



ITECH

eHealth taxonomy

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VISION



Medical Devices and eHealth Applications must be clearly and simply identifiable through a limited number of key-words (or identifiers)

✿ For **Medical Devices**,

✿ GMDN nomenclature is the basis for this identification.

✿ UDI (Unique Device Identifier) will use GMDN.

✿ This work has to be completed for the hundreds of thousands medical devices used throughout Europe.

✿ **eHealth** is a large domain including: Clinical Medical Records, Hospital Information Systems, Remote Patient Monitoring, Ambient Assisted Living, TeleHealth, Mobile Health, Connected Devices, ... and Big Health Data.

✿ An **eHealth application** must be clearly and simply identifiable.

✿ An **eHealth nomenclature has to be developed.**



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VISION



E-health: alliances between pharmaceutical and IT companies boost the market

- ✿ PARIS, January 22, 2016 (TICsanté) - The profusion of partnerships between pharmaceutical companies and digital companies omen "the arrival on the market of medicinal coupled to a digital offering," and raises new questions in terms of support, has estimated Pierre Leurent, cofounder of the company Voluntis, January 20 during a debate organized by the Pharma licensing club France (AHP).
- ✿ “The supply of pharmaceutical companies will rapidly evolve in the coming years by further integrating technological devices to facilitate monitoring of treatment by patients”
- ✿ **An eHealth nomenclature has to de developed.**



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Personal genomic
and biomarker data



EMR



PHR



Quantified
Self data



Personal digital footprint data

**Private & Secure
Personal Health
Data Storage**



*Licensing for
personal health
& wellbeing
services*

To build a eHealth Taxonomy

- ✿ There are (too) many definitions of eHealth, but no shared common definition.
- ✿ The domain is large, including:
 - ✿ Clinical Medical Records, Hospital Information Systems, Clinical Information Systems, Clinical Decision Support Systems, ...
 - ✿ Remote Patient Monitoring Systems
 - ✿ TeleHealth: Teleconsultation, Telesurveillance, Telemedicine, Telesurgery
 - ✿ Ambient Assisted Living, Homecare, TeleCare
 - ✿ Mobile Health, Connected Devices, Connected Health
 - ✿ Big Health Data ...
- ✿ Several Dimensions:
 - ✿ Technical
 - ✿ Medical: Tele-Cardiology, Tele-Radiology, Tele-Psychiatry, Wellbeing...
 - ✿ Health professionals, Patients, Procurers, Global population
 - ✿ Connection with medical devices



WHY



eHealth is partly a mature and partly a growing, innovative domain. A Taxonomy becomes indispensable:

- ✿ To allow the classification of scientific projects, papers, prototypes and products
- ✿ To identify the research teams, their domains of interest, their leaders
- ✿ To identify the industrial companies involved in specific domains of eHealth
- ✿ To identify the experts in the various fields of eHealth, both technical and medical
- ✿ To communicate with non-experts (policy makers, hospital managers, communication managers, patients, population, etc.)
- ✿ To promote scientific and industrial partnerships at European level



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HOW



The European Commission should take the lead of creating a eHealth Nomenclature (Taxonomy).

- ✿ By organising a first workshop with international experts from various origins to organise the workplan.
- ✿ By organising Working Groups on thematic issues
- ✿ By providing financial support for this project through a call for a proposal
- ✿ By building a comprehensive taxonomy available on the EU website, allowing contributions and co-operations between the different actors.



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- ✿ A Task group to identify the different dimensions of eHealth and propose a first skeleton for this taxonomy.
- ✿ To propose a CSA Action within the H2020 Programme
- ✿ In cooperation with:
 - ✿ Scientific societies (EFMI, EAMBES, IMIA, ...)
 - ✿ WHO
 - ✿ European Medical Societies and Associations
 - ✿ Industries
 - ✿ International experts
 - ✿ (Identify the role of the NLM (National Library of Medicine))

The logo for ITECH, featuring a colorful circular arrangement of stylized human figures in blue, orange, green, and purple, positioned above the word "ITECH" in a blue, sans-serif font.

ITECH EXPECTED IMPACTS



- ✿ A common language and common key-words supports the communication and collaboration between researchers, developers, industrials, stakeholders
- ✿ It will improve the projects' interdisciplinarity
- ✿ A standard taxonomy facilitates the categorisation of projects
- ✿ It contributes to the economic growth (through funding and reimbursement process) of the domain
- ✿ Note: The taxonomy is a continuous process that must be open to evolve based on new ideas and new innovations in the domain.



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Thank you for your attention

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