Semantic Interoperability for Health Network (SemanticHealthNet)

Research Areas

Data-Sharing Enabler

At a Glance

- Status: Active Consortium
- Year Launched: 2012
- Initiating Organization: European Commission Seventh Framework Programme (FP7)
- Initiator Type: Government
- Location: Europe

Abstract

Semantic Interoperability for Health Network (SemanticHealthNet) will develop a scalable and sustainable pan-European organizational and governance process for the semantic interoperability of clinical and biomedical knowledge, to help ensure that electronic health record (EHR) systems are optimized for patient care, public health, and clinical research across healthcare systems and institutions.

Mission

Through a clinically driven work plan, exemplified in cardiovascular medicine, SemanticHealthNet will capture the needs for evidence-based, patient-centered, integrated care and for public health, encapsulating existing European consensus in the management of chronic heart failure and cardiovascular prevention. Experts in EHR architectures, clinical data structures, terminologies, and ontology will combine, tailor, and pilot their best-of-breed resources in response to the needs articulated by clinicians and public health physicians.
These exemplars will be cross-referenced with other domains and stakeholder perspectives via Clinical and Industrial Advisory Boards and interactions with other projects in Topic 5.3. The project will generalize and formalize the methods and best practices in how to combine and adapt informatics resources to support semantic interoperability, and how these can be developed and supported at scale. Health authorities, clinical professionals, ministries, vendors, purchasers, and insurers are involved to ensure the project approach, and results are realistically adoptable and viable, building on the SemanticHEALTH and CALLIOPE roadmaps.

A business model to justify strategic investments, including the opportunity costs for key stakeholders such as SDOs, industry, will be defined. This, and links with epSOS II and the eHealth Governance Initiative, will inform the shape of the virtual organization that this network will establish to sustain semantic interoperability developments and their adoption.

**Consortium History**

January 2011: Consortium started

**Structure & Governance**

SemanticHealthNet’s work is divided into Work Streams and then Work Packages (WPs).

**Financing**

SemanticHealthNet is funded via the European Union Seventh Framework Programme.

Homepage  
http://www.semantichealthnet.eu/

**Sponsors & Partners**

Empirica Gesellschaft für Kommunikations und
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