Healthcare and Technology

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8.2 billion SEK revenue in 2015

8000 employees
1000 beds
56000 admissions
35000 surgical procedures
700000 out patient visits
Trends in health care

- **Less inpatient care**
  - less frequent
  - shorter duration

- **More outpatient or short stay care**
  - increased number of procedures for diagnosis and treatment
  - more advanced procedures based on advanced imaging
  - less traumatic procedures
Trends in health care in EU
shift of costs towards technology

Proportion of costs for health care - salary versus technology

"Health care in Europe"
EU perspectives Brussels 2010
Collaboration between hospitals and universities within med tech Uppsala?
Uppsala Centrum for Med tech

- Report published 2015
- Collaboration between the domains of science/technology and medicine/pharmacy at Uppsala university and Akademiska sjukhuset
- Four areas defined as being of primary interest for all three parts
1. Radiooncology

Diagnostics and Planning
- PET/MR
- CT
- PET/CT
- MR

Treatment
- MR-Linac
- Brachy
- Protons
- Linac
2. Computer assisted surgery

- Based on advanced imaging
- Reduces need for open surgery
- Improves precision
3. Medical Sensors

- Diagnostic purpose
- Monitoring

Shift from bedside use to use at distance “telemetry”
4. Implementation

There is a lot of existing technique developed for healthcare that has not yet been implemented.