

EHR4CR

ELECTRONIC HEALTH RECORDS SYSTEMS FOR CLINICAL RESEARCH

SUMMARY

Current medical needs, the growth of targeted therapies and personalized medicines and escalating R&D costs result in formidable cost pressures on healthcare systems and the pharmaceutical industry. Clinical research is also growing in complexity, labour intensity and cost.

There is a growing realization that the development and integration of Electronic Health Record systems (EHRs) for medical research can:

- enable substantial efficiency gains
- make Europe more attractive for R&D investment
- provide patients better access to innovative medicines and improved health outcomes.

EHRs can now be designed to seamlessly integrate with existing research platforms and healthcare networks to create opportunities for many stakeholders, including the pharmaceutical and bio-pharma industries.

However, key challenges are compliance with various ethical, legal and privacy requirements (and acceptance by the general public, patients, and medical professionals), providing a platform that works across many EHR systems and is sustainable within a scalable business model. A 4-year project, EHR4CR will involve a team of recognised European academic and industrial partners.

The project will build a platform to enable the use of EHR for more efficient medical research and run pilots (on interoperability, security, data quality, data storage solutions, organisational issues, accreditation and certification, etc) to demonstrate the viability and scalability of an EHR4CR business model.

The EHR4CR project supports the IMI strategic agenda with an information gateway solution to enhance clinical research efficiency and innovation. A key IMI aspect is the development of a knowledge management capability that can, for example, provide information management support for other research on personalized medicines, now an IMI 2010 call topic. EHR4CR also supports other IMI R&D projects by enabling the use (and reuse) of large amounts of health data – in an ethical and cost-effective way.

The EHR4CR project consortium draws its expert partners from academia, with 20 organisations and 4 SMEs working with 10 EFPIA companies and is an example of the scale of collaboration made possible through IMI.

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PARTICIPANTS

EFPIA MEMBER COMPANIES

- Amgen NV, Belgium
- AstraZeneca AB, Sweden
- Bayer Schering Pharma AG, Germany
- Eli Lilly, UK
- F. Hoffmann-La Roche Ltd, Switzerland
- GlaxoSmithKline Research & Development, UK
- Janssen Pharmaceutica NV, Belgium
- Merck KGaA, Germany
- Novartis Pharma AG, Switzerland
- Sanofi-Aventis Research and Development, France

UNIVERSITIES, RESEARCH ORGANISATIONS, PUBLIC BODIES & NON-PROFIT

- eClinical Forum Association, France
- European Association of Health Law, University of Edinburgh, UK
- European Institute for Health Records, France
- European Molecular Biology Laboratory, Germany
- European Platform for Patients' Organisations, Science and Industry, Belgium
- Friedrich-Alexander University, Erlangen-Nürnberg, Germany
- Heinrich-Heine University, Düsseldorf (representing ECRIN), Germany
- King's College London, UK
- Medical University of Warsaw, Poland
- National and Kapodistrian University of Athens, Greece
- National Institute for Health & Medical Research (INSERM), France
- Public Service – Hospitals of Paris, France
- Telematics Platform Medical Research Networks, Germany
- University College London, UK
- University Hospital of Geneva, Switzerland
- University of Dundee, UK
- University of Edinburgh, UK
- University of Glasgow, UK
- University of Manchester, UK
- University of Rennes 1, France
- Westfälische Wilhelms University, Münster, Germany

SMEs

- Assero Limited (representing CDISC), UK
- Custodix NV, Belgium
- Data Mining International, Switzerland (sub-contracting partner)
- XClinical GmbH, Germany

STARTING DATE: 01/03/2011

DURATION: 48 months

FINANCING:

IMI funding:	€ 7.019.046
Other contributions:	€ 1.989.852
EFPIA in kind contribution:	€ 7.042.616

TOTAL PROJECT COST: € 16.051.514

CONTACTS

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~Please note that the information in this fact sheet is subject to change. For the most up-to-date information please refer to the project website~