New Healthcare Services

**Major impact of ICT on Healthcare**
- Electronic/Personal Healthcare Record (EHR/PHR)
- Mobile Health (mHealth)
- Home Healthcare Services
- Remote Patient Monitoring (RPM)

Reliability of Medical Measurements

**Physicians need to rely on patients’ measurements**
- Evaluate the patient’s health condition
- Prescribe appropriate treatment

Proposed Architecture

**Goal:** Assist the Doctor in decision making

**Reputation System**
- Capture Patient Behavior

**Data Qualifier**
- Evaluate quality of medical measurements

**Trust Indicator**
- Aggregate Reputation and Data Qualifier
- Visualize the results

RPM & Home Healthcare

**Goals**
- Monitor chronically ill
- Assist elderly
- Monitor Health/Fitness
- Improve quality of patient life
- Reduce cost of hospitalization

**Features**
- Patients take medical measurements at home in an unsupervised environment
- Doctor evaluates patient health condition remotely
- Patient Data are stored (EHR/PHR) for future use (Health evaluation, Research studies)

New Challenges in Home Healthcare

- Privacy and control of patients information
- Compliance with treatment
- Trust to the Service
- Reliability of information and medical measurements

Impact

- Establish trust between healthcare providers and patients
- Establish trust between healthcare providers and the services
- Acceptance of new services by Healthcare providers

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