The importance of interoperability for the UNCAP framework
AHA O&M Profile

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What is UNCAP?

- ICT infrastructure designed to help aging people live independently.

- UNCAP make use of solutions and technologies developed in previous research projects and on the shelf devices.

- UNCAP ("Ubiquitous iNteroperable Care for Ageing People").
Interobability

- Hospital
- Clinicians
- Next of kin
- Lab
- Pharmacy
The importance of interoperability

- “standardized health care information exchange and interoperability could yield a net value of dollar 77.8 billion per year once fully implemented” *

- “25% of medical errors and adverse events might be prevented if devices could share information seamlessly.” **

** The online survey, Gary and Mary West Health Institute 2015. Responses of 526 nurses.
Active and Healthy Ageing O&M

- Until a common set of standards is accepted and implemented across all healthcare settings, electronic health information cannot cross from one system to the next.

AHA O&M Profile
O&M Profile

- O&M offers the potential for developing a harmonized approach to information management.
- O&M provides a key component to define interoperable data models across multiple data themes.
AHA O&M Profile

- We have collected some of the measures that will be used in UNCAP (is an ongoing process)
  - Collected from deliverable on use cases
  - Collected from technical providers
  - Collected from NON technical providers (doctors, nurses....)
AHA O&M Profile

**MeSH** (Medical Subject Headings)
- Average time in bed
- Attention
- Excitement

**SNOMED** (Systematized Nomenclature of Medicine)
- Fatigue
- Time spent alone
- Affinity

**LOINC** (Logical Observation Identifiers Names and Codes)

**UMLS** (Unified Medical Language System)
The importance of AHA O&M in UNCAP

Interoperability in UNCAP will provide:

New devices and new device providers

UNCAP success
Questions?