

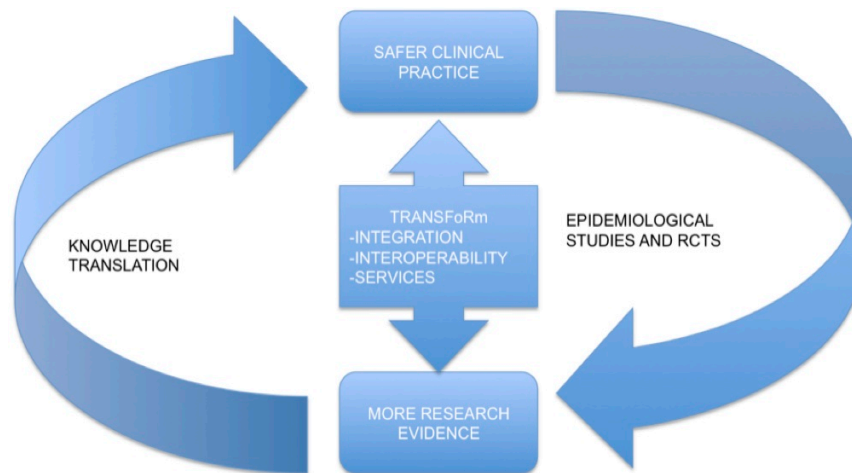
TRANSFoRm

Translational Research and Patient Safety in Europe

TRANSFoRm will develop rigorous, generic methods for the integration of Primary Care clinical and research activities, to support patient safety and clinical research via:

1. Rich capture of clinical data, including symptoms and signs rather than just a single diagnosis. A generic, dynamic interface, integrated with electronic health records (EHR), will facilitate both diagnostic decision support and identification of patients eligible for research, thus enhancing patient safety.
2. Distributed interoperability of EHR data and other data sources that maintain provenance, confidentiality and security. This will enable large-scale phenotype-genotype association studies and follow up of trials.
3. Software tools and services to enable use of controlled vocabulary and standardized data elements in clinical research.

This will enable integration and reuse of clinical data. *Why this is important?* Whilst diagnostic error is the commonest cause of litigation in Primary Care, EHR systems do not provide for easy collection of the data required for decision support. At the same time, clinical research is becoming uneconomic due to the costs of recruiting and following study participants, tasks that could be supported by the use of data from EHRs. *Who will conduct the work?* A multi-disciplinary consortium of ICT and clinical researchers from across Europe. These include experts in ontology, integration, distributed systems, security, data mining, user-facing design, evaluation and clinical research domains. Clinical participants include The European Clinical Research Infrastructures Network (where the systems will be deployed), The European General Practice Research Network, and a major Contract Research Organization. *What is the anticipated impact?* Improved patient safety by speeding translational research, quicker and more economic recruitment and follow up of RCTs, and enhanced uptake of EHR systems that offer support for clinical care and research.



Coordinator

King's College London

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EU Contribution

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Contact

Prof. Brendan Delaney
King's College London
Email: info@transformproject.eu
Web: www.transformproject.eu

Work Packages

WP1 Research Use Cases
WP2 Decision Support Use Cases
WP3 Technical Frameworks, Policies and Integration
WP4 Decision rules and evidence
WP5 Interface: User and Software Services
WP6 Models: Core ICT Concepts for System and Data Integration
WP7 Core Tools and Services for Interoperability
WP8 Demonstration and Exploitation
WP9 Dissemination and Exploitation
WP10 Management Activities

Partners

King's College London (UK)
University of Birmingham (UK)
Trinity College Dublin (IE)
Imperial College London (UK)
Heinrich Heine University Dusseldorf (DE)
University of Dundee (UK)
Royal College of Surgeons in Ireland (IE)
St George's - University of London (UK)
Mediterranean Institute of Primary Care (MT)
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