

# Why we are in urgent need for projects with focus on welfare technology

**Dr. Peter Høngaard Andersen**  
**Managing Director**  
**Innovation Fund Denmark**



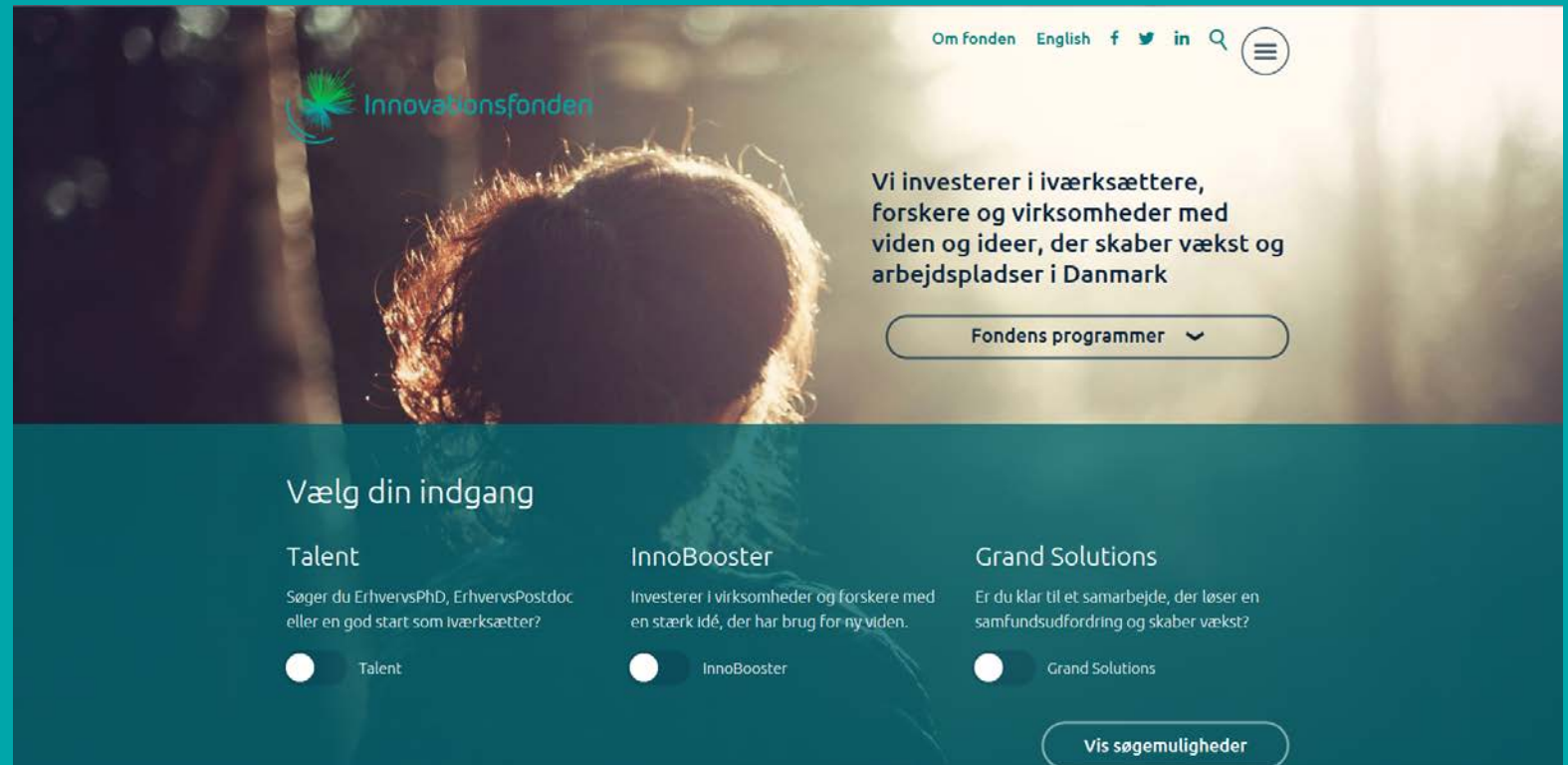
**Patient@home – Project Results February 1st 2018**



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- IFD's newsletter
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# Innovation Fund Denmark in numbers

A busy organisation

>8 bn DKK

active portfolio

>1800

active projects

1.4 bn DKK

in 2018

>3000/yr

project proposals

>250

active Int. projects

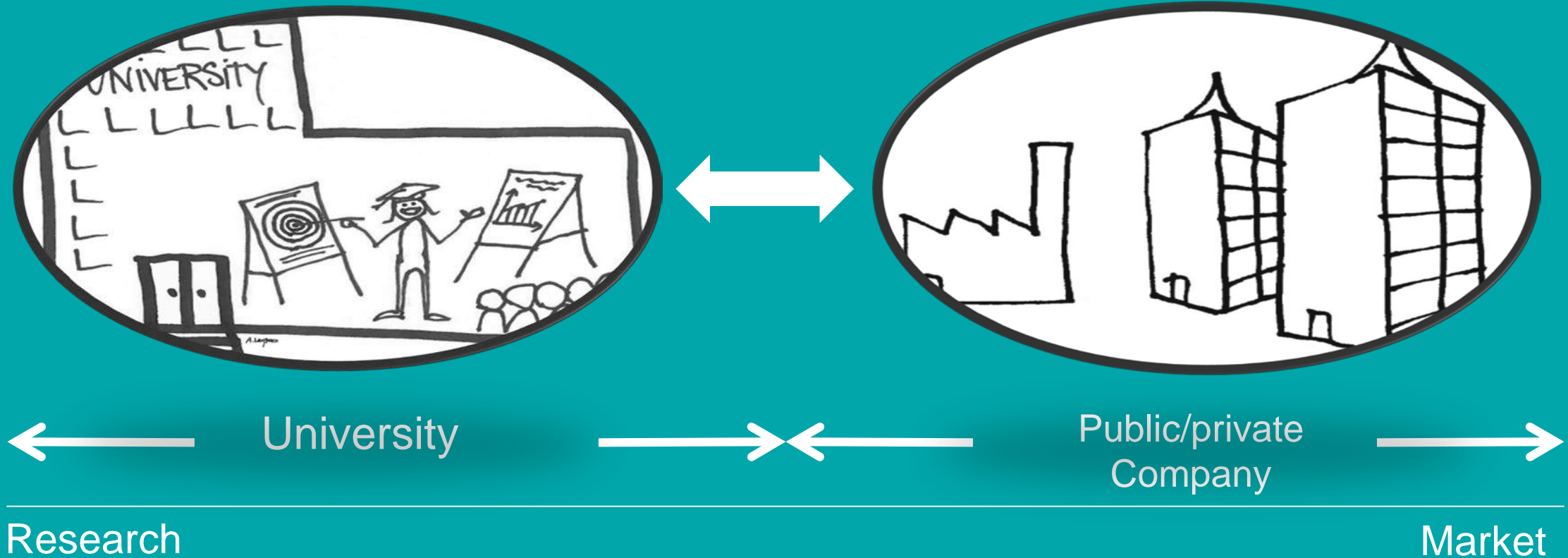
3

entries



# Focus across the entire value chain

Bringing academia and industry together



# Three entries



And our international engagement

# How do we select projects ?



**Research &  
Innovation**



**Value  
creation**



**Benefit to  
society**

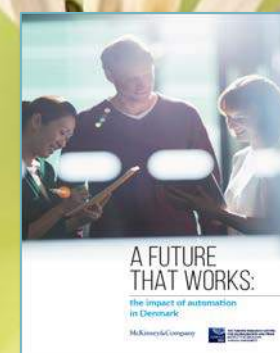
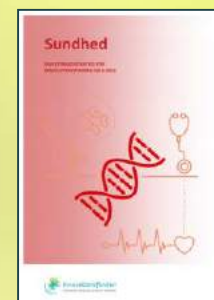
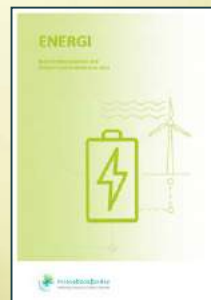


**Societal  
readiness**





# Investment strategies – guiding our applicants



# Grand Solutions 2018 Calls

## Green Growth

Energy, Environment, Organic food, Circular Economy and Bioresources

**211,3 mDKK**

## New Technological Opportunities

Cyber security, Energy Technology, Digitalization, etc.

**2 x 103 mDKK**

(two calls)

## Better Health and Clinical Research

Including a citizen-based and technology-supported health system, fertility and hormone disrupting substances

**148,3 mDKK**

## Future Society

**30,0 mDKK**

## Open call

**>93,0 mDKK**





# The way forward - 2018

Green Growth  
211 mio DKK

New Tech Opportunities  
103 mio DKK

Health and Clinical  
Research  
148 mio DKK

Early December



**February 20th**



May



Early June



Thematic Calls

**Deadline**

Interview

Decision

Open Call  
>90 mio. DKK

New Tech Opportunities  
103 mio DKK

Future Society 30 mio.  
DKK

Mid February



**August 14th**



October



November



Open call

**Deadline**

Interview

Decision



# Patient@home

How did it go?

**The journey from 2012 – 2018**  
**with a change in funding agency to IFD**  
**which have very different success criterias**



# Positive observations

**Patient@home have ...**

- **created political awareness and traction in the field**
- **created a true global brand name**
- **established a unique know-how base**
- **opened a network for testing novel welfare solutions**



**And in all fairness ... was not born from an Innovation Fund program**



# Patient@home – other observations

Patient@home did ...

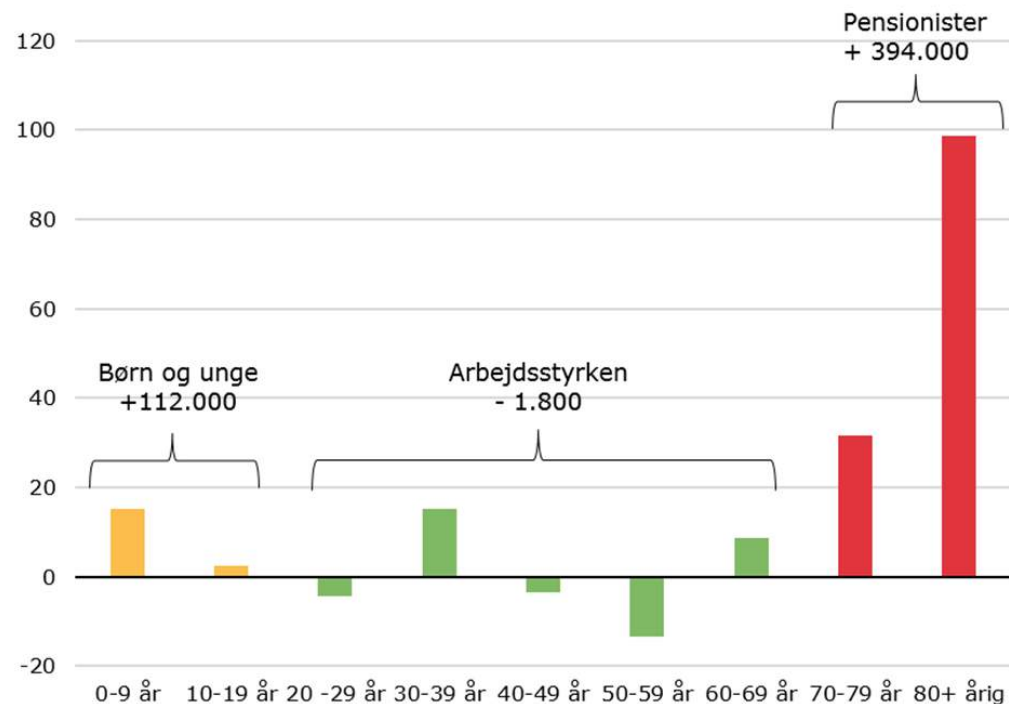
- not have a governance model built for "success"
- was regional – and not national/global. Too much FOF and weak on state-of-the-art analysis
- re-invent stage gate models and had personnel turn-over issues
- not have implementation success: Too few solutions in actual use or close to
- What was the return of investment the Danish tax payer got here?



# Megatrends

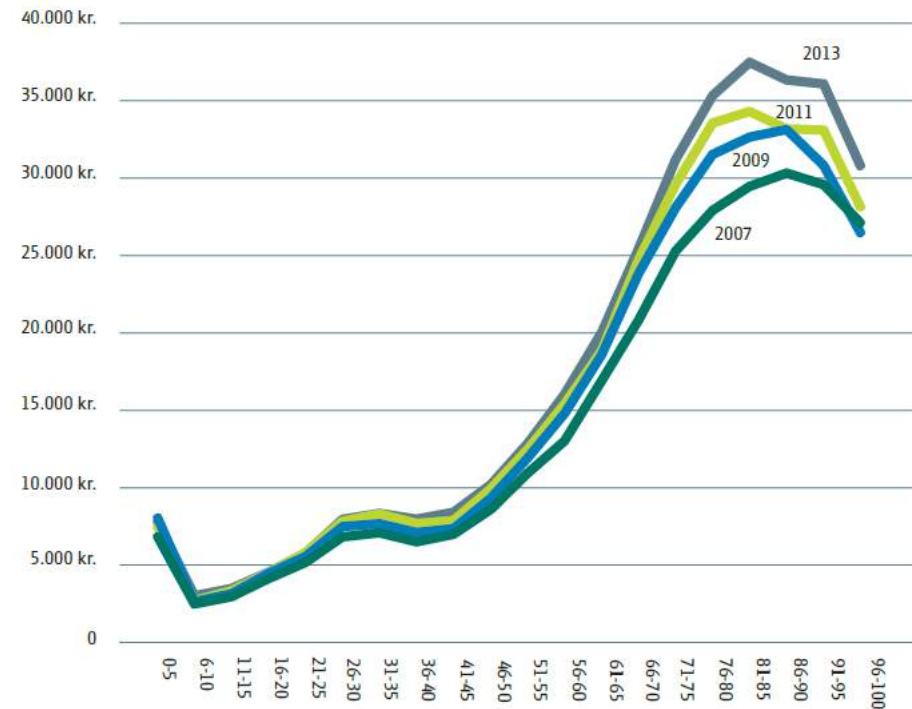
## Demographic changes – a major toll on the public budget

Den procentvise ændring i antallet af borgere i Danmark fra 2016 til 2036 fordelt på aldersgrupper.



Figur 3 **Højere udgifter til ældre**

Gennemsnitlige sygehusudgifter for 5-års aldersgrupper



Note: 2015-priser.

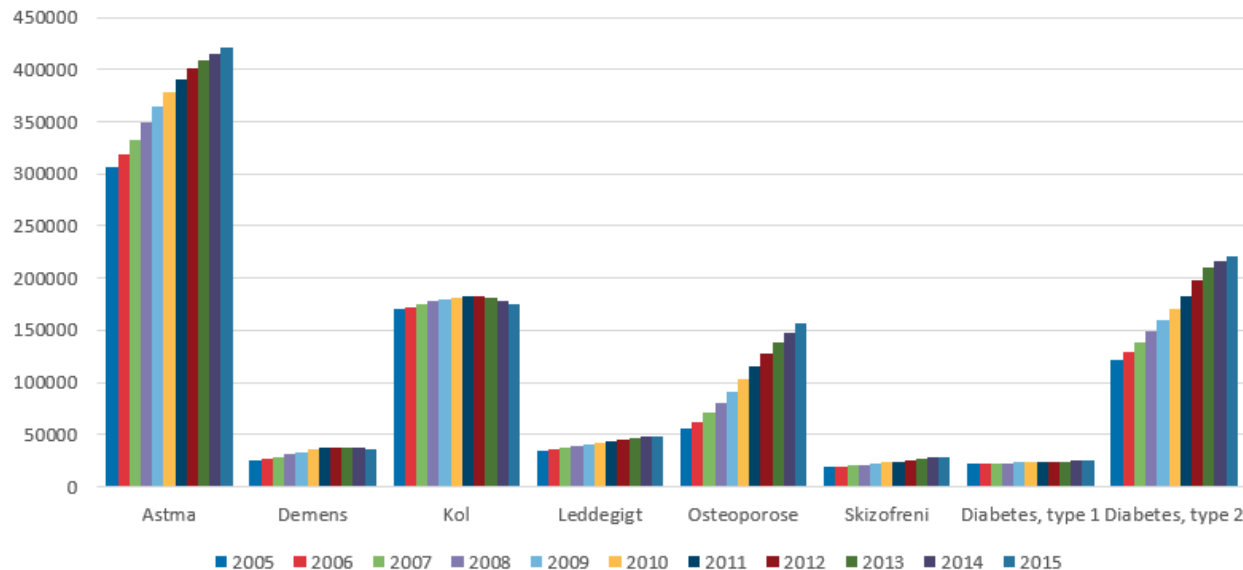
Kilde: Landspatientregisteret.



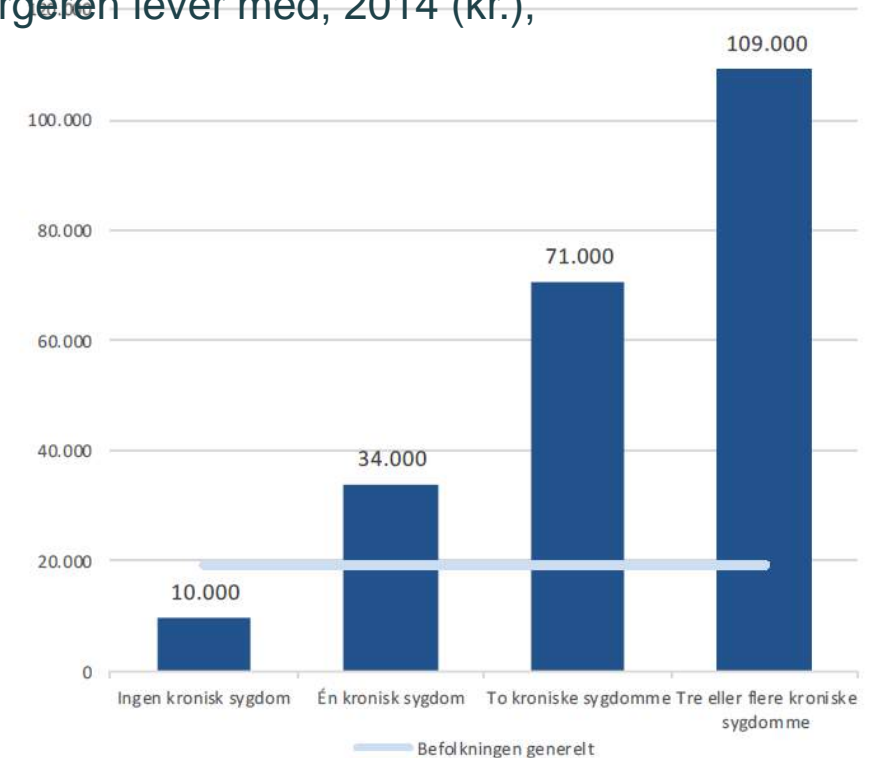
# The cost of Multiple Chronic Conditions (MCC)

MCC pose a significant and increasing burden on the health of Danes

Udviklingen i udvalgte sygdomme 2005-2015,  
antal personer med sygdomme i Danmark



Gennemsnitlige regionale sundhedsudgifter pr. borger med udvalgte kroniske sygdomme (KOL, leddegigt, knogleskørhed, type 1 og 2 diabetes, hjertesvigt og astma.) fordelt efter antallet af sygdomme, som borgeren lever med, 2014 (kr.),



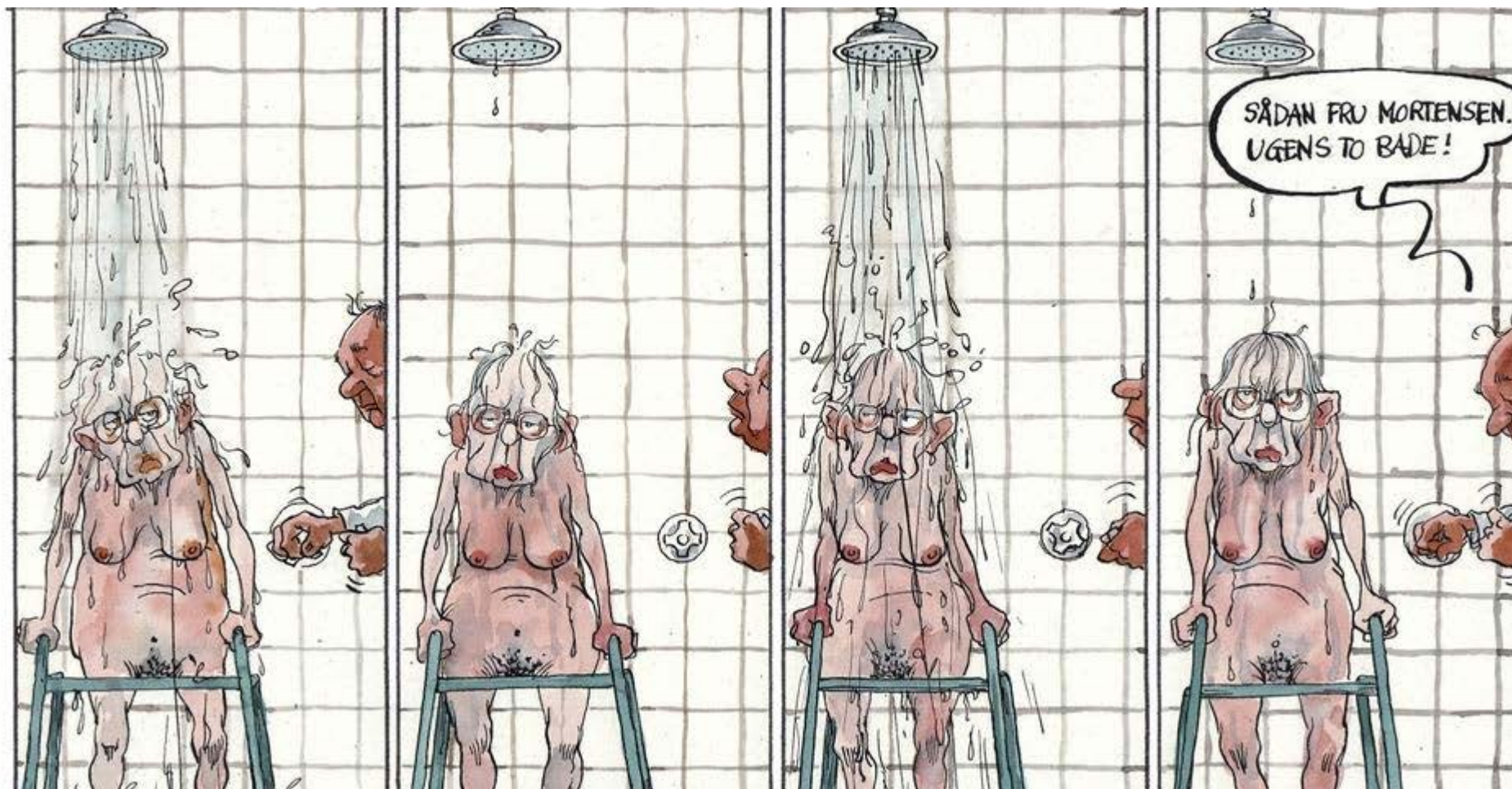


# A burning platform

Needs ...



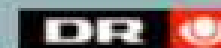
# Are we OK with the service level?



## Udgifter per ældre over 65 år



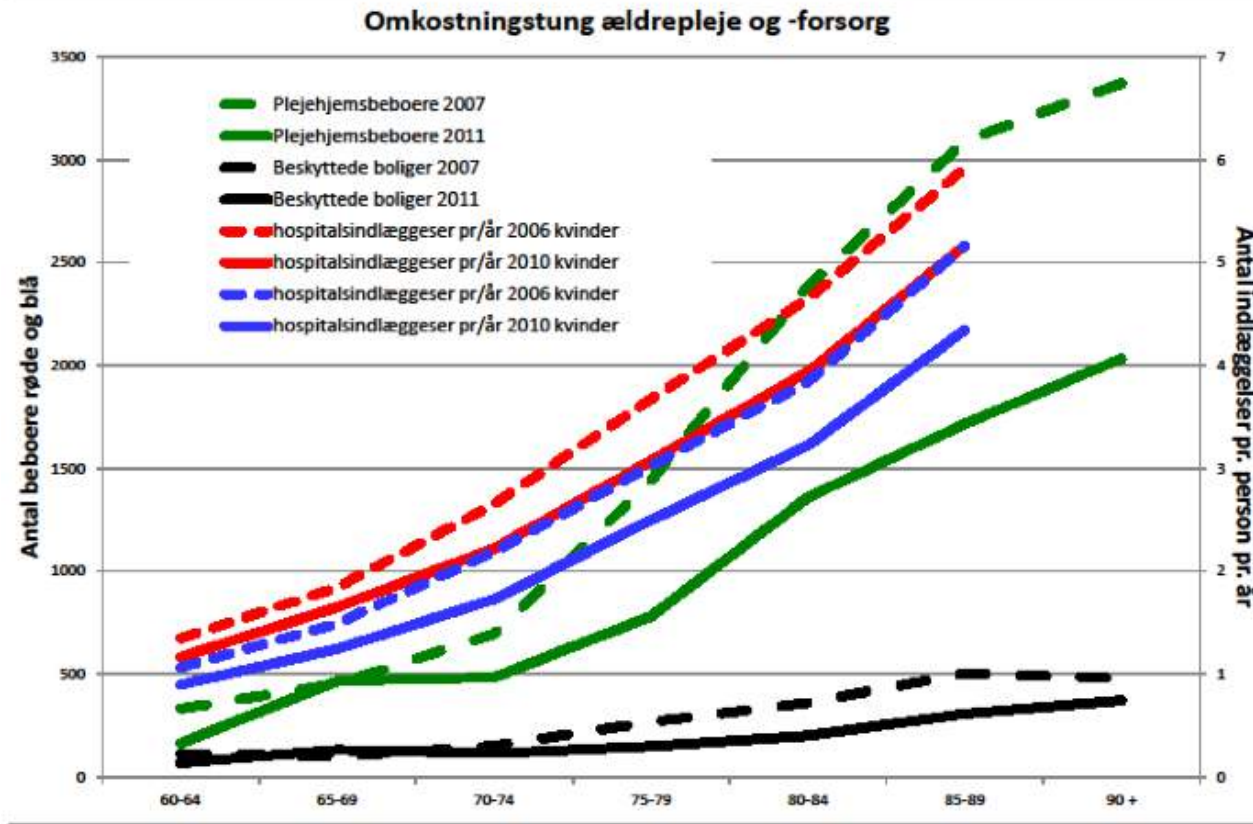
Kilde: KL, Danmarks Statistik og egne beregninger | Grafik: Mads Rafte Hein





# A burning platform

There are clear needs and a beneficiary end-user



## Læger bekymrede: Supersygehus har få senge

Læger er bekymrede for at det nye supersygehus i Odense, 'Nyt', har for få sengepladser, og at patienter derfor vil vente længe handling.



## Fynboerne besøgte Nyt OUH: Bliver der senge nok?



**Deal.dk**

**Giv din krop balancen tilbage**  
Få styr på, hvad der skaber ubalance i din krop og gendef balancen hos Klinik Bella

**270 kr.**

**-40%**

**Mest læste**

27. januar 2018  
Se alle billederne fra kåringen af Årets Fynbo

27. januar 2018  
Den er god nok: Langt lys



# The Grand Solution Call

We welcome welfare projects and “application-oriented and practice-oriented research in a citizen-based and technology-supported healthcare system”

- **Should be based on front line research and global bench mark**
- **Focus on challenges – some call it “strategic research” – and how it can be translated to value**
- **Always have the “receiving end” involved in the project (regulators, payors and users)**
- **Use of advanced IT tools to predict how resources are prioritized**



# The Grand Solution Call

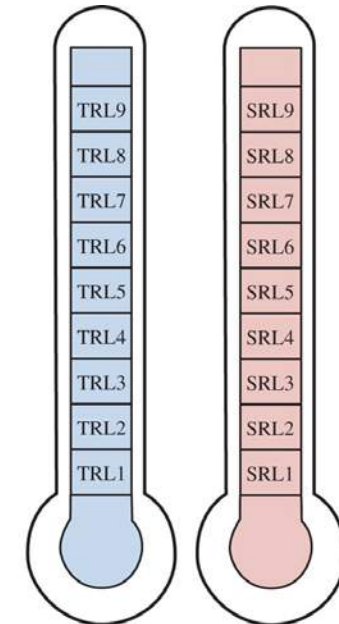
Some specific patient@home tips....

- Find the best partners for the specific project
- Deal *head on* with the specific barriers of implementation
  - Tender processes, not invented here, change management, training, cost of change, etc.
- Understand the regulatory demands
- Be very aware of BOTH TRL and SRL – Societal Readiness Level
- Use a governance model built for success – who benefits from the project?
  - *What is the return of investment for society?*



## technology readiness levels

TRL9 operations  
TRL8 active commissioning  
TRL7 inactive commissioning  
TRL6 large scale  
TRL5 pilot scale  
TRL4 bench scale research  
TRL3 proof of concept  
TRL2 invention and research  
TRL1 basic principles



## societal readiness levels

SRL9 normal practice  
SRL8?  
SRL7?  
SRL6?  
SRL5?  
SRL4 experience...  
SRL3 demonstration...  
SRL2 scenarios  
SRL1 basic principles



# Thx for your attention

