



# Strategic Health IT Advanced Research Projects (SHARP)

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## Research Areas



**Data-Sharing Enabler**

## At a Glance

- Status: **Completed Consortium**
- Year Launched: **2011**
- Initiating Organization: **Mayo Clinic**
- Initiator Type: **Health-care organization**
- Location: **North America**

## Abstract

The Strategic Health IT Advance Research Projects (SHARP) will enhance patient safety and improve patient medical outcomes through the use of an electronic health record (EHR). Traditionally, a patient's medical information, such as medical history, exam data, hospital visits, and physician notes, are stored inconsistently and in multiple locations, both electronically and non-electronically. SHARP proposes research that will generate a framework of open-source services that can be dynamically configured to transform EHR data into standards-conforming, comparable information suitable for large-scale analysis, inferencing, and integration of disparate health data.

## Mission

SHARP's mission is to enable the use of EHR data for secondary purposes, such as clinical research and public health. By creating tangible, scalable, and open-source tools, services, and software for large-scale health record data sharing, this project will ultimately help improve the quality and efficiency of patient care through the use of an EHR.



## Consortium History

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2010: Face-to-face meeting

2011: Face-to-face meeting

2012: Summit

## Structure & Governance

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SHARPN governance operates under the Office of the National Coordinator of Health Insurance Technology, with direct guidance and oversight of a Program Advisory Committee (PAC) for research method review, stakeholder relationships, project collaborations, program project monitoring of set performance evaluation criteria and milestones with change control processes, implementation plans, and research outcome reports.

## Impact/Accomplishment

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In 2013, SHARPN announced the release of the PhenotypePortal, representing a culmination of work by SHARPN members from the High-Throughput Phenotyping (HTP) team at Mayo Clinic, Intermountain Healthcare, and Agilex Inc. to provide a robust infrastructure for standards-based representation and execution of cohort identification algorithms.

## Links/Social Media Feed

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Homepage [http://informatics.mayo.edu/sharp/index.php/Main\\_Page](http://informatics.mayo.edu/sharp/index.php/Main_Page)  
[e](#)

## Points of Contact

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## Sponsors & Partners

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Agilex Technologies

Centerphase Solutions, Inc.

Clinical Data Interchange Standards Consortium (CDISC)

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Group Health Research Institute

Harvard Children's Hospital Boston

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Massachusetts Institute of Technology

Mayo Clinic

Mirth Corporation

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