

A large, semi-transparent globe showing the world's continents in various colors (yellow, green, blue) is centered in the background.

# Large Scale National Deployment - coordinated national deployment in Denmark and the Nordic Countries

eHealth Forum 2014

Athen

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MedCom - Danish Health Care Data Net

[www.medcom.dk](http://www.medcom.dk)



# Benchmarking Deployment of e-Health Services (2012–2013)



JRC SCIENTIFIC AND POLICY REPORTS

European Hospital Survey:  
Benchmarking Deployment of e-Health Services  
(2012–2013)

Composite Indicators on eHealth Deployment and  
on Availability and Use of eHealth Functionalities

Authors: R. Sebes-Figuera, I. Maghiros  
Editor: F. Abedie

2013



Report EUR 2013 18 EN

Joint  
Research  
Centre



# Nordic countries top performing in eHealth?



Commission released a survey on eHealth in the EU

## Nordic countries top performing in eHealth

by KG/EUROPA 24.03.2014 - 12:58

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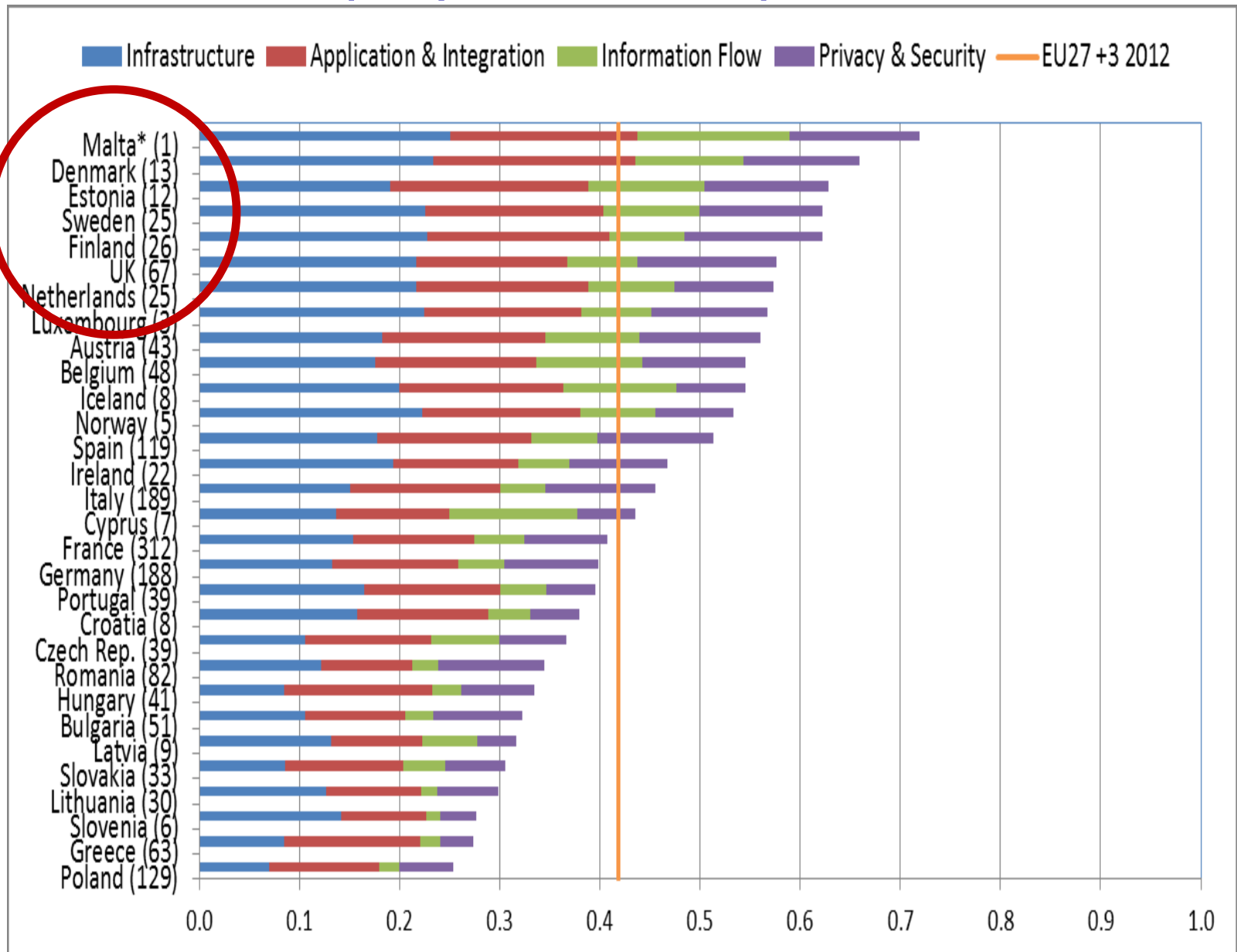


NEWSROOM

*\*This page automatically updates when new content is added to New Europe.*



# EU Bencemarking 2012: Hospitals eHealth deployment composite indicator



# EU Bencemarking 2012: GP Composite index of eHealth adoption



# The Nordic Countries

- Are small countries?
- Are tax paid National Health Services (NHS)?
- Are having national IT strategies and coordination for many years?



# National Coordination The Danish Example





# National Co-operation

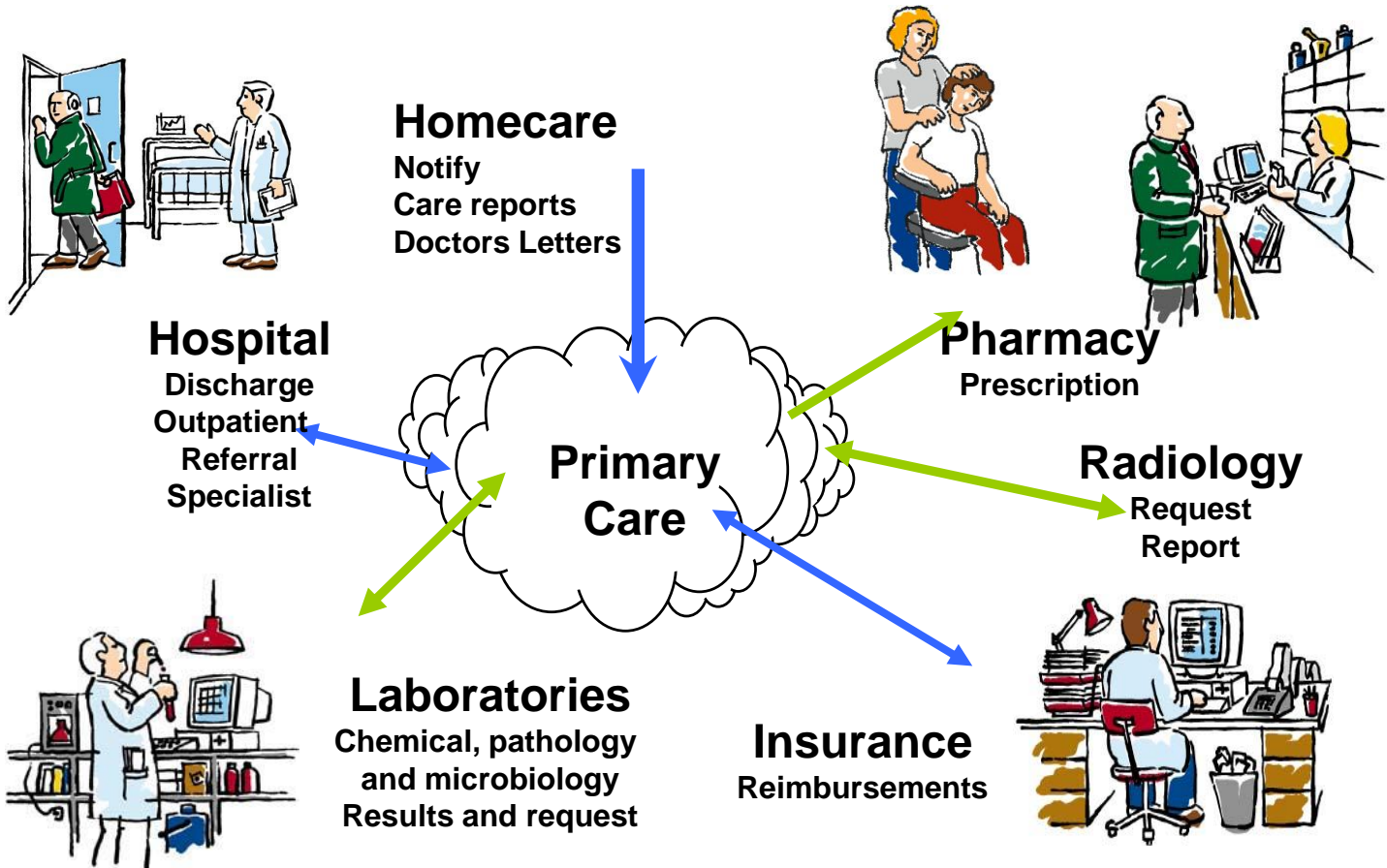
1. MedCom (1994)
  1. Danish Health Net – Standardized messaging
2. Sundhed.dk (2002)
  1. National Health Portal
3. National Board of eHealth NSI (2008)
  1. National IT Strategy and infrastructure
4. Regional Health IT – RSI (2010)
  1. Strategy and Milestones
5. Municipalities/Combit (2011)
  1. Telehealth





# MedCom 1994

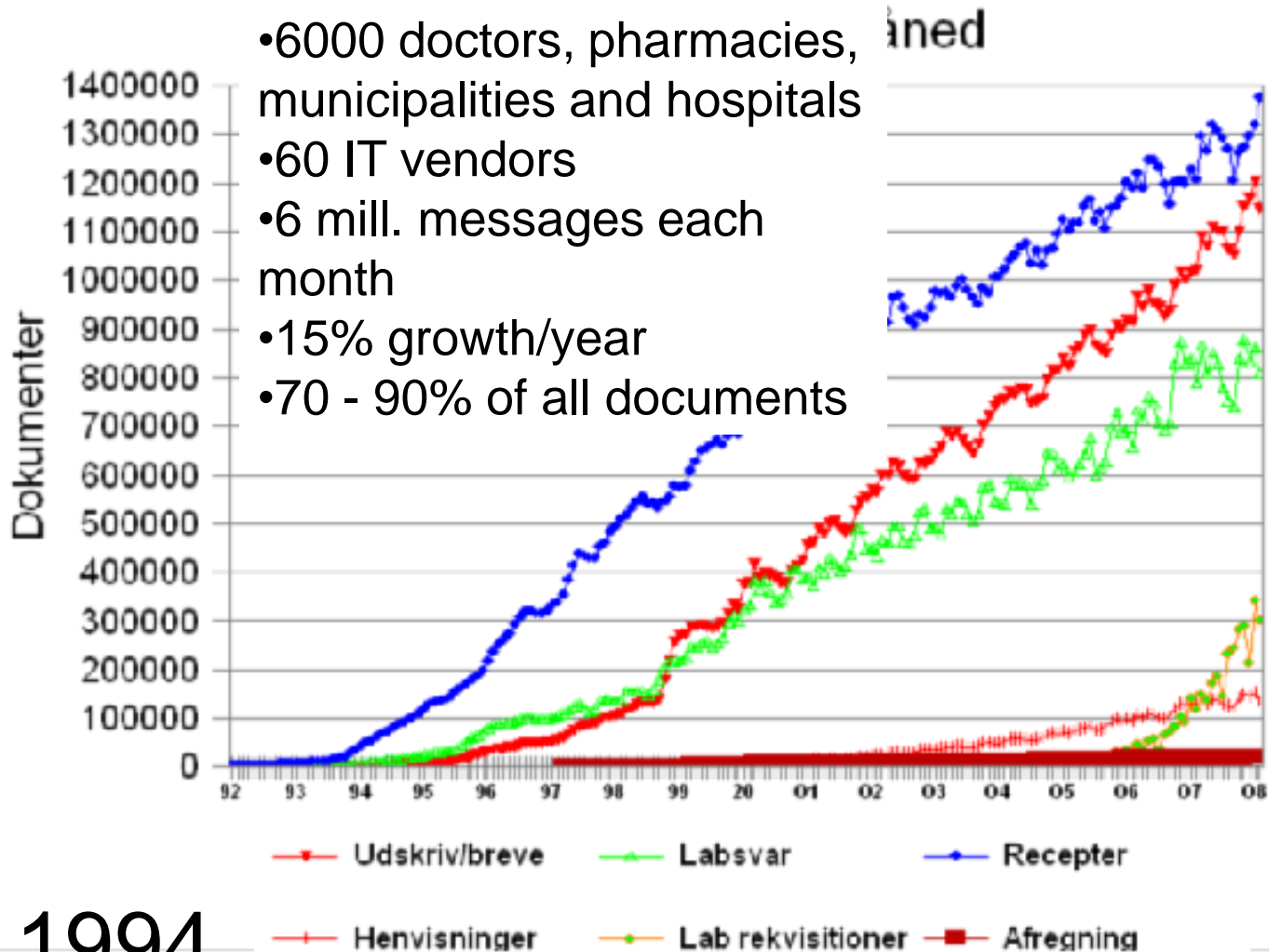
Standardized messaging



# MedCom Results

Messages each Month

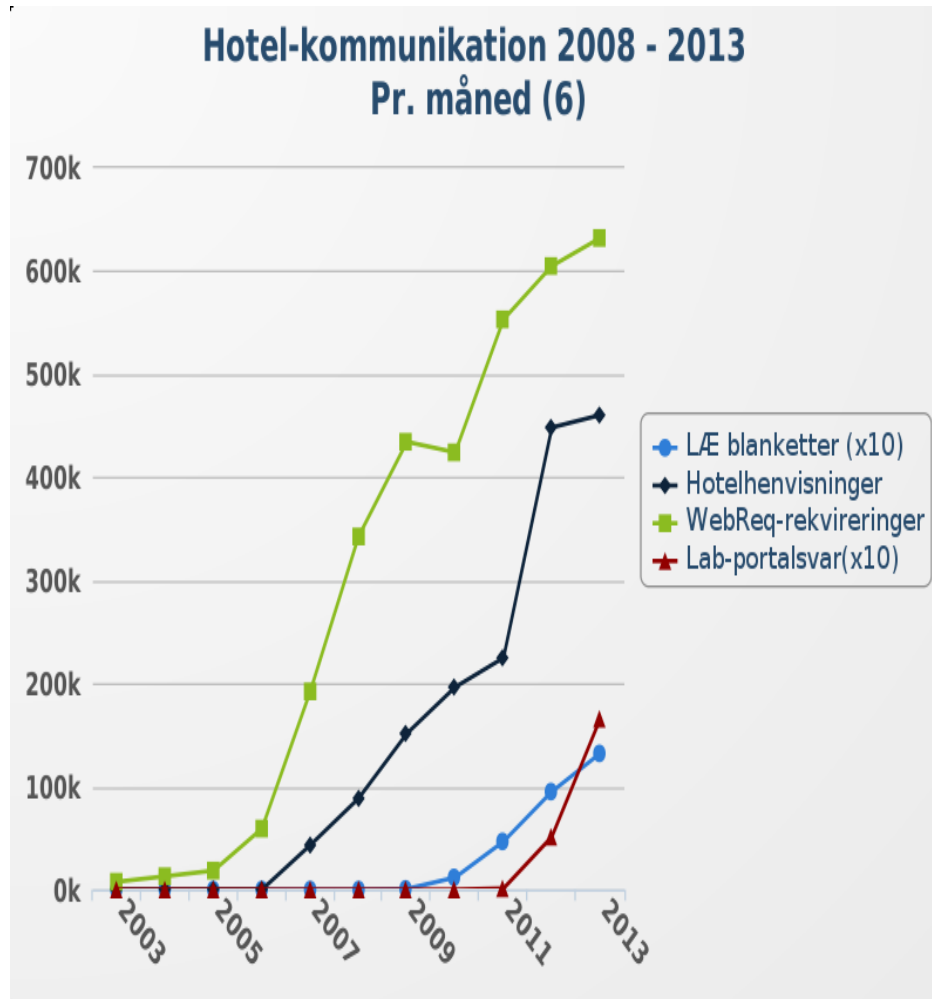
- 6000 doctors, pharmacies, municipalities and hospitals
- 60 IT vendors
- 6 mill. messages each month
- 15% growth/year
- 70 - 90% of all documents



1994



# MC standards at Work: Access to National Services



- **WebReq Portal**

Advanced lab-requests to all danish labs - 605.000/month

- **Referral Portal**

All referrals from doctors to specialists 448.000/mt

- **Labresult Portal**

Online WS to results from all Danish labs - 95.000/mt

- **FMK/SMR**

Online National Actual Medication



# sundhed.dk 2002

## National Health Portal

sundhed.dk

 **Søg**

[Forsiden](#)
[Om sundhed.dk](#)
[Oversigt](#)
[Hjælp](#)
[Vejviser](#)
[Jobbank](#)

► [Avanceret søgning](#)

### Sundhed nationalt

- Sygdomme
- Sundhed og forebyggelse
- Behandling
- Lægemidler
- Hvad siger loven?
- Tal og fakta
- Sundhedsvæsenet
- Nyheder

### Min sundhed.dk

- ▼ **Min personlige forsider**
  - Mine oplysninger
  - Min opsætning
  - Om Min sundhed.dk
- Mine sundhedsdata
- Min læge
- Min aftalebog
- Min postkasse
- Min donorregistrering
- Mit livstestamente

### Sundhed regionalt



**Birgitte Lolan Ravn** logget på 02.05.2007 kl. 14:06

**Log af sundhed.dk**

[Forside/](#) [Min personlige forsider/](#) Velkommen til Min sundhed.dk



Velkommen til din  
personlige forsider

### Velkommen til Min sundhed.dk

Som borger kan du designe din egen forsider på sundhed.dk. Nogle borgere vil allerede nu kunne benytte tjenester, der indeholder sundhedsdata - elektroniske oplysninger om din kontakt med sundhedsvæsenet. Læs mere [Om min sundhed.dk](#) og dine muligheder her.

### Genveje

- [Test dig selv](#)
- [Frit sygehusvalg](#)
- [Sygdomstips](#)
- [Find lægemidler](#)
- [Patientvejledning](#)
- [Ventetider](#)

### Nye beskeder og aftaler

☐ **Du har modtaget  
2 nye beskeder**

### Kommende aftaler 🖨 Udskriv

◀ 2. maj 2007 ▶

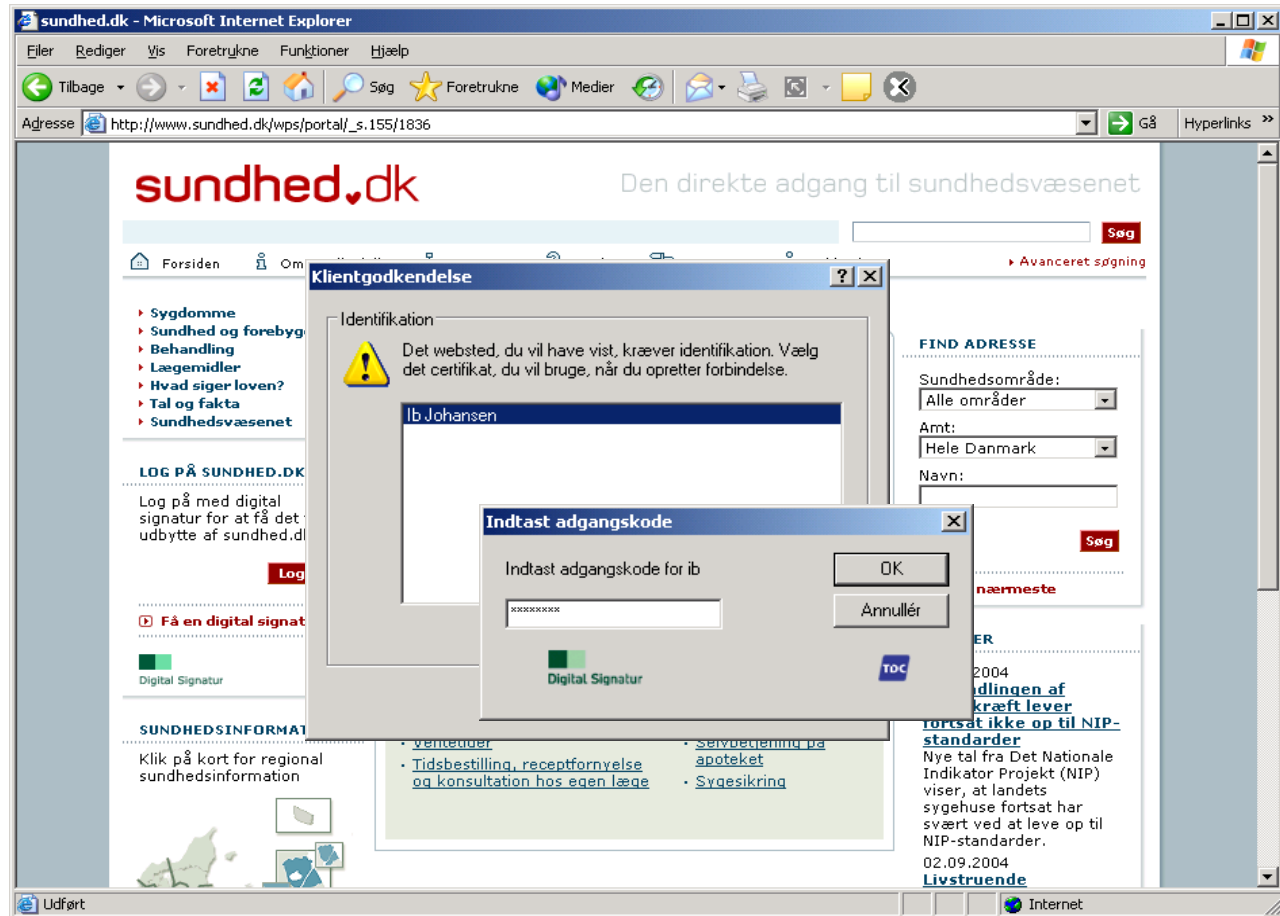
M	T	O	T	F	L	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

📅 **Min aftalebog**

### Vejviser

Sundhedsområde:  
 ▼

# Access to own data



# eRecord

## Web Access to EHR

The screenshot displays the 'sundhed.dk' web portal. The user is logged in as 'Henrik B. Jensen (Pers)'. The main navigation bar includes 'BORGER', 'SUNDHEDSFAGLIG', 'LOG AF', and 'MIN SIDE'. The left sidebar shows 'Min medicinprofil' with a description: 'I medicinprofilen finder du oplysninger om dine medicintilskud.' Below this is a 'Receptkøb' section with search filters for 'Fra dato', 'Til dato', and 'Lægemiddelnavn'. The main content area shows a table of medical history with columns for 'Dato fra', 'Dato til', 'Udtrk. dato', 'Sygehus', 'Afdeling', 'Diagnose', 'Epikrise', and 'Notater'. The table contains 7 rows of data. At the bottom, there are navigation controls for the table, including 'Side 1 af 1' and 'Viser 1 - 7 af 7'.

<input type="checkbox"/>	Dato fra	Dato til	Udtrk. dato	Sygehus	Afdeling	Diagnose	Epikrise	Notater
<input type="checkbox"/>	28-11-2011		02-12-2011	Vejle Sygehus	RygCenter Medicinsk Amb...		<a href="#">1</a>	<a href="#">2</a>
<input type="checkbox"/>	15-08-2011	30-04-2012	04-05-2012	VEJLE SYGEHUS	RINGE, MEDICINSK RYGC...	Prolapsus disci intervert lumbalis IV/V med rad...	<a href="#">0</a>	<a href="#">2</a>
<input type="checkbox"/>	06-08-2011	06-08-2011	09-08-2012	SYGEHUS SØNDERJYL., HADE...	RØNTGENAFDELING	Radiologisk undersøgelse	<a href="#">0</a>	<a href="#">1</a>
<input type="checkbox"/>	28-07-2011	28-07-2011	28-07-2011	OUI Odense Universitetshospital	Akut medicinsk dagklinik A...	Obs på grund af mistanke om andre sygdomm...	<a href="#">0</a>	<a href="#">0</a>
<input type="checkbox"/>	28-07-2011	29-07-2011	29-07-2011	\$?	\$?		<a href="#">0</a>	<a href="#">0</a>
<input type="checkbox"/>	28-07-2011	28-07-2011	29-07-2011	OUI - Odense Universitetshosp...	AMA - Ambulatorier	Obs på grund af mistanke om andre sygdomm...	<a href="#">0</a>	<a href="#">6</a>
<input type="checkbox"/>	01-08-2007	28-09-2007	26-09-2007	Odense Universitetshospital	Od + Mi Ortopædkirurgisk...	Unguis incarnatus	<a href="#">0</a>	<a href="#">0</a>



# Made in Denmark!

## 1. ePrescription and SMR

From handwritten prescriptions to on-line shared medication card

## 2. MedCom eMessages

Exchanging paper documents with integrated communication between hospitals, GP and pharmacies IT systems

## 3. Sundhed.dk

Getting access for citizens to own data



[www.HealthcareDenmark.dk](http://www.HealthcareDenmark.dk)







Thanks

