DHP-Transform: Implementation decisions by designing, developing and evaluating a model for Digital Health Transformation

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1. **STATE OF THE ART:**
   - Digital Health Transformation (DHT) is leading to integrated and personalised healthcare.
   - DHT is indispensable in supporting Healthcare Delivery Organizations to respond to the increased incidence of chronic diseases (moving away from episodic and acute care).
   - DHT requires a new theoretical framework guiding implementation, embedding, integration, and evaluation of digital technologies in healthcare practice.

2. **DHP TRANSFORM: A MODEL OF IMPLEMENTATION & INTEGRATION**

   **DHP-Transform will develop a model supporting DHT, identifying patterns, presenting a theory for implementation decisions, and addressing the implementation aspects.**

   **Benefits:**
   - working processes (care pathways)
   - receipt of care by patients
   - administration of care by clinicians
   - provision of care by organisations
   - implementation of regulatory/legal requirements
   - involvement by society

3. **Patient-centred Information Systems for Cancer**
   Muhammad Mohsin, University of Galway

   Development of a Patient Information system that ensures simple and safe access to patients’ health records. This system elevates care quality through secure and efficient use of patient histories, treatment protocols, and communication.

4. **Conversational Agent (CA) for Architecture Health & Well-Being Empowerment**
   Maryam Nawaz - IVI, Maynooth University

   Most CAs are implemented as disease and health condition specific. There is a lack of architectural implementation in terms of health empowerment elements understanding, decide and act.

5. **Visualisations for Enhanced Patient-Centred Communication**
   Hillary Azungah, University of Limerick

   The project investigates patient information preferences in cancer care, seeking to inform the design of intuitive, patient-centered digital health interfaces/visualisations.

6. **Development of an Ethical Big Data Governance Framework**
   James Mathew, University of Limerick

   Developing an ethical big data framework for Precision Medicine use case. The framework is developed in the context of big data models, policies and standards, to handle personal health data ethically.