Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	90TR0002	006471700	2010 / 2	No

Award Recipient Information

Recipient DUNS Number	006471700	Recipient Address 1	200 1ST ST SW
Recipient Account Number	92014104	Recipient Address 2	
Recipient Congressional District	01	Recipient City	ROCHESTER
		Recipient State	MN
Parent DUNS Number	167141923	Recipient ZIP Code + 4	559050002
Recipient Type	77.80.95.A8.M8.VW	Recipient Country	USA
Recipient Legal Name	MAYO CLINIC		
Recipient DBA Name	MAYO CLINIC COLLEGE OF MEDICINE		

Project / Award Information

Funding Agency Code 7500

Awarding Agency Code 7500

Program Source (TAS) Code 75-0131

Sub Account Number for Program Source

CFDA Number 93.728

Amount of Award 15000000.00

Award Date 03/19/2010

Award Description We propose research that will generate a framework of open source services that can be dynamically configured to transform HER data into standards-conforming, comparable information suitable for large-scale analyses, inferencing, and integration of disparate health data. We will apply these services to phenotype recognition (disease, risk factor, eligibility, or adverse event) in medical centers and population-based settings. Finally, we will examine data quality and repair strategies with real-work evaluations of their behavior in Clinical and Translational Science Awards (CTSAs), health information exchanges (HIEs), and National Health Information Network (NHIN) connections. We have assembles a federated informatics research

Total Number of Sub Awards less than $25,000/award 0

Total Amount Sub Awards less than $25,000/award 0.00

Total Number of Sub Awards to Individuals 0

Total Amount of Sub Awards to Individuals 0.00

Total Number of Payments to Vendors less than $25,000/award 3

Total Amount of Payments to Vendors less than $25,000/award 1833.46

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community committed to open-sources resources that can industrially scale to address barriers to the broad-based, facile, and ethical use of EHR data for secondeary purposes. We will collaborate to create, evaluate, and refine informatics artifacts that advance the capacity to efficiently leverage EHR data to improve care, generate new knowledge, and address population needs. Our goal is to make these artifacts available to the community of secondary EHR data users, manifest as open-source tools, services, and scalable software. In addition, we have partnered with industry developers who can make these resources available with commercial deployment. We propose to assemble modular services and agents from existing open-source software to improve the utilization of EHR data for a spectrum of use-cases and focus on three themes: Normalization, Phenotypes, and Data Quality/Evaluation. Our six projects span one ore more of these themes, though together constitute a coherent ensemble of related research and development. Finally, these services will have open-source deployments as well as commercially supported implementations. There are six strongly intertwined, mutually dependent projects, including: 1) Semantic and Syntactic Normalization 2) Natural Language Processing (NLP) 3)Phenotype Applications 4) Performance Optimization 5) Data Quality Metrics 6) Evaluation Frameworks. The first two projects align with our Data Normalization theme, with Phenotype Applications and Performance Optimization span themes 1 and 2 (Normalization

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and Phenotyping); while the last two projects correspond to our third theme.

Project Information	

Project Name or Project/ Program Title — Sharp Area 4: Secondary Use of HER Data

Quarterly Activities/ Project Description — The SHARP Area 4 program has made progress in the last quarter ramping up resources, refining scope and chartering six subprojects. The Area was represented by the PI, Dr. Christopher Chute and Program Director, Lacey Hart at the SHARPfest meeting in Washington DC on June 2-3 where collaborations with other SHARP Program areas occurred. The program was highlighted at the Minnesota eHealth Summit June 16-17 in both breakout sessions and poster session. An annual meeting was held in Rochester Minnesota on June 21-22 with over 60 attendees in person and several key stakeholders teleconferenced in. Presentations, demos and posters presented at the event have been publically posted to the program Wiki site: http://sharpn.org. The Advisory Committee and project leads are meeting monthly and the chartered subproject teams are meeting weekly moving through the planning phase to a project

Activity Codes (NAICS or NTEE-NPC) (up to 10)

Activity Code 1 E06.04
Activity Code 2
Activity Code 3
Activity Code 4
Activity Code 5
Activity Code 6
Activity Code 7
Activity Code 8
Activity Code 9
Activity Code 10

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	execution phase at a rapid pace.
Project Status	Less than 50% completed
Total Federal Amount ARRA Funds Received/ Invoiced	0.00
Number of Jobs	0.13
Description of Jobs Created	Investigator, Project Managers, Research Associate
Total Federal Amount of ARRA Expenditure	27195.74
Total Federal ARRA Infrastructure Expenditure	0.00
Infrastructure Purpose and Rationale	

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Grant	90TR0002	006471700	2010 / 2	No

Infrastructure Contact

Name	**Street Address 1**
Email	**Street Address 2**
Phone	**Street Address 3**
Ext	**City**
	State
	ZIP Code + 4

Primary Place of Performance

Address 1	200 First Street SW
Address 2	
City	Rochester
Country Code	US
State	MN
ZIP Code + 4	55905 - 0002
Congressional District	01

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	**Officer 3 Name**	
		Officer 3 Compensation	
Officer 1 Name		**Officer 4 Name**	
Officer 1 Compensation		**Officer 4 Compensation**	
Officer 2 Name		**Officer 5 Name**	
Officer 2 Compensation		**Officer 5 Compensation**	

Report Audit Trail

Created By	Qin Yi Xu
Date Created	07/08/2010 04:06 PM
Last Updated By	Qin Yi Xu
Last Updated On	07/12/2010 10:58 AM