



Interoperabilitet

IT-baserad samverkan med verkan

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Bakgrund

- Brist på interoperabilitet stort problem inom hälso- och sjukvården
 - Mängder av system idag som inte samverkar
 - Den patientinriktade utvecklingen kommer att öka mängden ”system/tjänster”
 - Riksrevisionen 2011 ”Samverkan utan verkan”
 - Patientcenterad vård skapar nya utmaningar
- Fokus fram till idag
 - Teknisk och semantisk interoperabilitet
 - En princip dominrar -> unifiering (standardisering)
 - Saknas verksamhets- och IS-perspektiv på interoperabilitet
 - Speglar också forskningen inom området
- Interoperabilitet står högt upp på agendan inom EU
 - En av aktionspunkterna vid senaste ministerkonferensen om eHealth (2011)
 - European eHealth Interoperability Roadmap (2010)

Förändring

Nivå av förändring

Inter-organisatorisk
(3:e nivå)

"Information technology and
Organizational Transformation"
(Scott-Morton 1991)

Strukturell
(2:a nivå)

Lokal
(1:a nivå)

Förändringens natur

Hard vs Soft systems thinking
(Checkland 1989)

Hårt
(aktivitet, produkt)

Förbättring
(Inkrementell
1:a ordningen)

Innovation
(Radikal
2:a ordningen)

Reorientering
(Strategisk
3:e ordningen)

TQM

BPR

Ambidextrous Organisations
(Tushman and Reilly 1996)

Mjukt
(kunskap, värderingar)

Perspektiv på förändring

Begreppet Agility

Agility:

(Christoffer and Towill, 2000)

"A business-wide capability
that embraces organizational
structures, information
systems, logistical processes
and in particular, mindsets"



Enterprise Architecture

Agility dimensioner

(Alberts and Hayes, 2006)

- Robustness
- Resilience
- Responsiveness
- Flexibility
- Innovation
- Adaption



Interoperabilitet

Generell definition (Wikipedia 2012):

Interoperability is a property referring to the ability of diverse systems and organizations to work together (inter-operate). The term is often used in a technical systems engineering sense, or alternatively in a broad sense, taking into account social, political, and organizational factors that impact system to system performance.

eHealth Interoperability (EU - ICT for Health: hämtat från webb 2012):

Interoperability can be defined as the capability for independent and heterogeneous health information systems to exchange health-related data for use by doctors, healthcare providers and patients.

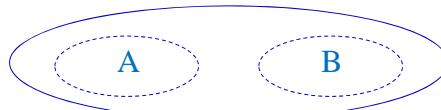
Interoperabilitet står högt upp på agendan inom EU (EU - ICT for eHealth 2012)

The full benefits of eHealth services and tools will not reach patients unless a high level of interoperability is integrated at the heart of their design and deployment. Healthcare providers need to co-operate extensively with each other, and with their suppliers, to ensure that their services are well connected.

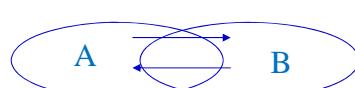
Interoperabilitetsprinciper

(Solotruck and Kristofic 1980, Magoulas and Pessi 1998, Hugoson et al 2008)

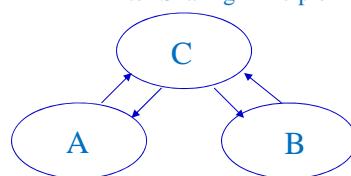
Unification Principle



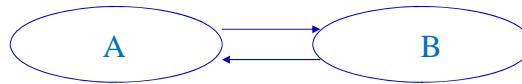
Inter-Section Principle



Inter-Sharing Principle



Inter-Linking Principle



Arkitekturdesign – Differentiering och integration

