

Moving Life Project :

mhealth interoperability

Orange Healthcare

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mHealth is a fuzzy concept, covering many different kind of services.



**Mobile devices
for care givers**

**Mobile access
to HIS &
clinical
systems**



**Data
collection**

**Tele
assessment**

**Education &
Awareness**

**Personal
emergency
system**

**Wellness &
prevention**

Tracking



**Remote
monitoring**



A first breakdown based on usage

Services for Health Professional

Mobile devices
for care givers

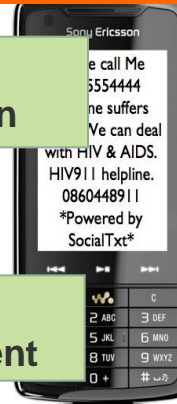


Mobile access
to HIS &
clinical
systems

Health management

Data
collection

Tele
assessment



Remote
monitoring



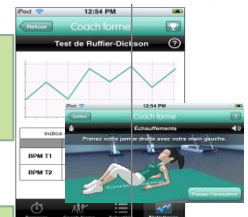
Prevention and wellness

Education &
Awareness

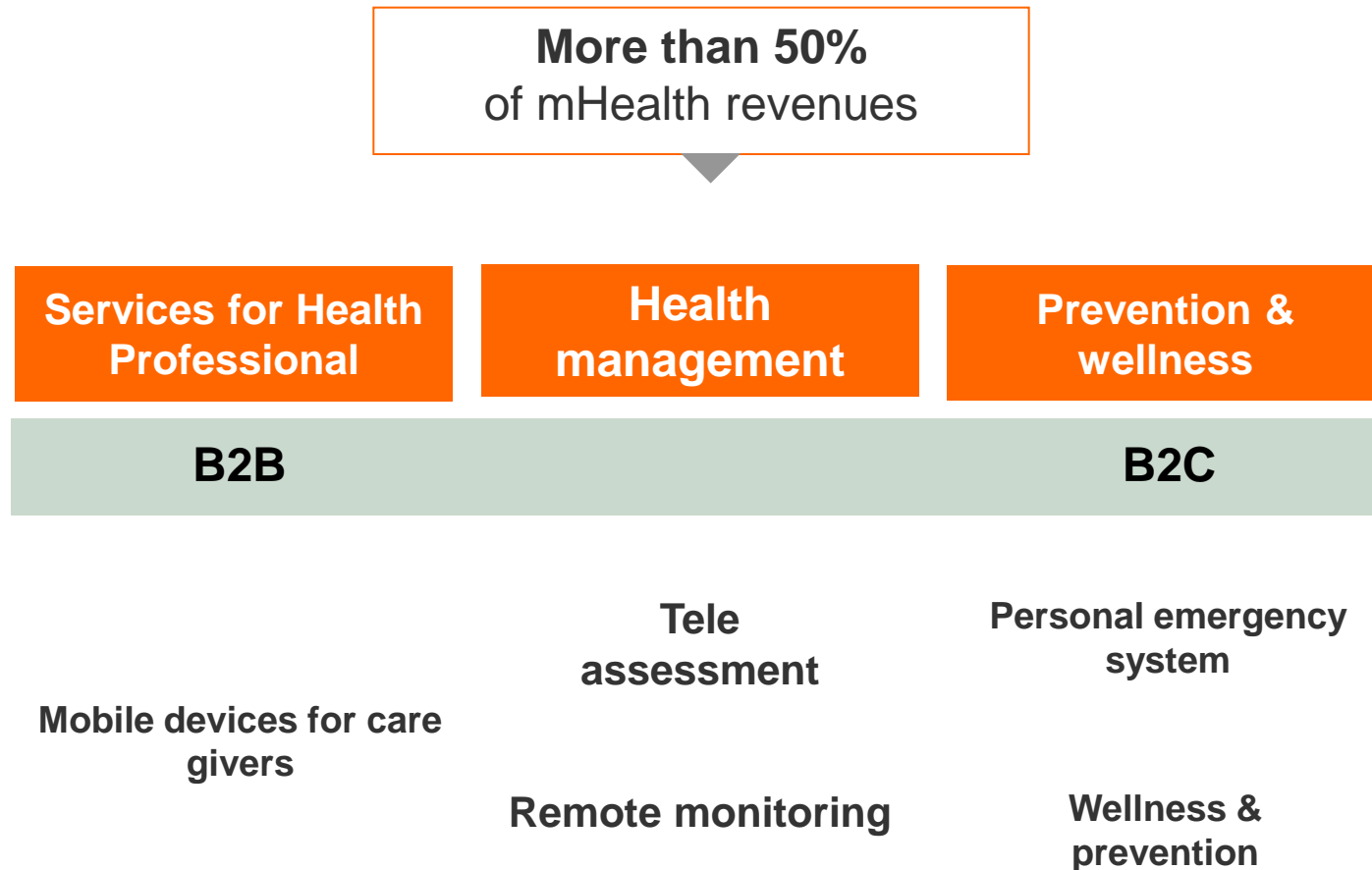
Personal
emergency
system

Wellness &
prevention

Tracking



mHealth is about efficiency but also about access to health
In any case, it's mainly about health management





remote monitoring Services
are on their way

Orange Healthcare

In health management, devices are key but telcos provides access and security.

Orange has already been working with devices manufacturers like Sorin on chronic disease

It starts with a device, **but**

- it's all about remote access to data & intermediation
- with high security standards

1 - Measure



2 - Intermediation

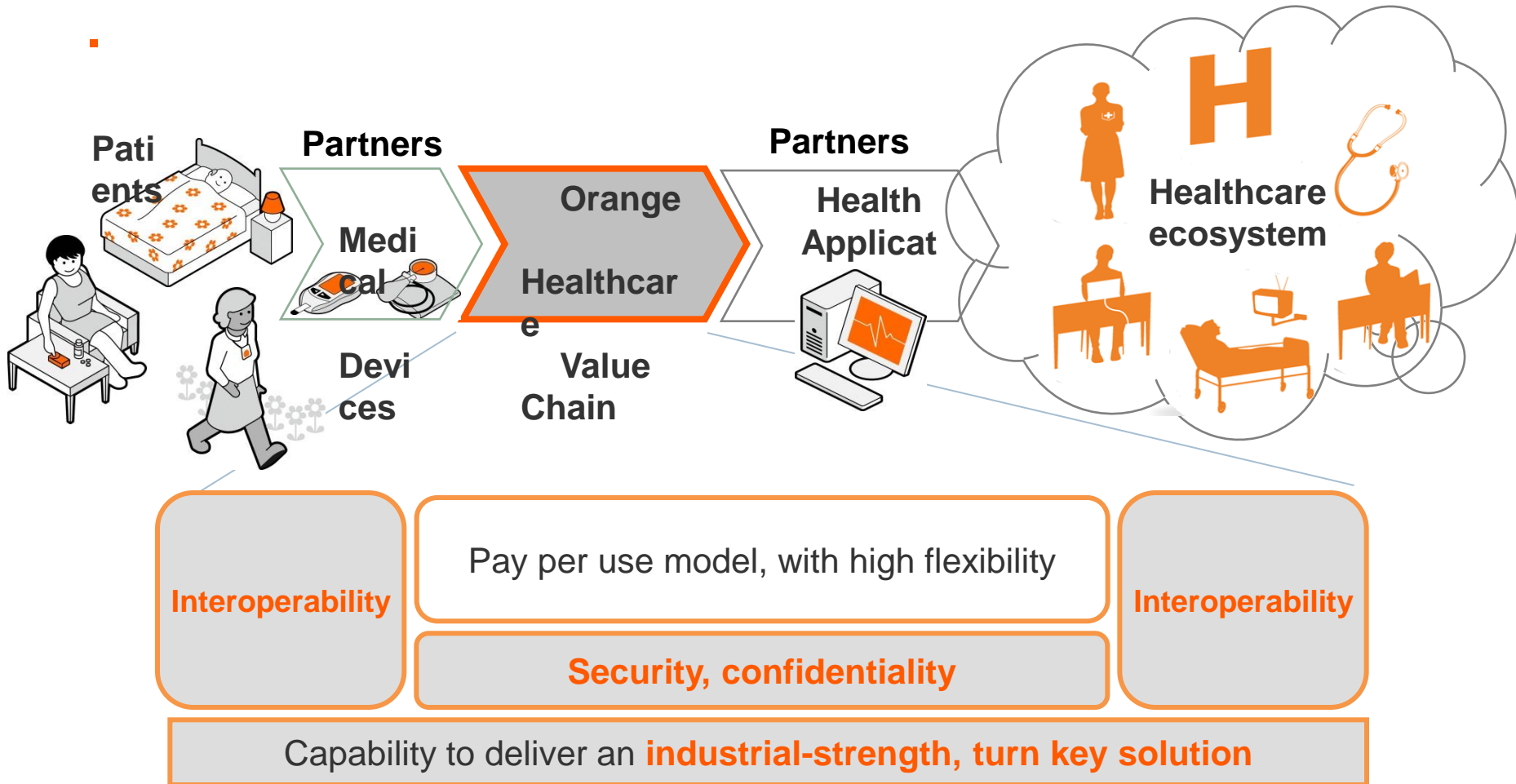


3 - Analyze



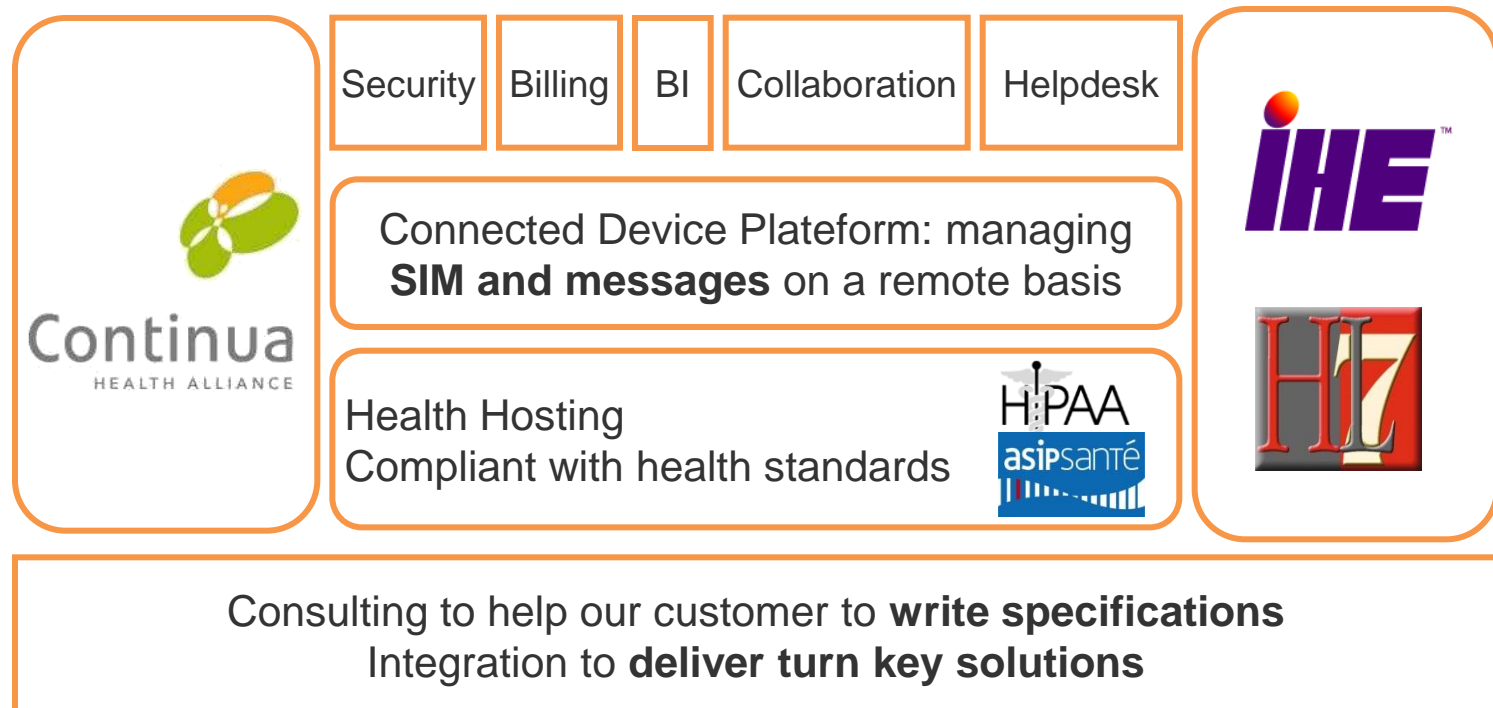
- **France, United Kingdom, Spain, Germany, Italy, Canada:** SMARTVIEW, a remote monitoring device for patients with arrhythmia using defibrillators that transmit data, in cooperation with the Sorin Group

Healthcare processes are in place, every actor has its place, as a Telco, we are positioned between device and software players, integrating innovation in healthcare process.



In order to overcome the complexity of an end to end e/mhealth result, we believe that standards, norms and interoperability are a key and pre-requisite to market developpment / industrialisation of e/m-health solutions..

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What is Interoperability?

It is the ability to communicate and exchange data accurately, effectively, securely and consistently with different IT systems, software applications and networks in various settings

Continua Health Alliance : is an organization bringing patients, caregivers and healthcare providers together whose aim is **to establish a system of interoperable** personal telehealth solutions. Continua develops **interoperability guidelines** and a **product interoperability certification program** with a consumer-recognisable logo. Continua also engages with regulatory authorities and governments to address cost, safety and security of personal health systems.



Why encouraging interoperability?

- > Easier and Faster Access to Patient Information (national and international)
- > Better Diagnosis, quality of treatment and better Patient safety
- > Cost Efficiency Improvement
- > More consumer choice, market development and improve competition
- > More end to end security of Data transfers (national and international)

How to move forward and face Interoperability obstacles

- > Inconsistent use of existing ICT Standards
- > Fragmentation of Healthcare systems across Europe
- > No clarity on Privacy and Data Protection
- > Set up clear Governance
- > Training and Education on ehealth interoperability

Take aways

- For Orange Healthcare, mHealth is about **Health Management** to increase healthcare effectiveness or increasing access to healthcare
- Healthcare actors and their place in the value chain are set but we need **interoperability to insure end to end solutions**.
- Encourage **common standards** at national and international Level.
Team
- Need **Governance , Leadership and Pragmatism**
- Health **policy support**, including the perspectives of healthcare provider organizations and healthcare professional bodies.
- End users's **Training and Education**

Thank you

