

The (national) data and services infrastructure

An overview of FUT – Fælles Udbud af Telemedicin

Christian J. Callsen
Partner, OptimumIT

Scaling telehealthcare in Denmark

Experience

- Telehealthcare is actively in use Denmark (Danish regions and municipalities)
- Evidence suggests significant benefits for patients/citizens and clinicians
- Experience with (among many) COPD 2010-2015 suggests that nationwide scale is feasible
- Potential national scale levels
 - COPD ~ 5.000 – 10.000 citizens
 - Wound care ~ 5.000 – 10.000 citizens
 - Diabetes ~ 300.000+ citizens
 - ...

Scaling considerations

- Single, scalable, nationwide solutions
 - (Out)Patient treatment in hospitals
 - Citizen care by local municipalities
- 98 municipalities and 5 regions = 103 actors
- Many potential telehealthcare areas
- Nationwide sharing of patient health information
 - Systems need data locally
 - Sharing using national infrastructure (Danish Healthdata Authority)
- Handling telehealthcare device logistics
 - Separate the clinic from the delivery
 - Support easier use of commercial vendors

FUT = Fælles Udbud af Telemedicin ("Common tender for telemedicine")

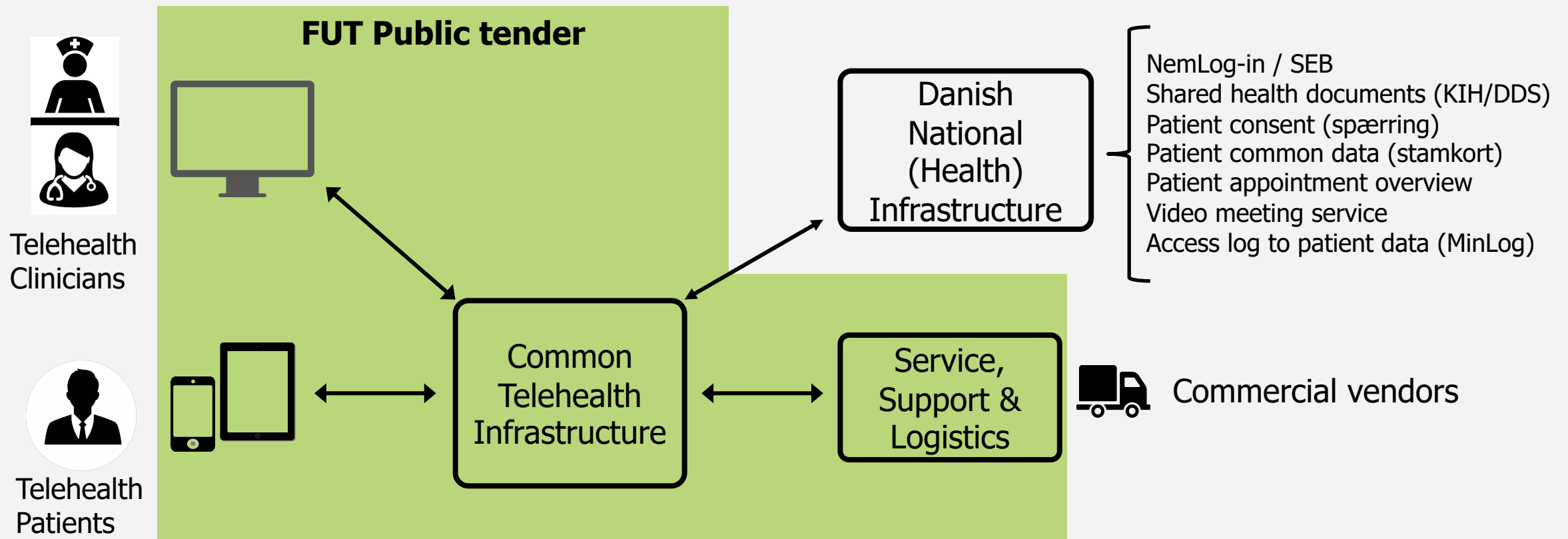
Requirements

- Support for clinicians
 - Login and access control under local control
 - Set up and assign telehealthcare packets
 - Order devices for patients; track and trace delivery
 - Team-based monitoring of patient measurements and questionnaire responses
 - Interaction (text, video) with patients
- Support for patients/citizens
 - Initial login using national citizen log-on; subsequently by pin, face-id, fingerprint
 - Assist patient in making measurements and responding to questionnaires
 - Interaction (text, video) with clinicians/team

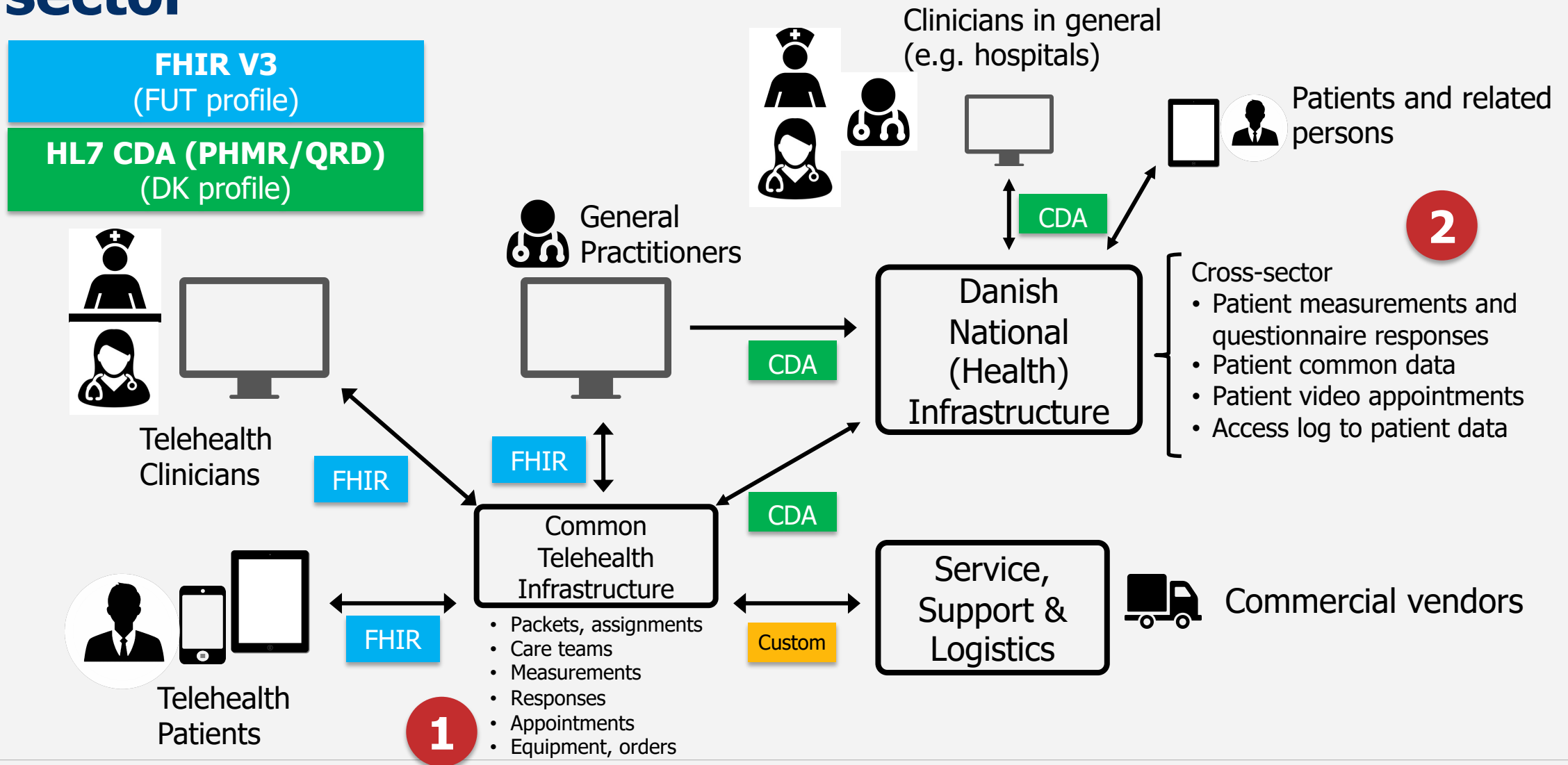
Procured

- A platform (Common Telehealth Infrastructure)
 - Contains packet definitions and assignments
 - Receives and contains measurements and responses
 - Common functionality across healthcare areas
 - Facilitates/carries interaction (text, video)
 - Facilitates logistics
 - National sharing
 - Scalable, cloudbased infrastructure
- A solution for clinicians
- A solution for patients/citizens
- A solution + API for logistics vendors
- COPD is just initial "case"; others to follow

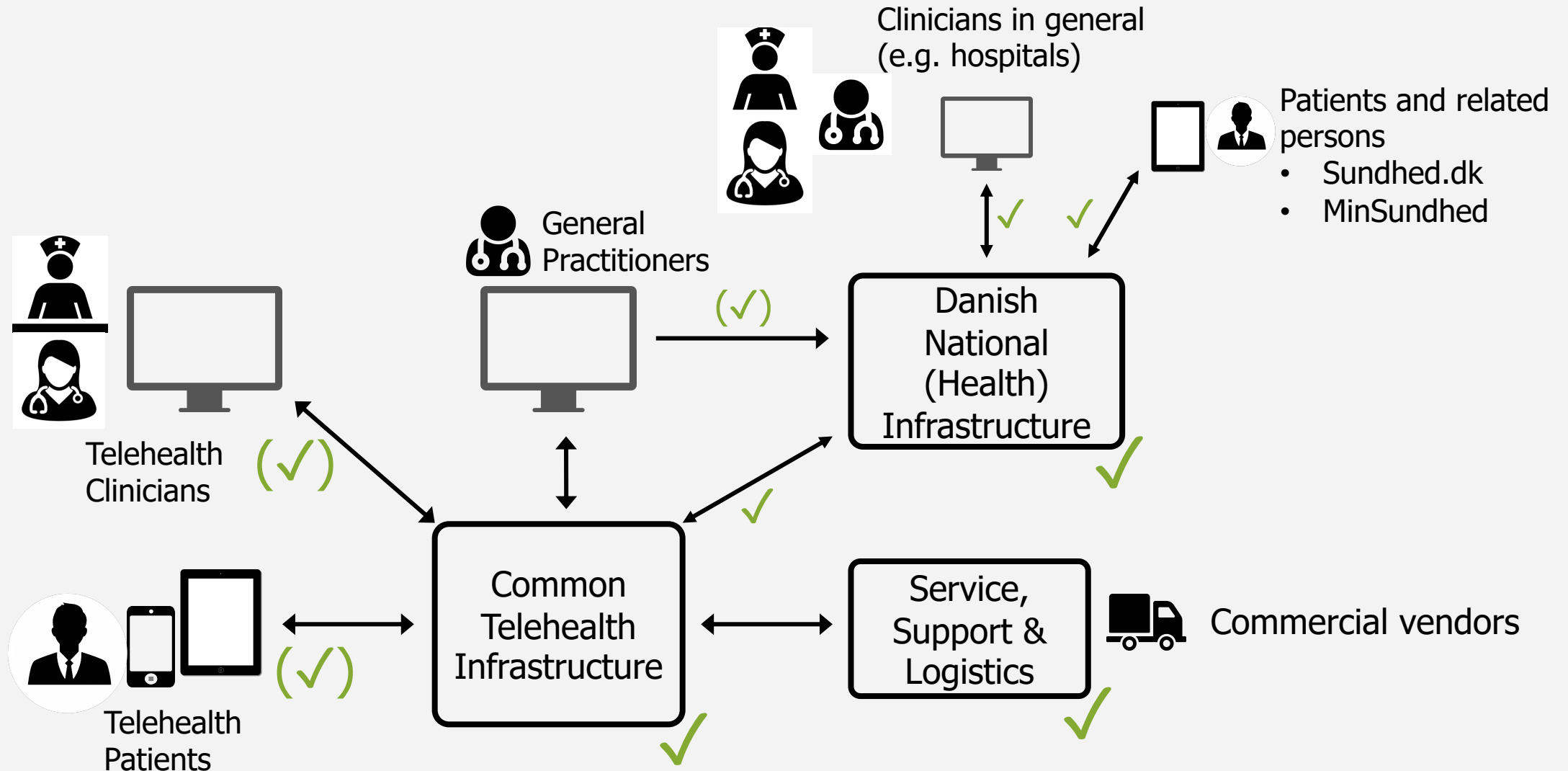
FUT – A common platform, clinician and patient telehealth ecosystem



FUT – Supporting data sharing in the danish health sector



FUT – Deployment status





Questions (please)?



**Vi skaber sammenhæng i
digitaliseringen af den
offentlige sektor**

www.OptimumIT.dk / info@OptimumIT.dk