

Webinar

DIGITAL CARE PATHWAYS IN PRACTICE

December 3, 2019

WEBINAR PRACTICALITIES

Speakers:

Virpi Rauta, Nephrologist, Helsinki University Hospital

Laura Mäkitie, Neurologist, Helsinki University Hospital

Jörgen Gröhn, Digital Healthcare Lead, Innofactor

Questions:

Please leave your questions and comments by using the Question panel during the webinar. Questions will be answered after each presentation.

VIRPI RAUTA

Nephrologist, PhD, EMBA, Project Manager

Helsinki University Hospital

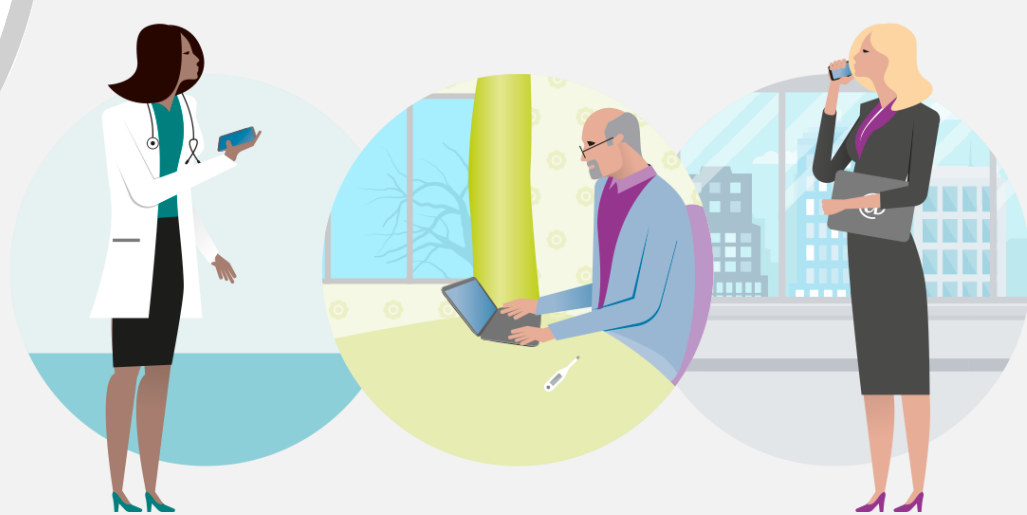
virpi.rauta@hus.fi

Virpi has long experience with chronic kidney disease patients and especially in home dialysis and self care and their development.

She works as a project manager in Kidney Hub in Digital Health Village, and also in CleverHealth Network eCare for Me Homedialysis project



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DIGITAL CARE PATHWAYS FOR KIDNEY PATIENTS

Viirpi Rauta, nephrologist

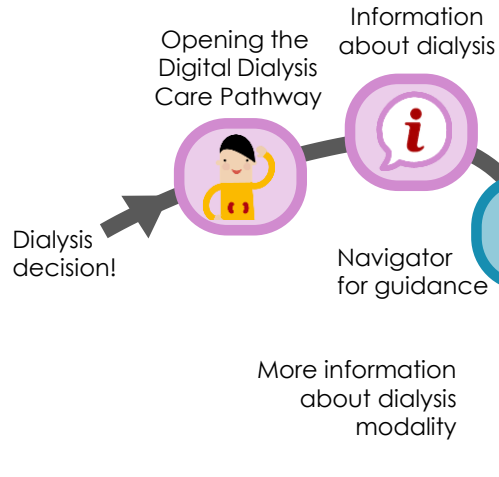
DIGITAL CARE PATHWAYS IN KIDNEY HUB

- ✓ Pathway for living kidney donors
- ✓ DiaMyn digital care pathway:
 - Dialysis modality choosing
 - Peritoneal dialysis
 - Home hemodialysis
- ✓ Pathway for in center hemodialysis
- ✓ Pretransplantation pathway
- ✓ Pathway for kidney transplant patients

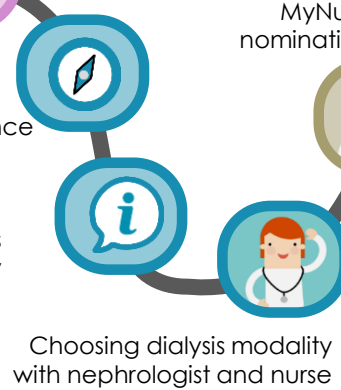


DIAMYN: DIGITAL DIALYSIS CARE PATHWAY

Dialysis for me!?



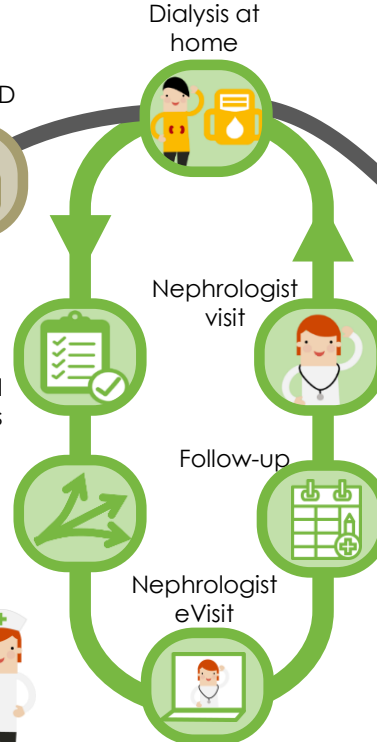
What kind of dialysis?



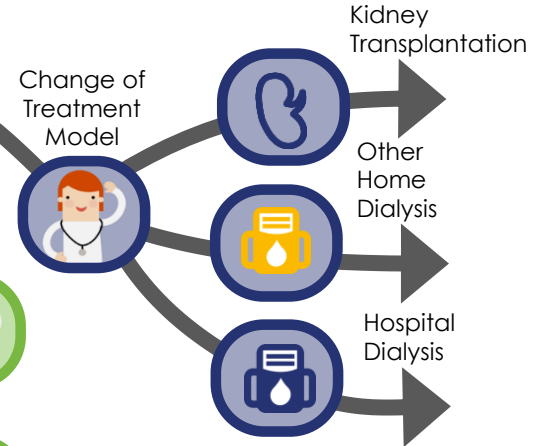
How do I learn?



How does it work?

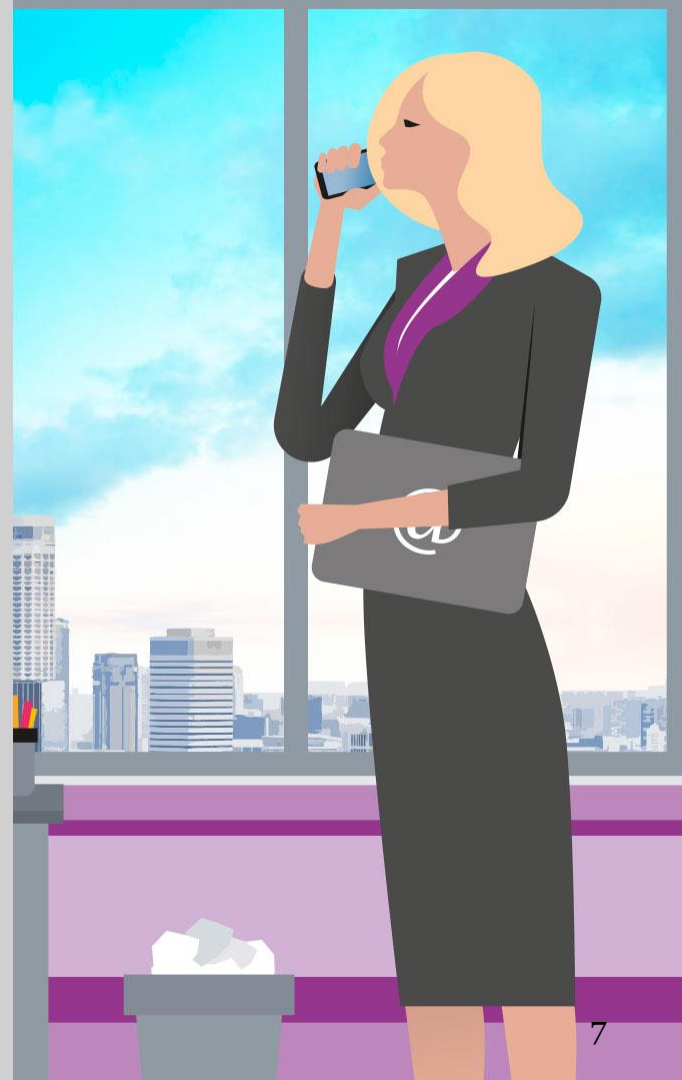


Other options?



BENEFITS FOR THE PATIENTS

- ✓ 24/7 access to all material
- ✓ Possibility to show material to family members
- ✓ Same, up-to-date training material for everyone
- ✓ Training for home therapies can start already in predialysis phase: more time to adapt information
- ✓ Possibility to go back to information, repeatedly, if needed
- ✓ Safe communication channel with the care team
- ✓ Remote videovisits



DiaMyn carepath user feedback (8/2019):

"Clear,
logical,
complete!"

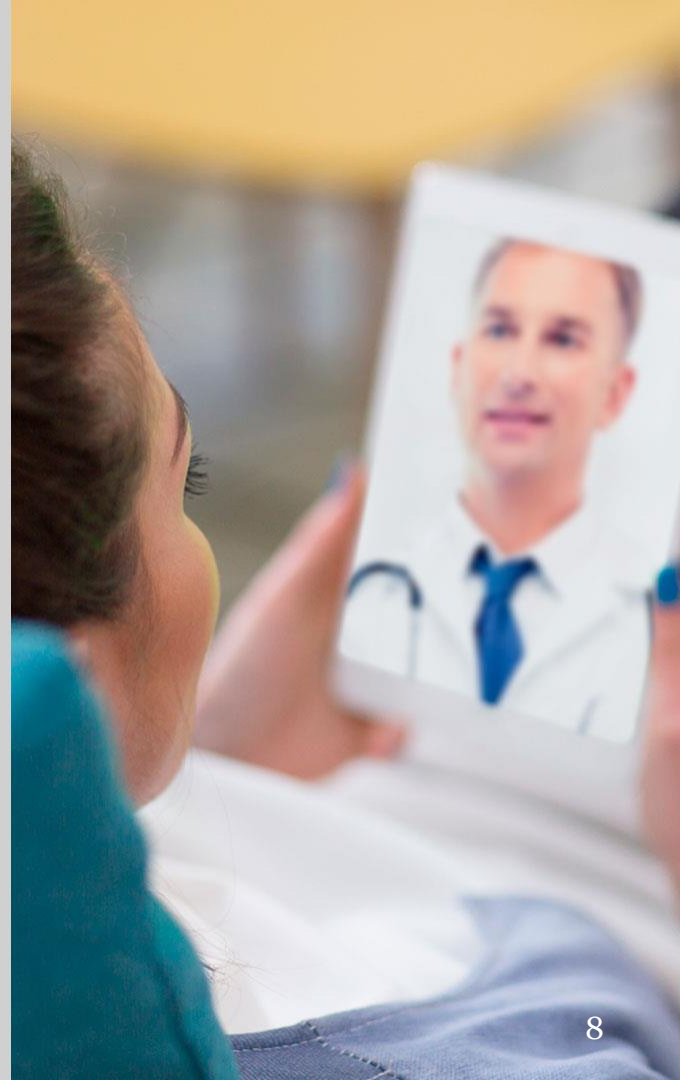
"I can trust
that
information
is reliable"

"Brilliant
idea!"

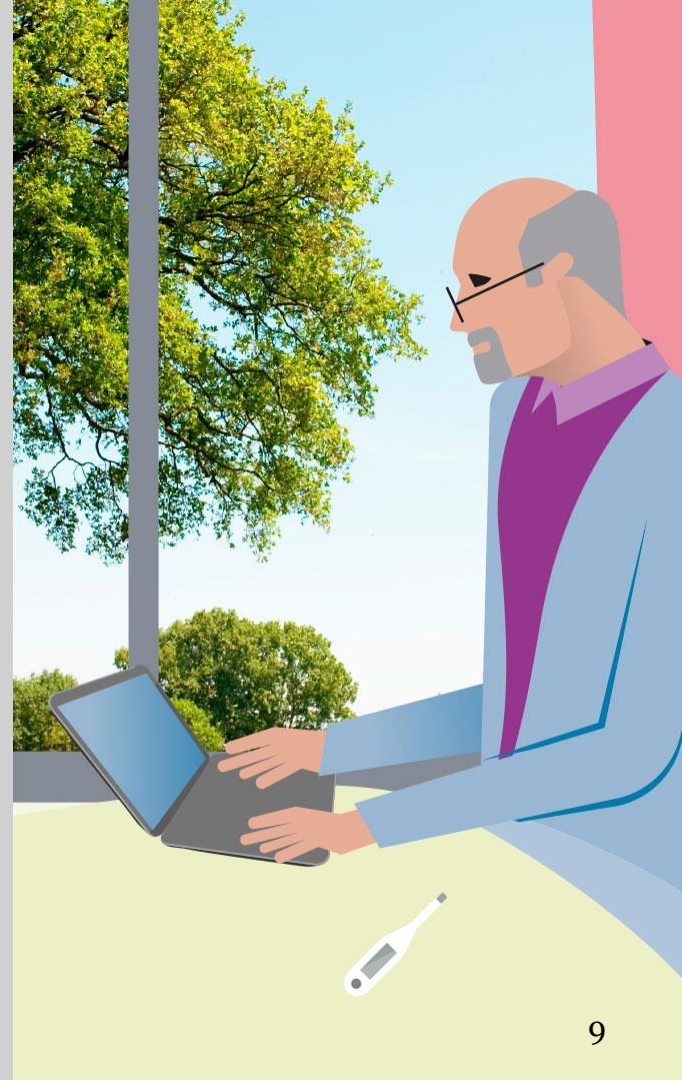
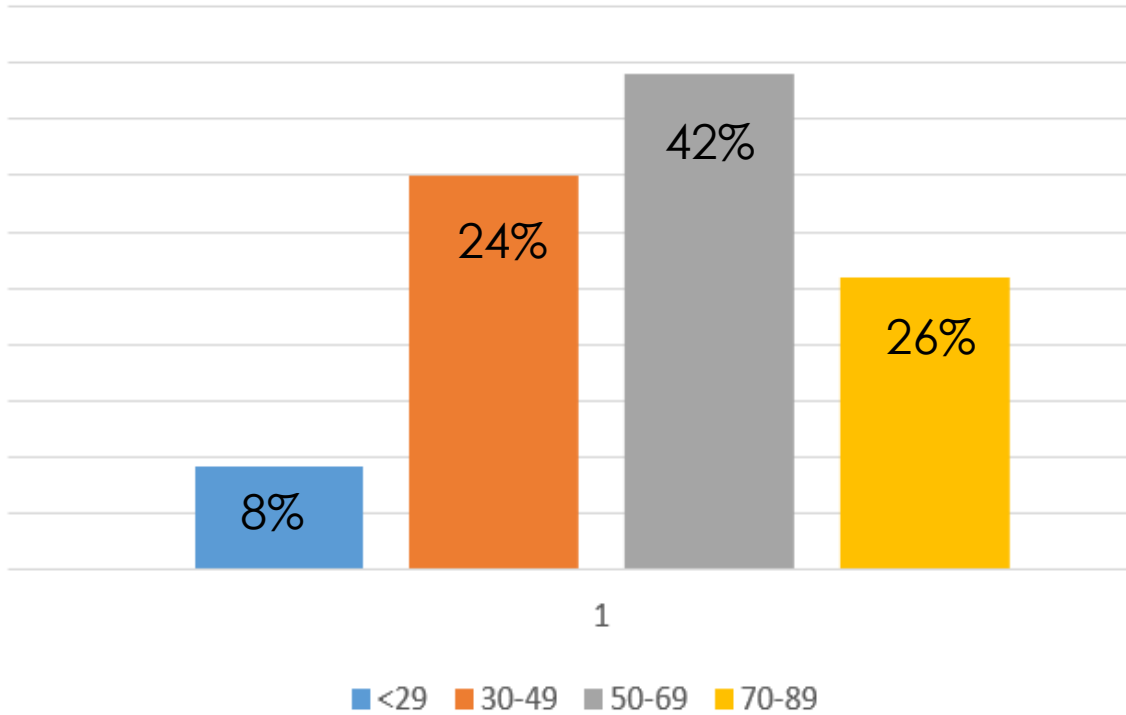
"I can browse
contents whenever
I have time, 24/7"

"Everything I
need in one
place!"

"Easy to use,
understandable"

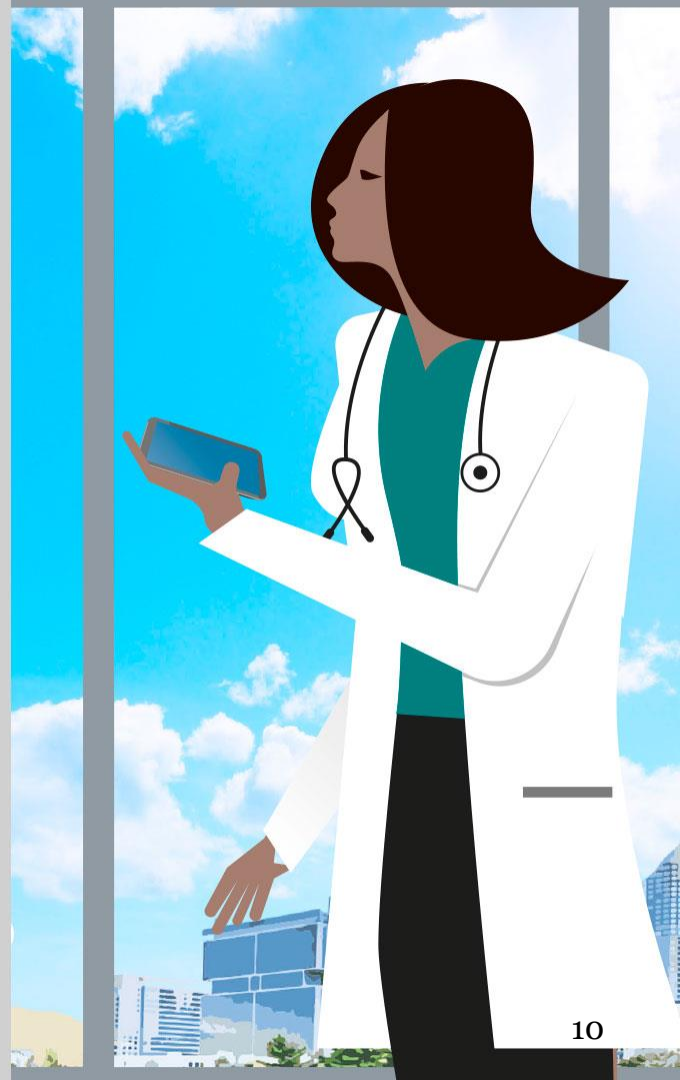


DiaMyn users by age groups



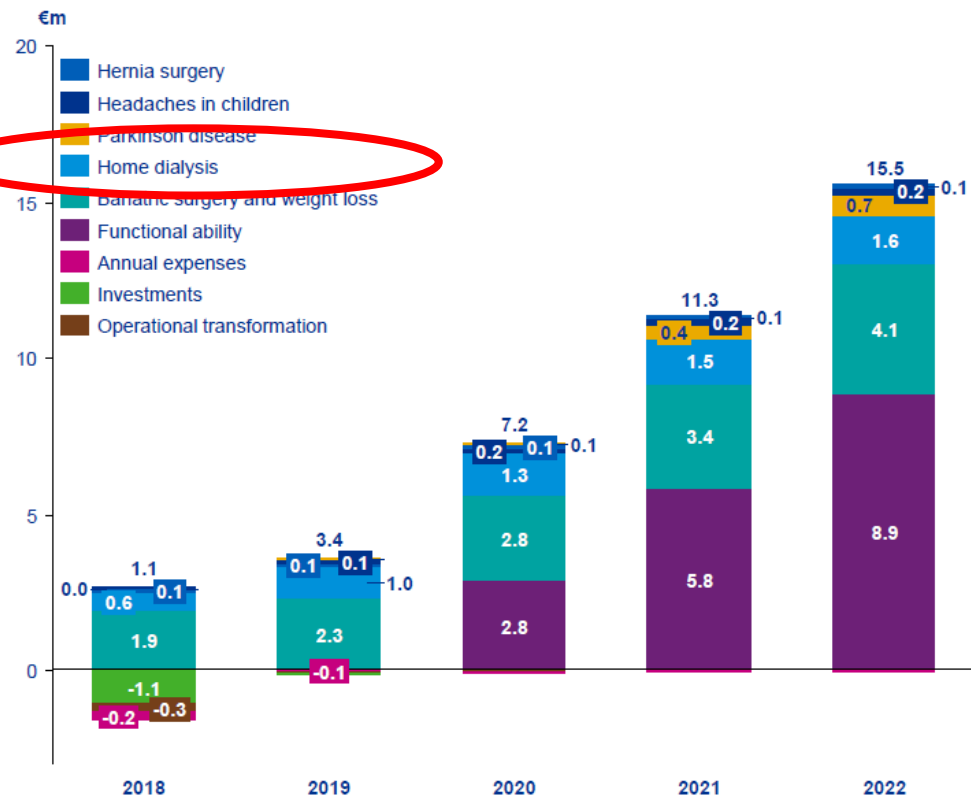
BENEFITS FOR THE PROFESSIONALS

- ✓ Structured model for increasing the proportion of homedialysis
everything needed in one place, easy to find
serves also as training material for new staff: "homedialysis information bank"
- ✓ Freeing healthcare staff from routine work
no more printing, less phone calls
all the patients have access to same, up to date material in the sameplace
- ✓ Dashboards and patient listings
- ✓ Secured, safe communication channel with the patients
- ✓ Remote videovisits
- ✓ Better patient safety, lower risks



Virtual Hospital - Summary of the care pathways

without cumulative benefits



Comments

- The estimated benefits of the care pathways amount to 15.5 MEUR per annum in 2022.
- Functional ability pathway is planned to be in use in 2022. The estimated benefits are 8.9 MEUR p.a.
- Bariatric surgery and weight loss pathway is the second highest contributor with 4.1 MEUR savings per annum in 2022. This pathway also includes indirect benefits.
- The third highest contributor is home dialysis (1.6 MEUR p.a. in 2022) due to long duration, high repetition of check points, and expensive treatments.
- The other care pathways require high numbers of patients to generate substantial monetary savings.
- The break even point for these pathways is in the first year.
- Two variations of the obesity and home dialysis pathways are included in the financial analysis.
- The monetary benefits to society include the reduction of travel cost reimbursements and annual savings of about 500-1000 euros per patient due to weight loss (based on international health economics estimates). Indirect benefits such as absenteeism from work are not included.
- The investments include ICT implementation and annual running ICT expenses.
- The investments include estimated operational transformation costs, ICT implementation and annual running ICT expenses. It is assumed that all university hospital districts in Finland will roll out a number of new services during 2018 - 2022.



JÖRGEN GRÖHN

Digital Healthcare Lead

Innofactor

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Jörgen has a long career in developing and designing solutions for IT and telecommunication.

Currently, his focus is to enable all Swedish patients to have access to high-quality and engaging digital health care.



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LAURA MÄKITIE

Neurologist

Helsinki University Hospital

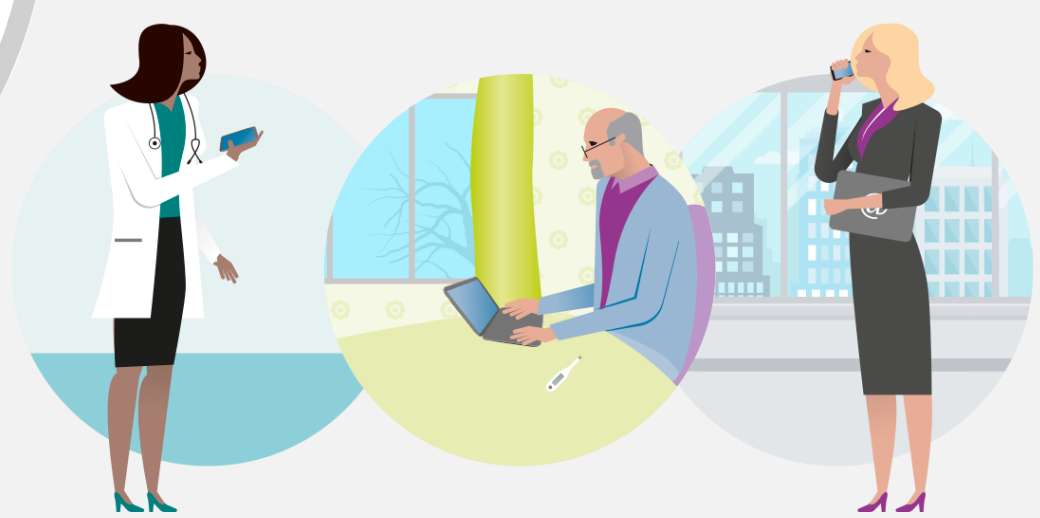
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Laura works as a consulting neurologist in outpatient clinic, in HUS.

From 2016, she has managed the designing and building of eHealth services for Neurocenter, HUS.



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Digital service

HEATHER – HEADACHE THERAPY

Laura Mäkitie, neurologist, HUS

HEATHER
IS
COACHING

THREE TYPES OF DIGITAL CARE PATHWAYS

1

Digital care paths
preparing for an
operation /
intervention

2

Digital care paths
for chronic
diseases

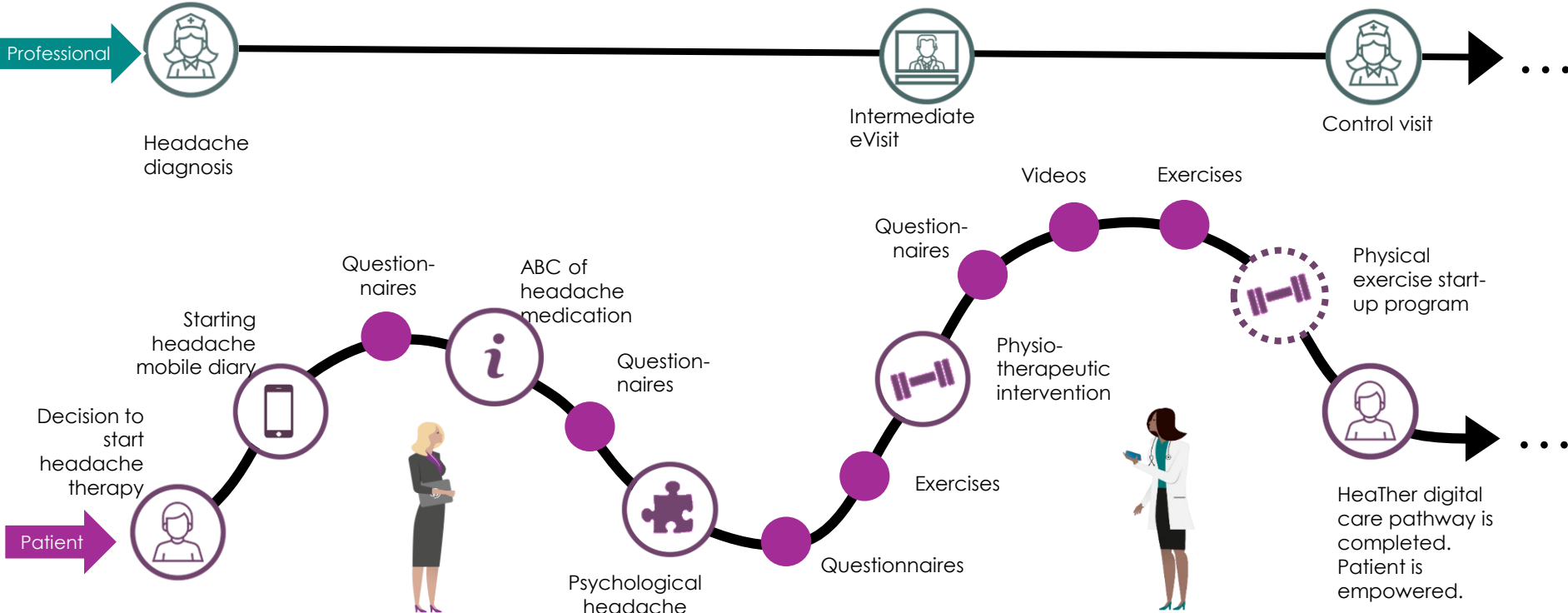
3

Coaching and web
therapy

Research opportunities
on all treatment paths

HEALTH VILLAGE

HeaTher – Digital Care Pathway of Headache Therapy



Patient follows the digital care path independently and contacts professional when needed

Professional stays tuned with the patient. Professional answers patient via digital care pathway message channel.



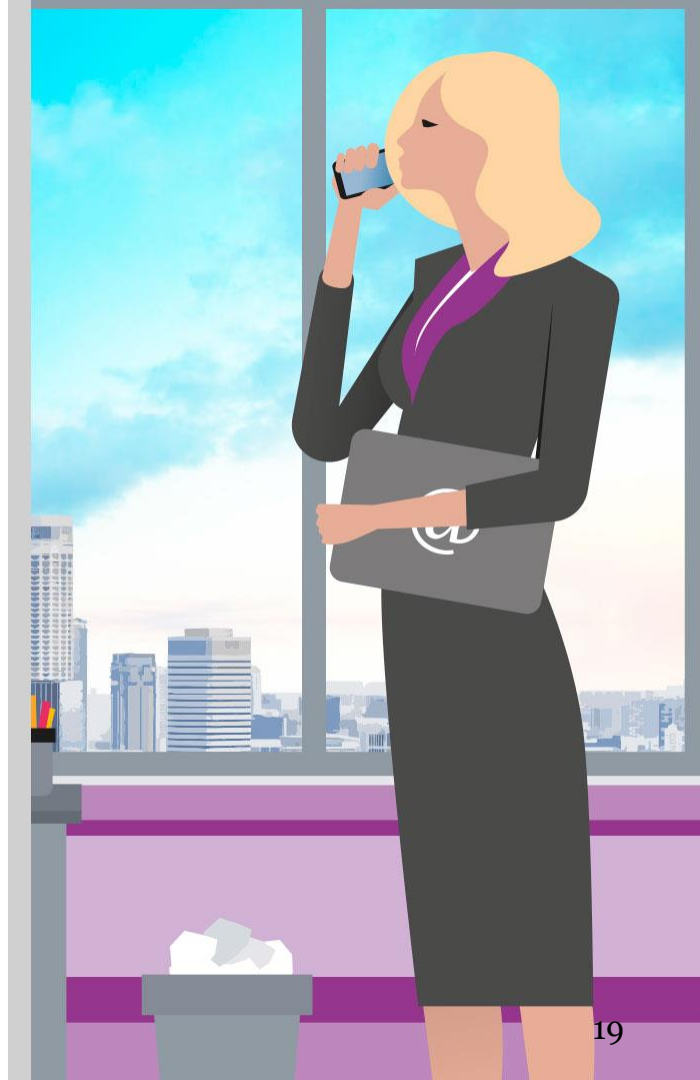
HEALTH VILLAGE

Deploy eHealth services which provide benefits for both patients, health care professionals and organization



BENEFITS FOR THE PATIENT

- ✓ Less headaches
- ✓ Holistic care of a patient
- ✓ Mobile headache diary
- ✓ Easy contact with a coaching nurse
- ✓ Tools for headache management
- ✓ Insight – Change - Empowerment for the future

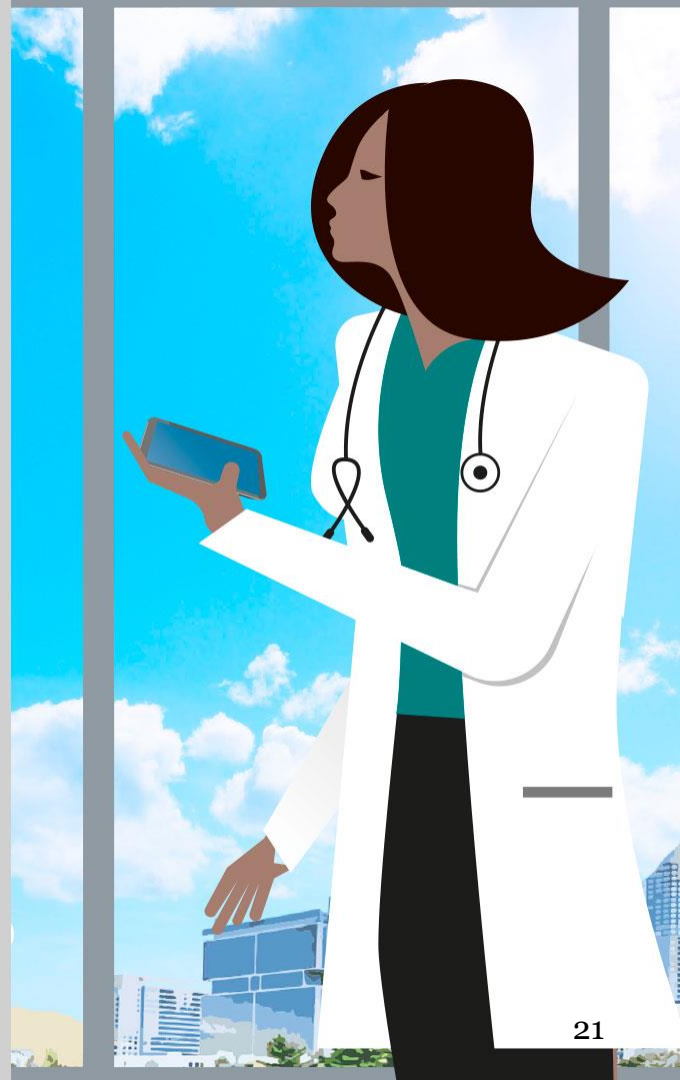


What if **more patients**
could be treated with
better quality in the **same**
amount of time as one?



BENEFITS FOR THE PROFESSIONAL

- ✓ Digital follow-up
- ✓ Interdisciplinary treatment
- ✓ Structured care path
- ✓ Individual information of the patients via questionnaires
- ✓ Patients taking more active role in the healing process



THANK YOU!

Interested in hearing more?

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