



Healthcare
DENMARK
INNOVATING BETTER LIFE

The Danish Healthcare System and Danish Healthcare Initiatives

Hans Erik Henriksen,
CEO
Healthcare DENMARK

Agenda

- Organisation of the Danish Healthcare System
- Facts and Financing in Danish Healthcare
- Priorities of the Danish Government
- The Primary and Coherent Healthcare System

The Danish Healthcare System

Basic Features

Universal Coverage

**Financed by general
taxes**

**Free & Equal
Access**

**A high degree of
decentralization**

Organization of the Healthcare System



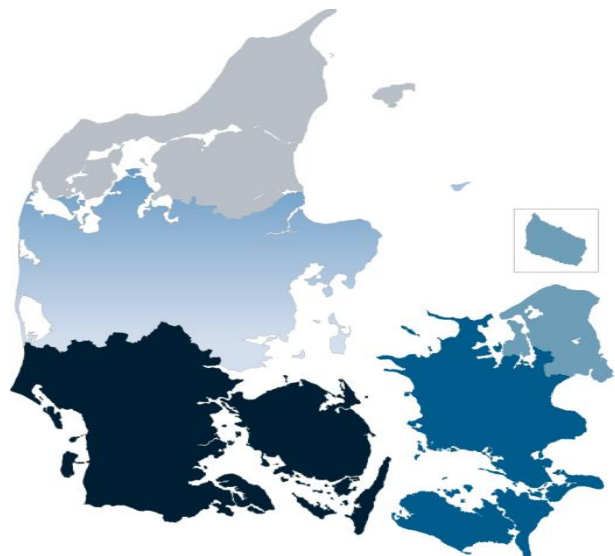
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National Level



Ministry of Health

Regional Level



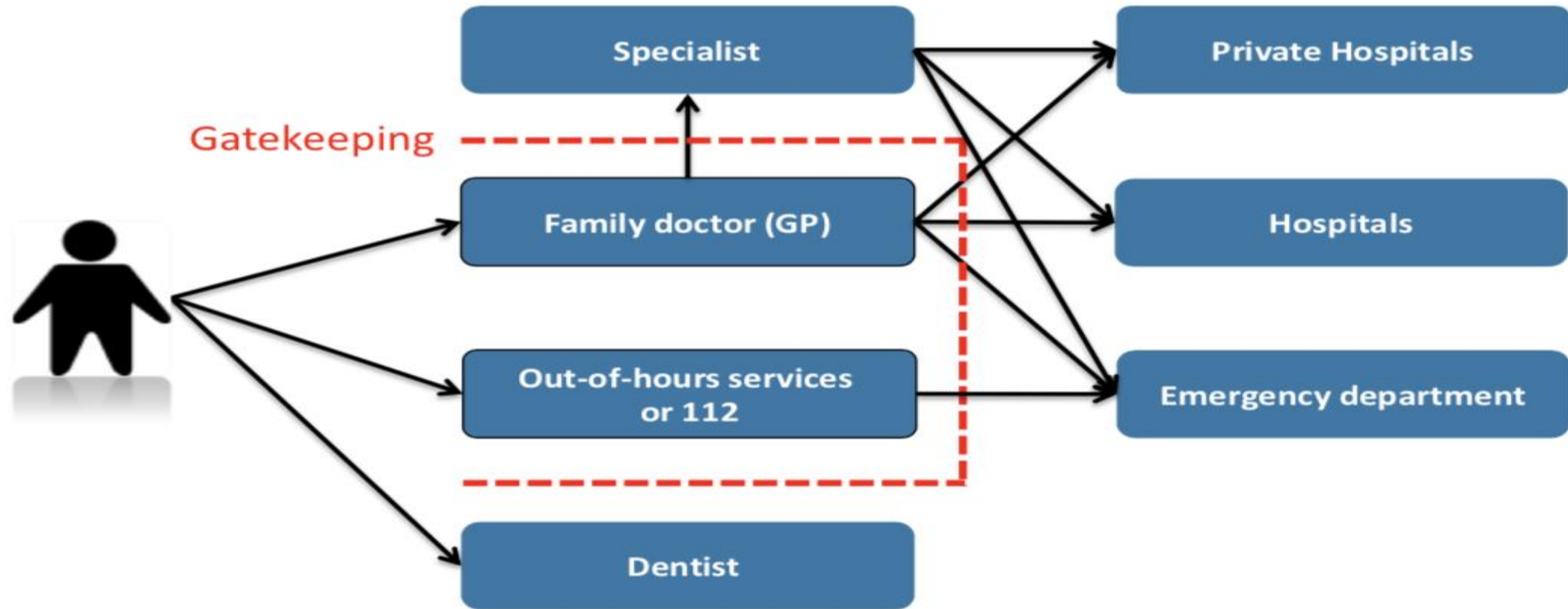
5 Regions

Local Level



98 Municipalities

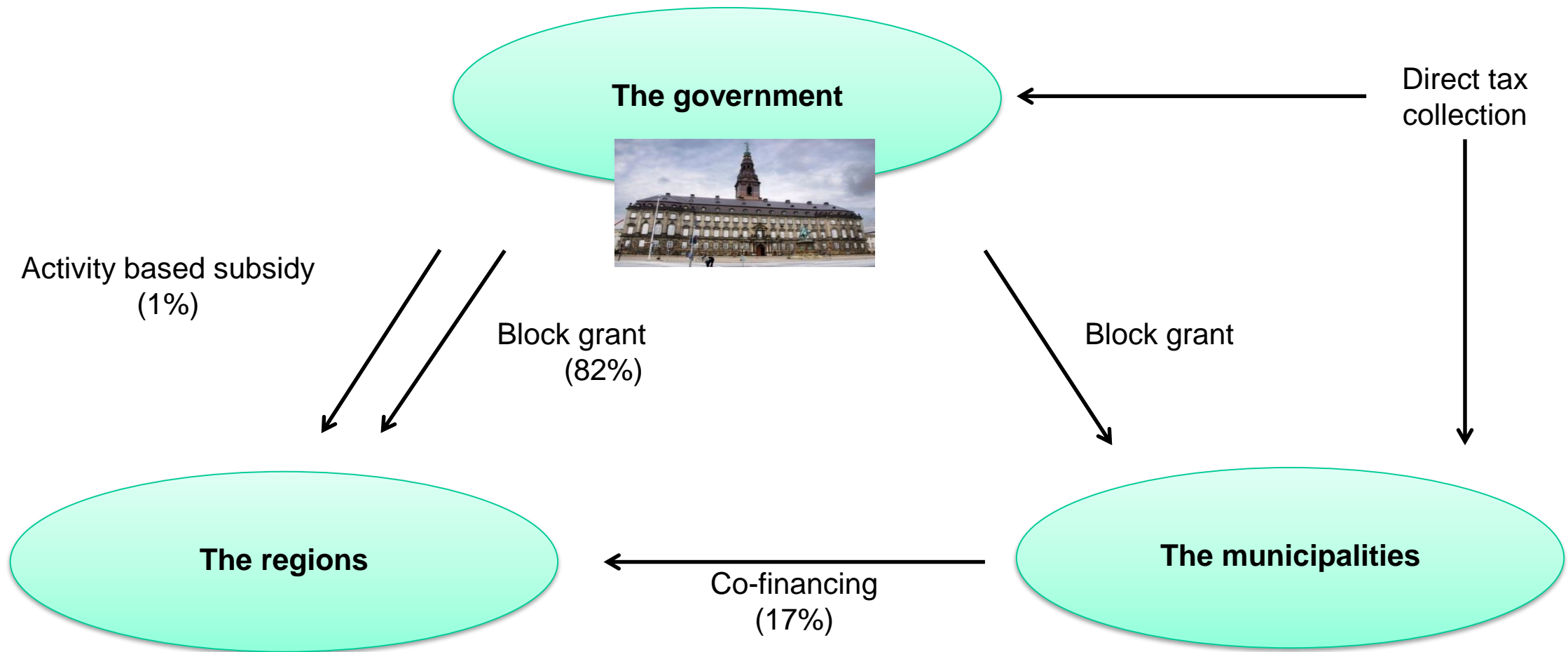
Where to go if you get ill?



- About 3500 GPs in Denmark covering 5.7 m people
- 1600 patients per GP
- 85 % of the population in contact with GP once every year
 - Average Danes have 7 contacts with their GP annually
- Accessibility between 8 am - 4 pm – Monday to Friday
- Traditionally GPs were working alone – today more and more GPs prefer working together

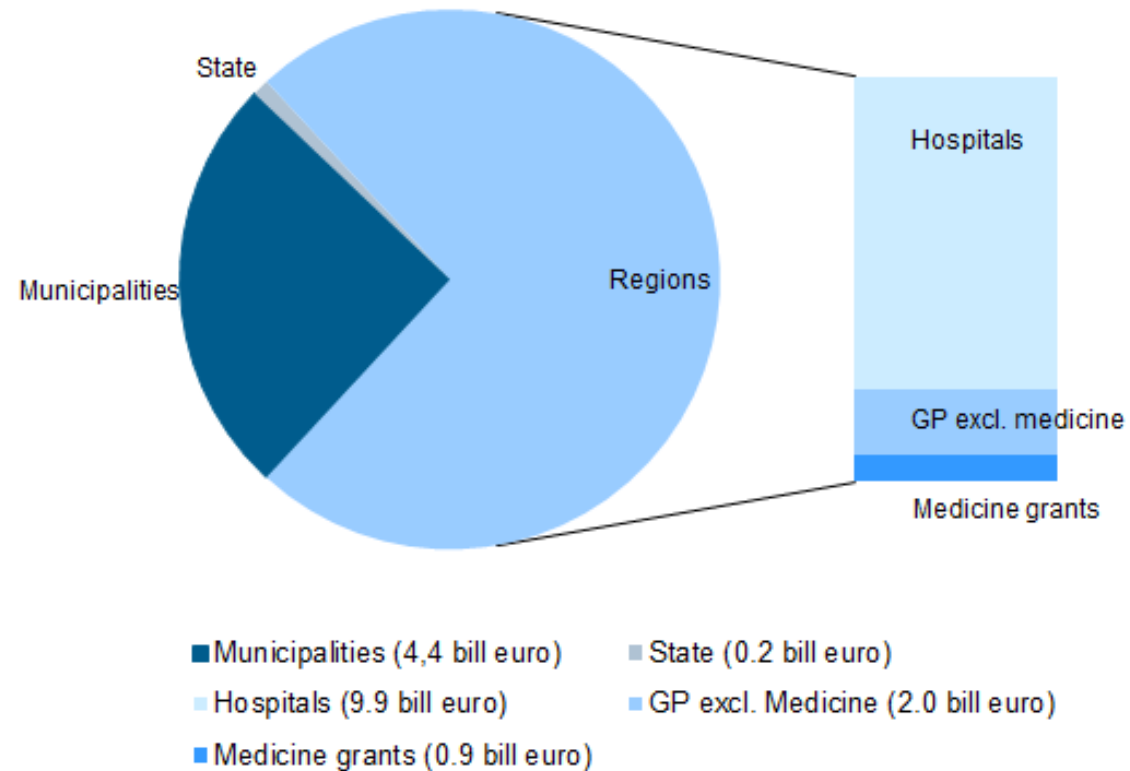


Financing Healthcare



Introduction - Expenditures in Healthcare

Public expenditures on health in general



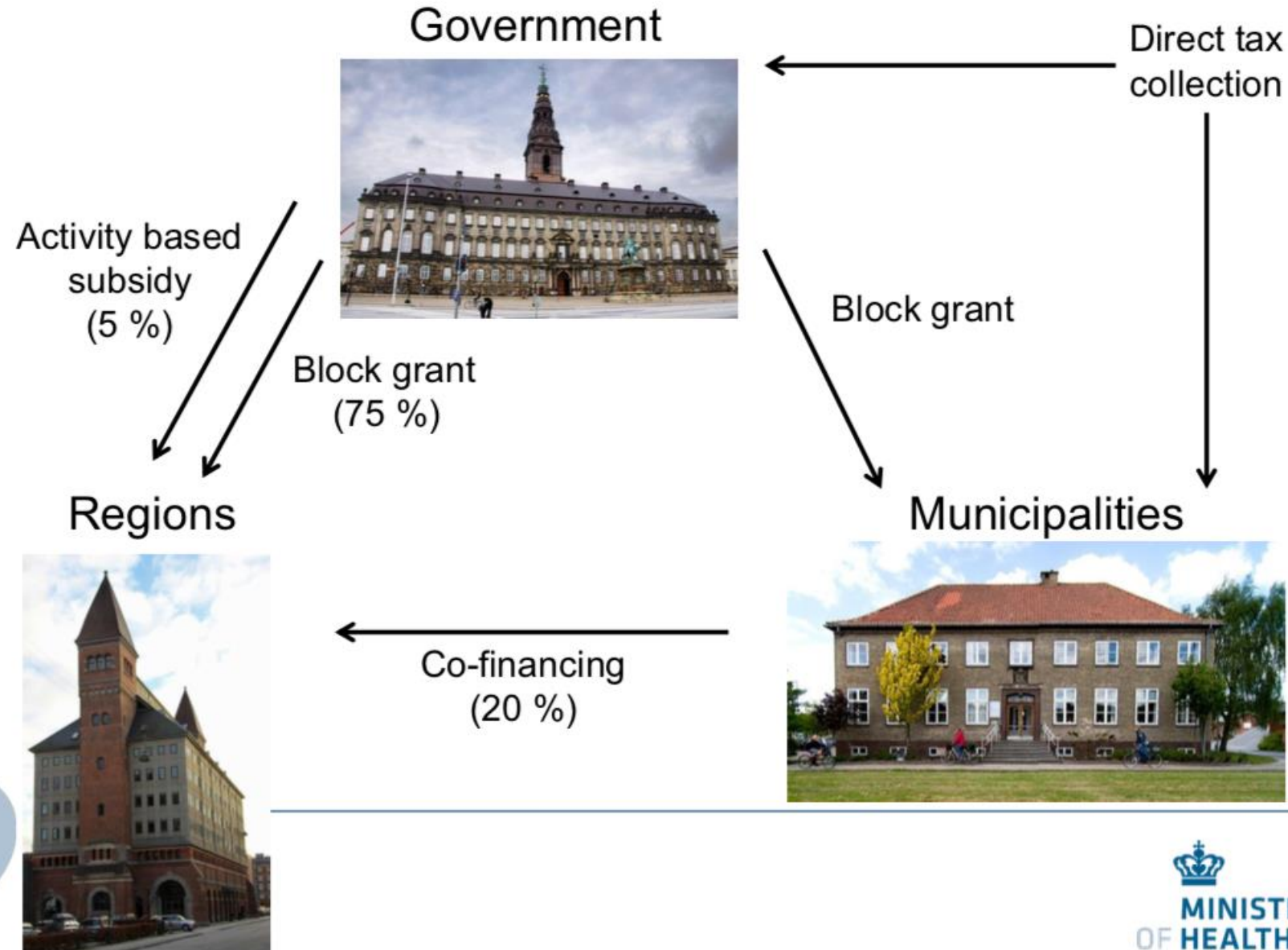
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Financing Healthcare



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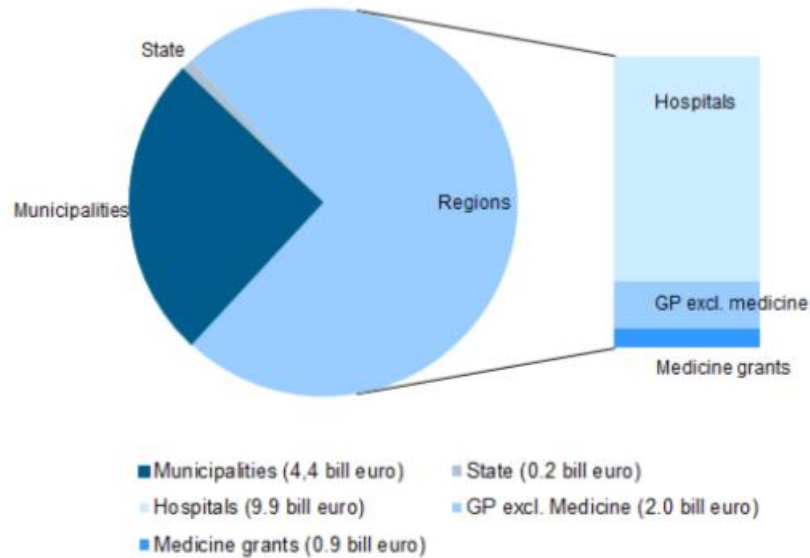


Financing Healthcare

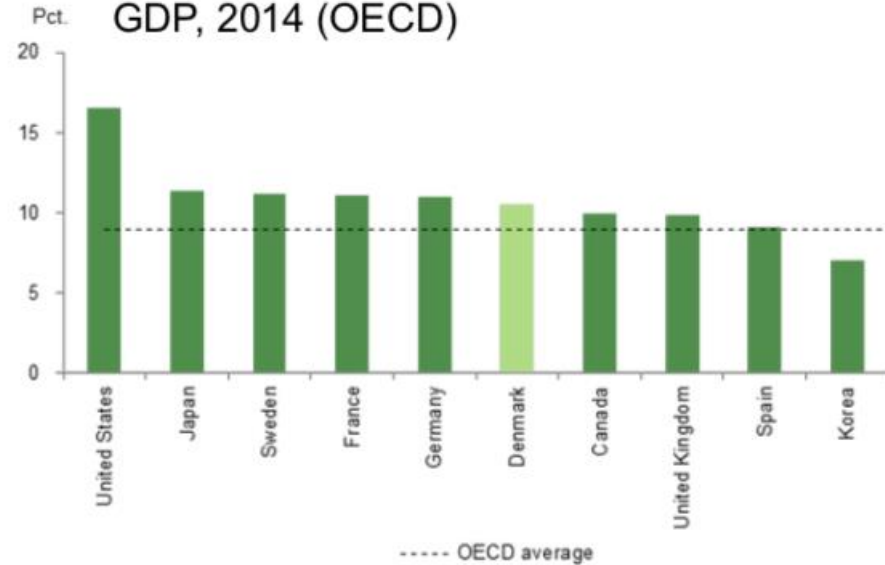


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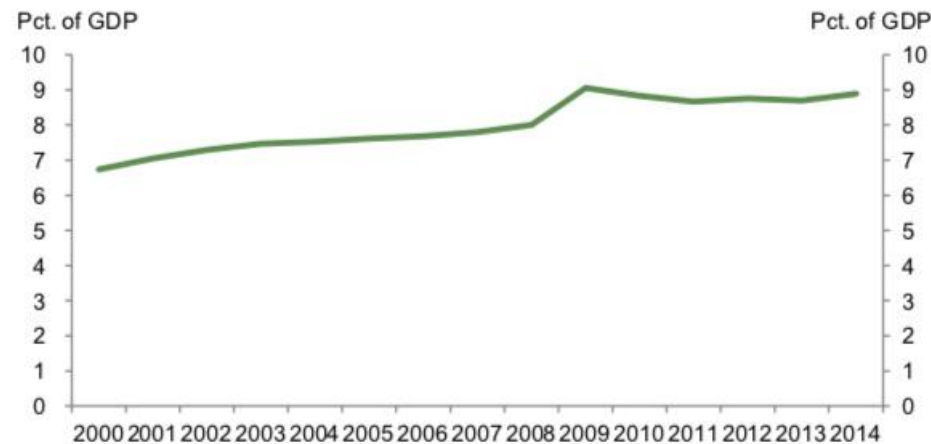
Public expenditures on health in general



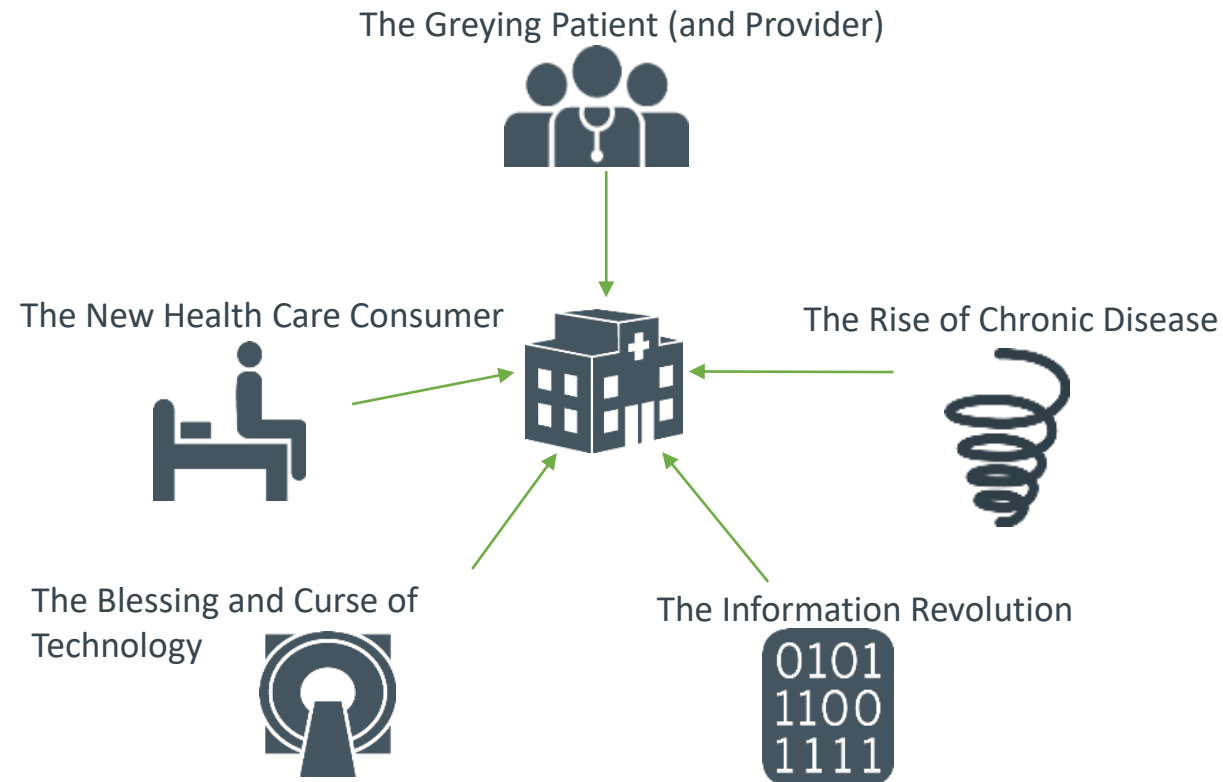
Total expenditures on health as share of GDP, 2014 (OECD)



Total expenditures on health as share of GDP, Denmark 2000-2014



Healthcare challenges



This calls for:

- More and better healthcare at the same level of expenditure

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Priorities of the Danish Government

1. Non-communicable diseases and cancer
 - New national Cancer Plan IV
2. Improve treatment and care for people with dementia and their relatives
 - Launch of new national action plan in 2016
3. Primary and coherent healthcare system
 - Integration of primary healthcare, community-based services and hospitals



Cancer Plan IV

- Strong political focus on fighting cancer
 - Challenges: Ageing population, smoking
- National Cancer Plan IV
- People-centered approach that aims at:
 - Improving quality of care
 - Preparing for demographic changes



Approach to developing such
strategies and plans:
INVOLVEMENT

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- **The Primary and Coherent Healthcare System**

Special Committee of the Primary and Coherent Healthcare System

The Committee has presented proposals to secure:

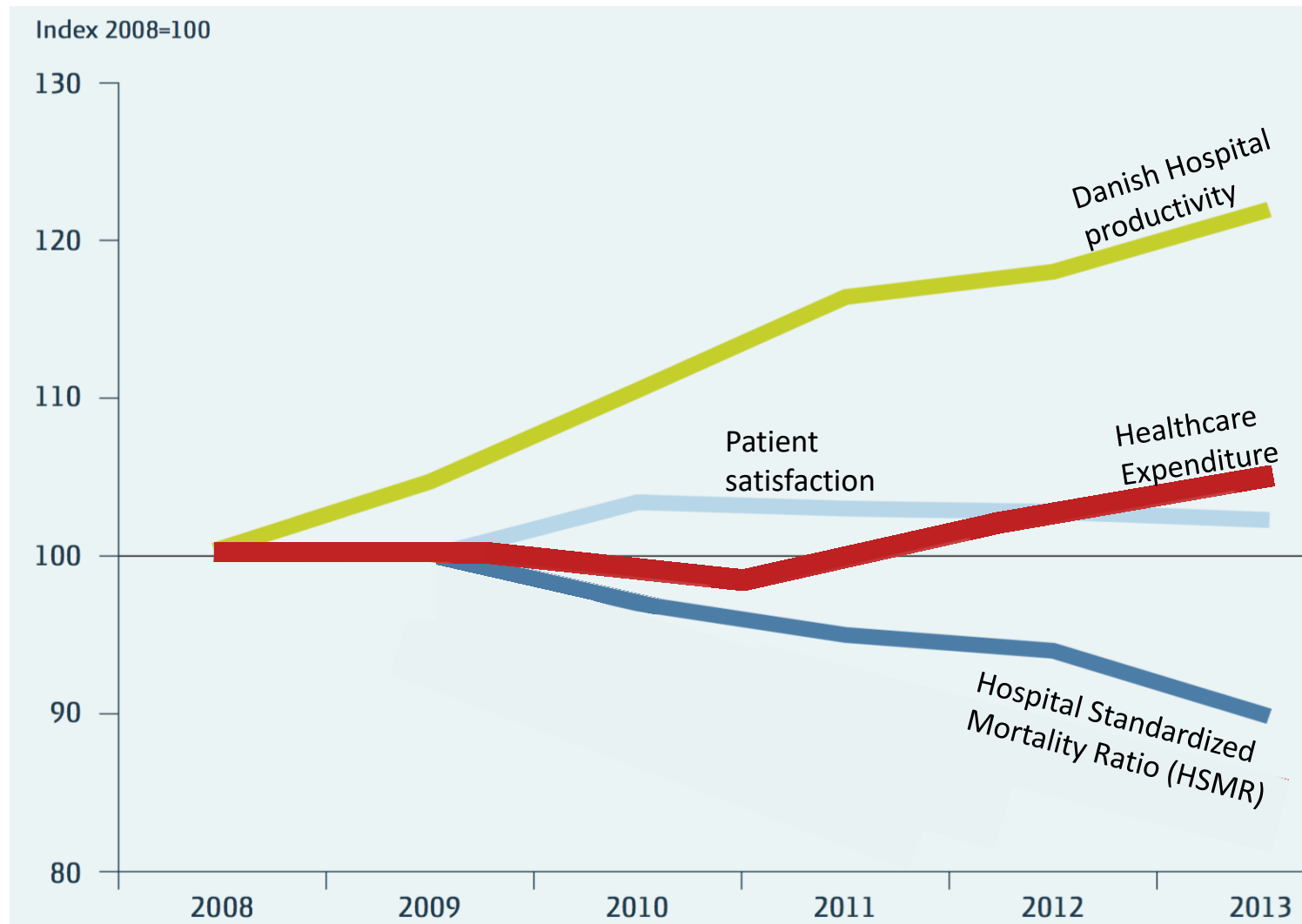
1. Coherence across sectors
2. Qualifications and skills in the primary sector
3. Consistent quality across the country
4. Better data and better data flow across sectors



What are we already doing?

- Health agreements
- Course plan for treatment
- Course coordination functions
- Better use and flow of data across sectors

Danish citizens are happy with their lives and with healthcare services

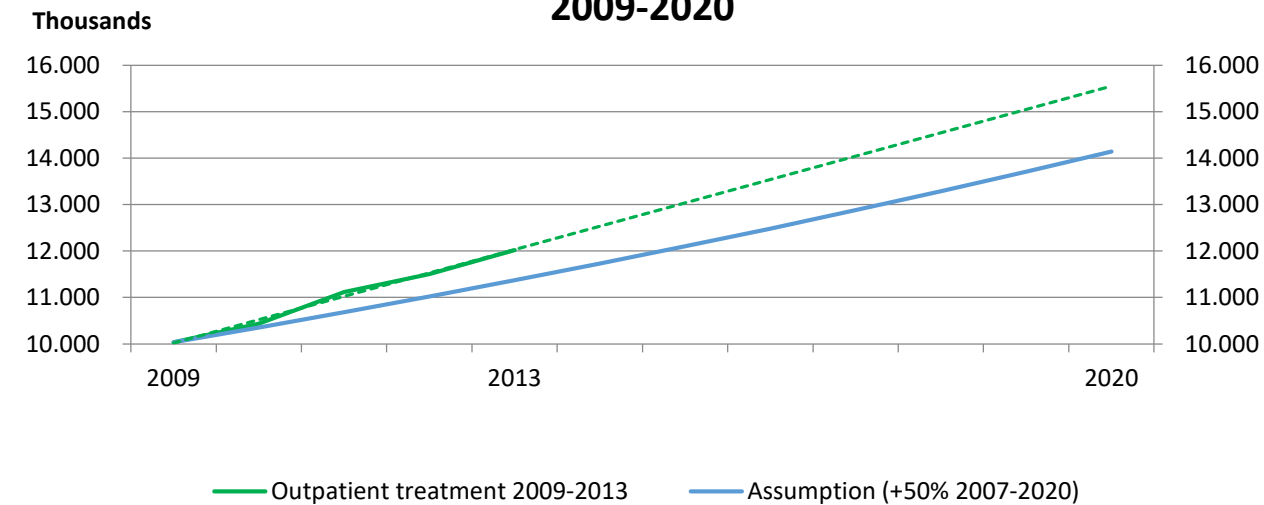


Outpatient treatment vs. inpatient treatment

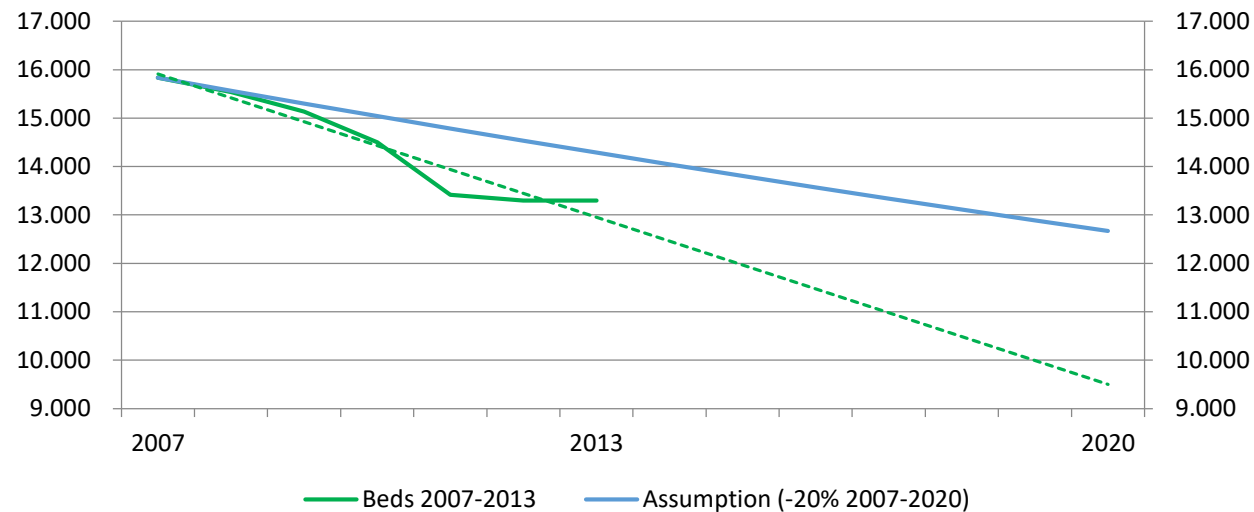


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Outpatient treatment 2009-2020



Beds 2007-2020

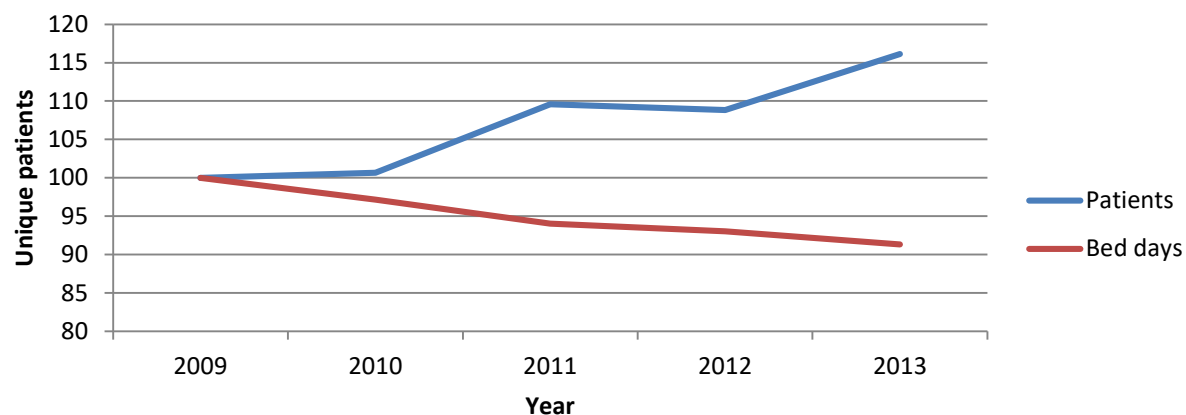


Unique patients vs. bed days (2009 = index 100)

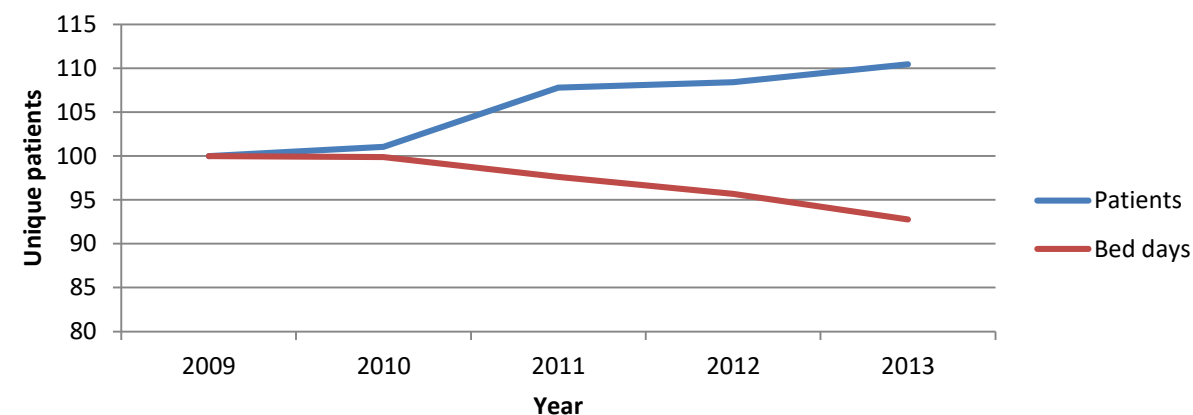


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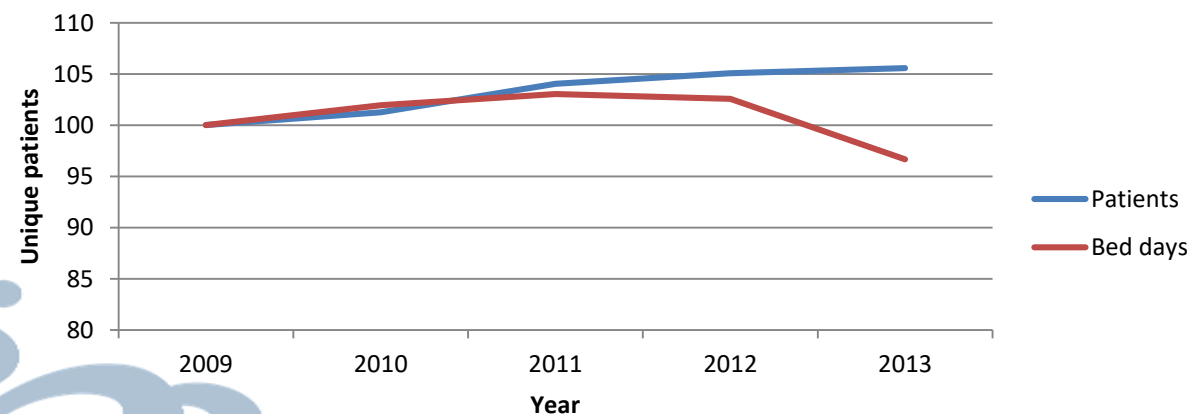
Cancer



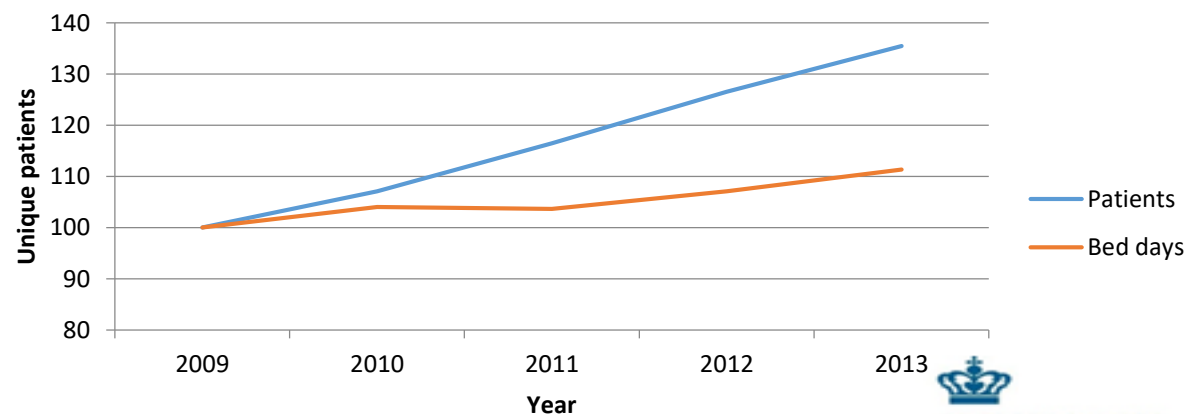
Cardiovascular diseases



COPD



Type II diabetes



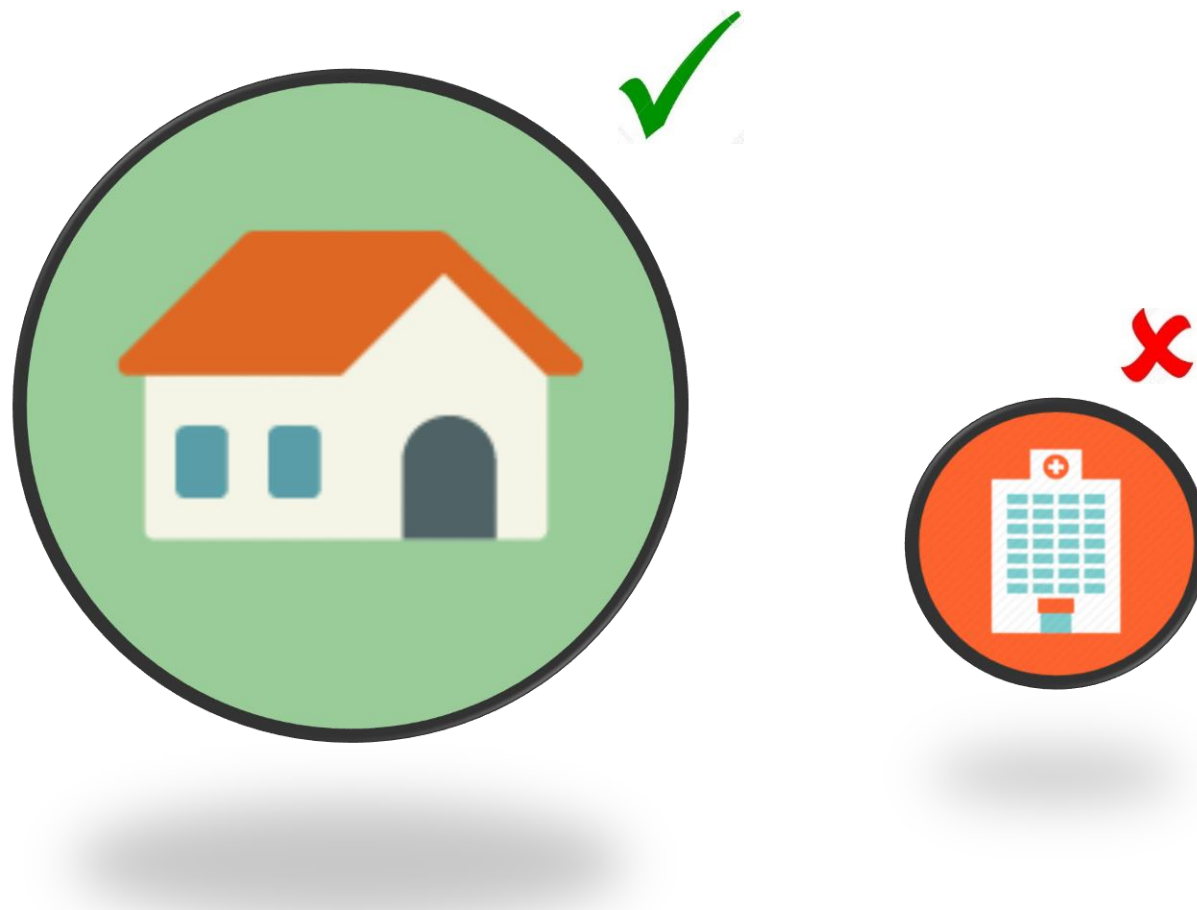
The future goals are

- To create a healthcare system that prioritizes the integration of primary healthcare, community-based services and hospitals.
- To strengthen the healthcare services
 - Outside of the hospitals
 - Closer to people's homes
 - The most cost-effective level

Example:

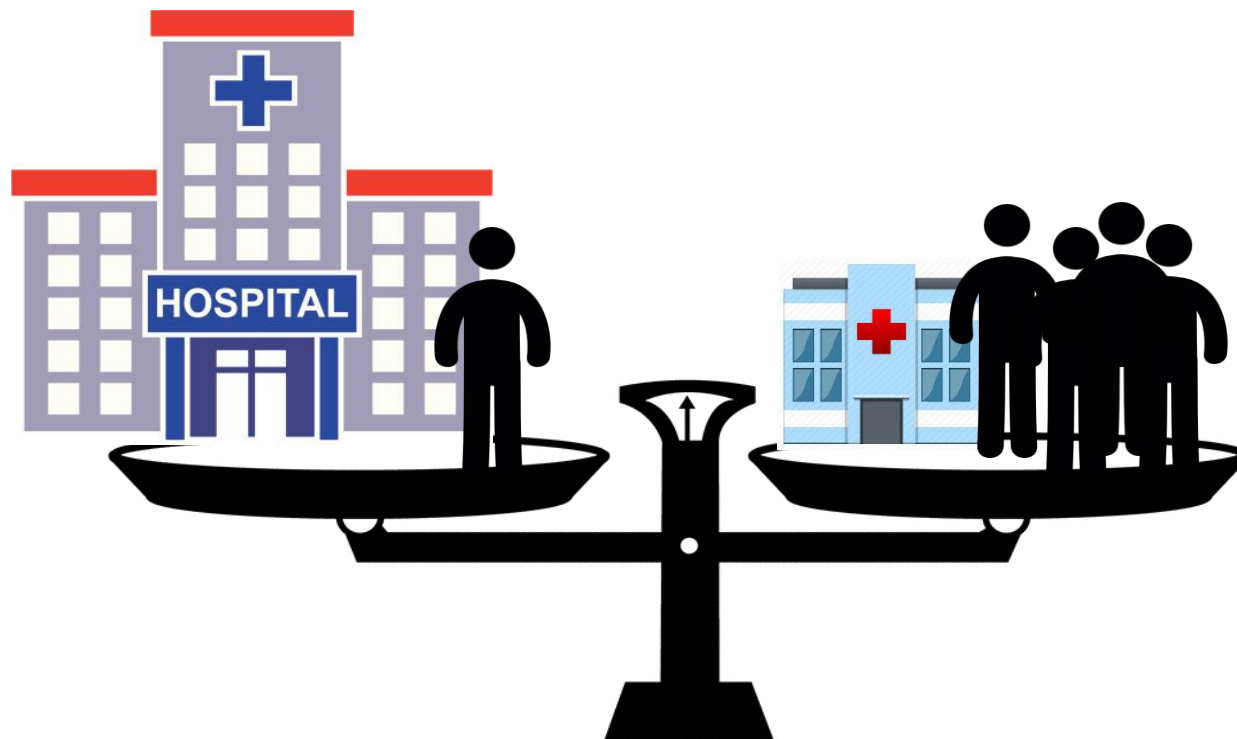
- GP's as responsible for patients with most common chronic diseases (Case management e.g. nurses with special skills)





OUR VISION: STAY AT HOME

A coherent and sustainable healthcare system:
Health care for all at the lowest effective cost level



The National Diabetes Action Plan



**12 initiatives
to reduce the
Impact of
diabetes**

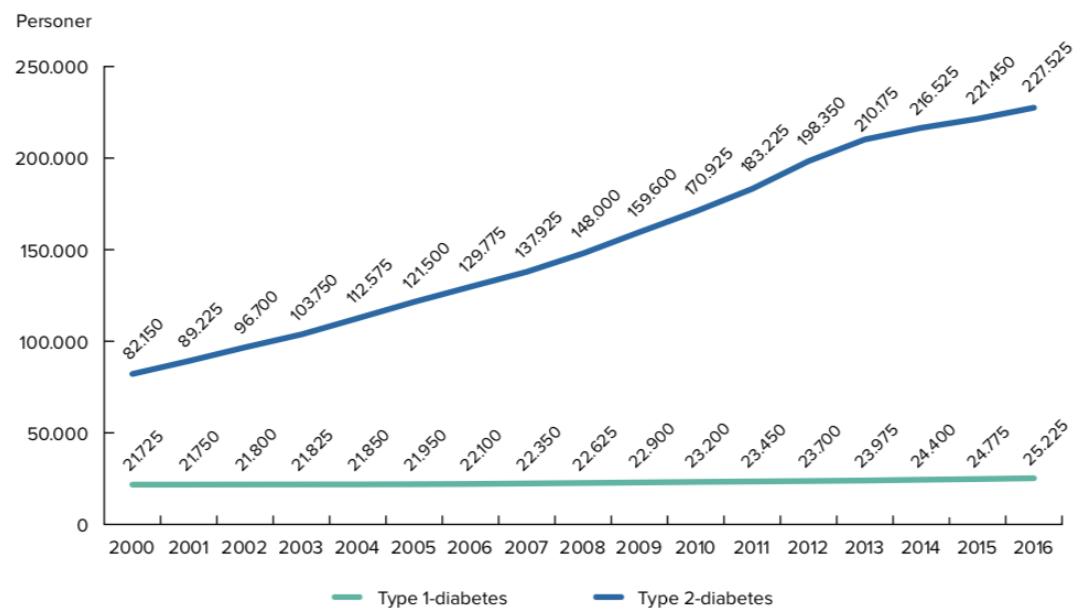
2 Oversigt over initiativer i den nationale diabetesbehandlingsplan

<p>Diabetes skal forebygges op opdages tidligere</p> <p>INITIATIV 1 Styrket forebyggelse af diabetes i kommunen</p> <p>INITIATIV 2 Tidligere opsporing af personer med type 2-diabetes</p> <p>INITIATIV 3 Målerettede opsporing af type 2-diabetes i relevante grupper</p> <p>INITIATIV 4 Sunde fødevarer til mennesker med diabetes</p> <p>Styrket indsats for børn og unge med diabetes</p> <p>INITIATIV 5 Støtte og rådgivning til familier med diabetes tæt inde på livet</p> <p>INITIATIV 6 Ung med diabetes</p> <p>INITIATIV 7 Adgang til behandlingsredskaber</p>	<p>Behandlingen skal indrettes efter den enkelte</p> <p>INITIATIV 8 Mere individuelle behandlingsforløb</p> <p>INITIATIV 9 Styrket indsats for de særligt sårbare diabetespatienter</p> <p>Alle patienter med diabetes skal have adgang til behandling af samme høje kvalitet</p> <p>INITIATIV 10 "Samme dag under samme tag"</p> <p>INITIATIV 11 Al viden ét sted</p> <p>INITIATIV 12 Styrket samarbejde og kvalitet på tværs af sektorer</p>
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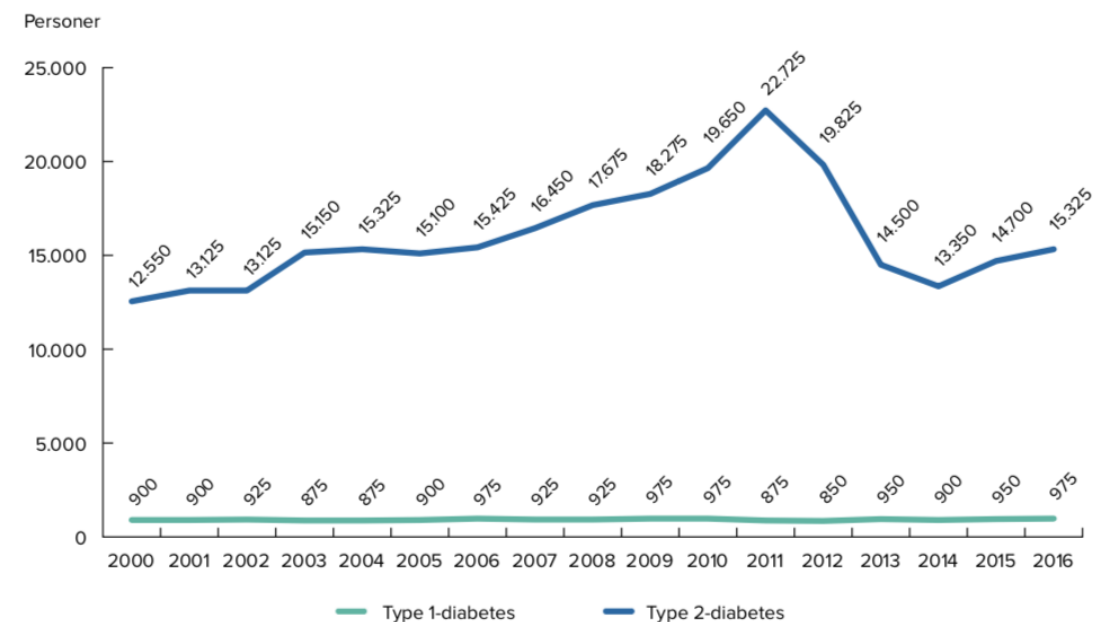
- Early detection and prevention
- Targeted efforts for children
- Individualized and tailored treatment
- Access to high quality treatment for all patients

The Diabetes challenge

The number of Danes with diabetes 2000 - 2016



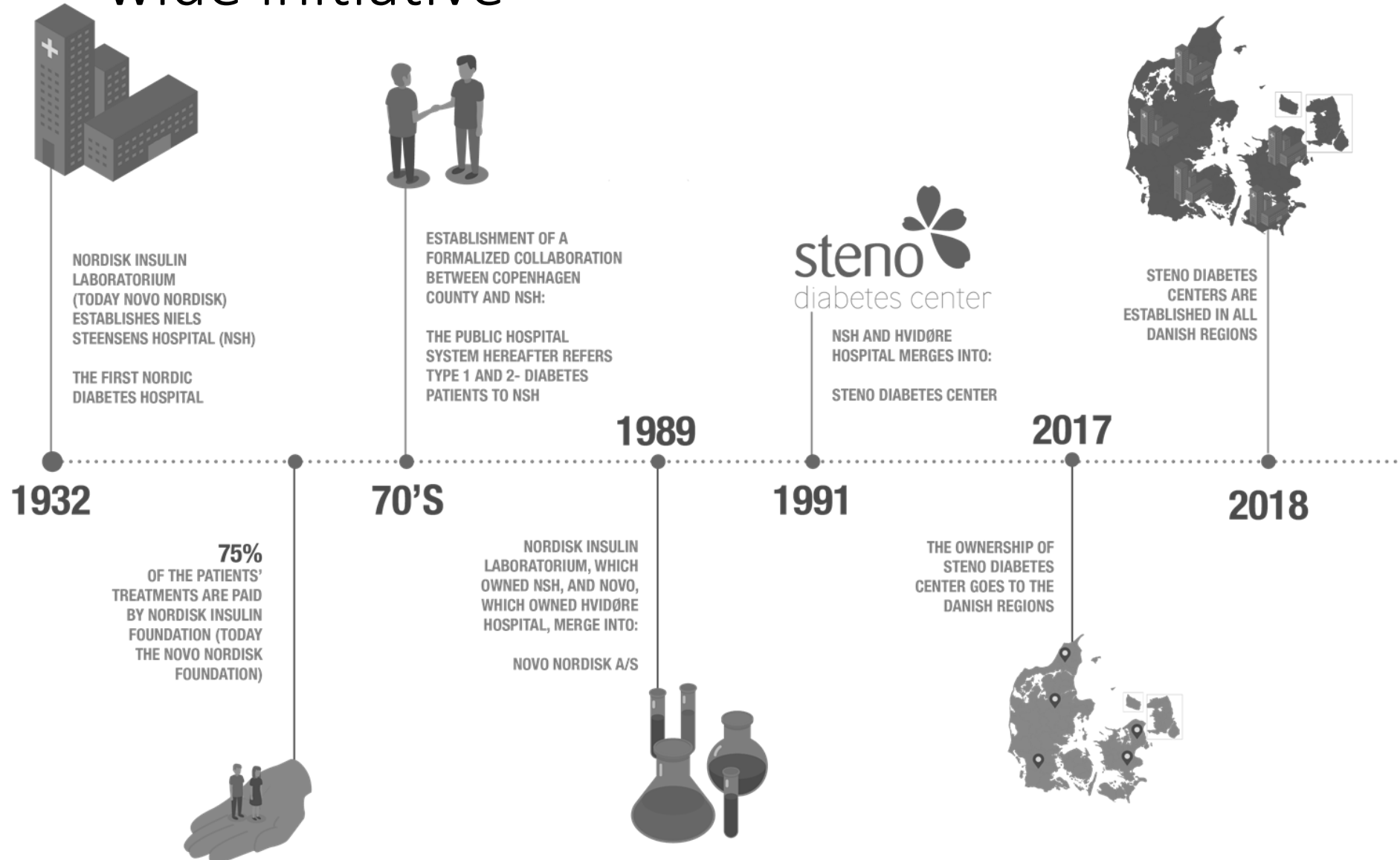
Newly diagnosed type-2 diabetes patients



The Diabetes Action plan emphasize prevention, early detection and compliance



Steno Diabetes center from hospital to country wide initiative



Five centers in public private partnership

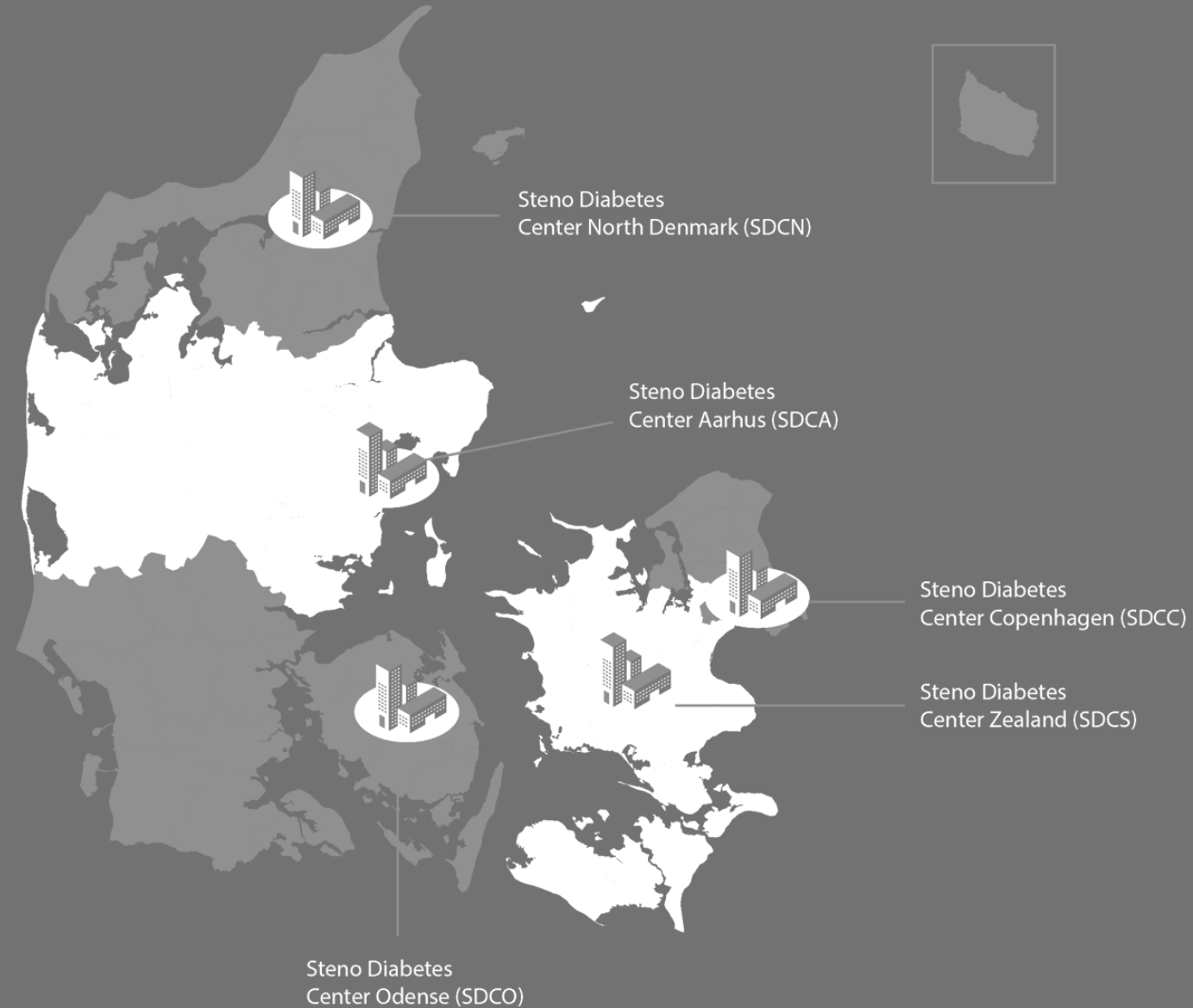
Funded by Novo Nordisk Foundation but owned by Danish Regions

Mission and objectives:

- Improve treatment of diabetes and prevent late complications
- Conduct patient-oriented research
- Make intersectoral collaboration and disease prevention
- Provide education

... to the benefit of both patients with diabetes and society

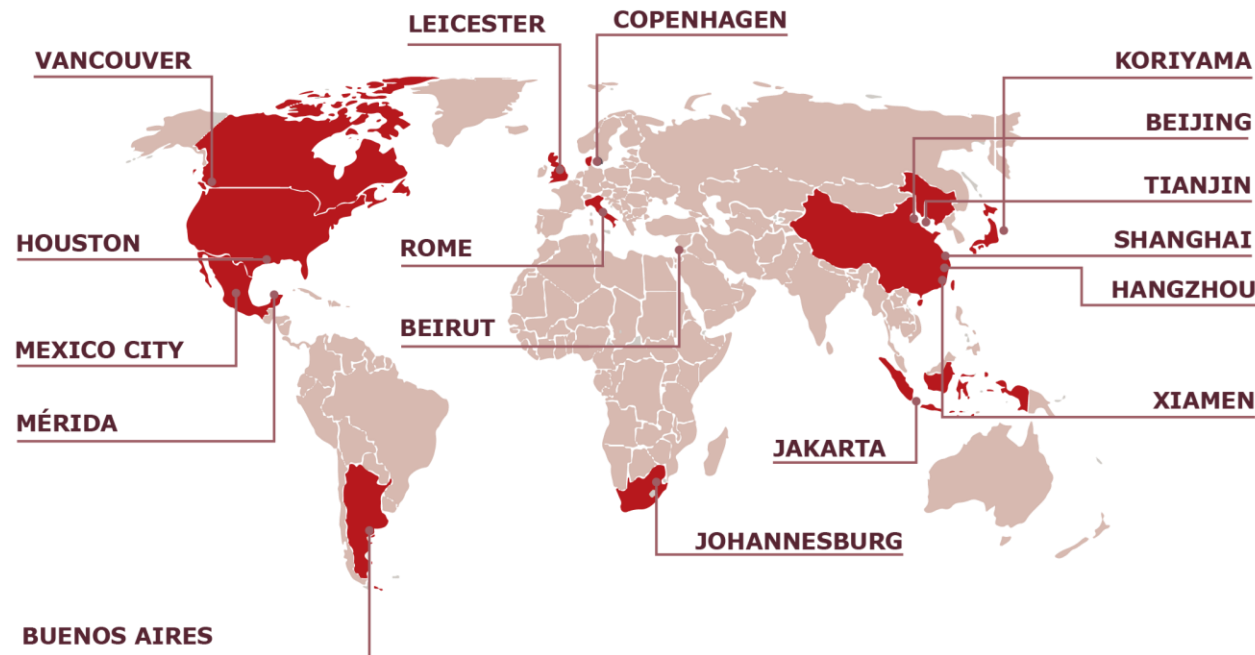
Five outpatient Steno Diabetes Centers



The Cities changing diabetes initiative

17 Partner cities

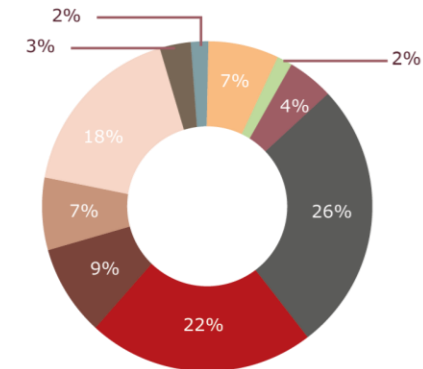
130 + million citizens



Founding Partners:

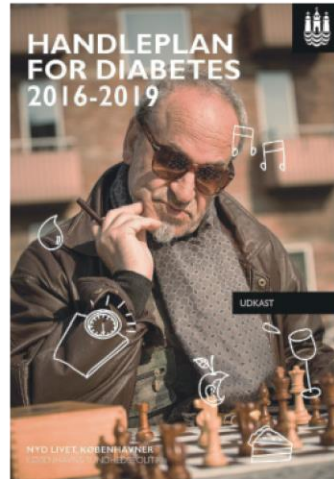


100 + partners involved across cities



- Private companies (5)
- Foundations (1)
- International NGOs (3)
- Local NGOs (18)
- Research organisations (15)
- Healthcare organisations (6)
- National governments (5)
- City governments (12)
- Media (2)
- Faith-based organisations (1)

Cities changing diabetes – Copenhagen initiatives







HEALTH AND CARE ADMINISTRATION RE-ORGANISATION

Centre for Diabetes Self-management support to patients

Primary prevention in the local community. Centrally orchestrated interventions and services with chronic diseases

CITIES CHANGING DIABETES ACTION TRACKS

1	2	3	4
			
MEN IN COPENHAGEN	HEALTH AND THE LOCAL COMMUNITY	MENTORING	GENERAL PRACTICE FOR ALL
Peers helping 'vulnerable' men (45+, at-risk) manage their health, engage in the local community (and potentially re-join the labour market)	Social network-based activities and environmental design to catalyse healthy living	Peer-to-peer navigation support for patients' interaction with health and social services	Modern health/social service house in 'vulnerable' area

DIABETES STRATEGY



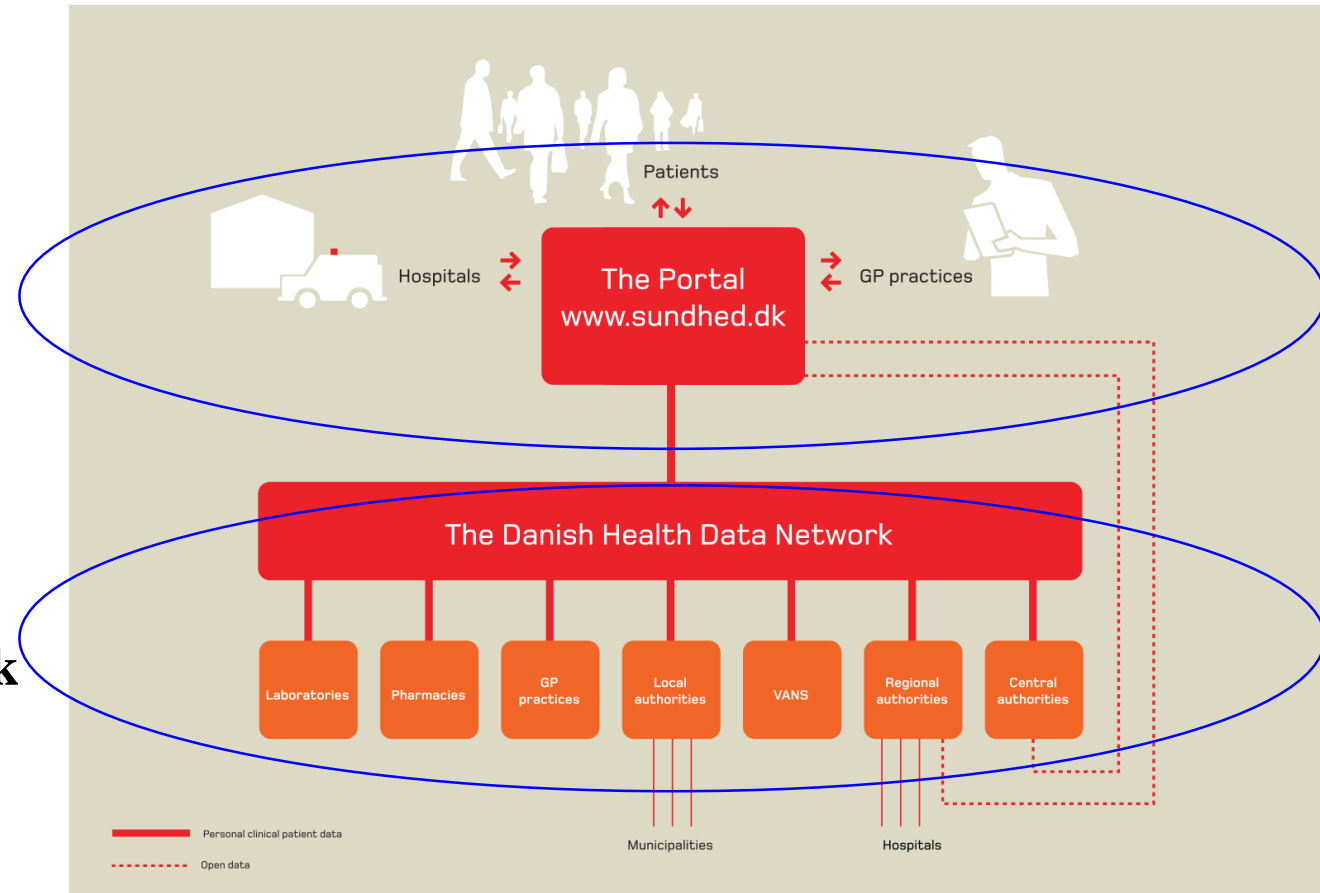
**cities
changing
diabetes**

A long term focus on health data networks and on e-health provide efficient access to healthcare information

The Danish Pharmacy Association
health Portal – sundhed.dk

Sundhed.dk
E-health Portal
2003 -

MedCom
Health Data Network
1994 -



Who is behind?

Ministry of Health, Danish Regions, Ministry of Interior, National Association of Local Authorities, National Board of Health, Copenhagen Hospital Corporation, Danish Pharmaceutical Association

SERVICES FOR CITIZENS

- **Access to personal health data on treatment**
 - E.g. e-Record from hospitals and GPs and Shared Medication Card
- **Communication with health care providers**
 - E.g. Contact information and e-services like booking, prescription renewals and electronic communication
- **General information on health service**
 - E.g. quality in health care, patient rights
- **Accurate and updated information on health, disease and treatment**
 - E.g. medical handbook
- **Personal home care/hospital solutions**
 - E.g. diabetes and anticoagulant therapy
- **Patient to patient dialogue**

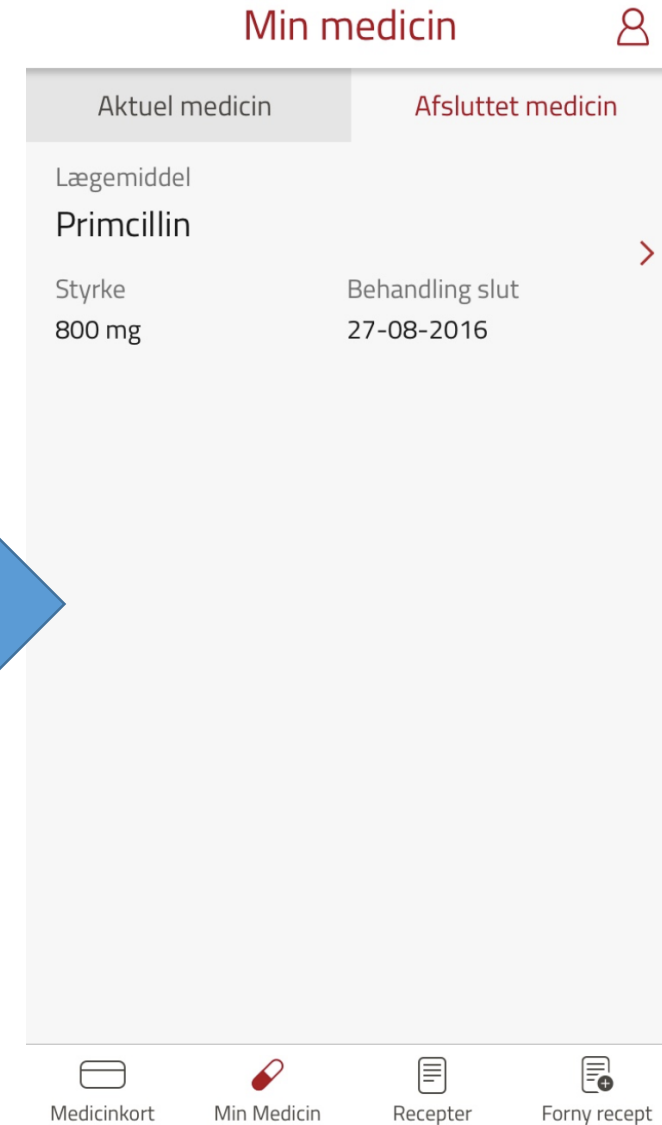
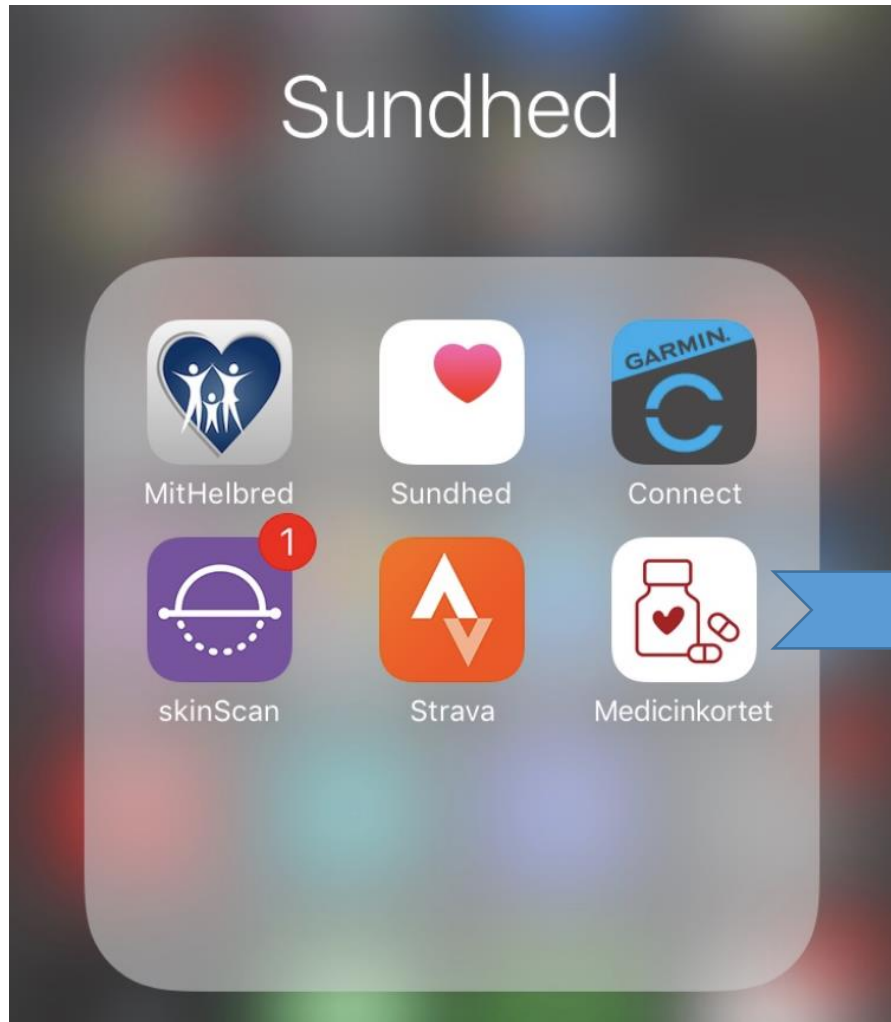


SERVICES FOR HEALTH CARE PROFESSIONALS

- **Access to personal health data on patients**
 - E.g. e-Record, laboratory data and Shared Medication Card
- **Contact and service information on other health care providers**
- **General information on health service**
 - E.g. waiting lists, quality in health care, health and prevention programs, visitation
- **Accurate and updated information on health, disease and treatment**
 - E.g. medical handbook, treatment feedback and benchmarking
- **Personal home care/hospital solutions**
 - E.g. diabetes and anticoagulant therapy



The Shared Medication Record app



The Digital Health strategy 2018-2022



5 main objectives based on 27 initiatives



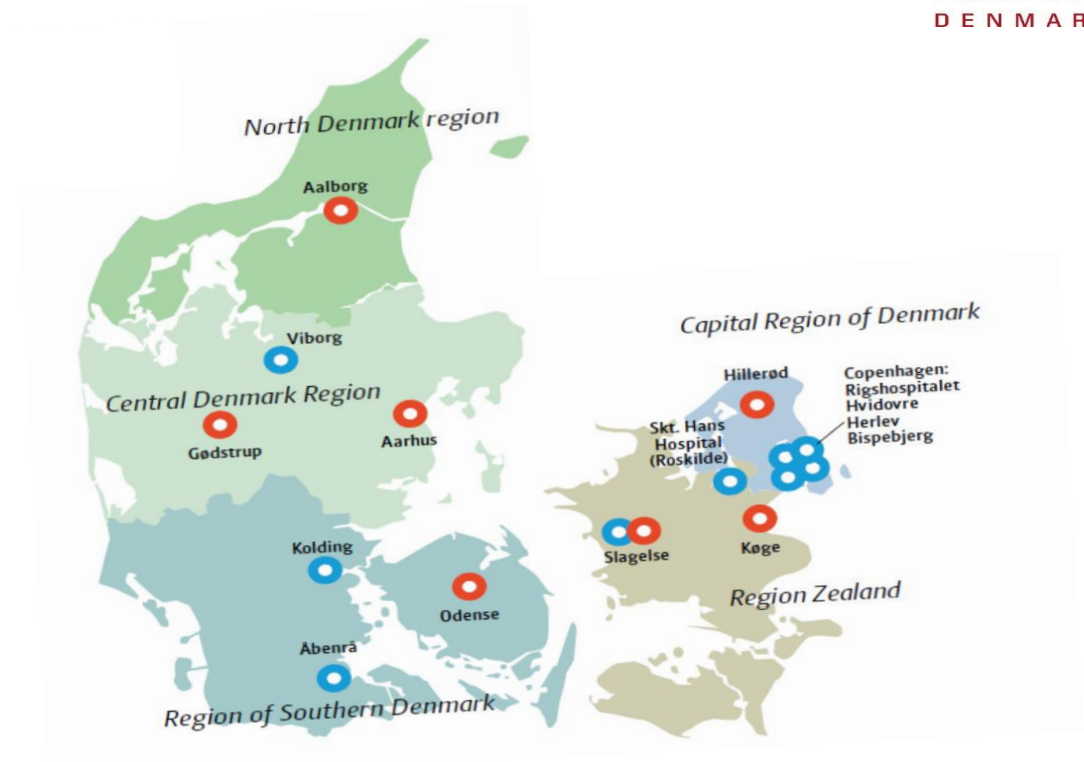
The eHealth and telehealth strategy will align with the 2013 – 2020 Assisted Living strategy

- Full scale implementation of proven solutions
 - Ceiling lifts
 - Digital rehabilitation
 - Selected robot technology
- Full scale Smart Home implementation
- Smart Home technology for disabled citizens
- Coordinated strategy:
 - Ministry of Health and Prevention
 - Danish Regions
 - Danish Municipalities



16 new hospitals will be the backbone of patient centric healthcare

- **Public-private partnerships**
- **New innovations**
- **Danish design**
- **Green technology**



Personalised Medicine will increase treatment efficiency and reduce adverse effects:

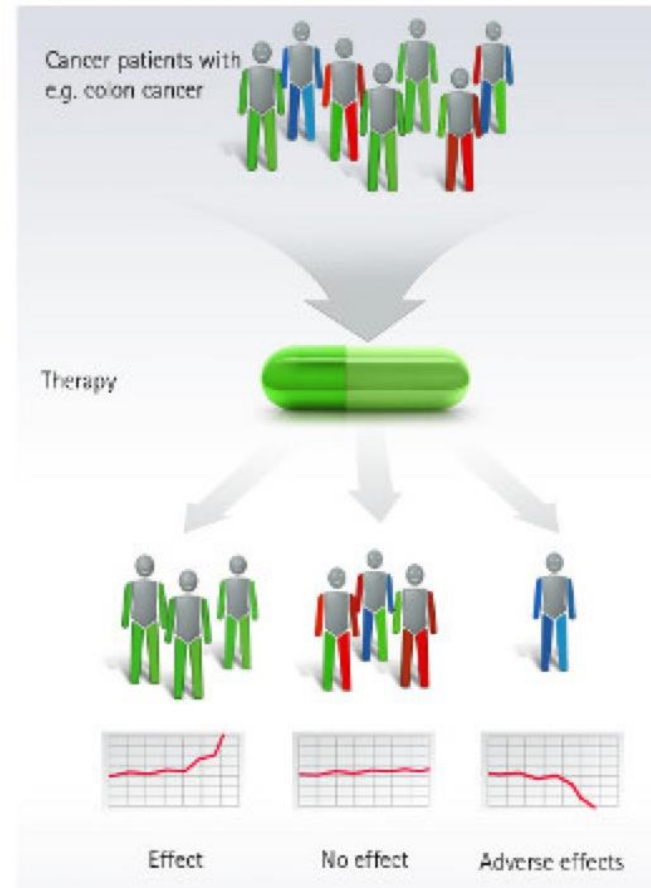
Danmarks Nationale Biobank

Danmarks Nat
der ligger i de
sundhedssekt
Forskere tilby
mere end 15 m

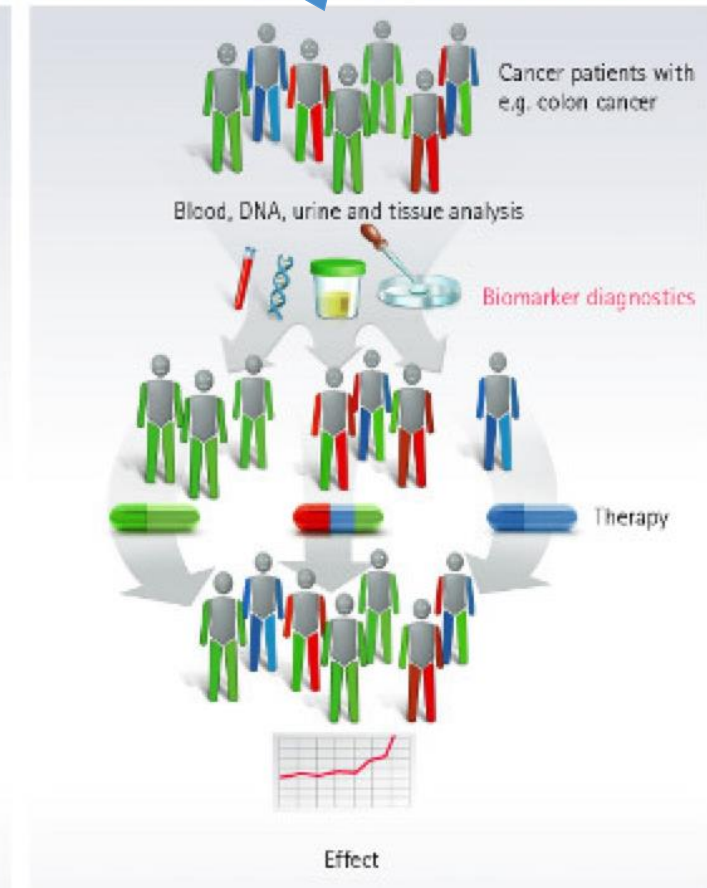


The Danish National Biobank offers 16+ mio.
samples for research.

Medicine of the present: one treatment fits all



Medicine of the future: more personalized diagnostics





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