CHANGING NURSING ROLES AND COMPETENCIES IN VIRTUAL CARE CENTRES

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THE TECHMED EVENT

STAFFING CRISIS: TRANSITION TOWARDS SUSTAINABLE HEALTHCARE DELIVERY

Sickness absence among healthcare workers at highest level for 18 years

Shortage of Well-Qualified nurses looms in the Netherlands



/ Nursing is in crisis': Staff shortages put patients at risk

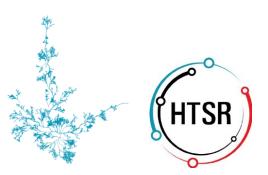


Waiting lists grow at academic hospitals as nurse shortages hite

SHORTAGE OF NURSES

- High workload
- Increased stress levels
- Bureaucracy
- Irregular working hours
- Insufficient wages

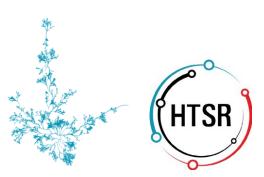




SUSTAINABLE HEALTHCARE DELIVERY

People-centred approach: having the **right number** of **healthcare professionals** with the **right skills**, in the **right place**, at the **right time**, to provide healthcare services to the right people

- Virtual care
- Personnel retention and empowerment
- Flexible deployment
- Optimal staffing



SUSTAINABLE HEALTHCARE DELIVERY

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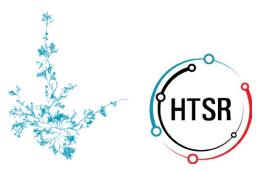
in the **right place**, at the **right time**, to provide healthcare services to the right people

• Virtual care: care provided over a distance using information and communication technology to enable interaction

between patients and healthcare professionals





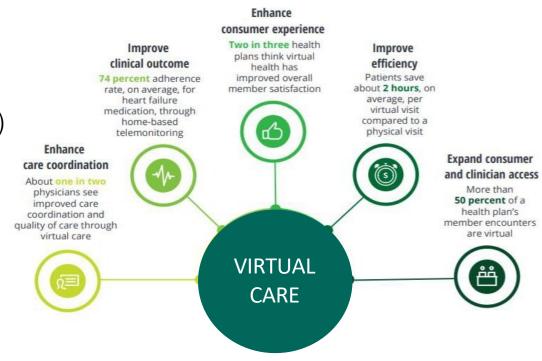






VIRTUAL CARE

- Evidence of (economic) benefits limited
 - Reduction of hospitalisations
 - Virtual care costs (e.g., video consultations, data interpretation)
- Implemented in various ways
- Trust from healthcare professionals and patients

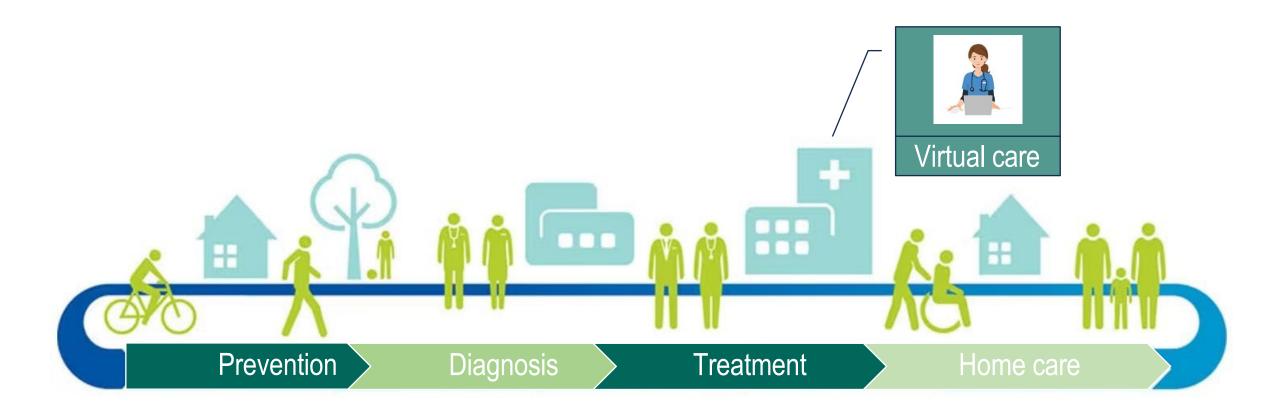


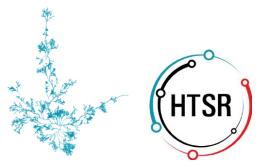




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VIRTUAL CARE CENTRES

- Delivering medical specialist care and support at home to patients
 - Telemonitoring (e.g., wearables, sensors)
 - Video consultations
 - Pre-visit planning
 - Advanced care at home







! CHANGING ROLES OF HEALTHCARE PROFESSIONALS!

- Educated to deliver in-person care vs. virtual remote care
- Specific care pathway vs. different care pathways





SUSTAINABLE HEALTHCARE

EXPERIENCES OF NURSES

Aim: explore virtual care nurses' experiences regarding working at a virtual care centre

Methods

Semi-structured interviews (April-May 2023) with virtual care nurses

AT A VIRTUAL CARE CENTRE

- mProve hospitals: Isala, Rijnstate, Albert Schweitzer, Jeroen Bosch
- Inductive thematic analysis











VIRTUAL CARE CENTRES

Hospital	Number of beds	Number of care pathways	Number of virtual care patients	Number of virtual care nurses
Isala	1206	12	146	5 (5)
Rijnstate	727	9	~60 per day	9 (4)
Albert Schweitzer	1045	8	1575	5 (1)
Jeroen Bosch	1120	29	1600	8 (3)





Master thesis A. Wegman (2023). Experiences of nurses working at a virtual care centre: barriers and facilitators associated with the use of telemonitoring



RESULTS

- 13 virtual care nurses, mean age 45 years
- Nursing profession for 24 years
- Virtual care nurse for 1.5 years

Themes virtual care nurses' experiences

- 1) Changing content of nursing profession
- 2) Required skills and knowledge
- 3) Patient-nurse relationship
- 4) Resources and technology







CHANGING CONTENT OF NURSING PROFESSION

Challenges	Positive experiences
Balance patient care and new tasks: - new care pathways - changing protocols	Care of more patients - more profound patient contact - early detection and prompt response
Rapidly expanding number of care pathways	Collaborative and supportive team - mutual learning and knowledge sharing
	Less physical demanding and improved working hours







REQUIRED NURSES' SKILLS AND KNOWLEDGE

Challenges	Positive experiences
Patient support - engaging patients - dealing with low digital skills	Reviewing monitoring data - identify trends and abnormalities - provide support with more info
Knowledge needed on various care pathways	Active listening during video calls







THE TECHMED EVENT

STAFFING CRISIS: TRANSITION TOWARDS SUSTAINABLE HEALTHCARE DELIVERY

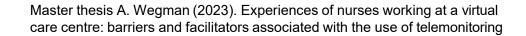




albert schweitzer



"The advantage is mainly that less staff is needed. I can see many more patients at the virtual care centre compared to the inpatient clinic, because then I had 6 patients, and now I sometimes have 30, which you can all do something for at one day. So, that is the biggest added value, that you need less staff."





TOWARDS SUSTAINABLE EMBEDDED VIRTUAL CARE

- Potential of virtual care delivery at virtual care centres
 - Reduced workload
 - More efficient resource allocation
 - Enhancing patients' recovery
- Support nurses in their changing roles within virtual care settings
 - Training (e.g., how to recognise low digital literacy)
 - Consider nurses' perspectives (e.g., focus groups)
- Understand how to sustainable embed virtual care (PhD project THT starters grant)
 - Organisation and management (e.g., leadership, legislation)
 - Technology (e.g., monitoring and support, Al)
 - Impact (e.g., workload, quality of care)





THANK YOU FOR YOUR ATTENTION

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