

Health Information Technology (HIT) Experiences of the person with Heart Failure who has been readmitted to the hospital within the previous six months: A Descriptive-Interpretive Phenomenological Mini-Study Pamela S. Kallmerten DNP, RN, CNL

PURPOSE

To describe the lived experience of using HIT by the person with HF who has been readmitted to the hospital within the previous six months.

Research Design

van Manen descriptive interpretive phenomenological methodology
Five Existentials

- Lived Time
- Lived Space
- Lived Body
- Lived Human Relations
- Lived Things and Technology

Van Manen, M. (2016). *Phenomenology of practice: Meaning-giving methods in phenomenological research and writing*. Routledge.

RECRUITMENT/SAMPLE

Recruitment/ Sample:

- A flyer was placed at the registration desk of the local senior and wellness center
- Participants were adult persons with heart failure who had been hospitalized within the previous six months (n=4).
- Inclusion Criteria:
 - Adult person with a medical diagnosis of HF
 - Acute Care readmission within the previous 6 months
- Exclusion Criteria:
 - Concurrent cognitive disability including dementia
 - Persons who do not speak English

METHODS

Data Collection

1. **Basic demographic information:**

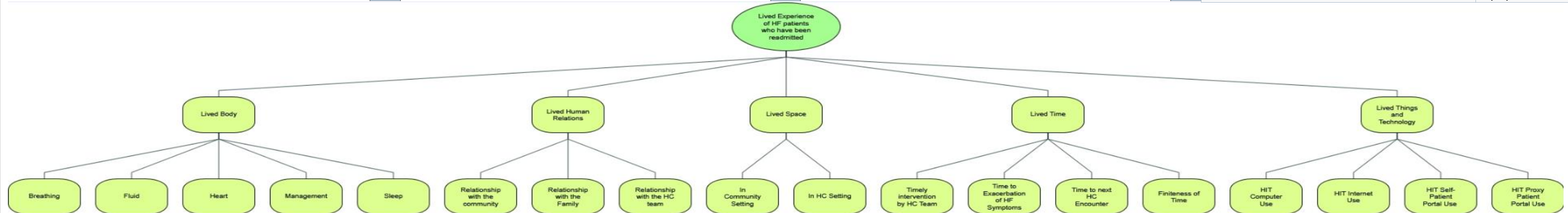
- Gender
- Age
- Race
- Educational background
- Type of technology Used
- Experience with using technology

2. **Sample questions:**

- Can you tell me about your experience leading up to your hospital readmission?
- Can you tell me about your experiences managing your condition?
- What is your experience with using health information technology such as the internet, smartphone applications (apps) or the patient portal to manage your health?

RESULTS

General Characteristics	(n=4) n(%)
Gender	
Male	2 (50)
Female	2 (50)
Age	
70-79	1 (25)
80-89	3 (75)
Race	
White/ Caucasian	4 (100)
Educational Background	
High School	1 (25)
Some College or Technical School	2 (50)
Bachelor Degree	1 (25)
Electronic Device Used (Select all that apply)	
None	1 (25)
Basic Cell Phone	1 (25)
Smartphone	2 (50)
Laptop	2 (50)
Kindle	1 (25)
Proficiency with electronic device use	
No proficiency	1 (25)
Basic proficiency	2 (50)
Proficient	1 (25)



BACKGROUND

Heart Failure (HF):

- A chronic condition affecting nearly 6 million adults
- 50% five year survival rate
- Economic burden of nearly \$31 billion annually

Effective self-management is necessary to:

- Improve clinical outcomes
- Reduce the cost of care
- Enhance the person's perception of their quality of life

Center for Disease Control (2016). Heart failure fact sheet. Retrieved July 11, 2018 https://www.cdc.gov/dhdspl/data_statistics/factsheets/fs_heart_failure.htm

ANALYSIS

van Manen 6 Steps of Data Analysis

- The nature of the lived experience
- Sources of the lived experience
- Essential themes
- Write/ rewrite during reflection
- Maintain a strong relation through personal experiences caring for persons with HF
- Reflection for description and interpretation considering parts and holistically

Field notes, transcripts and mp3 recordings were analyzed using the Computer Assisted Qualitative Data Analysis Software (CAQDAS) NVIVO 12®

CONCLUSIONS

Three initial elements in the overall gestalt:

- Care Partnership**
 - Dyadic Theory**
 - "Uh, you might have to ask my wife something."
 - "And talking with my daughter, who's a nurse"
 - A Sense of Loss**
 - Loss of normal activities of daily living (diet, exercise, social interaction, etc.)
 - "I sleep in an aw, in an awful chair like this. I just couldn't make the night in a bed."
 - "Uh, I got so discouraged from not being able to do, you know, what I just wanted to do..."
 - Opportunities to optimize the use of HIT**
 - Patient Portal Proxy Use**
 - "Jimmy may like to have that information."
 - Educational Activities to Support Use**
 - "I got the flier and, uh, that's something that I, I want to do and I'm interested in doing ... if I don't have good luck she'll help me with it."
 - IT support to support use including troubleshooting**
 - "...I think I messed it up."
 - "I gave up on that. Every time I go to use it, I put in my password. It won't accept it. Last time I said to heck with it."

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