



Evaluation of Medicine and Health (EVALMEDHELSE) 2023-2024

Self-assessment for research groups

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Institution (name and short name): Stavanger University Hospital (SUH)
Administrative unit (name and short name): Stavanger University Hospital (SUH)
Research group (name and short name): Research group for Nursing and Health Care Sciences (Nursing and Health Care)
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1. Organisation and strategy

1.1 Research group's organisation

Describe the establishment and the development of the research group, including its leadership (e.g. centralised or distributed etc.), researcher roles (e.g. technical staff, PhD, post docs, junior positions, senior positions or other researcher positions), the group's role in researcher training, mobility and how research is organised (e.g. core funding organisation versus project based organisation etc.).

The Research Group for Nursing and Health Care Science was established in 2019 as an extension of a pre-existing research forum that had been operating as a collective for nursing and healthcare scientists since before 2012. In 2019, the group sought formal recognition as a research entity within the hospital. The group is under the leadership of Professor Kirsten Lode, who holds a full-time position at the hospital and a part-time position at the university. Having completed her PhD in 2010, Professor Lode has dedicated her research efforts to the facilitation and coordination of nurses and other healthcare professionals in conducting clinical research within the hospital setting. The group comprises 30 members, including 9 professors, 13 associate professors, and 9 doctoral students. The majority of the members, including the professors, hold positions at the university ranging from 20% to 100%.

The establishment of the The Research Group for Nursing and Health Care Science was driven by the objective of advancing and revitalizing the field of nursing and healthcare science within the hospital. This initiative was founded on the acknowledgment of the imperative need for nurses and healthcare researchers to have a specialized network and community for engaging in discussions on various themes and methodologies pertinent to these disciplines. The group's research focus extends beyond conventional medical boundaries, encompassing topics such as trust, communication, and hygiene. In support of nursing and healthcare science, the hospital has allocated funding for three 50% positions for doctoral students and four 20% positions for senior researchers, all of whom are active members of the research group. The group is situated within the hospital's research department and is accountable to the research director. Additionally, several members are concurrently engaged in other research groups within the hospital and the university.

The Research Group for Nursing and Health Care Science is solely financed through the provision of positions for doctoral candidates and senior researchers. Nonetheless, the group's members are engaged in various projects bolstered by external funding sourced from the Research Council of Norway, the European Union, and the Western Norway Regional Health Authority. Additionally, group members actively share information regarding opportunities for funding, conferences, and other pertinent forums for professional engagement.

Table 1. List of number of personnel by categories

Instructions: Please provide number of your personnel by categories.

Please add new lines or delete lines which are not in use.

For institutions in the higher education sector, please use the categories used in DBH,

<https://dbh.hkdir.no/datainnhold/kodeverk/stillingskoder>.

	Position by category	No. of researcher per category	Share of women per category (%)	No. of researchers who are part of multiple (other)	No. of temporary positions

				research groups at the admin unit	
No. of Personnel by position	Position Nurses	22			
	Position physiotherapist	2			
	Position nutritionist	1			
	Position Pharmacist	1			
	Position Theologian	2			
	Position Chiropractor	1			
	Position Sport Psychologist	1			
	Positions at the universities				
	Position Professor	9	100%	9	8
	Position B Associated professor	13	85%	13	5
	Position C Doctoral student	9	89%	9	6

1.2 Research group's strategy

a) Describe the research group's main goals, objectives and strategies to obtain these (e.g. funding, plans for recruitment, internationalization etc.) within the period 2012-2022.

The primary objectives of The Research Group for Nursing and Health Care Science encompass the generation of novel clinical insights into the following areas:

- The subjective experiences of care and the ramifications of disease and treatment
- The evolution, organization, and leadership of healthcare services
- The perceptions and experiences of patients, their families, and healthcare professionals regarding healthcare services

These goals are aimed at ensuring the provision of healthcare services of the highest quality and at informing clinicians and decision-makers about best practices.

An additional significant aim is to foster and enhance the field of nursing and healthcare science within the hospital.

To obtain these objectives, members of the group have sought funding to investigate these phenomena, to recruit doctoral candidates, and to facilitate collaboration both nationally and

internationally. We are committed to training researchers and doctoral students in research methodologies that enhance the quality of data collected.

b) Please describe the benchmark of the research group. The benchmark for the research group should be written by the administrative unit in collaboration with the research group. The benchmark can be a reference to an academic level of performance (national or international) or to the group's contributions to other institutional or sectoral purposes.

The administrative unit has established specific criteria to serve as benchmarks for the research groups, which include the following:

1. Advancement of Clinical Research: The research group convenes four times annually to deliberate ongoing projects, facilitate networking opportunities, and promote initiatives in the realm of clinical research. Members of the group will continue to apply for funding from NFR and EU to finance clinical research.

2. Academic Engagement: The group consists of doctoral students and postdoctoral researchers specializing in nursing and healthcare sciences. Furthermore, it encompasses nine professors in nursing sciences who actively fulfil teaching responsibilities at the hospital, university, and university college, spanning Bachelor of Science, Master of Science, and Doctor of Philosophy programs. The research group will have 3-5 doctoral students and graduate one Phd student every second year. The group will enhance the number of professors in nursing and health care science with a part time position in the hospital.

3. Publication Quality and Quantity: The research group is dedicated to upholding a strong publication record in reputable scientific journals, aligning with the hospital's overarching publication objectives and publish 5-10 articles yearly.

c) Describe the research group's contribution to education (master's degree and/or PhD).

As a significant number of members within The Research Group for Nursing and Health Care Science hold positions at the University, they actively contribute to the educational programs at the University of Stavanger and VID University College across Bachelor of Science, Master of Science, and Doctor of Philosophy levels.

Additionally, several group members provide instruction on research methodology and other clinically relevant subjects within the hospital, thereby enhancing knowledge-based practice. Moreover, the group offers supervision for doctoral candidates. It hosts a qualitative research forum four times annually, serving as a platform for in-depth discussions on qualitative research methodology. Furthermore, the group conducts workshops on crafting review articles and developing research plans.

d) The administrative unit provides crucial infrastructure support to The Research Group for Nursing and Health Care Science including the following provisions:

1. Provision of Essential Equipment and Workspace: Doctoral students and part-time researchers are furnished with a hospital computer and granted access to secure storage for research data. Additionally, they are allocated a workspace within the research department.

2. **Statistical and Practical Guidance:** Access to statistical guidance and practical assistance is available, including support in navigating various applications for study approval and funding applications.

3. **Software Support:** Researchers are eligible to install statistical programs (such as SPSS, R), EndNote, and NVivo at no cost. Furthermore, they have the opportunity to have their projects evaluated by the hospital's data protection officer.

4. **Library Services and Access to Research Databases:** The research groups are provided with library services, access to journal databases, and support for open access publishing.

5. **Budgetary Support:** Assistance is extended to the research groups in preparing and submitting applications for funding.

1.3 Relevance to the institutions

Describe the role of the research group within the administrative unit. Consider the research group's contribution towards the institutional strategies and objectives, and relate the research group's benchmark to these.

The Research Group for Nursing and Health Care Science operates under the administrative purview of the hospital's research department, which oversees research coordination. The primary objectives of the research group are aligned with the institution's overarching research goals, focusing on establishing a robust research collective, enhancing clinical research and practice, securing additional funding to bolster research infrastructure and operations, and fostering increased international research collaboration. While funding and international collaboration are areas of strength within the research group members, concerted efforts are being made to address these aspects collectively. Furthermore, the group has effectively integrated its research endeavors across various departments and sections within the hospital, fostering interdisciplinary collaboration and knowledge dissemination. Given the diverse disciplinary and departmental affiliations of its members, integration stands as a pivotal element in the group's modus operandi. The research group places particular emphasis on addressing research pertinent to healthcare challenges and service requirements, as delineated in its stated aims. The assessment of progress towards these objectives is guided by specific benchmarks outlined in section 1.2b.

1.4 Research group's resources

Describe the funding portfolio of the research group for the last five years (2018-2022).

The Research Group for Nursing and Health Care Science receives foundational funding from the hospital, allocated to support three 50% positions for doctoral students and four 20% positions for senior researchers, as part of the hospital's commitment to investing in nursing and healthcare research. Additionally, members of the research group secured 75,000 NOK in funding from The Regional Health Authorities in both 2020 and 2021.

Table 2. Describe the sources of R&D funding for the research group in the period 2018-2022.

	2018 (NOK)	2019 (NOK)	2020 (NOK)	2021 (NOK)	2022 (NOK)
Basic funding		2,5 mill	2,5 mill	2,5 mill	2,5 mill
Funding from industry and other private sector sources					

Commissioned research for public sector					
Research Council of Norway					
Grant funding from other national Sources			75000	75000	
International funding e.g. NIH, NSF, EU framework programmes					
Other					

1.5 Research group's infrastructures

Research infrastructures are facilities that provide resources and services for the research communities to conduct research and foster innovation in their fields. [These](#) include major equipment or sets of instruments, knowledge-related facilities such as collections, archives or scientific data infrastructures, computing systems communication networks. Include both internal and external infrastructures.

a) Describe which national infrastructures the research group manages or co-manages.

The research group does not oversee any infrastructural resources beyond the standard allocations typically provided to research groups within the hospital setting.

b) Describe the most important research infrastructures used by the research group.

The research group obtains approval for all its projects by documenting them in the hospital's data system, eProtokoll. Furthermore, group members utilize REK, Sikt, and the hospital's data protection officer to evaluate their projects.

1.6 Research group's cooperations

Table 3. Reflect on the current interactions of the research group with other disciplines, non-academic stakeholders and the potential importance of these for the research (e.g. informing research questions, access to competence, data and infrastructure, broadening the perspectives, short/long-term relations).

Interdisciplinary (within and beyond the group)	The research group embodies an interdisciplinary composition, encompassing professionals from diverse fields including nursing, physiotherapy, nutrition, social work, and theology. This interdisciplinary approach cultivates a wide-ranging expertise in critical thinking, particularly in relation to new projects of interest. Furthermore, the group actively collaborates with the Stavanger municipality, promoting a comprehensive approach to its research activities. This collaboration results in research projects that aim to diminish the barriers between hospital and community healthcare.
Collaboration with other research sectors e.g. higher education, research institutes, health trusts and industry.	The members of the research group engage in collaborative partnerships with esteemed academic institutions such as the University of Stavanger, University of Bergen, VID Specialized University College, and University College of Western Norway resulting in research cooperation and publications. In addition to this, the group nurtures collaborative relationships with Aalborg University and University Hospital. We are in the process of

	planning research projects and publications that focus on the study of nursing practice.
<p><u>Transdisciplinary</u> (including non academic stakeholders) <i>Transdisciplinary research involves the integration of knowledge from different science disciplines and (non-academic) stakeholder communities with the aim to help address complex societal challenges.</i></p>	<p>The members of the research group collaborate with user representatives from The National Association for Heart and Lung Diseases (LHL) and NORILCO, fostering partnerships aimed at advancing research and user initiatives related to heart and lung diseases and colorectal cancer.</p>

2. Research quality

2.1 Research group’s scientific quality

Research areas

Describe the research profile of the research group and the activities that contribute to the research group’s scientific quality. Consider how the research group’s work contributes to the wider research within the research group’s field nationally and internationally.

The Research Group for Nursing and Health Care Science exhibits an interdisciplinary nature and encompasses a diverse array of expertise in both theoretical and methodological approaches. The research projects undertaken often transcend specific diagnoses and clinical domains, offering significant relevance to various facets of healthcare services. For instance, the projects delve into the experiences of patients and their families concerning trust, uncertainty in illness, meaning-making, coping mechanisms, as well as feelings of guilt and shame.

Furthermore, the group conducts research on patient safety and addresses broader public health issues such as mental health and the consequences of living with chronic illnesses.

The findings from these studies hold relevance for clinical practice, healthcare professionals, and educational initiatives. They are poised to contribute to the enhancement and refinement of the organization and delivery of nursing and other healthcare services, including physiotherapy, nutrition, and pharmacy.

Research education The research group has overseen the supervision and education of doctoral students employed by the hospital, occupying 3x50% positions. All students have successfully completed their Ph.D. within the expected timeframe, averaging approximately one graduate per year.

Publications The list of publications addressed to the research group and/or the hospital entails approx 100 publications and represents a variety of themes and methodology.

Please add a link to the research group’s website:

[The Research Group for Nursing- And Healthcare Science \(helse-stavanger.no\)](https://www.helse-stavanger.no)

Table 4. List of projects

Instructions: Please select 5-10 projects you consider to be representative/the best of the work in the period 1 January 2012 – 31 December 2022. The list may include projects lead by other institutions nationally or internationally. Please delete tables that are not used.

Project 1: Caring Futures (2021-2024)	Project owner(s) (project leaders organisation)	University of Stavanger PL Marta Lavik
	Total budget and share allocated to research group	The Research Council of Norway PL Marta Lavik
	Objectives and outcomes (planned or actual) and link to website	Developing Care Ethics for Technology-Mediated Care Practices”. <u>Role</u> : Responsible for developing an educational package (with podcasts) to encourage ethical reflection in midwifery education concerning an increasingly technology-mediated care practice (under work package) Caring Futures: Developing Care Ethics for Technology-Mediated Care Practices University of Stavanger (uis.no)
Project 2: MULTICARE	Project owner(s) (project leaders organisation)	Centre for Care Research, West/Western Norway University of Applied Sciences. PL Marta Lavik
	Total budget and share allocated to research group	The Research Council of Norway (through HELSEVEL. Grant number: 256617)
	Objectives and outcomes (planned or actual) and link to website	“MULTICARE: Multicultural staff in Nursing Homes: Contemporary challenges, opportunities and the potential for the future”. <u>Role</u> : Researcher, and supervisor for PhD student in work package 4. MultiCare - NTNU
Project 3: Malnutrition in Parkinson’s disease; a 9-year population-based study 2022- ongoing	Project owner(s) (project leaders organisation)	Stavanger University hospital (SUS)
	Total budget and share allocated to research group	50% phd over six years, annual salary of 672500 NOK a year.

	Objectives and outcomes (planned or actual) and link to website	Objectives and goals: The primary objective of the present project is to identify frequency, risk factors and consequences for weight loss and malnutrition in a population-representative cohort of patients with PD during the first 9 years since diagnosis, and thus enable individualized preventive strategies. The specific goals are to determine: 1. Prevalence and severity of WL and malnutrition amongst patients with PD compared to age- and gender-matched controls. 2. Risk factors for WL in PS including age, gender, disease severity, cognitive- and motor- impairment, medication, dyskinesia, and difficulties in swallowing and smelling: a) Long-term WL (10% loss in body mass throughout the 9-year study period). b) Short-term WL (severe) (10% loss in body mass within 2 years). 3. The frequency of vitamin and mineral deficiencies, and their longitudinal relationship to WL in patients with PD. a) Vitamins: E, D, B12, and folate. b) Minerals: Calcium, magnesium, iron, sodium, potassium, phosphorus. c) Transport-proteins: Ferritin, transferrin, homocysteine. 4. Consequences of nutrition deficiencies in relation to quality of life, disease progression and survival.
Project 4: Nurses' attitudes and self-efficacy towards infection prevention and antibiotic stewardship before and during the COVID-19-pandemic	Project owner(s) (project leaders organisation)	Stavanger University Hospital Marte Tangeraas Hansen/Anne Marie Lunde Husebø
	Total budget and share allocated to research group	336250 NOK
	Objectives and outcomes (planned or actual) and link to website	The overall objective of this project is to study nurses' attitudes and self-efficacy towards infection prevention and antibiotic stewardship before and during the COVID-19-pandemic. Comprising two phases, the projects objectives and research questions are presented: Phase 1: Exploring attitudes and self-efficacy of nurses in clinical practice while caring for patients with multidrug resistant bacteria before a pandemic. Phase 2: Longitudinal observation of nurses' attitudes and self-efficacy when caring for patients with multidrug resistant bacteria during a pandemic.
Project 5:	Project owner(s) (project leaders organisation)	University of Stavanger/Stavanger University Hospital

Developed and evaluated a treatment program for binge eating problems at a district psychiatric centre in Southwest Norway. (2015-2020)		Project leader Kristine Rørtveit, UiS/SUS Prosjektperiode år 2015-2020
	Total budget and share allocated to research group	No budget
	Objectives and outcomes (planned or actual) and link to website	<p>The project developed and evaluated a treatment program for binge eating problems at a district psychiatric centre in Southwest Norway.</p> <p>The overall aim of the study: to gain a deeper understanding of the mechanisms behind bingeing in people who sought treatment for binge eating or psychological treatment for obesity.</p> <p>The following objectives for the sub-studies was formulated:</p> <ul style="list-style-type: none"> • To describe and systematize existing literature on experiences with treatment related to binge eating disorder and obesity • To develop and evaluate a program for patients seeking psychological help related to binge eating • To explore and describe in-depth experiences of the therapeutic writing process in people participating in a binge eating treatment program • To investigate affect consciousness in people who participate in group therapy • To investigate patients' perceptions of working with affect awareness therapy, therapeutic writing and the importance of such treatment for binge eating <p>Project #2042072 - Talking about binge eating - a qualitative explorative study (crstin.no)</p>
Project 6:	Project owner(s) (project leaders organisation)	Stavanger University Hospital. Project leader Ingvild Margreta Morken, Stavanger University Hospital, University of Stavanger

Atrial Fibrillation Quality of Life and Clinical/Psychological Markers for AF Recurrence after Electric Cardioversion (A-FIB LIFE) (2017- 2021).	Total budget and share allocated to research group	70.000 NOK from Stavanger University Hospital
	Objectives and outcomes (planned or actual) and link to website	<p>The study aims to achieve the following objectives:</p> <ol style="list-style-type: none"> 1. To assess the changes in atrial fibrillation (AF)-specific quality of life (QoL) and symptoms of anxiety and depression in patients with sinus rhythm and patients with persistent AF at three and 12 months after electrical cardioversion (ECV) 2. To assess the potential of clinical and psychological variables in predicting the recurrence of AF 3. To investigate the correlation between clinical variables and patient-reported outcomes, shedding light on the impact of AF on patients' daily lives 4. To explore the relationship between personality factors, anxiety/depression, and medication adherence in the context of AF management <p>Health promotion for people with health challenges University of Stavanger (uis.no)</p>
Project 7: Burden of treatment among patients with colorectal cancer (2017-2019)	Project owner(s) (project leaders organisation)	University of Stavanger/Stavanger University Hospital PM: Anne Marie Lunde Husebø
	Total budget and share allocated to research group	Financed by Western Health Region (2,6 million NOK)
	Objectives and outcomes (planned or actual) and link to website	<p>The project studied treatment burden and quality of life among patients treated for curative colorectal cancer (CRC). Treatment burden is understood as the work effort that patients and their network put into following up health-related tasks delegated to them by healthcare personnel. The patient's involvement will presumably affect the perceived burden of treatment and quality of life. The project's three sub-studies resulted in five scientific papers reporting on aspects of treatment burden and quality of life in patients with curative CRC. Factors influencing treatment burden in colorectal cancer patients undergoing curative surgery: A cross-sectional study (unit.no)</p>

<p>Project 8:</p> <p>Nurse Assisted eHealth Service from Hospital to Home: Ameliorating Burden of Treatment among Patients with Non-Communicable Diseases. (2020-2024)</p>	<p>Project owner(s) (project leaders organisation)</p>	<p>University of Stavanger PM: Anne Marie Lunde Husebø</p>
	<p>Total budget and share allocated to research group</p>	<p>Financed by The Norwegian Research Council (12 million)</p>
	<p>Objectives and outcomes (planned or actual) and link to website</p>	<p>In the project, a digital health service for chronically ill patients with heart failure and colorectal cancer will be developed, and new forms of interaction between patients and health personnel will be tested. The aim is to strengthen health-promoting competence and coping skills of the patients. At the heart of the project are new digital tools and forms of interaction for patients and healthcare professionals. The eHealth solution will be tested in treatment pathways at the critical stage following hospital discharge to home in a RCT. Together with the health care service (hospitals, general practitioners), patient representatives will assist in the design of the digital service. The project will also try out forms of collaboration where nurses actively use digital tools to make work easier, treatment better and, above all, avoid unnecessary re-admissions. eHealth @ Hospital-2-Home University of Stavanger (uis.no)</p>
<p>Project 9:</p> <p>The Meaning of Shared Decision-Making in Mental Care – A Hermeneutical Study (2015-2020)</p>	<p>Project owner(s) (project leaders organisation)</p>	<p>Lise Beyene, UiS/SUS Projektperiod 2015-2020</p>
	<p>Total budget and share allocated to research group</p>	<p>50% position as doctoral student</p>
	<p>Objectives and outcomes (planned or actual) and link to website</p>	<p>The project aimed to, and developed a deeper understanding of the meaning of shared decision-making for patients and staff at a district psychiatric centre in Southwest Norway. Results described experiences of shared decision-making through in-depth interviews with patients and focus group interviews with staff.</p>

		The sub-studies described (1) patients' participation in shared decision-making in the context of being admitted to mental health care; (2) mental health professionals' experiences of shared decision-making in a therapeutic environment; (3) interpretation of the meaning of shared decision-making in mental health care, from the perspective of patients and staff
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Table 5. Research group's contribution to publications

Instructions: Please select 5-15 publications from the last 5 years (2018-2022) with emphasis on recent publications where group members have a significant role. **If the publication is not openly available, it should be submitted as a pdf file attached to the self-assessment.** We invite you to refer to the Contributor Roles Taxonomy in your description: <https://credit.niso.org/>.

Cf. Table 1. List of personell by categories: Research groups up to 15 group members: 5 publications. Research groups up to 30 group members: 10 publications. Research groups above 30 group members: 15 publications.

Publication 1: Title: Point-of-care examinations using handheld ultrasound devices performed by intensive care nurses in a cardiac intensive care unit. Journal: European Journal of Cardiovascular Nursing. Year: 2022 DOI: https://doi.org/10.1093/eurjcn/zvac089 URL: https://academic.oup.com/eurjcn/article-abstract/22/5/482/6712597?redirectedFrom=fulltext	Authors (Please highlight group members)	Laastad Sørensen, M., Oterhals, K., Pönitz, V., & Morken, I. M. (2022)
	Short description	Briefly trained intensive care nurses in a CICU can perform POCUS examinations of the IVC and pleural and pericardial cavities with moderate to almost perfect agreement with identical examinations performed by physicians.
	Research group's contribution	Member of the group has facilitated data collection, analysis and publication. A clinical relevant project in the hospital.
Publication 2: Title: The function of ritualized acts of memory making after death in the neonatal intensive care unit", Religions 12(12), 1046, Journal: Open access Year: 2021 DOI: https://doi.org/10.3390/rel12121046	Authors (Please highlight group members)	Værland, Inger Emilie , Johansen, Anne Beth Gilja, Lavik, Marta Høyland ,
	Short description	Through the ritualized acts of making scrapbooks and boxes, nurses and members of the parent support group collect and create memories and ascribe

<p>URL: https://www.mdpi.com/2077-1444/12/12/1046</p>		<p>the infant with personhood, and the parents with the status of parenthood. In addition, the ritualizing functions to construct meaning, repair loss, relieve sorrow, and offer a sense of closure for the makers of these items.</p>
	<p>Research group's contribution</p>	<p>Members of the group organized access to data, data collection, analysis and publication. The project was presented and discussed in the group.</p>
<p>Publication 3: Title: Qualitative evaluation in nursing interventions — A review of the literature Journal: Nursing open Year: 2020 DOI: 10.1002/nop2.519 URL: https://onlinelibrary.wiley.com/doi/10.1002/nop2.519</p>	<p>Authors (Please highlight group members)</p>	<p>Rørtveit, Kristine; Hansen, Britt Sætre; Joa, Inge; Lode, Kirsten; Severinsson, Ingeborg Elisabeth.</p>
	<p>Short description</p>	<p>Different qualitative evaluation methods in nursing are a way of documenting knowledge that is difficult to illuminate in natural settings and make an important contribution when determining the pros and cons of an intervention.</p>
	<p>Research group's contribution</p>	<p>Five members of the group formed an internal group to write the review and worked together through the whole process. The project was discussed in the research group</p>
<p>Publication 4: Title: Men's perception of information and psychological distress in the diagnostic phase of prostate cancer: a comparative mixedmethods study. Journal: BMC Nursing Year: 2022</p>	<p>Authors (Please highlight group members)</p>	<p>Søndergaard MEJ, Lode K, Husebø SE, Dalen I & Kjosavik SR (2022)</p>
	<p>Short description</p>	<p>The Stockholm3 test may facilitate the provision of information to patients. However, some patients in both groups</p>

<p>DOI: 10.1186/s12912-022-01047-1 URL: https://doi.org/10.1186/s12912-022-01047-1</p>		<p>experienced distress and would benefit from more information and additional support from healthcare professionals. Routines that ensure sufficient information from the interdisciplinary healthcare team should be of priority during the diagnostic phase of prostate cancer in order to provide patients with predictability and to avoid unnecessary distress.</p>
	<p>Research group's contribution</p>	<p>First author is a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.</p>
<p>Publication 5: Title: Exploring variables affecting sense of coherence and social support in recovery after colorectal cancer surgery among the oldest old. Journal: Geriatric nursing Year: 2022 DOI: 10.1016/j.gerinurse.2022.06.008 URL: https://www.sciencedirect.com/science/article/pii/S0197457222001483?via%3Dihub</p>	<p>Authors (Please highlight group members)</p>	<p>Eriksen KS, Lode K, Husebø SE, Kørner H (2022)</p>
	<p>Short description</p>	<p>The results are important for healthcare professionals to consider when dealing with older people who underwent surgery for colorectal cancer, especially in the discharge process to facilitate optimal follow-up care and recovery.</p>
	<p>Research group's contribution</p>	<p>First author was a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.</p>

<p>Publication 6: Title: Being in a space of sharing decision- making for dignified mental care. Journal: Psychiatric and mental health nursing Year:2019 DOI: https://doi.org/10.1111/jpm.12548 URL: https://onlinelibrary.wiley.com/doi/10.1111/jpm.12548</p>	<p>Authors (Please highlight group members)</p>	<p>Beyene L, Severinsson E, Hansen BS, Rørtveit K</p>
	<p>Short description</p>	<p>The overall theme being in a space of sharing decision-making for dignified mental care was described by the three themes engaging in a mental room of values and knowledge, relating in a process of awareness and comprehension and responding anchored in acknowledgement.</p>
	<p>Research group's contribution</p>	<p>First author was a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.</p>
<p>Publication 7: Title: Therapeutic writing in a programme for binge eating disorder—A tool to come closer to clarifying feelings. Journal: Caring Sciences Year: 2022 DOI: https://doi.org/10.1111/scs.13095 URL: https://onlinelibrary.wiley.com/doi/10.1111/scs.13095</p>	<p>Authors (Please highlight group members)</p>	<p>Oftedal, Eileen; Ueland, Venke Irene; Rørtveit, Kristine</p>
	<p>Short description</p>	<p>Therapeutic writing offered in treatment for BED involves individual movements at different levels, including processes of awareness of feelings, cognitions and oneself as a human being.</p>
	<p>Research group's contribution</p>	<p>First author is a doctoral student in the group and has presented the study in the research group. Main supervisor is a member of the group and has supervised datacollection, analysis and publication.</p>

<p>Publication 8: Title: Health promotion intervention for people with early-stage dementia: a quasi-experimental study. Journal: Brain and behaviour Year: 2020 DOI: 10.1002/brb3.1888 URL: https://onlinelibrary.wiley.com/doi/10.1002/brb3.1888</p>	<p>Authors (Please highlight group members)</p>	<p>Testad I, Kajander M, Gjesten MT, Dalen I.</p>
	<p>Short description</p>	<p>This study demonstrates promising results with regard to the benefit of attending a 12-week health promotion intervention in promoting health and well-being in people with early-stage dementia. With the majority of participants with early-stage dementia living at home without any healthcare services in a vulnerable stage of the condition, this study makes an important contribution to highlighting the need for, and benefit of, educational approaches for this population.</p>
	<p>Research group's contribution</p>	<p>First author is member of the research group</p>
<p>Publication 9: Title: Existential challenges due to severe pre-eclampsia when becoming parents. Journal: Midwifery Year: 2021 DOI: 10.1016/j.midw.2021.102967 URL: https://www.sciencedirect.com/science/article/abs/pii/S0266613821000462?via%3Dihub</p>	<p>Authors (Please highlight group members)</p>	<p>Værland, I. E. (2021a)</p>
	<p>Short description</p>	<p>Some parents experienced closeness to death and the beginning of life as almost intertwined. These two fundamental facets of life are connected to existential features and challenges. The study also underlined the antinomies of life; suffering and facing severe illness that could cost both the mother's and infant's lives, and at the same time feeling the happiness of becoming parents.</p>

	Research group's contribution	The author is a member of the research group and the project has been discussed in the research group.
<p>Publication 10: Title: Assessing a nurse-assisted eHealth intervention posthospital discharge in adult patients with non-communicable diseases: a protocol for a feasibility study. Journal: BMJ Open Year: 2023 DOI: 10.1136/bmjopen-2022-069599 URL: https://bmjopen.bmj.com/content/13/8/e069599</p>	Authors (Please highlight group members)	Morken, I. M., Wathne, H. B., Karlsen, B., Storm, M., Nordfonn, O. K., Gjeilo, K. H., ... & Husebø, A. M. (2023)
	Short description	A growing number of patients with noncommunicable diseases (NCDs), such as heart failure (HF) and colorectal cancer (CRC), are prone to comorbidity, a high rate of readmissions and complex healthcare needs. An eHealth intervention, however, could potentially ameliorate the increasing burdens associated with NCDs by helping to smoothen patient transition from hospital to home and by reducing the number of readmissions. This feasibility study therefore aims to assess the feasibility of a nurse-assisted eHealth intervention posthospital discharge among patients with HF and CRC, while also examining the preliminary clinical and behavioural outcomes of the intervention before initiating a full-scale randomised controlled trial.
	Research group's contribution	Second author is a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.

<p>Publication 11: Title: Patients' experience with heart failure treatment and self-care-a qualitative study exploring the burden of treatment. Journal: Journal of clinical nursing Year: 2019 DOI: https://doi.org/10.1111/jocn.14799 URL: https://onlinelibrary.wiley.com/doi/10.1111/jocn.14799</p>	<p>Authors (Please highlight group members)</p>	<p>Nordfonn, O. K., Morken, I. M., Bru, E. L., & Husebø, A. M. L. (2019).</p>
	<p>Short description</p>	<p>Heart failure treatment constitutes challenges related both to self-care and to emotional burden. The latter not previously clearly articulated in the concept of burden of treatment. Many patients are struggling emotionally, and this affects their self-care ability in addition to affecting their well-being and quality of life.</p>
	<p>Research group's contribution</p>	<p>First author was a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.</p>
<p>Publication 12: Title: Designing a Future eHealth Service for Posthospitalization Self-management Support in Long-term Illness: Qualitative Interview Study. Journal: JMIR Publications Year: 2022 DOI: 10.2196/39391 URL: https://humanfactors.jmir.org/2023/1/e39391</p>	<p>Authors (Please highlight group members)</p>	<p>Wathne, H., Morken, I. M., Storm, M., & Husebø, A. M. L. (2023).</p>
	<p>Short description</p>	<p>This study is the first step in the development of an eHealth service for posthospitalization self-management support for long-term illnesses. It concerns patients' supportive care needs and user requirements of an eHealth service. The findings of this study may add value to the planning and development of eHealth interventions for patients with NCDs.</p>

	Research group's contribution	First author is a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have supervised datacollection, analysis and publication.
Publication 13: Title: An exploratory study of the experiences of being both a mental health professional and carer in mental health services in Norway. Journal: Psychiatric and mental health nursing Year: 2020 DOI: https://doi.org/10.1111/jpm.12607 URL: https://onlinelibrary.wiley.com/doi/10.1111/jpm.12607	Authors (Please highlight group members)	Stain, Helen J.; Johannessen, Jan Olav; Joa, Inge.
	Short description	There was a high frequency of mental health professionals who were carers. The majority were dissatisfied, and this was primarily in relation to communication with services.
	Research group's contribution	Last author member of the group and project was presented and discussed in the group.
Publication 14: Title: Experiences of recovery from colorectal cancer surgery after hospital discharge among the oldest old: a qualitative study. Journal: Sage Journals Year: 2021 DOI: https://doi.org/10.1177/2057158521994451 URL: https://journals.sagepub.com/doi/10.1177/2057158521994451	Authors (Please highlight group members)	Eriksen KS, Husebø SE, Körner H, Lode K (2021)
	Short description	The findings indicate that older people treated for colorectal cancer manage surprisingly well after discharge despite challenges in their recovery; however, there are seemingly areas of improvement in their follow-up healthcare.
	Research group's contribution	First author was a doctoral student in the group and has presented the study in the research group. Main and co-supervisors are members of the group and have

		supervised datacollection, analysis and publication.
<p>Publication 15: Title: Health professionals' perceptions of colorectal cancer patients' treatment burden and their supportive work to ameliorate the burden – a qualitative study. Journal: BMC health services research Year: 2020 DOI: 10.1186/s12913-020-05520-y URL: https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-020-05520-y</p>	Authors (Please highlight group members)	Husebø, A.M.L. , Karlsen, B. & Husebø, S.I.E. (2020)
	Short description	Support from health professionals includes providing patients emotional support and relevant treatment-related information and motivating patients for early post-surgical mobilisation. Health professionals should be aware of identifying colorectal cancer patients' information needs according to the specific treatment stages, which may ameliorate the burden of colorectal cancer treatment and enable patients to self-manage
	Research group's contribution	First and last author member of the group. Teh concept of treatment burden has been discussed in the group.

Table 6. Please add a list with the research group's monographs/scientific books.

1	Gripsrud, BH & Thoresen, L (eds.) (2019). Alt som lever, må dø. Døden som tverrfaglig kunnskapsfelt [All that lives must die. Working with death and dying]. Scandinavian Academic Press.
2	Husebø, SE & Ballangrud, R (eds.) (2021). Teamarbeid i helsetjenesten. Fra et kvalitets- og pasientsikkerhetsperspektiv [Teamwork in healthcare. From a quality and patient safety perspective]. Oslo: Universitetsforlaget.
3	Husebø, SE & Rystedt, H. (2019) Instructional challenges in preparing for simulations (CH 4a). In M.A. Dahlgren, H. Rystedt, L. Fellander Tsai (eds.). Interprofessional simulation in Health Care. Materiality, Embodiment, Interaction. Springer (published 21.08.19). ISBN: 9783030195410.
4	Ballangrud, R & Husebø, SE (2018). TeamSTEPPS. In: K. Aase (ed.). Pasientsikkerhet- teori og praksis [Patient safety-theory and practice] 3rd. ed. Oslo: Universitetsforlaget.
5	Husebø, SE & Rystedt, H (2018). Simulering innen helsefag [Simulation in healthcare] In: K. Aase (ed.). Pasientsikkerhet- teori og praksis [Patient safety-theory and practice] 3rd ed. Oslo: Universitetsforlaget

2.2 Research group's societal contribution

Describe the societal impact of the research group's research. Consider contribution to education, economic, societal and cultural development in Norway and internationally.

Education:

Members of the research group contribute to educating patients about novel research findings relevant to the group. Two examples in the table below from the Center for Learning and Coping at SUH.

Societal:

Group members publish articles in newspapers and magazines to inform lay people about research results and projects and to discuss societal consequences of their research and knowledge (see examples in the table below).

Table 7. The research group's societal contribution, including user-oriented publications, products (including patents, software or process innovations

Instructions: Please select 5–10 of your most important user-oriented publications or other products from the last 5–10 years with emphasis on recent publications/products. For each item, please use the following formatting. Please delete lines which are not used.

No.	Name of publication/product	Date of publication/product	Link to the document
1	Educational and Coping Courses for Individuals with Multiple Sclerosis (MS). MS courses are offered for individuals recently diagnosed with multiple sclerosis, facilitated by SUH.	Biannually	behandlinger/kurs-og-opplering-for-pasient-og-parorende/ms-kurs-for-personer-som-nylig-har-fatt-diagnosen-multippel-sclerose (helse-stavanger.no) [Norwegian]
2	Learning and Coping Courses for ICD Carriers (Available only in Norwegian) The inaugural course for ICD carriers in Norway commenced in 2011 and is held four times a year. The initiators, Christina Frøiland from UiS and Ingvild Margreta Morken, established a model that inspired similar courses at other hospitals in Norway.	2011 four times a year	behandlinger/kurs-og-opplering-for-pasient-og-parorende/icd-berer-kurs (helse-stavanger.no) [Norwegian]
3	Popular Scientific Articles		
4	"Clinical Management of Orthostatic Hypotension in PD and a discussion with Nobel Laureate Stanley Prusiner about his impact on neurology"	Neurology Podcast 2019-10-15	podcast/clinical-management-of-orthostatic-hypotension-in-pd/id266288159?i=1000453502274 (podcasts.apple.com)
5	"Empatiens grunnvilkår i Omsorg", a Nordic journal for palliative medicine, 2020 by Vestbirk, Rune Kleist; Rørtveit, Kristine. The article discusses the significant impact of Covid-19 on milieu therapy, published on Sykepleien.no.	2022	covid-19-hadde-stor-innvirkning-pa-miljoterapi (sykepleien.no) [Norwegian]
6	Rørtveit, Kristine; Dysvik, Elin authored "La oss snakka om overspising!" (Let us talk about overeating), featured in Dagens Medisin 2021 UiS.	2021	debatt-og-kronikk/la-oss-snakka-om-overspising/447088 (dagensmedisin.no) [Norwegian]
7	Lode m fl Rammeverket FoC legger vekt på pasientomsorg "Rammeverket FoC legger vekt på pasientomsorg", discussing the Fundamentals of Care (FoC) emphasising patient care.	2022	Rammeverket FoC legger vekt på pasientomsorg (sykepleien.no) [Norwegian]

3. Challenges and opportunities

Information about the strengths and weaknesses of the research group is obtained through the questions above. In this chapter, please reflect on what might be the challenges and opportunities for developing and strengthening the research and the position of the research group.

Challenges faced by The Research Group for Nursing and Health Care Science include:

- Identifying a unified theme for the development of applications for external funding.
- A scarcity of research positions within the hospital for members holding a PhD, which impedes the advancement of clinical research.
- The necessity for new scientific knowledge.
- The absence of a robust network.
- Competition with clinical priorities

Opportunities for the Research Group:

- Being multidisciplinary, the group is capable of evaluating questions from diverse perspectives.
- It serves as a significant network for nurse and health care researchers.
- Its' organisation within the hospital facilitates the conduct of clinical research more effectively.
- Combined employment with the university enhances collaboration.
- Employment in the hospital offers improved access to patient data.
- Proximity to clinical settings aids in the effective implementation of research findings.
- The group plays a key role in educating researchers and augmenting research expertise within the hospital.