Linked2Safety

Welcome to Linked2Safety

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Contract Number	288328
Project Acronym	Linked2Safety
Project Name	A Next-Generation, Secure Linked Data Medical Information Space For Semantically-Interconnecting Electronic Health Records and Clinical Trials Systems Advancing Patients Safety In Clinical Research
Priority	Objective ICT-2011.5.3 b) Tools and environments enabling the re-use of electronic health records
Start Date	October 01, 2011
End Date	September 30, 2014

Linked2Safety Project

The vision of the proposed Linked2Safety project is to advance clinical practice and accelerate medical research, to improve the quality of healthcare, benefiting public health, and to enhance patients' safety; by providing pharmaceutical companies, healthcare professionals and patients with an innovative semantic interoperability framework, a sustainable business model, and a scalable technical infrastructure & platform for the efficient, homogenized access to and the effective, viable utilization of the increasing wealth of medical information

contained in the EHRs deployed and maintained at regional and/or national level across Europe, dynamically interconnecting distributed patients data to medical research efforts, respecting patients' anonymity, as well as European and national legislation.

The 36-month Linked2Safety project with the developed reference architecture, data protection framework, common EHR schema, lightweight semantic model and integrated platform will facilitate the scalable and standardized semantic interlinking, sharing and reuse of heterogeneous EHR repositories, which will provide healthcare professionals, clinical researchers and pharmaceutical companies experts with a user-friendly, sophisticated, collaborative decision-making environment for:

a. analyzing all the available data including the genetic, environmental and medical history of subjects that exhibit adverse events occurring in the frame of clinical trials, based on the clinical care information existing in the specific patients' EHR, leading to the identification of the phenotype and genotype factors that are associated with specific adverse events and thus having direct impact on the patient safety through the early detection of potential patient safety issues.

b. wide identification and selection of patients for clinical trials, though the seamless and standardized linking with heterogeneous EHR repositories, providing advice on the best design of clinical studies

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