

# Experience-Based Electronic Health Records

**Por:** Muro, N (Muro, Naiara)<sup>[1,2]</sup>; Sanchez, E (Sanchez, Eider)<sup>[1,3]</sup>; Toro, C (Toro, Carlos)<sup>[1]</sup>; Carrasco, E (Carrasco, Eduardo)<sup>[1,3]</sup>; Rios, SA (Rios, Sebastian A.)<sup>[4]</sup>; Guijarro, F (Guijarro, Frank)<sup>[5]</sup>; Grana, M (Grana, Manuel)<sup>[2,6]</sup>

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## Resumen

Electronic Health Records are clinical information repositories that have been proposed primarily to provide access to all clinical data of a patient. They have been formally defined by a dual model composed of a reference model and an archetype model. Such dual approach allows semantic interoperability, thus making different systems understand each other. In this work we extend the current structure with a third Decisional Model that will allow reasoning over the embedded clinical contents. Such reasoning will be based on the reuse of the clinical experience gained by the corresponding clinical professionals during different decision procedures.

## Palabras clave

**Palabras clave de autor:** triple model methodology; knowledge extraction; electronic health record; Clinical decision support system; semantic model

**KeyWords Plus:** SEMANTIC INTEROPERABILITY; DECISION-SUPPORT; CLINICAL INFORMATION; REFLEXIVE ONTOLOGIES; SYSTEMS; MANAGEMENT; DIAGNOSIS; REUSE

## Información del autor

**Dirección para petición de copias:** Toro, C (autor para petición de copias)


Vicomtech IK4 Visua Interact, Commun Technol, Mikeletegi Pasealekua 57, Parque Tecnol, San Sebastian 200

## Direcciones:

[ 1 ] Vicomtech IK4, Donostia San Sebastian, Spain

 [ 2 ] Univ Basque Country UPV EHU, Computat Intelligence Grp, San Sebastian, Spain

[ 3 ] Biodonostia Hlth Res Inst, San Sebastian, Spain

 [ 4 ] Univ Chile, Business Intelligence Res Ctr, Ind Engrn Dept, Santiago, Chile

[ 5 ] Bilbomatica, Bilbao, Spain

+ [ 6 ] Wroclaw Univ Technol, ENGINE Ctr, PL-50370 Wroclaw, Poland

**Direcciones de correo electrónico:** [ctoro@vicomtech.org](mailto:ctoro@vicomtech.org)

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