

Strategy Document for 2022-2025

New department

The Intervention Centre

Technology and Innovation Division (TIK)

Oslo Universtiy Hospital

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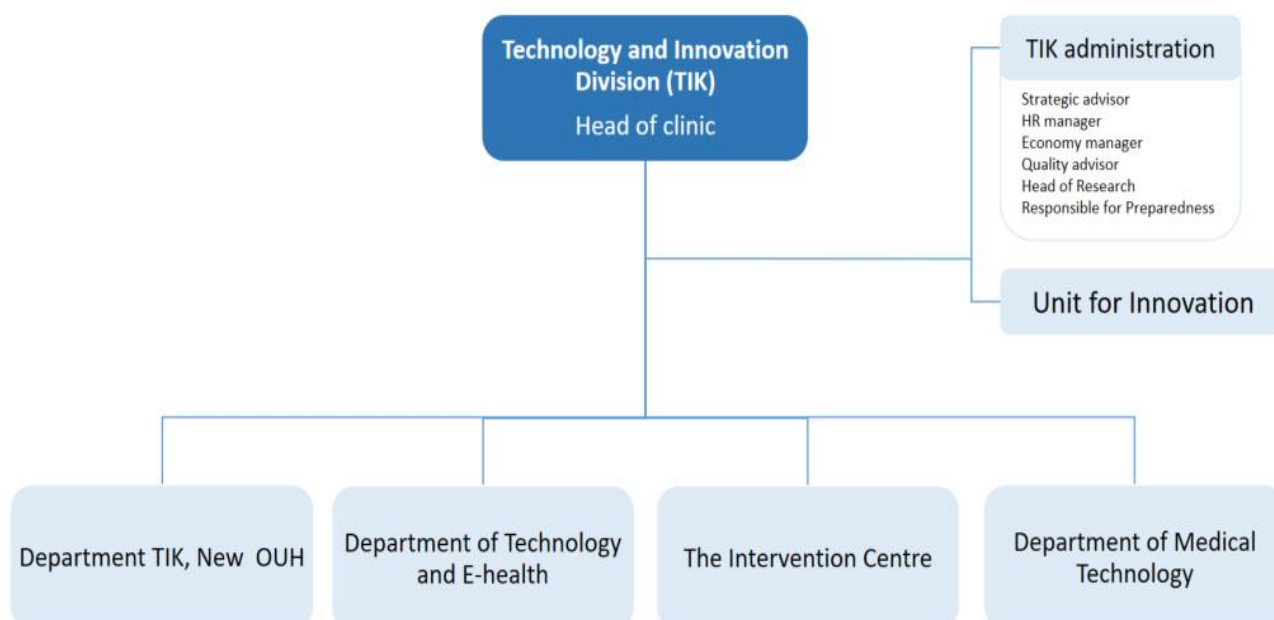
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Introduction

The development of medical technology has led to patients who previously had no treatment options or had to undergo major surgeries being treated minimally invasively with image guidance. The advancement of medical technology and medications has resulted in reduced hospitalization time. By bringing technology to patients' homes, specialist healthcare services can monitor and treat many patients remotely. The digitization of all patient data in society is changing the way patient care is delivered and how patients are monitored. It becomes possible to tailor treatment to individual patients - precision medicine.

Advancements in medical knowledge, the demand for standardized treatment algorithms, and new technology at all levels of healthcare require a more systematic training of both healthcare professionals and patients. In the medical specialization reform of 2019, there is a requirement for systematic training of teams in treatment algorithms, in addition to systematic skill training.

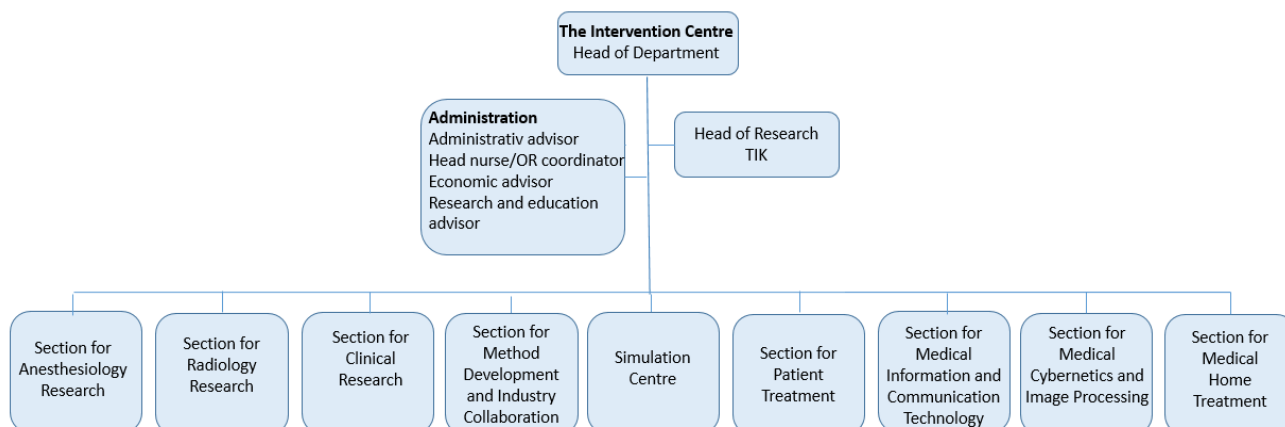
In May 2021, the Technology and Innovation Division was established with responsibility for both procurement, operation, and maintenance, as well as education and clinical use of modern technologies to support clinical units in their work towards personalized treatment both in hospitals and at home.



TIK (Technology and Innovation Division) has the following areas of responsibility within OUS (Oslo University Hospital):

1. Promote patient healthcare services.
2. Ensure daily operations and facilitate high-quality patient care.
3. Develop, test, and establish new healthcare services supported by technological solutions.
4. Be an internationally leading center for research, innovation, simulation, and education in future technology-based medicine.
5. Promote and coordinate the development of new services in collaboration with research environments, innovation clusters, technology companies, and other external stakeholders.

The new department is a merger of The Intervention Centre, the Simulation Centre, and the Section for Treatment Aids, and it has the following organizational structure:



Vision

- To become an internationally leading center for value-based health research, incorporating the dimensions of clinical practice, quality of life, and economics.
- To become the preferred research and development partner with resources for clinical testing of new technology and treatment methods for all the internal environments within OUS, within the Helse Sør-Øst region, nationally, and internationally.
- To establish itself as an internationally leading center for method development and clinical testing of new technology for diagnostics and treatment.
- To be at the forefront of designing, organizing, and operating the treatment rooms of the future for advanced image-guided treatment.
- To become a leading testing center for industry-driven clinical testing of new technology in the Nordic region.
- To be a driver for the future of specialized healthcare services delivered in the patients' home - a collaboration partner.
- To contribute to increased patient safety through competence development of OUS staff, primary healthcare personnel, and patients.
- To become an international leader in medical simulation.

The new department is responsible for delivering the following services within TIK/OUS:

A01: Promoting patient healthcare.

Effectiveness goals for the new department

- The new department ensures that patients have access to high-quality technology to actively participate in their own treatment, both at home and in the hospital.
- The new department takes responsibility for the entire technology delivery in close collaboration with customers and partners.
- The new department ensures that patients in need of essential healthcare assistance receive the necessary treatment aids.

Deliverables

- Researching the adaptation of new organizational models.
- Implementing IT standards for medical remote monitoring.
- Testing, developing, and introducing new equipment for hospital treatment.
- Testing at least three platforms for digital communication for patients at home.
- Testing end-to-end infrastructure for data sharing in medical remote monitoring before scaling up and production.
- Conducting at least two doctoral research projects on PROM (Patient-Reported Outcome Measures) and health economics related to remote patient monitoring.
- Providing user support through video consultations.
- Collaborating with referring units and healthcare professionals on treatment aids.

- Collaborating with the nursing home authority and the child and family authority on treatment aids.
- Evaluating the offering of emergency stock for treatment aids in OUS, LDS, DIA.
- Participating in collaborative meetings with LDS and DIA regarding financial distribution.
- Actively participating in the development of medical remote monitoring.
- Contributing to Health Communities (Helsefelleskap) initiatives.

A02: Ensure daily operations and facilitate high-quality patient care.

Effectiveness goals for the new department

- The unit is the hospital's primary provider of premises and a competent procurer of services from external partners.
- The new department should operate advanced operating rooms as a shared resource for the entire hospital.

Deliverables

- During the period, merging with the Day Surgery Department to establish a complete loop for efficient operation.
- Maintaining a skilled staff capable of handling various operations beyond regular working hours to ensure high utilization of advanced treatment rooms.
- The new department, from 2022 onwards, will operate as an independent department in TIK and will collaborate with other departments for the operation of intervention laboratories and hybrid laboratories for routine treatments in D6 and D7. The following procedures are offered for both operation and research:
 - Video-assisted thoracic surgery
 - Structural heart disease
 - Vascular surgery
 - Aorta stent graft
 - Endoscopic vascular surgery
 - Other procedures
 - Neurosurgery
 - Tumor surgery
 - Neurovascular surgery
 - Functional neurosurgery
 - Otorhinolaryngology (ENT)
 - Cochlear implantation
 - Tuba Eustachii surgery
 - Robotic surgery
 - Gastrointestinal surgery
 - Liver surgery
 - Pancreas surgery
 - Adrenal surgery
- The new department will develop overarching procedures and guidelines for the hospital in the field of CPR (Cardiopulmonary Resuscitation).
- Providing and ensuring the correct use of treatment aids for 19,000 home-dwelling patients annually.
- Referring patients for the allocation of treatment aids as necessary healthcare from the specialized healthcare services.
- The department carries out the "sørge for ansvaret" (providing responsibility) for treatment aids in the local hospital areas of Diakonhjemmet Hospital, Lovisenberg Diaconal Hospital, and OUS HF.
- The new department will develop a system for data capture and follow-up of patients receiving treatment aids.

A03: Develop, test, and establish new healthcare services supported by technological solutions.

Effectiveness goals for the new department

- Implementation of new image-guided and minimally invasive treatment methods in a safe and secure environment through development, quality assurance, clinical studies, and training.
- The unit develops forward-looking patient care and serves as the hospital's toolbox for new patient treatment
- The unit develops new organizational models and logistical solutions for OUS.
- The unit delivers excellent technology strategies and solutions for new buildings that are tested and phased into the current OUS infrastructure
- Becoming a comprehensive center for clinical testing of new methods and patient pathways.

Deliverables

- Having the staffing and expertise to research new treatment procedures and remote monitoring at home. During the period, the department will expand by merging with the clinical research unit to become a complete center for testing medications and medical technology.
- Actively participating in reducing the number of hospitalization days.
- Promoting active user participation in collaboration with user organizations.
- Utilizing digital communication and ordering through Helsenorge.no.
- Providing user manuals on Helsenorge.no.
- Implementing 10 new methods with DRG (Diagnosis-Related Group) during the period
- Conducting at least 25 pre-clinical and clinical trials of medical technology during the period
- Developing new services for patient collaboration at home.

A04: To be an internationally leading center for research, innovation, simulation, and education in future technology-based medicine.

Effectiveness goals for the new department

- Conducting research, including basic research, translational research, and clinical research in technology, imaging methods, medicine, and social sciences.
- Collaborating with other national and international research environments.
- Meeting OUS's needs for medical simulation and ensuring that the department has professionally updated facilitators in medical simulation.
- Serving as a comprehensive training center, offering training on simulators, comparative models, cadavers, and patients.
- Providing practical training in both collaborative algorithms and practical skills to hospital staff, community healthcare services, patients, and the industry.

Deliverables

- Contributing to the development of at least three advanced treatment methods that are performed safely and cost-effectively.
- Further developing and improving existing techniques in at least five medical specialties.
- Producing research that leads to at least 20 doctoral degrees during the period.
- Research on new treatment methods should typically include three dimensions: clinical, quality of life, and health economics.
- Publishing 250 articles during the period, with 25% of them reaching level 2 in terms of impact.
- Meeting OUS's goal of ensuring that all employees are proficient in CPR (Cardiopulmonary Resuscitation) through a structured and systematic CPR training plan.
- Meeting OUS's need for medical simulation and enhancing collaboration between somatic and mental healthcare.
- Providing training for healthcare professionals in specialist and community healthcare, continuing and promoting competence development, training packages, e-learning courses, and simulation.
- Offering training opportunities for patients and their families.
- Conducting 4 industry-sponsored international courses in advanced laparoscopy.
- Conducting 6 skills courses on animal models.
- Strengthening research that investigates the social, economic, and organizational consequences of introducing new techniques and treatment regimens in healthcare.
- Continuing major national and international projects.
- Participating in at least five EU projects and leading at least three major national and international R&D projects during the period.

A05: Promote and coordinate the development of new services in collaboration with research environments, innovation clusters, technology companies, and other external actors.

Effectiveness goals for the new department

- Innovation projects and the development of intellectual property and patents.
- Serving as a bridge between technological institutions (commercial and academic) and clinical medical environments within and outside the hospital, offering a testbed for industry to test new treatment principles and technology in vitro, in animal models, and in vivo.
- Contract research and development in collaboration with commercial entities.
- Operating advanced operating rooms and hybrid rooms that combine advanced image-diagnostic and therapeutic technologies for research and routine treatments, accessible to all clinical environments in the hospital.

Deliverables

- Developing at least 25 DOFIs (Declaration of Invention) and securing 5 patents during the period.
- Utilizing various imaging technologies such as MRI, X-ray, ultrasound, CT, PET/CT, and video-guided intervention and surgery.
- Collaborating on projects such as NorMit and HiPerNav.
- Utilizing robot and simulator technology.
- Incorporating medical sensors, monitoring, advanced data processing, and communication.
- Handling big data for decision support, such as BIGMED.
Employing advanced image processing and navigation techniques.
- Integrating multiple imaging modalities for use in diagnostics and treatment.
- Conducting research in health economics and process design.
- Collaborating on projects with Siemens and St. Olav's Hospital in Trondheim regarding the future of operating rooms.

Sections

Section for Anesthesiological Research and Development

Deliverables

- Research and development in the field of anesthesia and medical monitoring.
- Anesthesia and monitoring of patients treated in the Intervention Center's operating rooms.
- Anesthesia and monitoring of experimental animals operated on in the Intervention Center's operating rooms.
- Training in new anesthesia and monitoring techniques for healthcare personnel at OUS and other hospitals in Norway.
- Supervision of students, master's degree candidates, and PhD/Postdoc researchers.
- Research networks and access to key individuals nationally and internationally.

Main Goals

- Strengthen collaboration with regional, national, and international research environments.
- Initiate one EU project and conduct an international multicenter study.
- Within the field of medical monitoring, the section aims to become internationally leading in research and development.
- Actively contribute to improving the quality of experimental and clinical research.
- At least 25% of publications should be in Level 2 journals.
- Contribute to increased innovation and ensure intellectual property.
- 1-2 Declarations of Invention for Employees and Researchers (DOFI) per year, 2 patents in a 5-year period.
- Produce 4 PhDs during the period.
- Maintain a highly qualified staff at all levels to ensure safe operations and high-quality research.
- Strengthen interdisciplinary research at the center by increasing the number of collaborative projects.

Section for Clinical Research and Development

Deliverables

- Research and development in minimally invasive surgery within the Intervention Center's premises.
- Development and training in new techniques for OUS, other hospitals in Norway, and internationally.
- Performing minimally invasive treatment for patient groups where the number of patients within different disease categories is too low to establish safe training and treatment options in more than a few locations in the country.
- Performing minimally invasive treatment for patient groups where treatment requires established interdisciplinary collaboration and infrastructure that is currently unique to the Intervention Center. Examples include laparoscopic liver and pancreas surgery, laparoscopic endocrine surgery, laparoscopic surgery for endometriosis, and laparoscopic spine surgery.
- Clinical research and development (R&D) projects in all medical fields.
- Supervision of master's and PhD/Postdoc candidates.
- Research networks and access to key individuals at OUS, nationally, and internationally.
- Own research groups.

Main Goals

- The scope of the Clinical Research Section is minimally invasive treatment in all surgical disciplines.
- The Clinical Research Section aims to be at the forefront both nationally and internationally within its scope of research and development.
- The Clinical Research Section will initiate and assist in research projects related to minimally invasive treatment.
- The Clinical Research Section will promote training locally, regionally, nationally, and beyond the country's borders.
- The Clinical Research Section will encourage interdisciplinary work because minimally invasive treatment involves various professions and fields, making it a shared concern across disciplines.
- Minimally invasive treatment relies on developments in technology and radiology fields.
- It will actively contribute to improving the quality of experimental and clinical research.
- Contribute to increased innovation and secure intellectual property.
- Aim to have 7 Declarations of Invention for Employees and Researchers (DOFI) and secure 2 patents during the period.
- Participate in at least one EU project during the period.
- Introduce 1 new method with DRG during the period.
- Produce 5 new PhD candidates and 3 postdocs during the period.
- Publish 70 articles during the period, with 35% of them in Level 2 journals.

Section for Radiological Research and Development

Deliverables

- Support for research and development in radiologically guided methods within the Intervention Center's premises.
- Radiological examination of patients treated in the Intervention Center's premises.
- Radiological examination of experimental animals operated on in the Intervention Center's premises.
- Development and training in new techniques for Oslo University Hospital (OUS) and other hospitals in Norway.

Main Goals

- The Radiology Section aims to be at the forefront nationally and internationally in research and development of image-guided treatment.
- Strengthen collaboration with regional, national, and international research environments.
- Initiate and conduct at least one international multicenter study.
- Improve the quality of experimental and clinical research by producing 40 articles during the period, with at least 30% of them in Level 2 journals.
- Contribute to increased innovation and secure intellectual property.

- Aim to have at least 2 Declarations of Invention for Employees and Researchers (DOFI) during the period.
- Introduce 8 new methods with Diagnosis-Related Groups (DRG) during the period.
- Produce 2 PhD candidates during the period.
- The section must have close professional and personnel collaboration with the Radiology Department at the hospital. The Radiology Section should have staff and, if necessary, acquire expertise from other radiological environments to ensure safe and responsible execution of image-guided radiological research and development projects.

Section for Medical Cybernetics and Image Processing

Deliverables

- Research and publication
- Innovation in medical technology and application
- Development of technological solutions, prototypes, and demonstrators
- Intellectual property
- Interdisciplinary expertise in technology
- Supervision of students and doctoral candidates
- Teaching
- Support for operations that require the section's technology and expertise

Main Goals

- The section shall be at the forefront nationally and internationally in research and development of technological solutions for patient monitoring and new treatment methods, including minimally invasive and image-guided treatment. The section shall actively contribute to increasing innovation in medical technology and securing intellectual property. At least 5 Declarations of Invention for Employees and Researchers (DOFI) during the period.
- The section shall produce 4 PhD candidates during the period.
- The section shall produce 40 articles during the period, of which 25% should be Level 2 publications.
- The section aims to research and develop new technology, methods, and algorithms in areas related to:
 - Medical image processing and navigation.
 - Robotic surgery and automation of healthcare services.
 - Medical sensors and advanced interpretation of multiple sensor data, such as decision support systems.
 - Advanced biomechanical modeling of organs for prediction and decision support.
 - Develop patient-specific organ models, including the use of new methods in 3D printing.
 - Develop prototypes/demonstrators for training, decision support, and pre-clinical and clinical validation.
- The section shall maintain a high level of interdisciplinary expertise and strive to have sufficient staffing with the necessary breadth of expertise in various technological disciplines.
- The section shall encourage its employees to hold academic positions outside the hospital.
- The section shall continue and further develop collaborations with national and international research environments and industry. Participate in at least 3 international and 3 national projects during the period.
- The section shall initiate national and international research projects and be active both as coordinators and partners in EU projects.
- The section shall have sufficient staffing and expertise at all times to assist various projects initiated by other environments and contribute to seamless collaboration between technologists and clinicians.
- The section shall provide the necessary technological staffing and expertise to participate in interdisciplinary projects at the Intervention Center and support patient care when necessary.

Section for Information and Communication Technology (SIKT)

Deliverables

- Research and publication
- Innovation in medical signal processing and communication technology
- Development of technological solutions, prototypes, and demonstrators

- Intellectual property management
- Interdisciplinary expertise in signal processing and communication technology
- Supervision of students and doctoral candidates
- Teaching and education

Main Goals

- SIKT aims to be at the forefront nationally and internationally in research and development of medical signal processing and communication technology, as well as providing advice on operations and procurement projects at the center. Publish at least 12 publications per year, with at least 25% in level 2 journals. Deliver 5 DOFI projects during the period. Produce 5 PhD candidates in the period.
- SIKT leads advanced research projects that are at the international forefront of research. Coordinate at least 1 EU project and 3 NFR projects during the period.
- SIKT will develop technological solutions for patient monitoring and new treatment methods, including minimally invasive and image-guided treatment.
- SIKT will encourage its employees to hold academic positions outside the hospital.
- SIKT should always have sufficient staff and expertise to assist various projects initiated by other environments and contribute to seamless collaboration between technologists and clinicians.
- SIKT should provide the necessary technological staffing and expertise to participate in interdisciplinary projects at the Intervention Center and support patient care where necessary.
- SIKT should have the following focus areas during the period:
 - Develop new medical sensors based on bio-nano technologies (Bio-nanoelectronics)
 - Develop communication and computing systems based on biological organisms, such as molecules, cells, and organs that can communicate with the internet and cloud services for storage and processing of large amounts of data
 - Develop new algorithms for processing and understanding complex, large datasets from sensors, genetic materials, medical records, test results, images, etc., in connection with high-precision diagnostics, treatment, and follow-up
 - Conduct research and development from basic research involving new theories, mathematical modeling, computer-assisted simulations, and prototype development to preclinical testing and validation - "from bench to bedside."

Section for Method Development and Industry Collaboration (SMI)

Deliverables

- Expertise in organizing industry collaborations and contract research with the testing of medical technology.
- Promote the Intervention Center's Testbed and act as a gateway between industry and the hospital.
- Innovation in the field of medical technology and its applications.
- Collaborate with all sections at the Intervention Center on activities within the Testbed.
- Collaborate with Inven2 on the formalization of contract research.
- Establish connections with relevant clinical environments at Oslo University Hospital (OUS) for projects within the Testbed.
- Act as a subcontractor in contract research initiated by other clinical environments at OUS.
- Develop, update, and regularly maintain the department's website.

Main Goals

- Develop at least five new collaboration agreements annually with industrial partners.
- Responsible for editing the department's annual report.
- Responsible for the Intervention Center's communication strategy.
- Co-responsible for the Intervention Center's quality system.
- Member of the Nordic Proof Testbed Collaboration.
- Ensure that contract research is conducted in accordance with Oslo University Hospital (OUS) and health authorities' guidelines for research involving animals and humans.

The Simulation Center (SIM)

Deliverables

- The Simulation Center SimOslo meets Oslo University Hospital's (OUS) need for medical simulation with expert guidance from competent facilitators.
- SimOslo is represented and contributes to regional, interregional, and national networks for collaboration on the development, sharing, and quality assurance of simulation activities in specialized healthcare.
- SimOslo offers relevant courses and training based on structured skill training and simulation within the healthcare facility.
- SimOslo is responsible for regional and local Train-the-Trainer (T-t-T) basic courses in medical simulation and various follow-up courses in collaboration with RegSim South-East.
- SimOslo trains senior facilitators and is responsible for follow-up in collaboration with RegSim South-East.
- SimOslo organizes HHLR/ AHLR courses and instructor courses:
- Has a systematic plan and ensures regular updated HHLR/ AHLR training for all OUS employees.
- Trains competent HHLR/ AHLR instructors upon request from the clinics at the level recommended in OUS's level 1 guidelines.
- Offers the lending of HLR rooms and training equipment as needed by the hospital.
- SimOslo has developed Level 1 procedures for medical simulation and Level 2 procedures for handling adverse events during simulation training.
- SimOslo trains simulation operators and is responsible for their professional follow-up.
- SimOslo works systematically and purposefully to enhance the competence of the simulation center's staff:
- Follows an action plan with a yearly schedule of fixed courses and competence-enhancing measures.
- SimOslo offers relevant resources in:
 - Facilitation
 - Guidance
- SimOslo provides equipment lending and rental of premises, including for external teaching and filming.

Main Goal

- SimOslo is a leading regional center for medical simulation with representation in the national competence group, SimNorge.
- SimOslo is promoted throughout Oslo University Hospital (OUS) and addresses the hospital's need for simulation training.
- SimOslo maintains various course offerings and develops new ones based on demand from the hospital and the region, in collaboration with RegSim South-East.
- SimOslo organizes all High-Performance Life Support (HLR) training and supports OUS's goal of ensuring that all employees are proficient in HHLR.
- The center has sufficiently competent staff, up-to-date equipment, facilities, and budgetary resources to enable the desired national level of activity.
- SimOslo has a qualified team of facilitators who maintain their competence through continuous professional development, including updates in clinical knowledge, and share their knowledge and experience to enhance competence.
- SimOslo is well-known within OUS and maintains an up-to-date website, an active Instagram account, and an updated informational video.
- SimOslo is a member of the "Society in Europe for Simulation Applied to Medicine" (SESAM) and is seeking accreditation.
- SimOslo plans to conduct a study or research project on the effectiveness of medical simulation by 2024.
- SimOslo will establish a competence portal for employees in 2022.
- SimOslo is an open, inclusive, and attractive department with a good working environment and a high level of expertise.

Section for Assistive Devices

Deliverables

The section is responsible for assistive devices for 19,000 home-dwelling patients. Patients are referred for the allocation of assistive devices as necessary healthcare assistance from specialized healthcare services. The department carries out HSØ's 'responsibility to provide' for assistive devices in the local hospital areas of Diakonhjemmet Hospital, Lovisenberg Diaconal Hospital, and Oslo University Hospital HF

The section handles:

- Assistive devices, including ordering, inventory management, customization, distribution, home delivery/pick-up, and electrical inspection.
- Planned and emergency maintenance, including at the patient's home.
- Decontamination with recycling of assistive devices.
- Providing guidance to the responsible healthcare provider regarding assistive devices.
- Processing and verifying referrals, maintaining records, and engaging in patient communication.
- Making hospital decisions.
- Offering guidance and patient education.

Main Goals

Customer/Patient Customization and Collaboration

- Actively involved in reducing the number of hospital bed days.
- Promoting active user involvement in collaboration with user organizations:
 - Digital communication and ordering: Helsenorge.no.
 - User manuals: Helsenorge.no.
- Providing training for healthcare personnel in specialized and municipal healthcare services, continuing and promoting competence development, training packages, e-learning courses, and simulation.
- Offering training opportunities for patients and their families.
- Providing user support via video consultations.
- Collaborating with referring units and healthcare professionals regarding assistive devices.
- Collaborating with the nursing home authority and the child and family authority on assistive devices.
- Evaluating the supply of emergency stock for assistive devices at OUS, LDS, DIA.
- Participating in collaboration meetings with LDS and DIA regarding financial allocation.
- Actively participating in the development of remote medical monitoring.
- Contributing to the Health Community.

Competitive Adaptation

- LEAN project (Green Cross).
- Continuing the ongoing efficiency improvement process, including Electronic Data Interchange (EDI).
- Enhancing our competitive advantage through specialized and broad competence.

Work Environment, Culture, and Employees

- A competence plan shall serve as the foundation for certification and further education.
- Expanding the competence plan to include offerings for master's degrees and research with the aim of obtaining a doctorate, along with an increase in the percentage of permanent employees with academic adjunct positions.
- Particular emphasis on the need to further develop and retain expertise in:
 - Education and pedagogy.
 - Medical technology.
 - Healthcare.
 - Logistics.
 - Medicine.
 - Law.

- A forward-looking and knowledge-based work culture with a focus on communication and cultural understanding, addressing how to meet the needs of patients and colleagues.

Resource Management

- Enhance the utilization of facilities.
- Improve control over the whereabouts of Medical Technical Equipment (MTU).
- Implement the "Grønne korset" initiative to ensure the quality of dispensing and shipping to patients.
- Investigate mask fitting/exchange for patients.
- Pursue environmental sustainability goals, such as the Miljøfyrtårn certification, in alignment with the overarching environmental objectives of Oslo University Hospital HF (OUS HF).

System and Harmonization

- Developing and assessing procedures based on evidence-based practice.
- Reviewing and harmonizing the use of databases, procedures, and risk assessments during the transition to Medusa.
- Ensuring patient safety and compliance with laws and regulations in daily operations.

Communication

- Making information accessible to both patients and partners through secure electronic solutions (including hospital pharmacy, encrypted HSØ project).
- Implementing treatment-oriented dialogue with patients in the DIPS system.
- Introducing electronic forms in DIPS from several departments in OUS, and eventually in LDS and DIA.
- Reducing discrepancies between specialized healthcare services and municipal healthcare services regarding assistive devices.
- Quality assuring and adopting innovative ICT platforms in collaborative work.
- Working towards integrating specialized and municipal healthcare services to share expertise (for BHM).
- Contributing to providing legislators with sufficient information to develop legislation that ensures the functionality of technology for home treatment and helps hospitals achieve their home treatment goals

Research and Innovation

- Establishing a research project in collaboration with LDS on the effects of patient and family education in assistive devices, as well as guidance for healthcare professionals.
- Hosting a PhD candidate from NTNU focusing on patient safety.
- Hosting a PhD candidate from UiO focusing on remote medical monitoring.
- Hosting a PhD candidate from UiO focusing on logistics for home treatment, including a study on future logistic solutions for home treatment.
- Participating in Minimetodevurdering (Mini-method assessment) and implementing new medical equipment.
- Actively participating in national, regional, and local forums and projects related to e-Health, technology, and collaboration.
- Collaborating with Lab Intervention Center, a clinical testing center for home treatment:
 - Testing and developing at least one new technology solution for assistive devices in collaboration with clinicians.
 - Conducting clinical trials for at least one new technology.
 - Contributing to at least three ongoing technology projects with primary healthcare services.
 - Participating in projects for sensor testing for home use.
 - Exploring the concept of a "test home" for assistive devices, assessing the needs and possibilities for a single, professional, and sheltered organizational unit in BHM for testing and developing new methods and assistive devices in patients' homes to determine medical benefits and disadvantages, patient experiences, and cost-effectiveness; separate from the rest of BHM (routine-oriented and cost-effective).
- Contributing to the development of home services, including home hospitals, in OUS, LDS, and DIA.

Organization

- Developing the service offerings in the outpatient clinic BHM.
- Serving as a coordination function/role between primary and specialized healthcare services.
- Actively working towards the establishment of a National Competence Service for Medical Home Treatment.

- Participating in the "New OUS" project.
- Collaborating on spaces, services, and cooperation with other BHM units in Health South-East (HSØ), including digital ordering services.
- Collaborating on equipment decontamination.