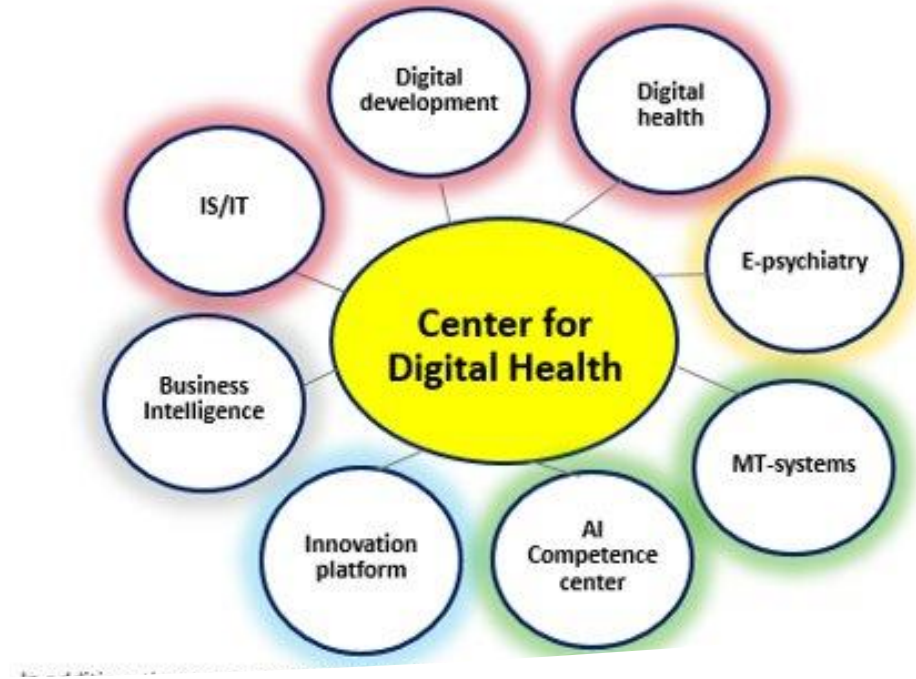Patient portal

AI competence center

Future Healthcare System

Timeline of digitalization initiatives

2019

2020

2022

Management group statement on digitalization

"Boost for digitalization" initiative started

Center for Digital Health
- IS/IT
- Digital Development
- Digital Health
- ePsychiatry
- MT-systems
- AI Competence center
- Innovation platform
- Business Intelligence

Quantified targets for digitalization

AI competence centre established

Digital maturity measurement (DiMiOS)

Digitalization rounds

BI unit started

First digital patient portal

Improved patient portal

DigITSU initiated

Regional spin-off

Course for managers

DigITSU catch-up

Center for Digital Health

- •CDH takes a holistic approach to research, development and innovation of digital health
- •Mix of health and medical staff as well as developers and innovators in a creative environment
- •Speed up the digital transformation at the hospital

What is digital competence?

Familiarity with digital tools and services and ability to keep up with the digital development and its impact on one's life.

- **Knowledge** of searching for information, communicating, interacting and producing digitally

- **Skills** to use digital tools and services

- **Understanding** of the transformation that digitalisation entails in society with its opportunities and risks

- **Motivation** to participate in the development

SOU 2015:28 s. 102-103

Key competences for lifelong learning: https://data.europa.eu/doi/10.2766/569540

How to improve digital competence?

- DigITSU – educating dialogues at all workplaces!

Improved competence
Managers and employees have an understanding and readiness for new digital working methods and think *digitally first*!

Readiness for new ways of working
Managers and employees have gained increased competence to work with existing and future digital tools.

Digital competence development
The organization has gained increased competence to conduct effective digital competence development based.

Work environment & employability
The employees' competence to use digital tools improves their work environment and increases their employability inside and outside the organization.

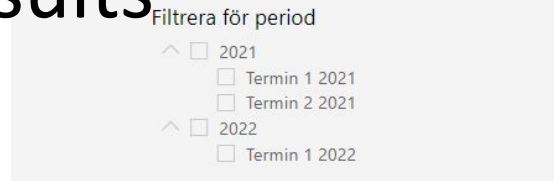# How to improve digital competence?
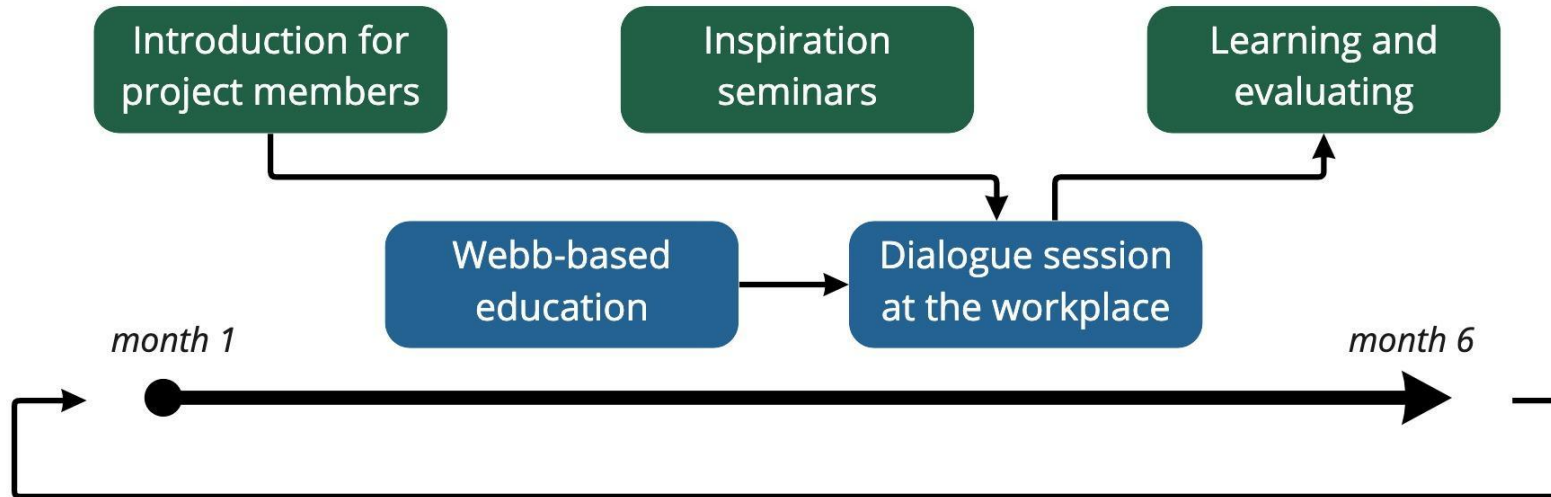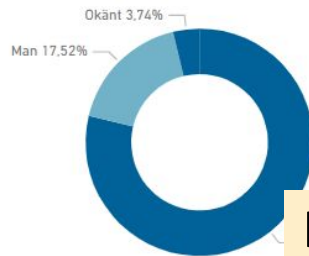
How to be relevant to the participants?
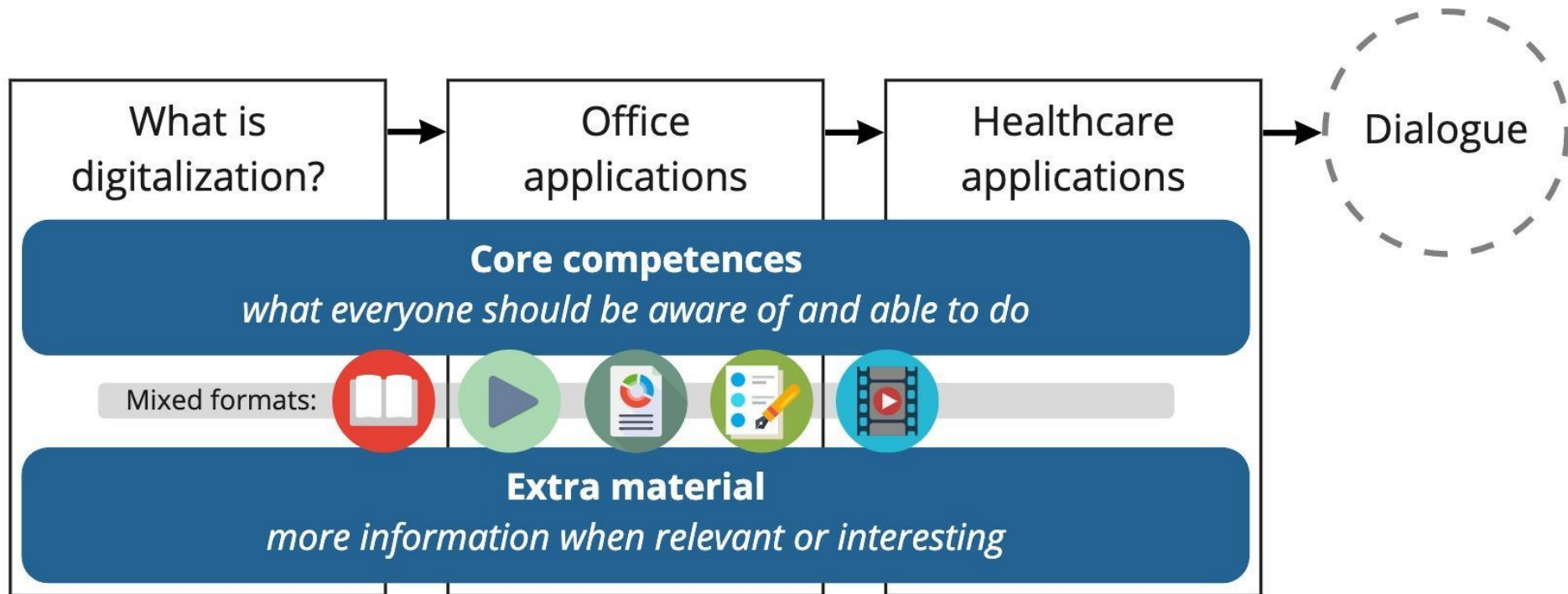
Results
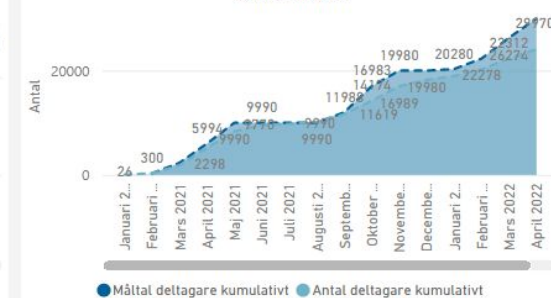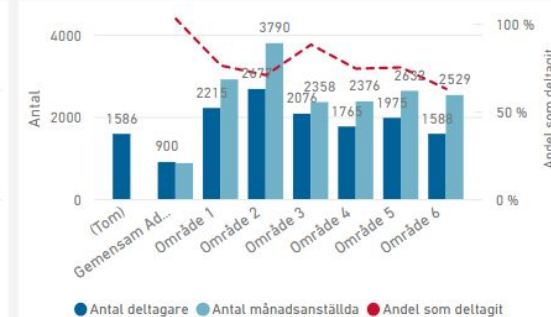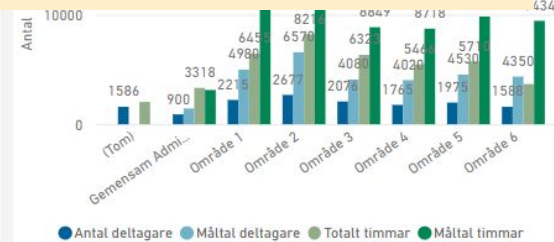
Results

- Follow-up survey:
  - Inconclusive, but less "irrelevant" responses

- External evaluator:
  - Generally well-received and successful project – difficult to measure

- Hence:
  - This is only the beginning
  - All-encompassing competence development is slow but necessary
  - More is needed to accelerate digitalization – DigITSU is only one brick

Key points

- Digitalization builds on both individual competence and organizational maturity.

- The level of digital competence varies greatly, but all employees need to be on board.

- Patience and flexibility are important in efforts to improve digital competence.

Thank you!