

The Danish Healthcare System and Aarhus University Hospital



*CEO Poul Blaabjerg,
Aarhus University Hospital*

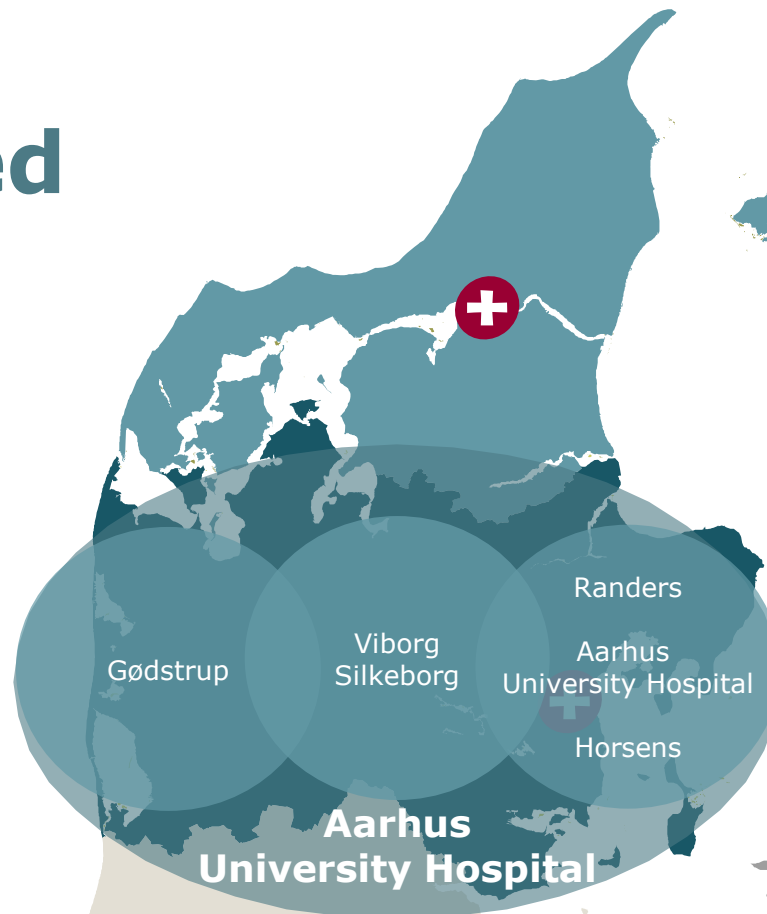
Highly specialised treatment

AUH provides highly specialised treatment for all patients in the Region of Central Jutland

Criteria for highly specialised services:

- Rare
- Complex
- Resource demanding

AUH covers the full range of medical specialties and has nearly **500** out of 600 highly specialised services in Denmark



AARHUS UNIVERSITY HOSPITAL

Denmark's most **complete hospital** at the highest international level

Ranked as **Denmark's best** hospital 13 times

Awarded the **19th best Smart Hospital** in the world in 2021.

Research carried out in collaboration with Aarhus University - also **top-ranked internationally**.

SHANGHAI RANKING 软科排名

Home **Rankings** Universities

23 Aarhus University



The Hospital City



AUH is committed to treatment, education and research

- Local hospital for the 350,000+ citizens
- Highly specialised hospital for patients in Central Denmark Region and in West Denmark
- The only hospital in Denmark offering proton beam radiotherapy
- All medical specialties in same location
- Largest workplace in Aarhus with more than 10,000 employees

Figures from AUH

Number of beds



856

Clinical departments



43

ANNUAL ACTIVITIES 2020:

Emergency visits:



48,879

Outpatient visits:



889,370

Discharges:



83,233

Surgeries:



82,910

Births:



4996

**Aarhus University Hospital covers
all medical specialities at the highest
international level**

**We have a
whole-person
approach**

We are leading in
patient involvement

We make it easier for the
patient to make difficult
decisions

We create a workplace
characterised by safety,
involvement, and
commitment

**We create
results through
collaboration**

Aarhus University Hospital
builds communities across
professions and departments

We ensure smooth and safe
transitions in patient pathways
between colleagues in the healthcare
system locally, regionally,
and nationally

We contribute to develop
a world-class healthcare
system

**We have the
highest level of
professionalism**

We educate, develop,
and attract the most
competent staff

We ensure optimal conditions
for research creating breakthroughs
and improvements for patients

We focus on, prioritise
and develop professional
strongholds

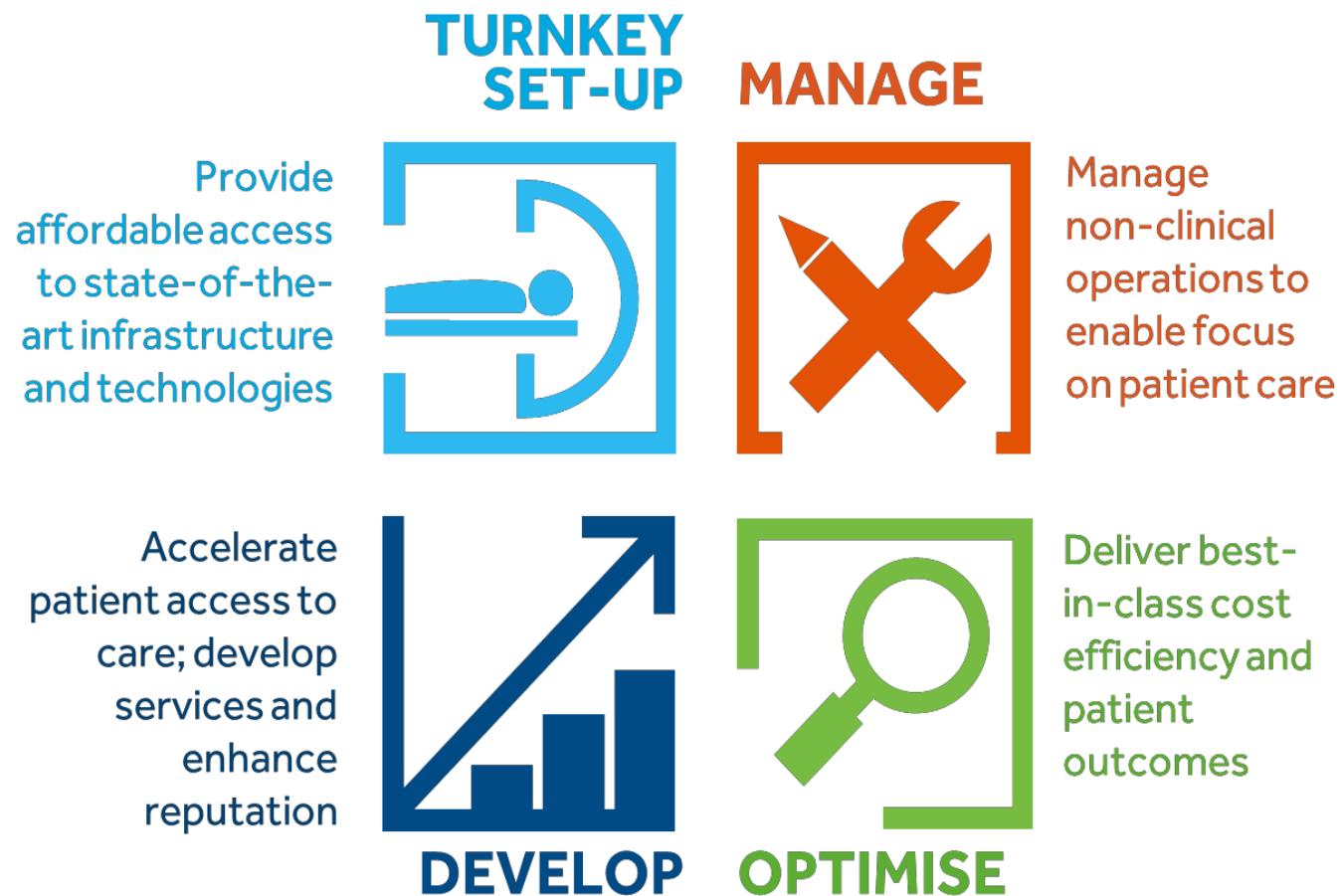
Cross-organisational management close to clinical practice · Working environment ·
Work life · Innovation · Data · Digitisation · Well-run hospital

In the best hands throughout life

INNOVATION THROUGH PARTNERSHIPS

INTEGRATED HEALTH SOLUTIONS (IHS)

SUPPORT HOSPITAL DEVELOPMENT WITH A WIDE RANGE OF SOLUTIONS



INTEGRATED HEALTH SOLUTION ACROSS EUROPE

+200 PUBLIC-PRIVATE PARTNERSHIP AS BASIS FOR CREATING CHANGE



Long term and trust based partnerships



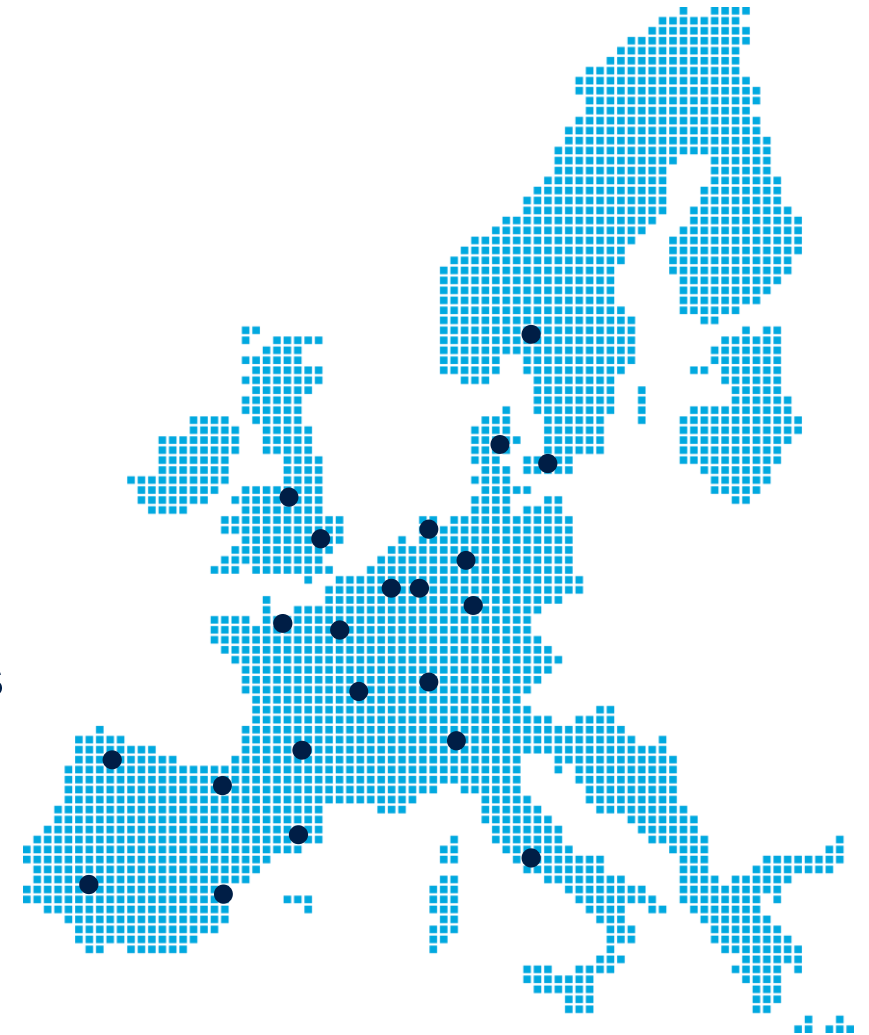
Continuously KPI-follow up and valuebased financing



Inspiration from international experts and partnerships



New technologies



A LONG-TERM PARTNERSHIP BETWEEN AUH AND MEDTRONIC TO OPTIMIZE NON- CLINICAL PROCESSES WITH OBLIGATING FINANCIAL GOALS



OPTIMIZE AND PROFESSIONALIZE CORE ACTIVITIES SUCH AS OPERATIONAL PLANNING AND THE USE OF RESOURCES

TASKS RELATED TO MATERIAL MANAGEMENT TO REDUCE WASTE AND FREEING UP NURSING RESOURCES

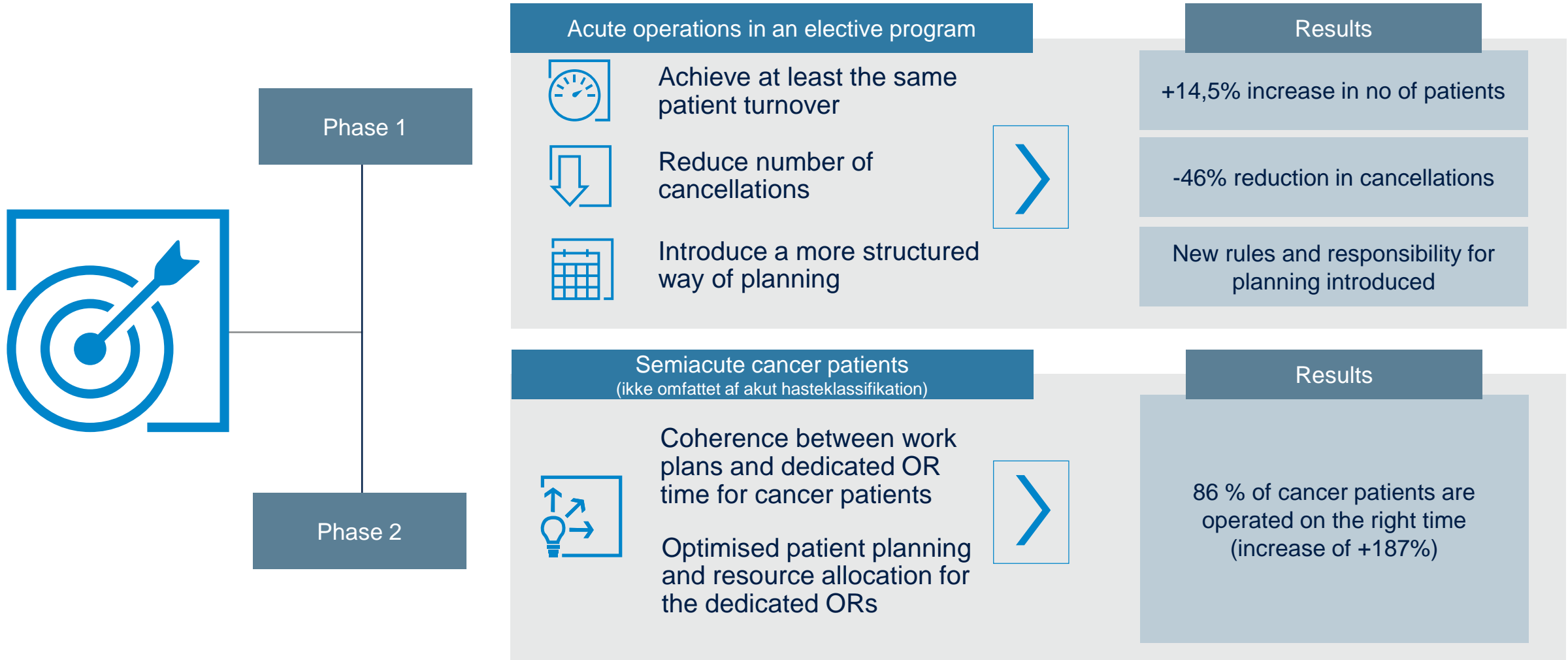
BRING NEW COMPETENCIES TO AUH IN TERMS OF OPERATIONAL OPTIMIZATION AND PLANNING

STRENGTHEN THE ORGANIZATION AND ENSURE THE WELL-BEING AND ENGAGEMENT OF THE EMPLOYEES

INTERNATIONAL BENCHMARKING, COLLABORATION AND EXCHANGE OF KNOWLEDGE WITH OTHER UNIVERSITY HOSPITALS

A MATHEMATICAL APPROACH FOR OPERATIONAL SCHEDULING

PLANNING OF ACUTE NEUROSURGERY OPERATIONS IN AN ELECTIVE PROGRAM



ABOUT DANISH NEUROSCIENCE CENTER



DNC is an **integrated part** of Aarhus University Hospital and the result of a close collaboration with Aarhus University.

DNC is **world leading** in a number of research areas, which have helped promote new technologies and patient treatments.

It is our vision to create **the best treatment in the world** for patients with disorders of the brain.

OUR AMBITIONS



We want to build an **iconic neuro research building** for the benefit of our patients and their families.

We aim to be ranked as the **10th best** hospital worldwide.

Close **integration** of psychiatry and somatic research.



COLLABORATION WITH BJARKE INGELS GROUP



The design proposal is ready:

- **an architectural gem** conceived by Bjarke Ingels Group (BIG) **celebrating the brain** and designed to foster integrative research.

Building site **near the patients and clinicians** in the neuro departments.

Focus on **sustainability, functionality, and working environment.**



DNC RESEARCH

- We have already made **discoveries that have led to paradigm shifts** in treatments for patients world-wide.
- We intend to become a **center of excellence** and carry out more ground-breaking research on the function of the normal brain and how diseases can be prevented, detected, and treated.
- **State-of –the-art labs** and clinical examinations rooms and closeness to clinicians & patients.

DNC – MORE THAN RESEARCH

Open to the public:

- public lectures & events with dissemination of brain research
- exhibition areas
- experimentarium with cafe
- play & learning labs that focus on children
- space for patient organizations & other stakeholders
- innovation



DNC wants to stimulate:

- New spin-outs
- Collaborations with private partners
- Fast-track from idea to patient treatment.

 Cercare Medical



Diagnostics & treatment – globally
Acute treatment of stroke

Philips Global Healthcare Breakthrough winner 2018



UDENRIGSMINISTERIET
Ministry of Foreign Affairs
of Denmark



Stanford University



Dansk
Neuroforsknings
Center

2016:
Neurosurgery &
neurobiology
large animal models of
neurological and



2018:
New start-up company needing to test
new radiation therapy for brain
cancer, neurological and psychiatric
diseases.



2021:
2 patents
2 PhD dissertations
10 publications
New projects in pipeline

SCIENTIFIC
REPORTS
nature research



Radionecrosis and cellular changes
in small volume stereotactic brain
radiosurgery in a porcine model

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THANKS

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