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Sundhed.dk

The National Danish e-Health Portal

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Vienna Health Care Lectures 2018

sundhed.dk

Today's agenda



- German speaking countries attention to sundhed.dk
- A brief introduction to the Danish healthcare sector, and a short comparison to ELGA
- An introduction to sundhed.dk – what does it offer and who use it?
- Data security & "safe harbor"
- Strategic ambitions
- Does eHealth make a difference?

Exchange of knowledge and experience

- in particular with German speaking countries



- E-health conferences
- Germany's Telematics Infrastructure (GEMATIK)
- The Electronic Health Record (ELGA)
- ÖDG (österreichische Diabetes Gesellschaft)
- Medias (ZDF)
- Deutscher Hausärzeteverband (HÄVG)
- ehealthsuisse – das elektronische patientendossier (EPD)
- German International Forum
- Input to G20 Summit in Hamburg 2017 and Argentina 2018

Exchange of knowledge and experience - in particular with Germany

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The Danish health care sector



- Universal coverage
- Free and equal access
- Cross sectorial
- GP as “gatekeeper”
 - keeping 90 % out of hospitals

e-Health in Denmark



- Denmark is an ICT-mature society
- Unique personal identifier (1968)
- Digital signature (2003)
- “NemID” (secure login to public services)
- Long tradition of health registries and databases
- The Danish Health Data Network (secure data exchange)
- Danish legislation concerning eHealth

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- part of the public health sector and its strategies



Highlights from brand new national strategy from January 2018:

- Sundhed as national entry point for access to personal health data from *hospitals, GPs and municipalities*
- A general ambition about a more coherent patient experience and treatment – across the national, regional and local level

Sundhed.dk

- part of the over all national strategy

The idea behind sundhed.dk

- Supporting the GPs in 'gate keeping'
- Supporting patient empowerment
- Supporting health professionals cross sectorial
- Re-using data
- One access point

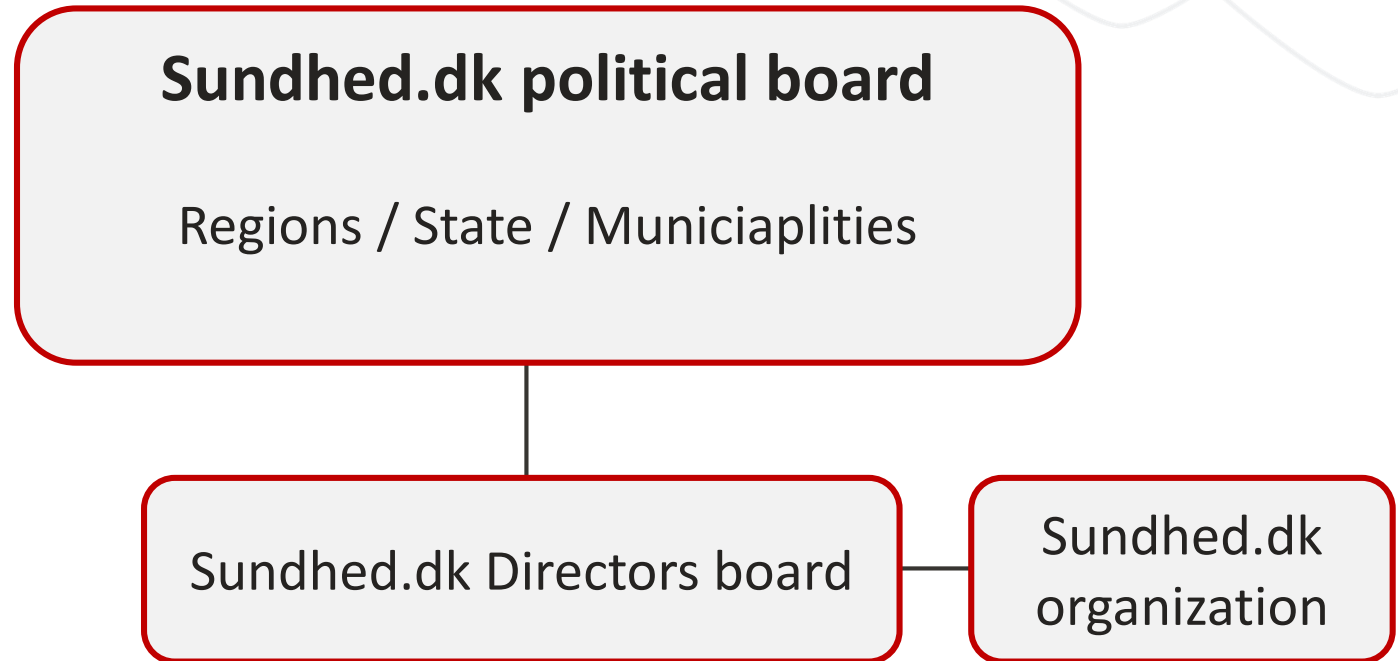
ELGA & sundhed.dk



Sundhed.dk

- One access point for health professionals and citizens
- Only re-use of data – no data or information is created
- Data is only shown at ‘a glance’
- No possibility to opt out
- Data on sundhed.dk not used for research

Sundhed.dk - founded in all political levels



Sundhed.dk

The Danish public health care system *online*

Citizens

Personal services

Data/records

Health professionals

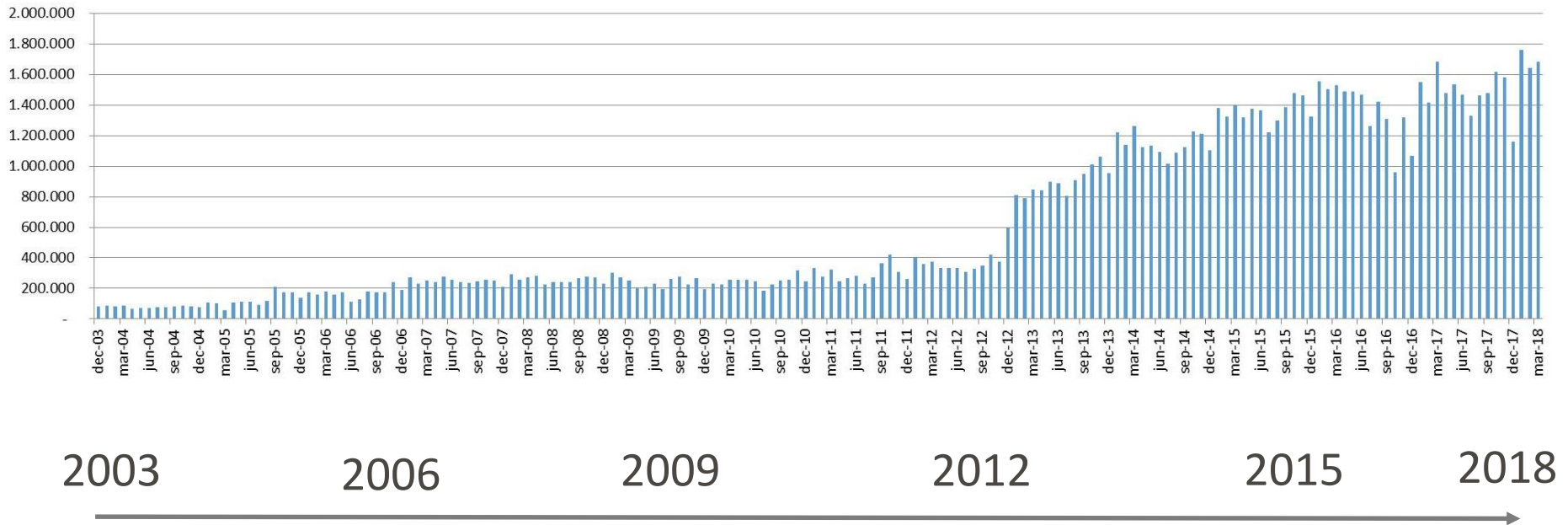
Patient data

Administrative tools

- 3.3 people know sundhed
- 1,7 mio. unique users pr. month
- For 7 years in a row the application most healthcare professionals use

The number of users increases

Unique visitors, month by month from 2003 to 2018



Access to evidence-based information

- The closed space: Personal clinical data
- The open space: A unique source of information
 - Medical Handbook for doctors and patients
 - Free Health promotion offers
 - Chronic disease management (diabetes, cancer, osteoporosis)
 - Smokecessation, weightloss, pregnancy/ birth

"My health" Overview

Citizens Professionals sundhed.dk My health data search Q Menu

overview

Here you get an overview of your options for viewing data and records, when you are logged into sundhed.dk.

My health records

In 'My health journal' you can see the health data that public health services have registered about you. See among other things, when you've been in the emergency room, contact information and consultations with your own doctor and what medicine you bought.

- Journal from hospital
- laboratory results
- Consultations with doctors and others
- Treatments in hospitals
- Medical card
- references
- my doctor

My records

Under 'My registrations' you can opt in and out as an organ donor, creating a living will, the status of the screening process, giving relatives authorized to see your health data or private selecting a course in your medical record from the hospital, so it can not be seen by others.

- organ donation
- My screenings
- Authority
- Living Will
- Private Marking process

my log

In 'My log' you can see which entries that are made in your medical records from hospitals in your laboratory results or in your medicine card via sundhed.dk. You can see notices by the health professional or by a caregiver if you have a relative power of attorney. You can also see your children log if they are under 15 years old and born after 27 / 5-2004, and relatives sign if you have power of attorney.

Declaration of consent

You must consent to having your personal health data is displayed for you on sundhed.dk.

- Declaration of consent

The different users of sundhed.dk

The exposed citizen



The traditional citizen



The independent citizen



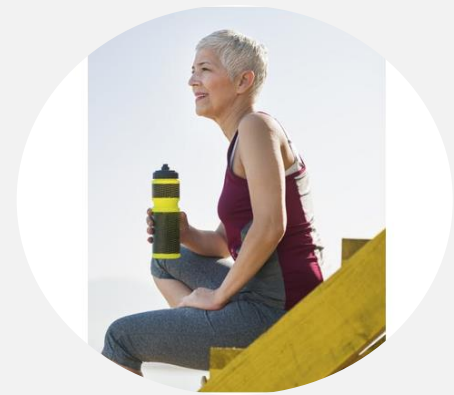
The worried citizen



The critical citizen

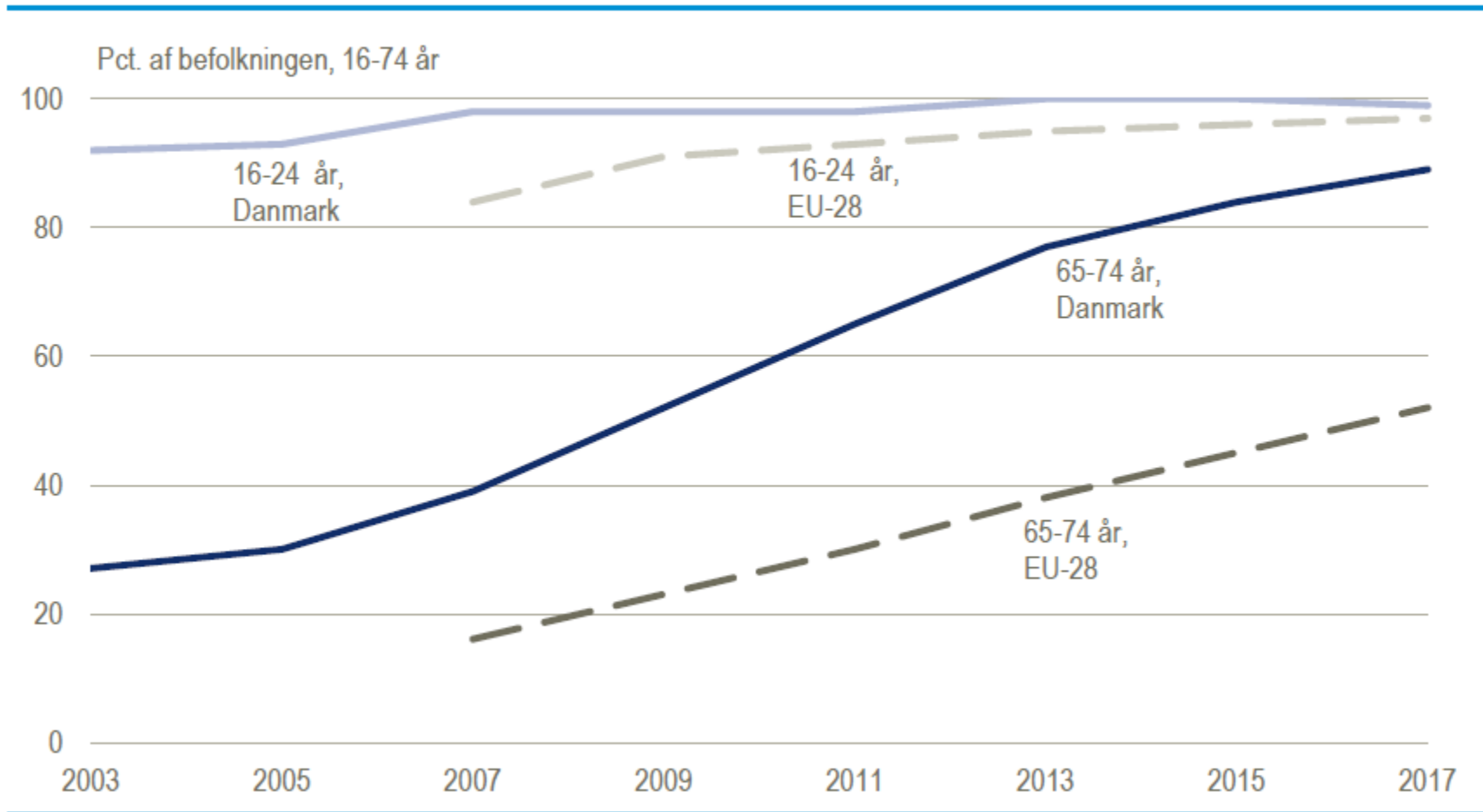


The healthy citizen



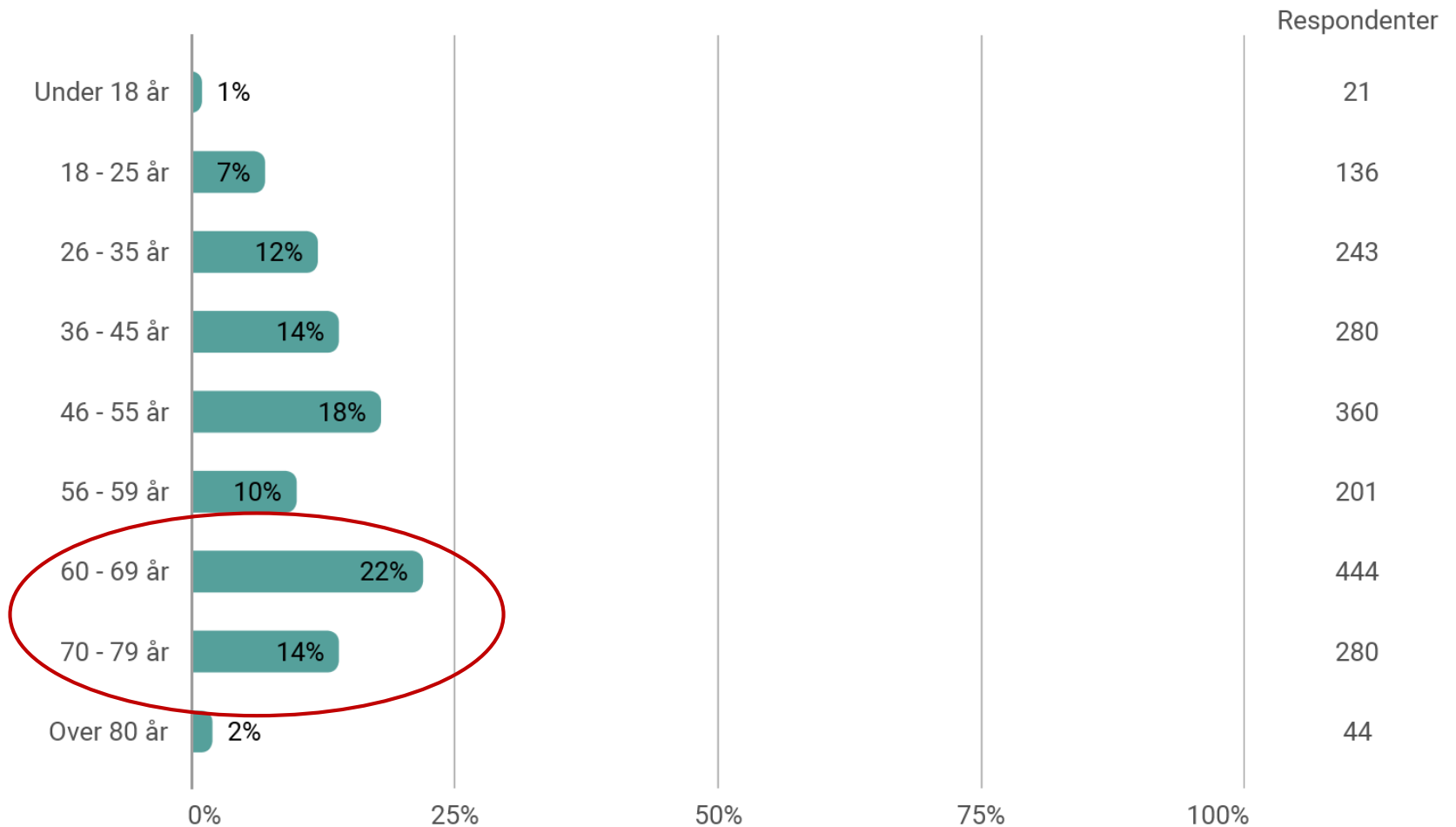
Elderly and digitization

Internet use among elderly people 2003-2017



Sundhed.dk users

36% of sundhed.dk's users are +60 years



sundhed.dk

- Safe Harbor for personal clinical data



Danes rely on Public Healthcare and the way their personal clinical health data is handled

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Strategy 2016-2018

- Digital security and reliability of data
- Displaying more data on sundhed.dk
- A better, more user-friendly and focused portal
- More users to sundhed.dk

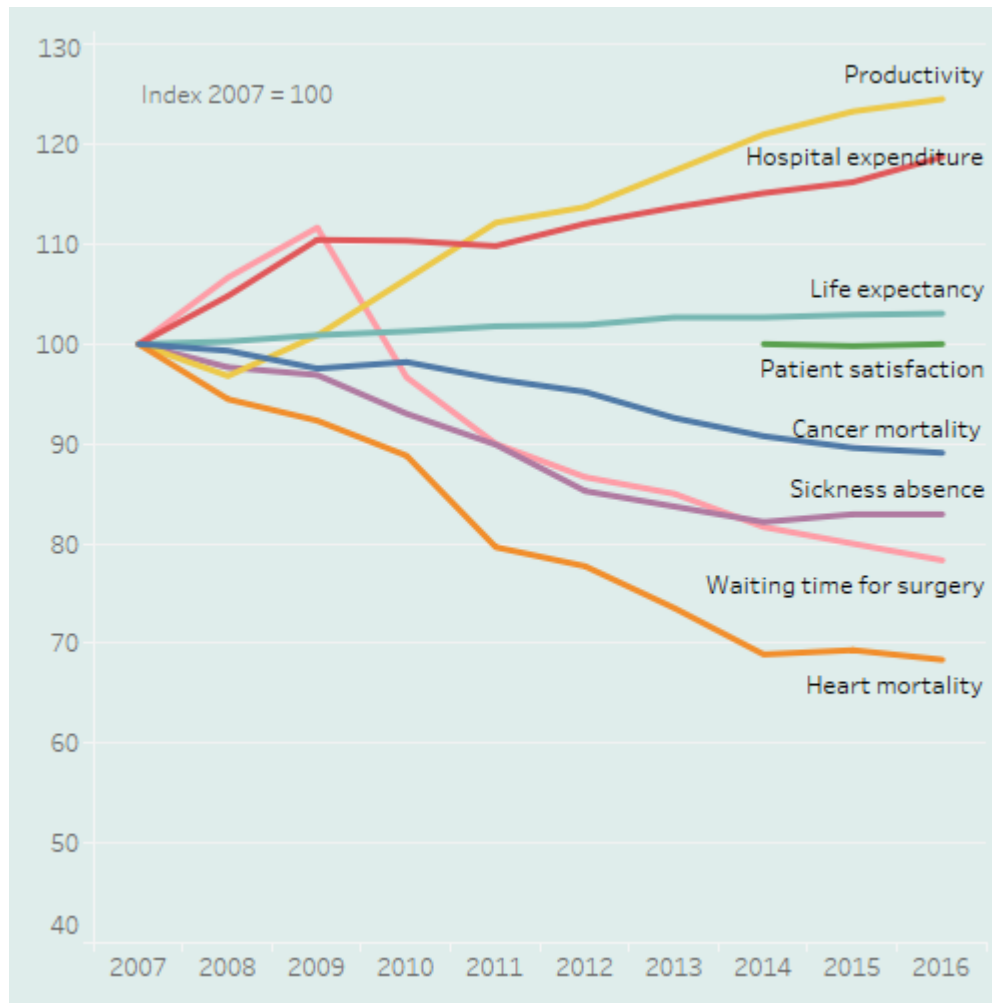
New strategy 2019-2021 ... in proces

- Empowerment and interaction
- Prevention and early diagnoses
- Overview and coherence in treatment
- Cross sectorial access to data (national, regional, local)
- “Patients like me” – clinical quality data in AI
- “Safe harbor” for the citizens health data
- Citizens ”own” data, gathered from wearables

Does it make a difference?

- giving access to personal health data and sharing EHR data

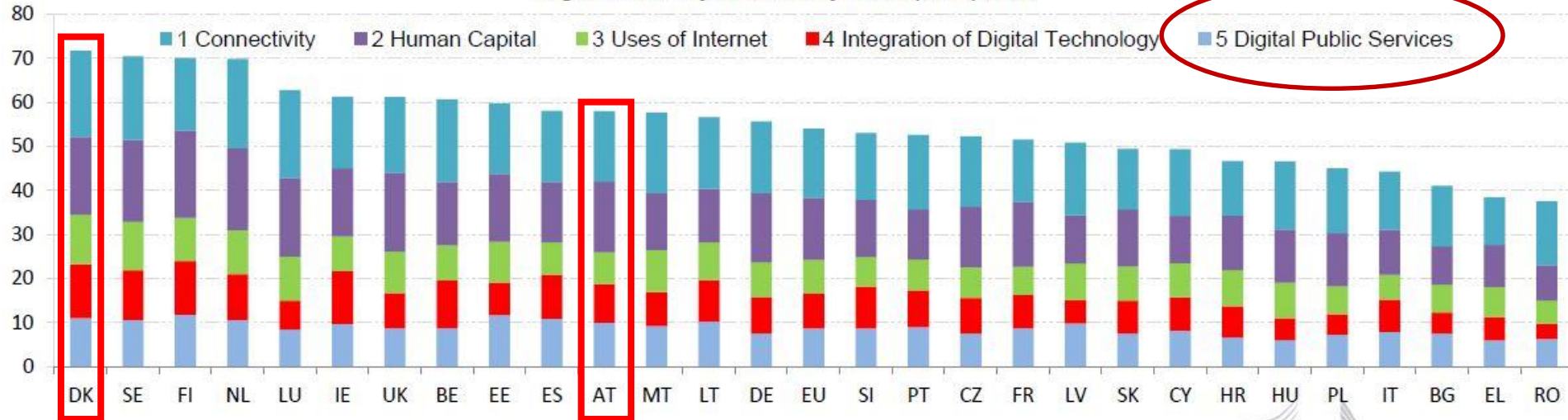
Patients are satisfied - and cost in control



Digital performance

Digital Economy and Society Index (DESI) 2018 ranking

Digital Economy and Society Index (DESI) 2018



DESI Report 2018 – Digital Public Services



Leading countries in e-government development

Table 5.2 Leading countries in e-government development

Country Name	Region	OSI	HCI	TII	EGDI	2016 Rank	2018 Rank	EGDI Group change
Denmark	Europe	1.0000	0.9472	0.7978	0.9150	9	1	None
Australia	Oceania	0.9722	1.0000	0.7436	0.9053	2	2	None
Republic of Korea	Asia	0.9792	0.8743	0.8496	0.9010	3	3	None
United Kingdom of Great Britain and Northern Ireland	Europe	0.9792	0.9200	0.8004	0.8999	1	4	None
Sweden	Europe	0.9444	0.9366	0.7835	0.8882	6	5	None
Finland	Europe	0.9653	0.9509	0.7284	0.8815	5	6	None
Singapore	Asia	0.9861	0.8557	0.8019	0.8812	4	7	None
New Zealand	Oceania	0.9514	0.9450	0.7455	0.8806	8	8	None
France	Europe	0.9792	0.8598	0.7979	0.8790	10	9	None

**UNITED NATIONS
E-GOVERNMENT
SURVEY 2018**

GEARING E-GOVERNMENT TO SUPPORT TRANSFORMATION
TOWARDS SUSTAINABLE AND RESILIENT SOCIETIES

Sundhed.dk at the Third International German Forum 2017

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INTERNATIONAL FOUNDATION

Why?

- International interest in sundhed.dk and Danish eHealth

Purpose:

- Consultancy: many years of experience
- Fast, cheap solutions
- Reliable and public-private-network
- Mature eHealth projects / Trade promotion

Contact:

- Jakob Uffelmann, CEO, the Sundhed.dk International Foundation jau@sundhed.dk

The background is a solid teal color with several thin, white, wavy lines that sweep across the frame from the top left towards the bottom right, creating a sense of movement and depth.

Thank you