

An open platform supporting Home Hospitalisation

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Home Hospitalisation



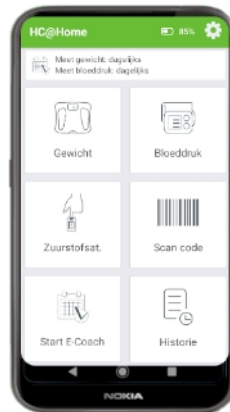
- Safely keeping the patient in their own environment, away from the hospital
- NWE-Chance: heart failure patients
 - released home early from the hospital
 - hospitalized directly at home
 - regular nurse visits
 - ~5 days
- Caregiver (mostly) at a distance
- Home Hospitalisation Platform (HHP) fills the gap


NWE-Chance Home Hospitalisation platform



- Demonstrate that:
 - It is possible to integrate systems from different vendors into a platform, relevant for hospitalisation of heart failure patients
 - Such a platform can appear as a single system, easy to use
 - New vendors should be easy to add

NWE-Chance Home Hospitalisation platform



App / portal (HC@Home) 



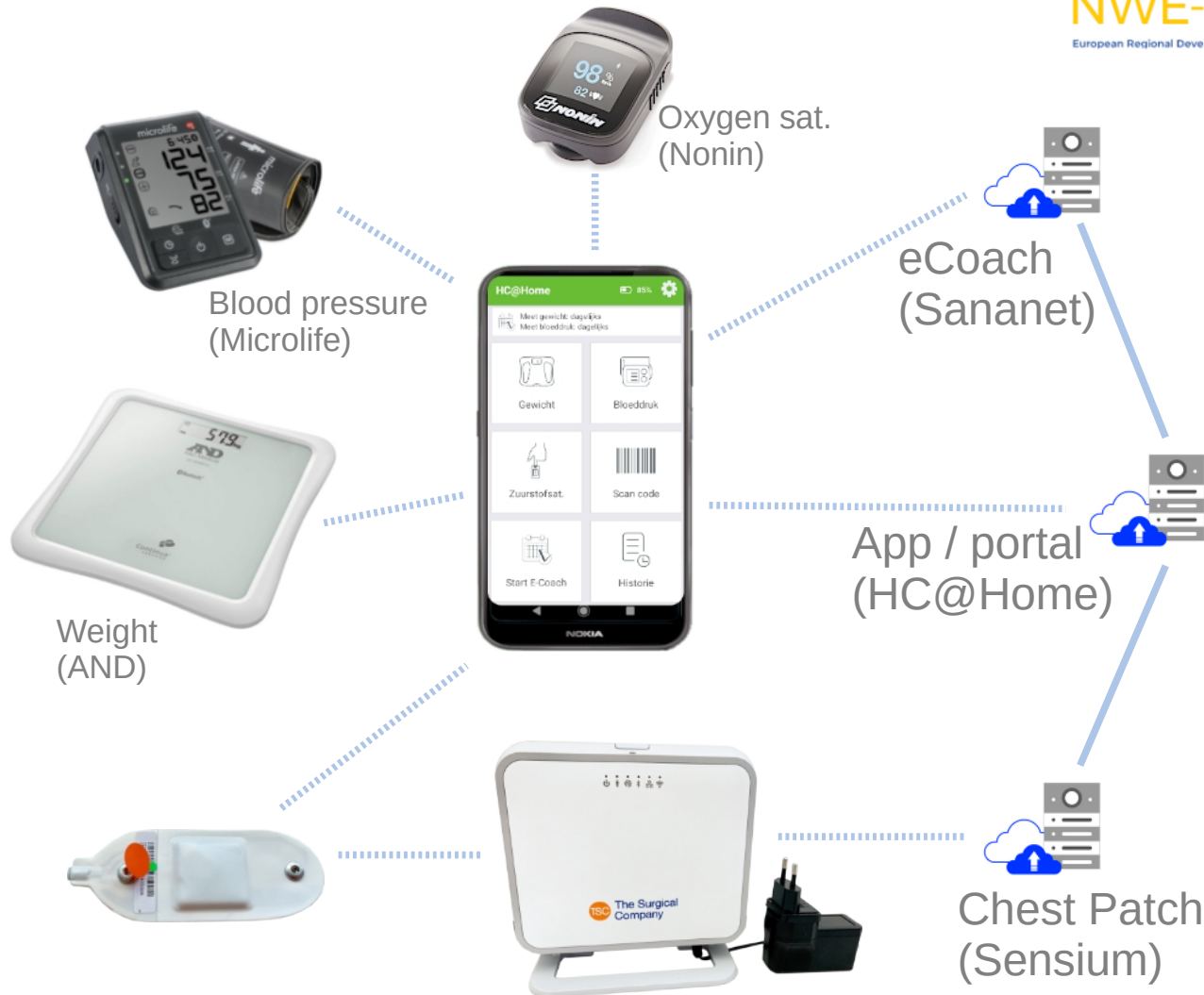
NWE-Chance Home Hospitalisation platform



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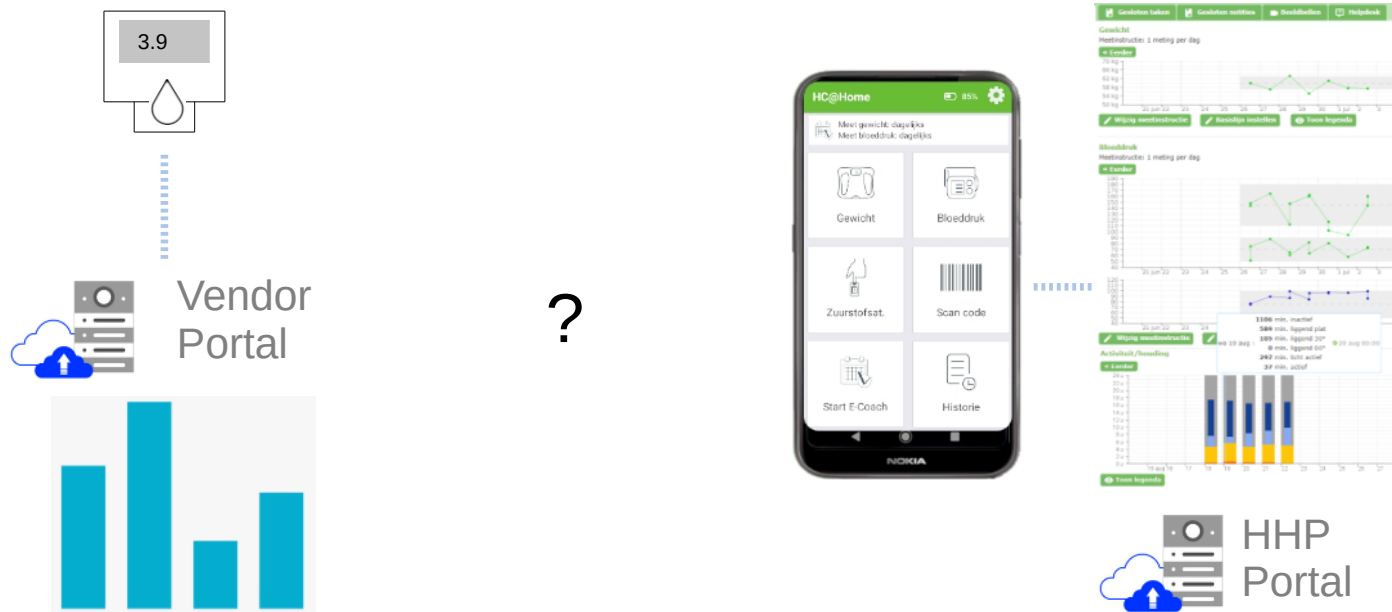
On platform openness



- What is “open”?
- Technical: open source, open standards
- Corporate: open to cooperation?
- Core vision

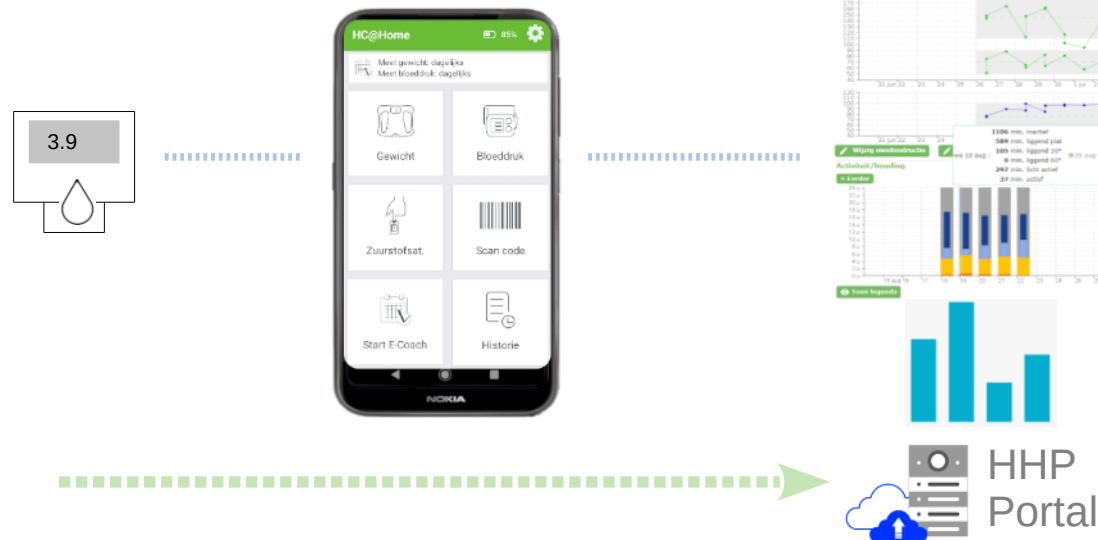
Integrating a new vendor / system

- Example: adding a new device
- Measures kidney function using a drop of blood
- Existing service, measures and transmits to vendor backend (+visualization)



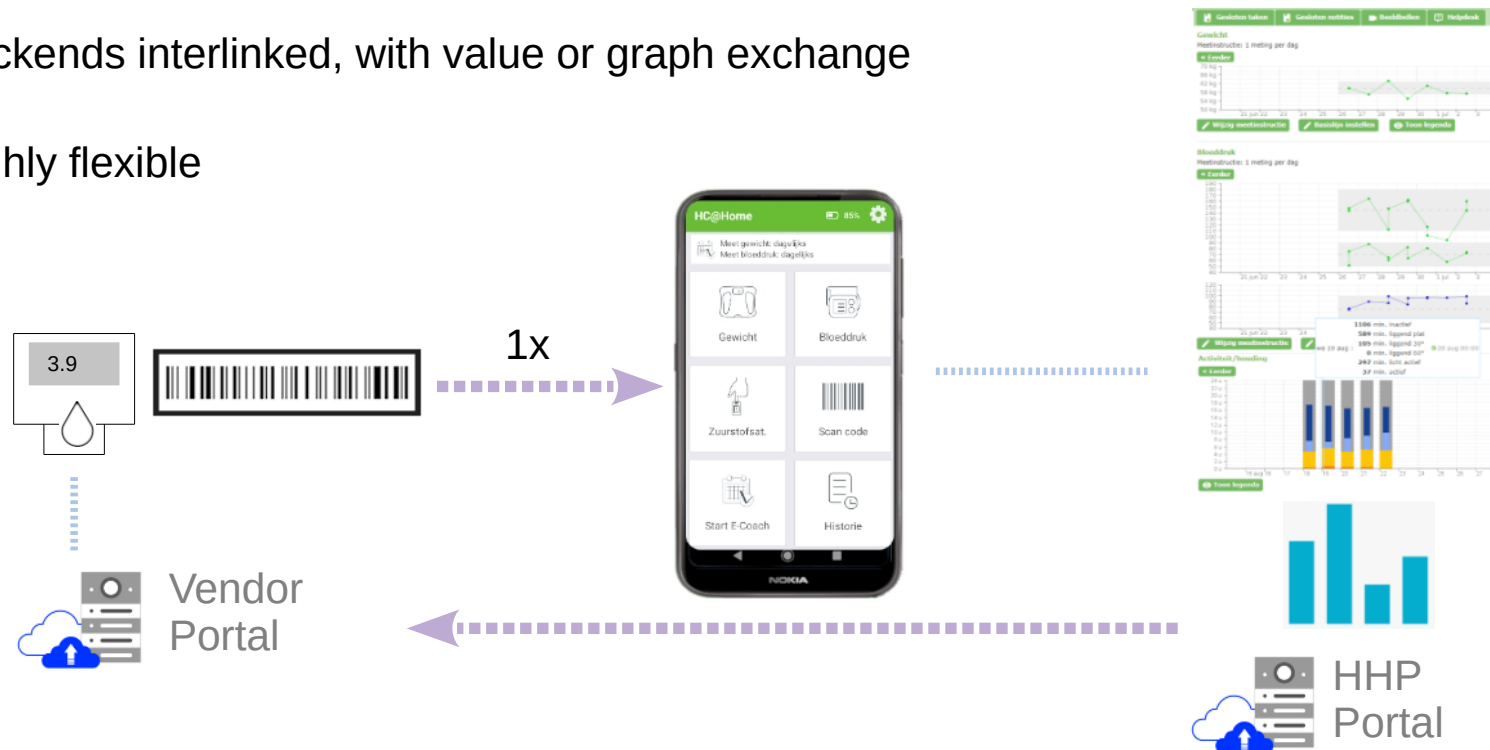
Tight integration

- Direct connection from sensor to smartphone app (e.g. Bluetooth)
- Values transferred to app, which relays to caregiver dashboard
- Visualization recreated in dashboard
- Immediate control / feedback



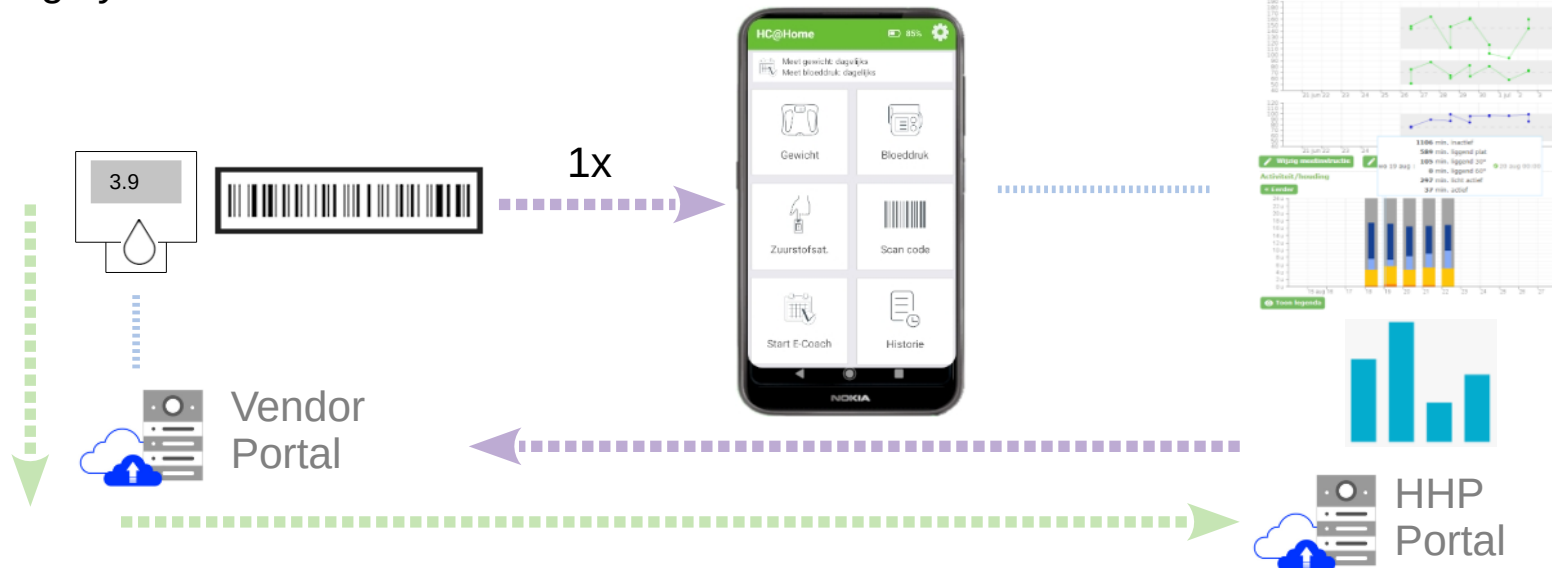
Loose integration

- App links sensor with scan-and-verify (camera)
- Values relayed and algorithmic processing via existing proprietary service
- Backends interlinked, with value or graph exchange
- Highly flexible



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Summary

- NWE-Chance Home Hospitalisation Platform: six different vendors
- Patients and care professionals found the platform easy to use during the pilot with heart failure patients
- Quick integration of existing / new systems possible through tight or loose integration
- Strategies applicable in general, regardless of how “open” or “closed”
- Cooperation to combine the strengths of individual systems and create vastly more relevant systems in digital healthcare

Interreg



North-West Europe

NWE-Chance

European Regional Development Fund

Thank You!