Putting users at the center of planning and design

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The Center for Healthcare Architecture (CVA) is a national arena for the creation, translation, exchange and dissemination of knowledge about healthcare architecture in Sweden.

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Where I come from? CHALMERS
Collect and disseminate existing national and international healthcare architecture research

Compile it and distribute it in Sweden

Identify new research needs

Initiate and implement new research projects
How do we plan the right solutions?
Today...
Healing?
As it often looks
What we want!
We also want!
Challenges

Stockholm City Integration

University and Hospital Integration

Solna City Integration

Northern City Entrance

Connection to Airport
How do we know what to build?
Norms and standards - kitchen

Exempel på godtagen utrustningsmängd:
Delmått för godtagen minsta inrednings- och utrustningsmängd ges i figur 71:214.

Figur 71:214. Delmått på godtagen minsta inrednings- och utrustningsmängd för olika lägenhetsstorierkar. Delmått anges i dm. 150 och 300 anger kyl volym i liter.
Norms and standards - Hospitals
This world does not exist anymore...
Health care medical challenges

- Challenges of infections, new diseases and globalization
- Development of healthcare processes increase demands on medical staff
- Patient centered strategies require staff with a broad competence to handle multiple situations
  - Health care settings from homes to hospitals
- Importance for health care excellence to retain and attract competence on hospital and national level
  - Staff quality = care quality
Health care facilities challenges

- To develop sustainable and effective hospitals considering today’s complex challenges
- Care is constantly changing and puts new requirements on the facilities used
- The facilities become a part of the care process
  - Locations, logistics, EBD…
- We have separated and functional organisations… and thus budgets
Healthcare of the future

New therapies, new medical technology, ICT, demography…
Centrum för Vårdens Arkitektur - CVA

**Normative – Dynamic – Integrated model of planning**

**Normative**
Knowledge and development centrally managed
Standards Guidelines

**Dynamic**
Hi degree of participation
Customized solutions
Knowledge and development managed locally

**Integrated model of planning**
Dialogue concerning care and facilities based on evidence and experiences
Swedish context

- Patient centered perspective
- Participation
- Dialogue
Workshops with PTS, researchers and architects and planners
PTS

- Programme for Technical Standard
  - Started as assembly of "old" norms, developed through workshops and research to become a tool
- Collaboration
  - Counties, 15 of 21 equal to 85% of people in Sweden
  - Practice, architects, planners and engineers
  - Academia, universities,
- Ongoing development and dissemination
- Latest tool is Evidence Based Concept Programs, EBCP
Evidence based concept programs

"The good ward"
Standard model – NOT reality
I funktionenheten finns stödfunktioner som ger möjlighet att:

- för personal, patienter och närstående att mötas och vid behov tala ostört. (enpatientrum, grupprum, samtalsrum)

- att dokumentera och utföra annat administrativt arbete (arbetsstation, grupprum etc)

- att spoldesinficera gods som används på vårdrummet. (spoldesinfektor på alla vårdrum alt. desinfektionsrum i funktionenheten)

- för patienten att mobilisera, sitta, vila, utanför patientrummet. (närdbrum, sittmöjlighet i korridor etc.)

- att hämta dryck etc. (nutritionsstation)

- att finna material för det dagliga arbetet. (närförråd, genomräkningsskåp, läkemedelsvagn, beredningsplats för läkemedel etc.)

- att möta förändrade behov. (vårdrum, ett alternativt specialrum)
Design of single-patient rooms
Design of the functional unit
Evidence based concept programs

High tech healthcare environments for ICU and OP
Evidence based concept programs for administrative workplaces in healthcare
After all, is there a bigger challenge than to design the spaces where we shall be examined naked by medical professionals and sometimes also die?
Useful contact

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