Health and Humanitarian Logistics Conference

Critical Success Factors in the Adoption of an Electronic Personal Health Record: The BIOCARNET Case



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ABSTRACT

The health information for Mexican citizens has been documented in a physical, paper-based, National Health Carnet. Personal health records are dispersed and fragmented in multiple institutions, including hospitals, labs, pharmacies, several doctors offices, and different regions. As a consequence, the interest to integrate a comprehensive and longitudinal health information record from birth to death has triggered the design and implementation of BIOCARNET, an Electronic Personal Health Record (ePHR) that is free, web based, mobile, interoperable, and platform independent in which the user has a unique ID, the CURP, for secure identity and access. BIOCARNET uses clinical guides and protocols to monitor and to alert of recommended checkups based in customized information (gender, age, weight, region, and physical activity) to prevent diseases and to promote a health prevention culture. The idea is similar to the carnet used to maintain the vehicle in excellent condition.

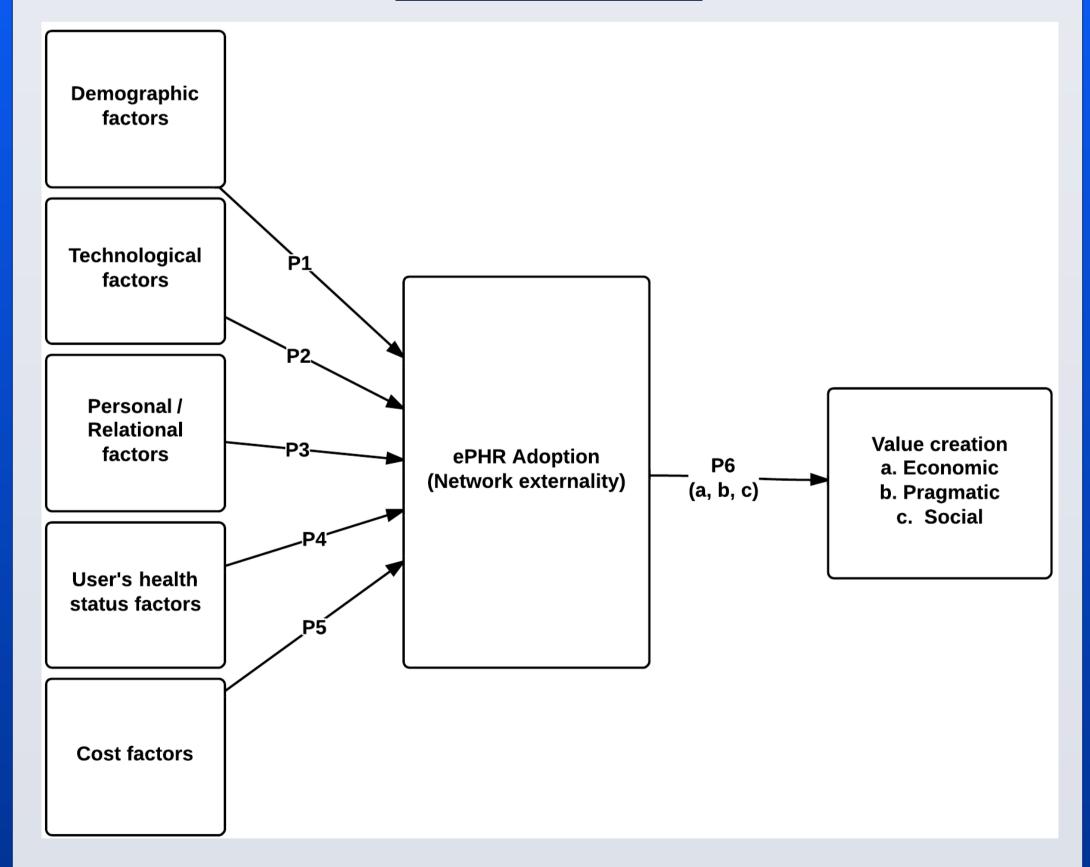


RESEARCH OBJECTIVE

This research analyzed:

- The ePHR's Critical Success Adoption Factors
- The ePHR's Stakeholders?
- The ePHR's value creation
 - Economic
 - Pragmatic 3. Social
- 4. The ePHR's Business Case

RESEARCH MODEL



RESEARCH METHODOLOGY

Exploratory

- Literature review
- Research

model

- Constructs definition
- Instrument
- design Interviews

Qualitative

- E-Delphi method with experts panel
- Proposed model validation
- Clicker: Socrative

Quantitative

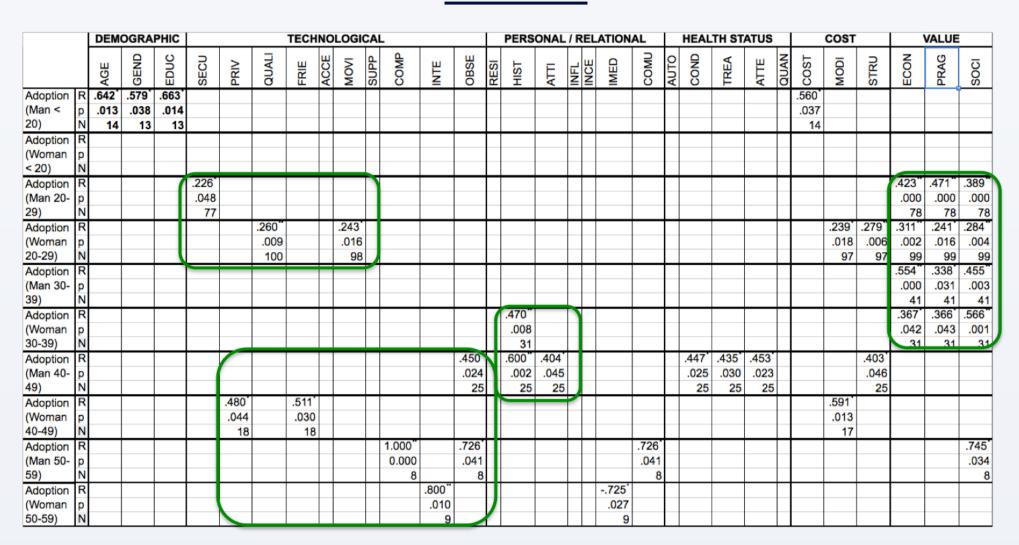
- Qualtrics survey
- 351 answers
- SPSS Statistics 22 **& AMOS 22**

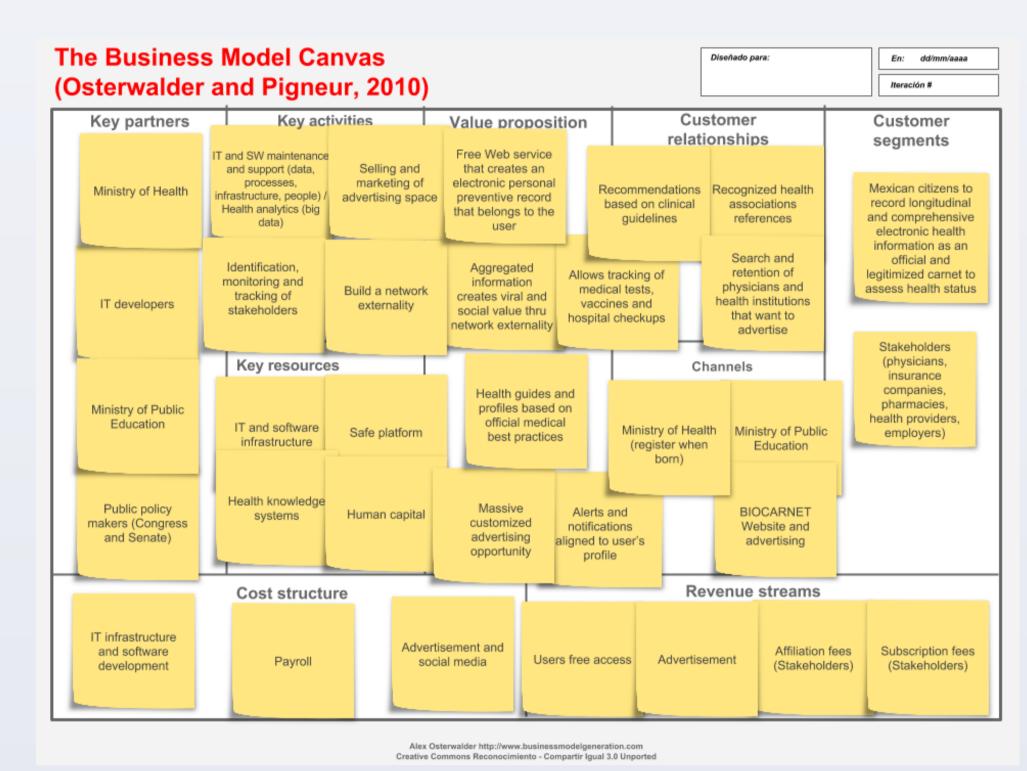
BIOCARNET Case Study

- Empathy Map
- Business
- **Model Canvas**

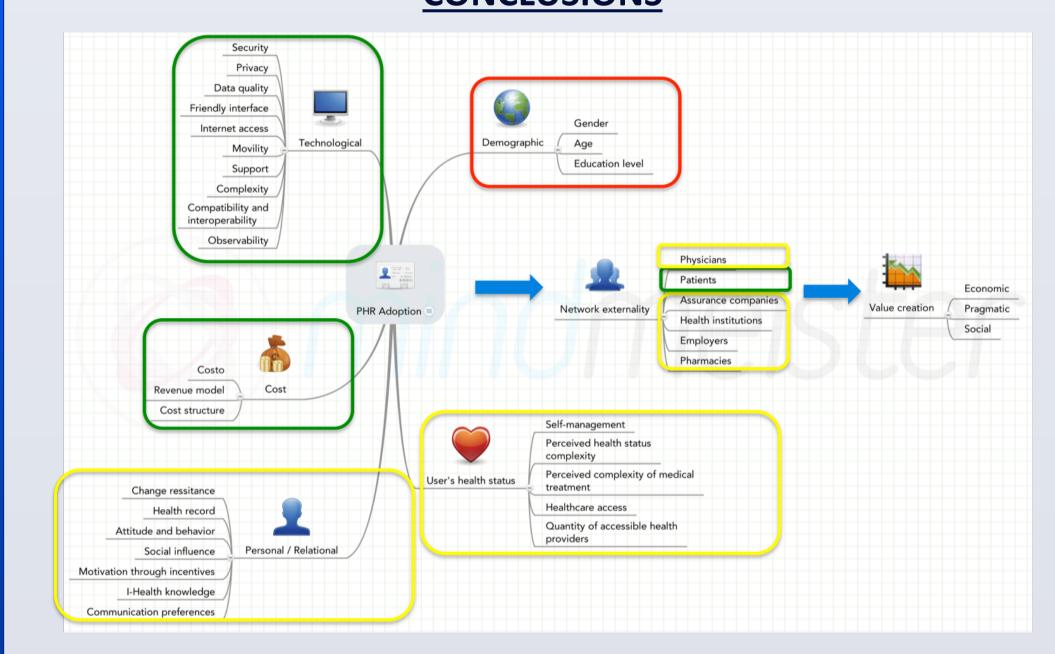
Business Case

RESULTS





CONCLUSIONS



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