

Patient@home 2012-2018 - Project Results

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Patient@home: Denmark's Largest Health and Welfare Technology Project

- Intelligent solutions for society and welfare technology (National Danish SPIR platform)
- Title
 - Patient@home: Innovative Welfare Technology for the 21st Century
- Project period
 - 1. Marts 2012 – 28. February 2018
- Actual budget
 - >300m DKK (40m Euro)
- www.patientathome.dk

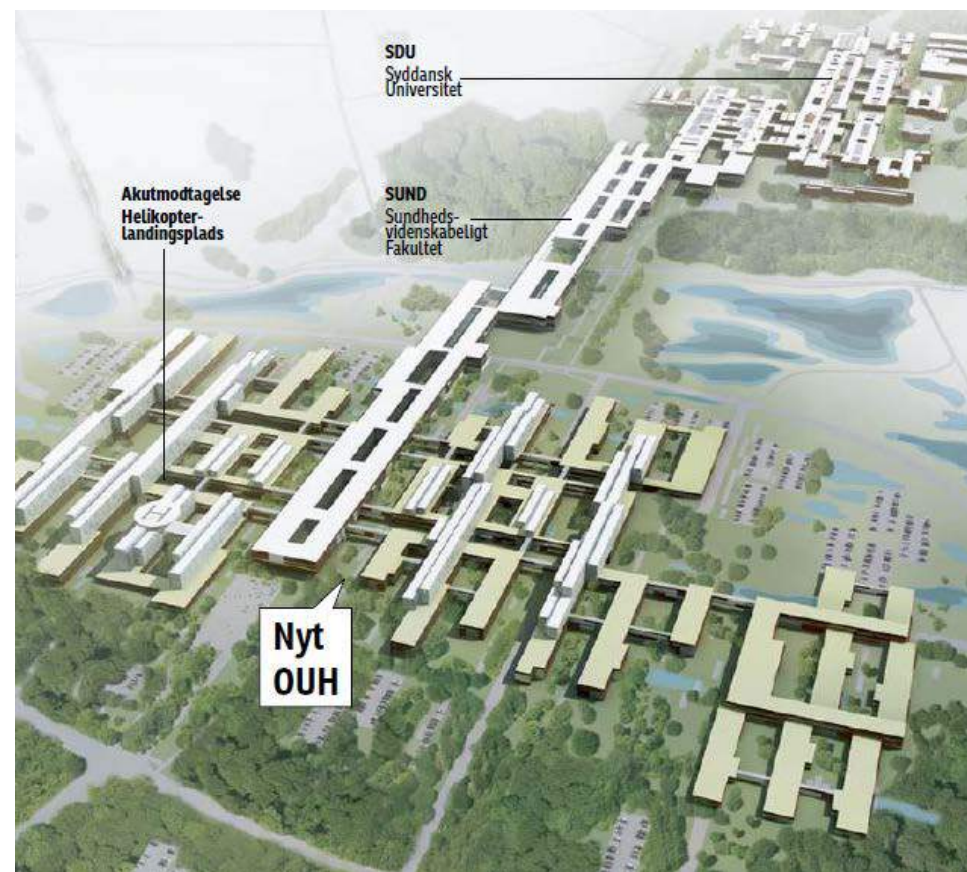
Initial budget

| | |
|-------------------------------|---------------|
| • Innovation Fund DK | 70,0m |
| • RSD Growth Forum | 18,6m |
| • Public co-financing | 21,7m |
| • <u>Private co-financing</u> | <u>78,3m</u> |
| • <u>Total</u> | <u>188,6m</u> |



Challenges

- Demographic change
 - More elderly → more demanding patients
 - Increased need for treatment and hospitals beds
- Economy
 - Same/fewer funds for healthcare in the future
- Healthcare staff
 - Fewer people
- New hospital (i.e., OUH)
 - 30% fewer beds



OUH magazine, 100 years 2012



Approach

- Shorter (and fewer) hospital stays
 - OUH admissions: 3 days on average
 - Must be reduced to 1 day on average
- Early discharge of **carefully selected** patients after diagnosis (and initial treatment)
- Followed by **rehabilitation, monitoring, care**, and additional treatment at home
- Prevent re-hospitalization



HJEMMET ER FREMTIDENS SYGEHUS

Patienter, der lider af kroniske sygdomme som KOL og diabetes, skal i fremtiden tage vare på eget helbred.

Med ny teknologi kan man selv foretage målinger og vejninger og dermed undgå hyppige indlæggelser.

Det mener formanden for sundhedsudvalget i Region Syddanmark, Poul-Erik Svendsen (S).

INDLAND / SIDE 4-5

JV newspaper, June 11, 2012



Development of a Unique Ecosystem

- Development, assessment, and test of health and welfare technology
 - From research to implementation
 - Structured methods for user involvement, product screening and assessment, business potential analysis and portfolio management
- Broad national coverage, international outreach
- Best practice based on experiences from
 - 100+ projects
 - 100+ partners
- High interest and engagement from companies



Prominent Results of the Ecosystem

- Selected key deliverables
 - 40-50 products/services expected 40 promised
 - 66 companies (ultimo 2018) 28 promised
 - 112m DKK in private co-financing (ultimo 2016) 78m DKK promised
- External funding
 - 125m DKK (ultimo 2016)
- High success rates for projects (primo 2017)
 - 40-50% has so far ended up as finished products/services
- High success rates for finished products and services (primo 2017)
 - 50-60% is so far in use in the healthcare sector



Implementation Results and Effects

- Status of first 23 products (primo 2017)
 - 13 in use in the health care sector
 - 2 sold to a large international company (BioTelemetry Inc)
 - 1 led to derived product being sold (and exported)
 - 3 led to (will lead to) new projects based on experiences
 - 4 seems “dead in the water” (at the moment)



Who benefits from Patient@home?

- The health and care sectors have found ways to shorten the stays and have avoided re-admissions for carefully selected groups of patients.
- Certain categories of patients (and their relatives) have experienced ways to stay longer in their own home and avoid unnecessary hospital admissions.
- The involved companies have experienced growth in sales and employees.
 - Sources: Reports from Growth Forum, Region of Southern Denmark.



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- Natalie Lundquist



... And Thanks to the Funders



Innovation Fund Denmark

The
Southern
Denmark
Growth Forum

The logo for The Southern Denmark Growth Forum features the text "The Southern Denmark Growth Forum" in a dark grey sans-serif font. To the right of the text is a stylized orange graphic composed of several interconnected circles of varying sizes, resembling a molecular structure or a network.