

A National ICT-strategy for Healthcare? a report from Sweden

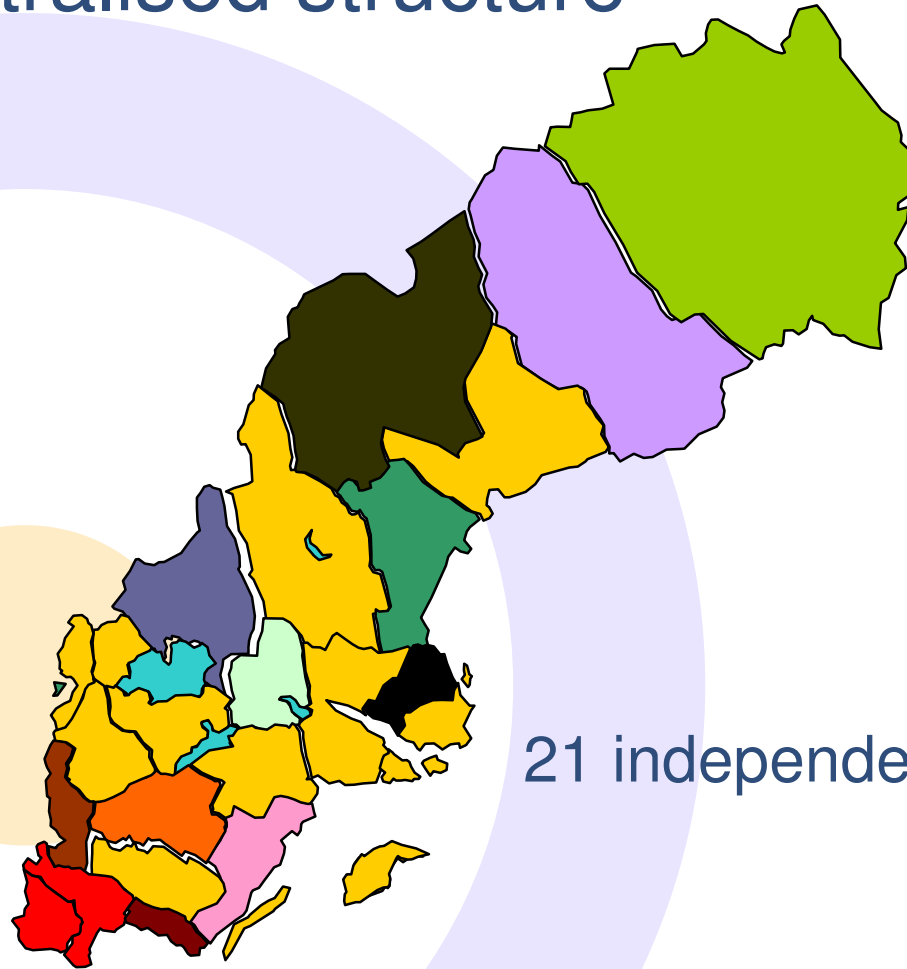
Presentation at:
” **Congress eHealth 2003** ”
Dresden October 2003

Mats Larson
Carelink



Swedish Healthcare

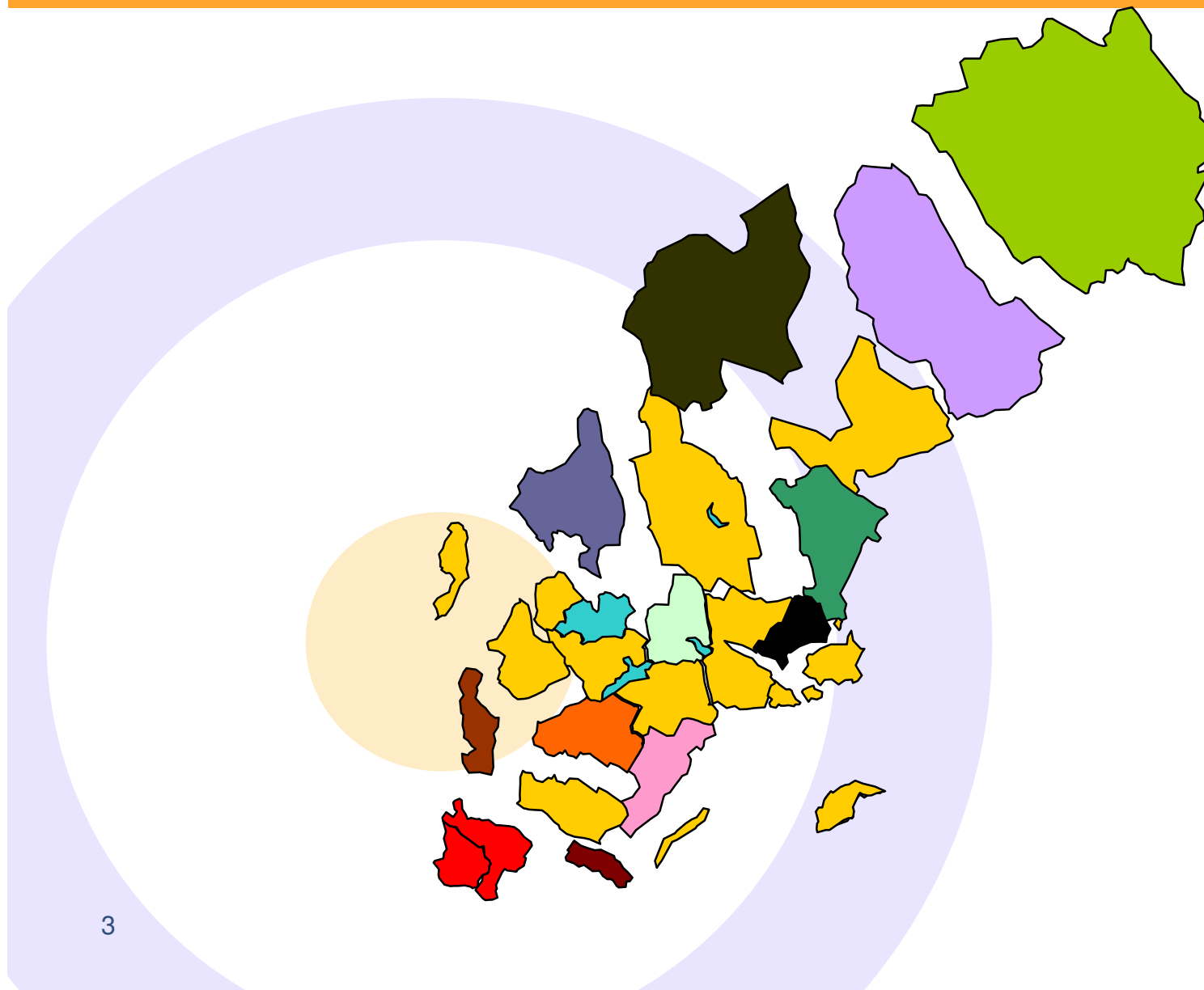
A decentralised structure



21 independent County Councils

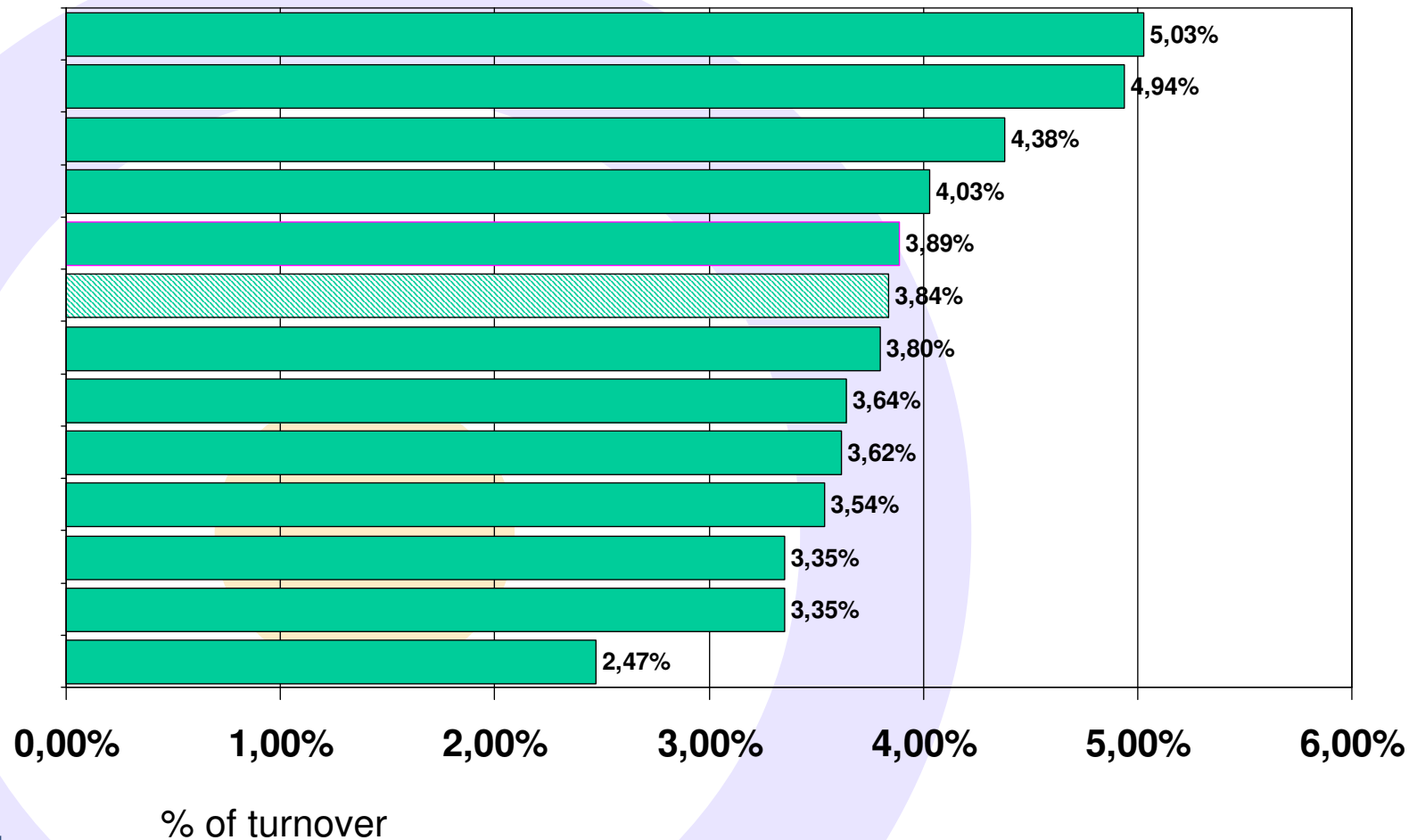


Swedish Healthcare

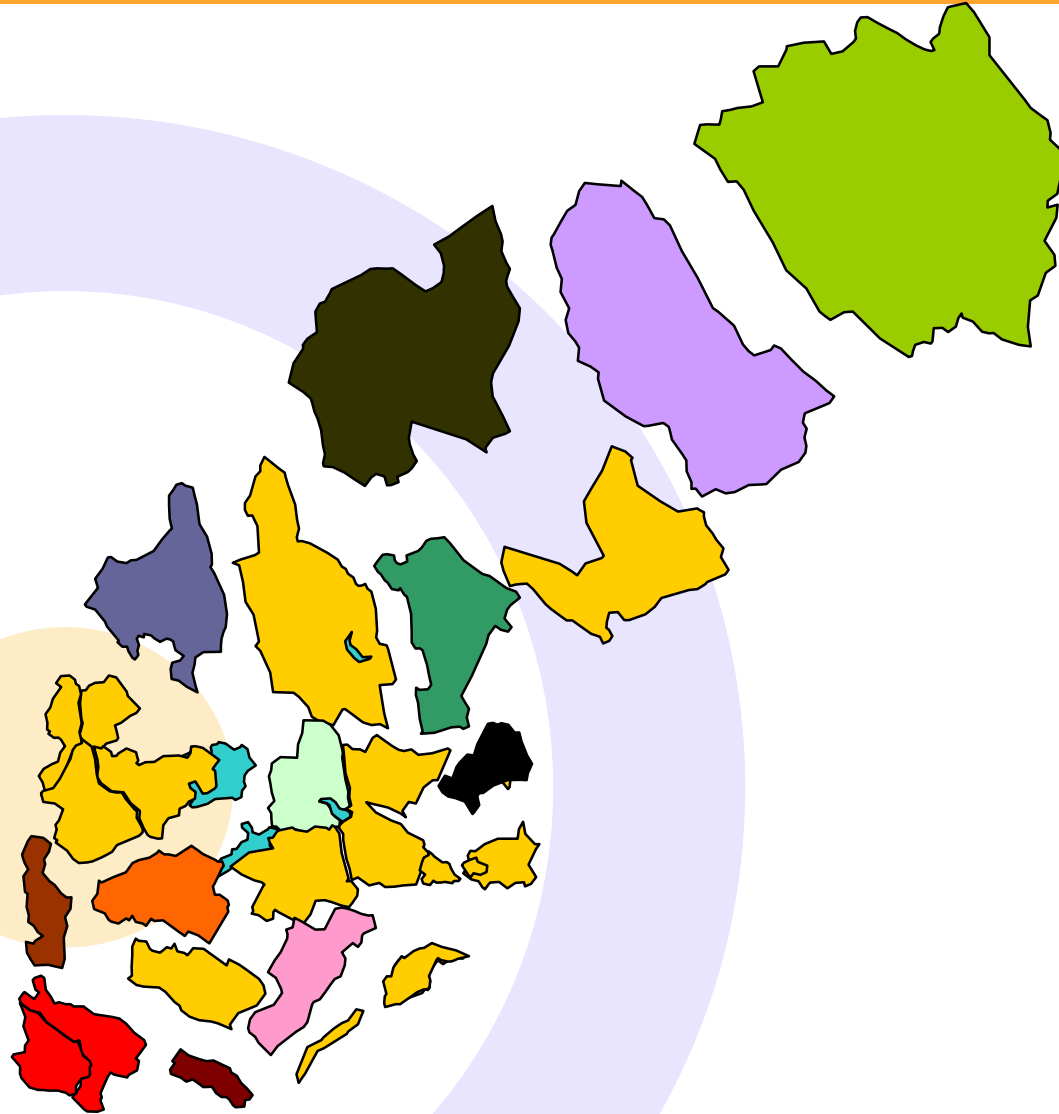


Swedish Healthcare ICT costs 2002

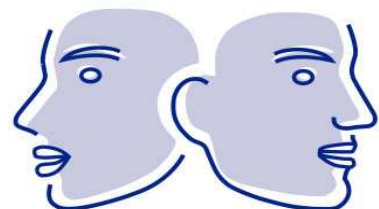
Spending in different County Councils



Swedish Healthcare

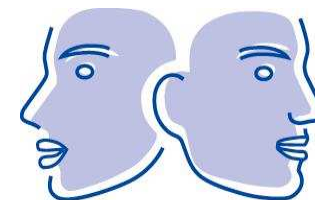
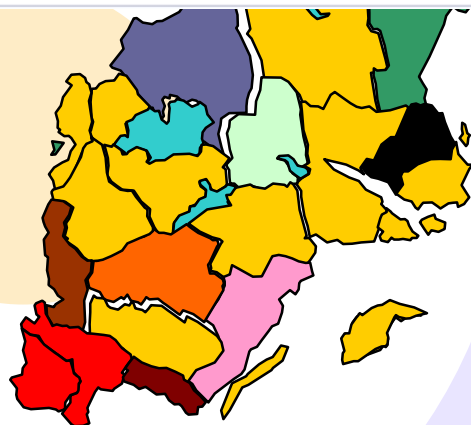


Swedish Healthcare



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Svenskt Nätverk för Kommunikation i Vården



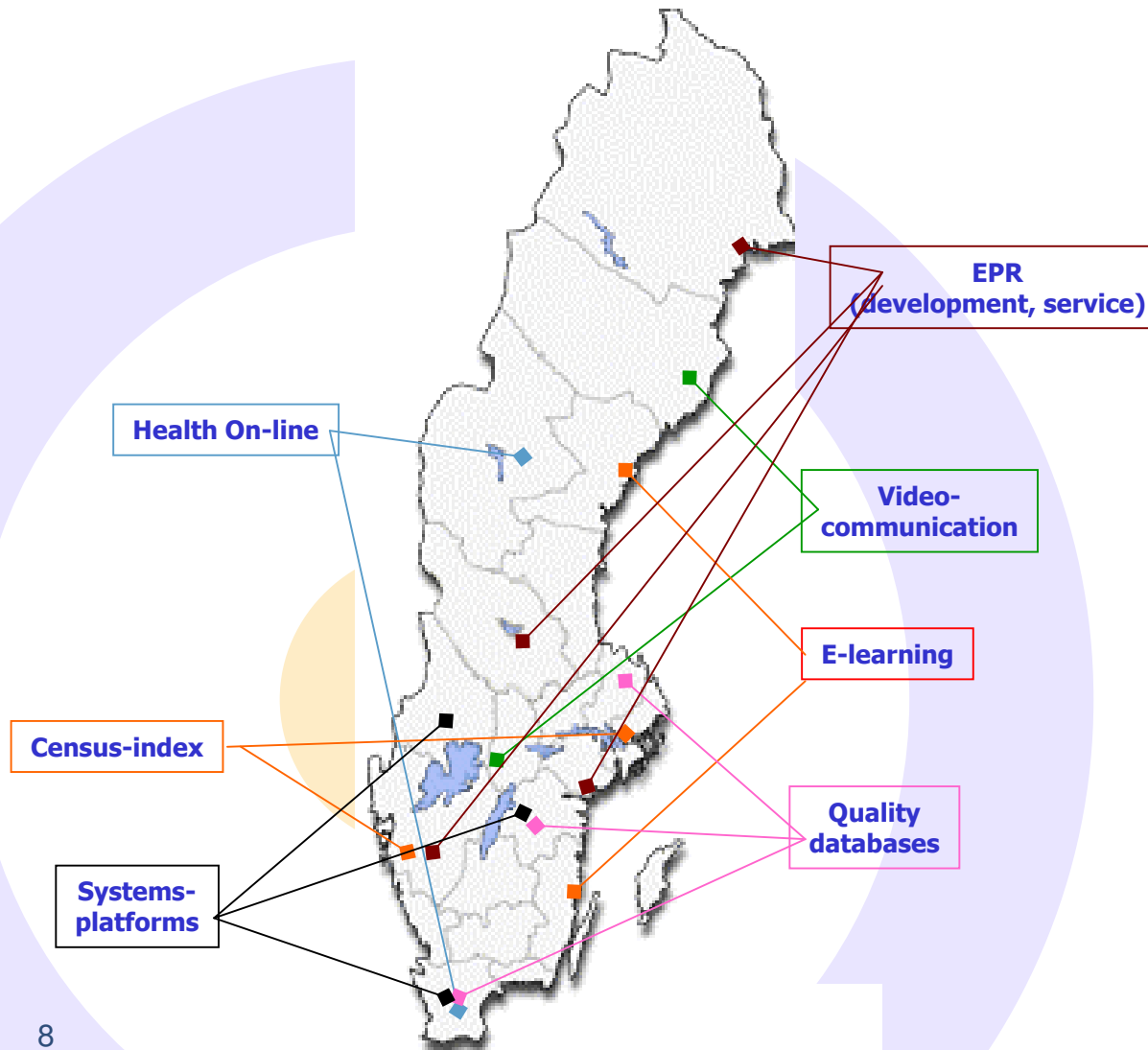
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A National strategy – Why? How?

- Can we speed up the introduction of ICT support?
- Can we make better use of ICT to meet challenges in Healthcare?
- Can we meet patients expectations on mobility and transparency?
- How can a strategy be established and implemented in a decentralised structure?



A National ICT Infrastructure...?



- ✓ Communication - Sjunet
- ✓ Security and ID - SITHS
- ✓ Information structure

■ In a later pahse – common services etc.

■ Centralisation without concentration....



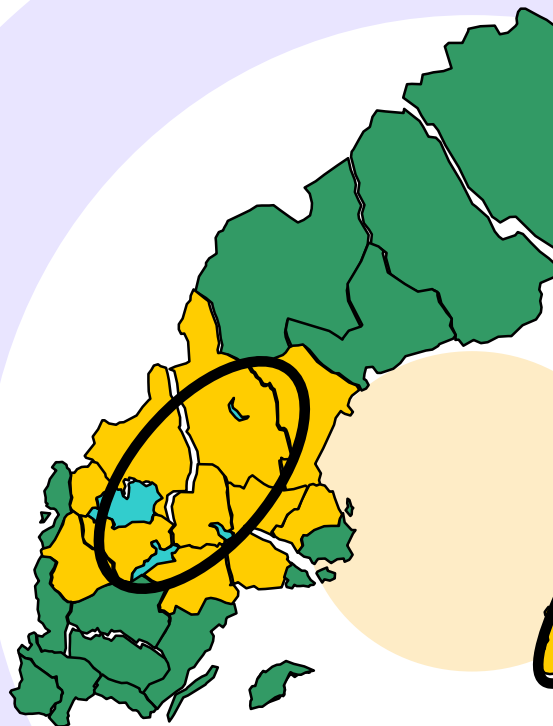
The Swedish Healthcare Network

SJUNET

- From regional to national co-operation
- Started as a projekt:
 - In 1997
 - In 7 County councils
 - With 7 million SEK from the partners
 - With 7 million SEK from national funds



SJUNET - Coverage



November 1999

November



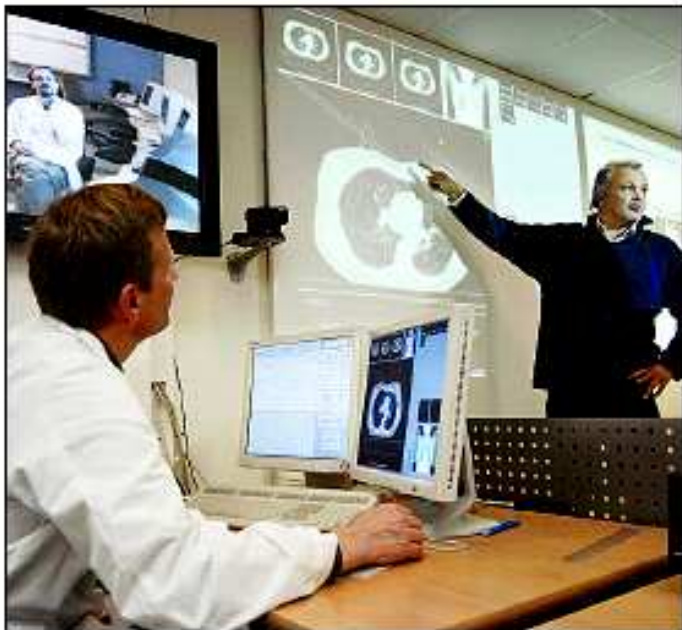
January 2001



Distributed radiotherapy

■ Cancer treatment in Sundsvall

- Operational since summer of 2002
- Dosage planning and field simulation at University Hospital in Umeå
- Same type of service is to be started between Kalmar County Hospital and University Hospital of Linköping



- Use of videoconference, teleradiology and files transfers
- Patient can be treated as out-patients
- Avoidance of tiring travels for these vulnerable patients
- Efficient use of competence at university hospital
- Sjunet is essential for establishing this type of service



Videoconference platform

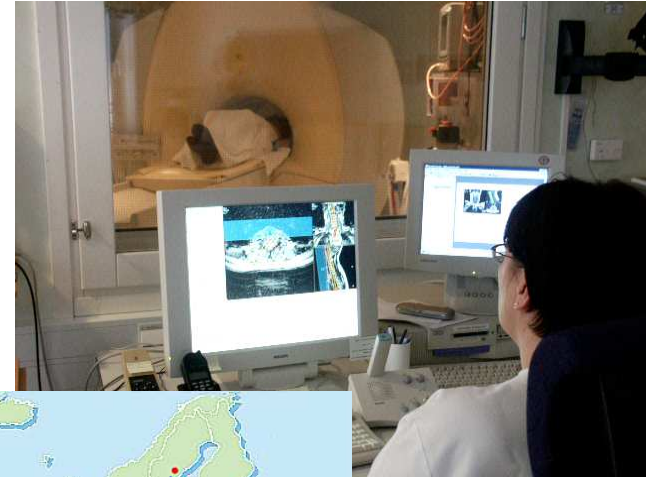


- Interoperability between IP-ISDN-PSTN-Internet
- Video-bridge in Örebro
- Video-gateways in all county councils
- Common video number directory
- Low cost for partners within Sjunet

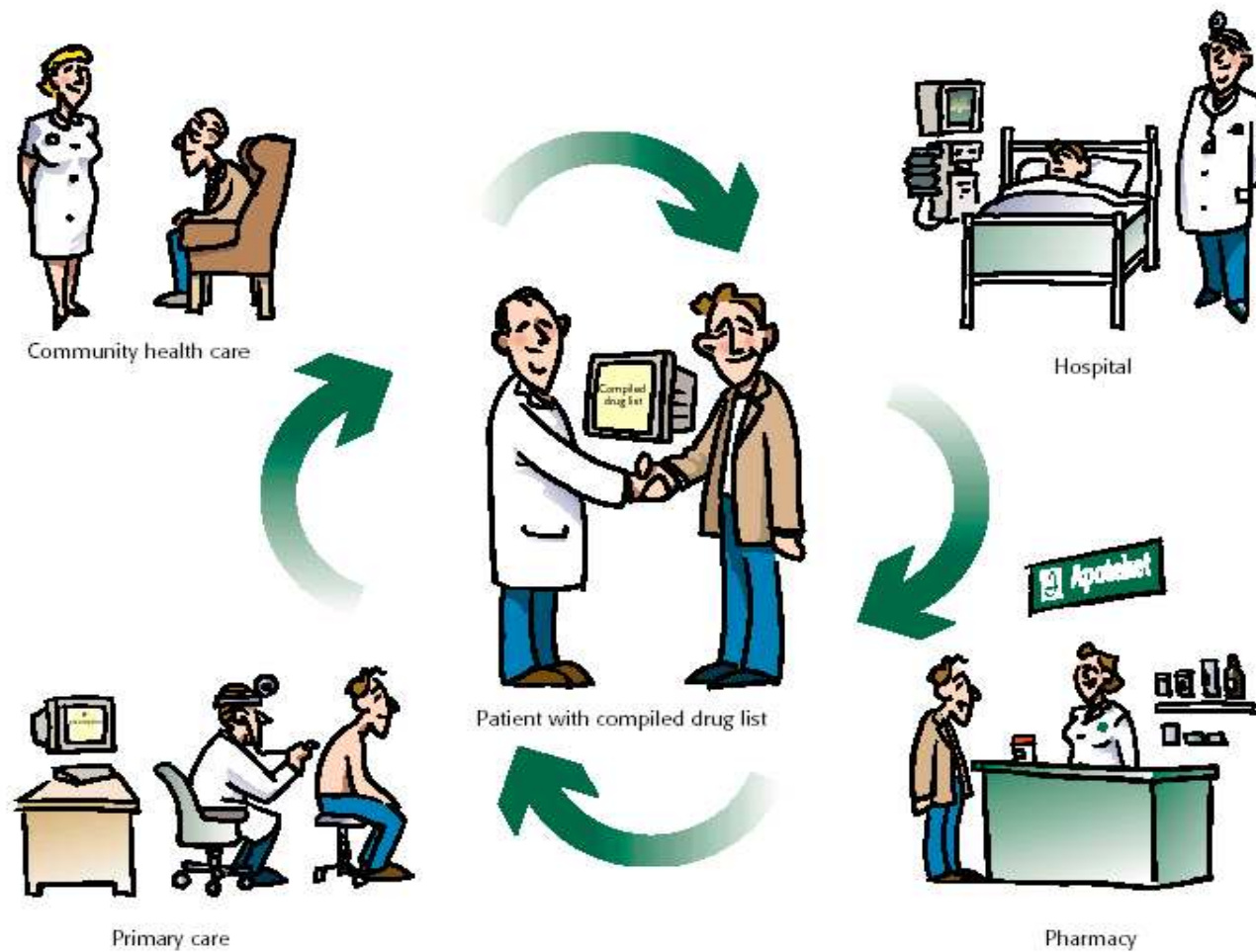


Teleradiology Sweden - Barcelona

- Teleradiology
- Remote analysis of MRI
- Bridging lack of specialists in northern Sweden
- Possible expansion to pathology and ophthalmology
- 2 Mbs secure VPN connection to Sjunet



Common Medication Record



Common Medication Record

Gemensam Läkemedelslista - Projektledare Staffan Dahlin - Microsoft Internet Explorer

Sortera genom att klicka på en understruken överskrift. För att se detaljerade uppgifter om ett visst insatt läkemedel - klicka på aktuell rad i tabellen nedan.

Sätt in nytt **Skriv ut**

Läkemedelsnamn ATC-kod	Beregningsform Styrka	Insatt Utsatt	Typ	Dosering Ändamål	Förskrivare Enhet	Expedieringar
Laktulos apelsin pharmacia & upjohn A06AD11	mixtur 670 MG/ML	2001-05-23 -	S	Detaljerad dosering... mot förstoppning.	Dr Medidoc AB Vårdc. Bergsjön	(0 av 1 exp.)
Cipramil N06AB04	tabletter 10 MG	2002-10-01 -	S	1x1 x	Staffan Dahlin, ITC Vårdc. Bergsjön	(1 av 1 exp.) 2003-02-25
Cipramil N06AB04	tabletter 10 MG	2002-11-13 -	S	1x1 x	Staffan Dahlin, ITC Vårdc. Bergsjön	(1 av 1 exp.) 2003-03-04
Mildison lipid D07AA02	kräm 1 %	2003-01-08 -	VB	vid behov mot eksem	Staffan Dahlin, ITC Vårdc. Bergsjön	(0 av 1 exp.)
Panodil N02BE01	SUPP	2003-01-10 -	VB	Detaljerad dosering... -	Janni Kajbrink Vårdc. Bergsjön	(0 av 1 exp.)
Cyklor C01CA04	Tabletter 12 Mg	2003-01-10 -	VB	Detaljerad dosering... -	Janni Kajbrink Vårdc. Bergsjön	(1 av 1 exp.) 2003-03-12
Norvasc C08CA01	tabletter 5 MG	2003-02-07 -	S	Detaljerad dosering... för blodtrycket	Staffan Dahlin, ITC Vårdc. Bergsjön	(0 av 1 exp.)
Abbotin novum J01FA01	tabletter 500 MG	2003-02-13 -	VB	ww aaa	Test Person FTV Skultorp Skövde	(0 av 1 exp.)
Kåvepenin J01CE02	tabletter 1 G	2003-02-27 -	VB	1x2 -	Test Person FTV Skultorp Skövde	(0 av 1 exp.)
Panodil RT0312	Brustablett 500 mg	2003-03-12 -	VB	(2 1/2 x 2) Mot värk	Dr Demo Vårdc. Bergsjön	(1 av 4 exp.) 2003-03-12
Panodil RT0312B	Brustablett 500 mg	2003-03-12 -	VB	(2 x 1) -	Ronny Thörnvall SU, Medicin Östra	(1 av 3 exp.) 2003-03-12
Miniderm D02A	KRAM 20 %	2003-03-20 -	VB	Mjukgörande kräm Mot torr hud	Janni Kajbrink Vårdc. Bergsjön	(0 av 1 exp.)
Bricanyl turbuhaler	INHAL-PULV	2003-03-20	S	1-2 inhalationer vid behov	Janni Kajbrink	(0 av 6 exp.)

Evaluation of Sjunet

Benefits of Sjunet infrastructure - Main groups

Increased
collaboration

Increased access to higher
knowledge/competence

Increased use of
advanced equipment

Less physical
transports

Increased opportunities for external
communication with healthcare

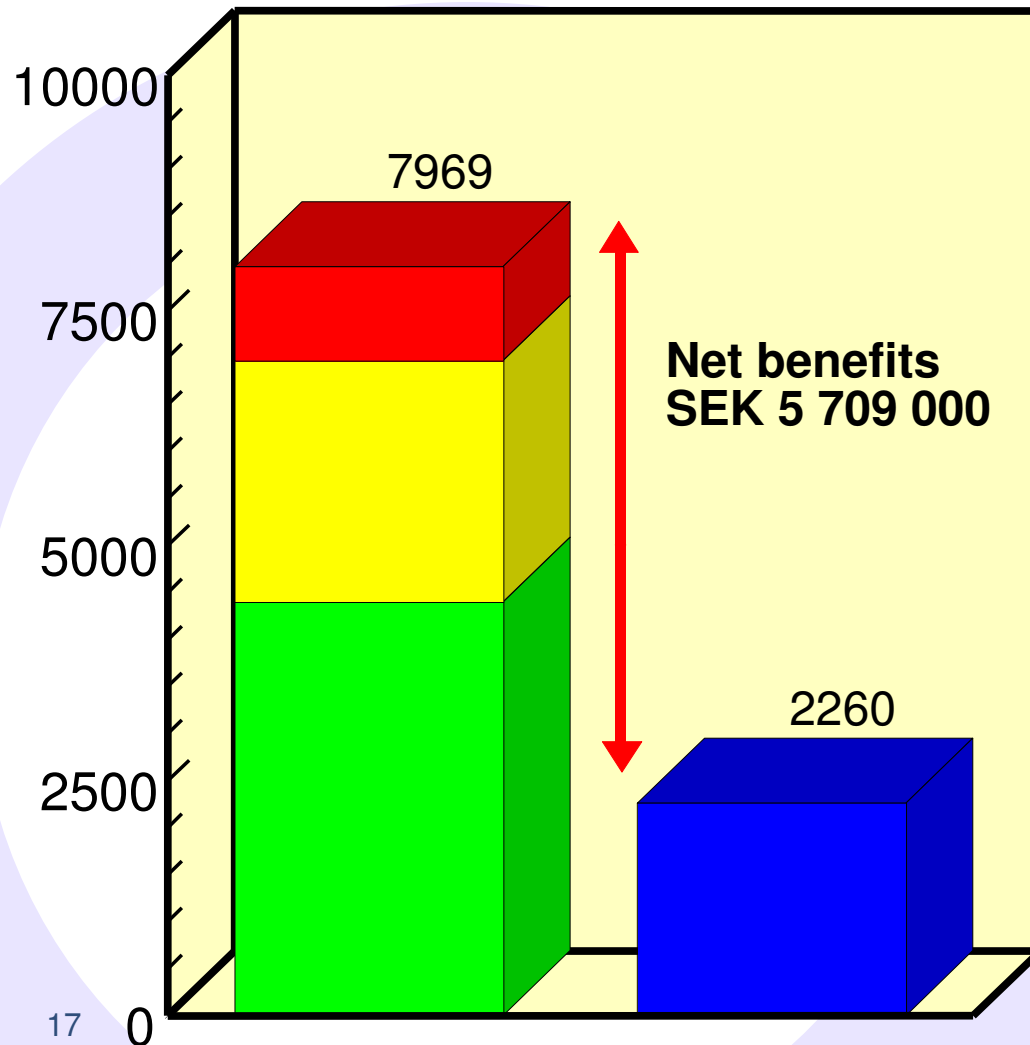
Reduced costs
for personal

Increased access to
medical information

More effective
education



SJUNET- C/B analysis in Uppsala



- Costs for the benefits
- Intangible benefits
- Indirect benefits
- Direct benefits



... a better Healthcare

