

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	90TR0002/01	006471700	2010 / 1	No

Award Recipient Information

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

Project / Award Information

Funding Agency Code	7500	Total Number of Sub Awards less than \$25,000/award	0
Awarding Agency Code	7500	Total Amount Sub Awards less than \$25,000/award	0.00
Program Source (TAS) Code	75-0131	Total Number of Sub Awards to Individuals	0
Sub Account Number for Program Source		Total Amount of Sub Awards to Individuals	0.00
CFDA Number	93.728	Total Number of Payments to Vendors less than \$25,000/award	0
Amount of Award	15000000.00	Total Amount of Payments to Vendors less than \$25,000/award	0.00
Award Date	03/19/2010		
Award Description	<p>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 assembled a federated informatics research</p>		

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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	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	As defined in the award description field.	Activity Code 1 E06.04
Project Status	Not Started	Activity Code 2
Total Federal Amount ARRA Funds Received/ Invoiced	0.00	Activity Code 3
Number of Jobs	0.00	Activity Code 4
Description of Jobs Created	This project has not started	Activity Code 5
Total Federal Amount of ARRA Expenditure	0.00	Activity Code 6
Total Federal ARRA Infrastructure Expenditure	0.00	Activity Code 7
Infrastructure Purpose and Rationale		Activity Code 8
		Activity Code 9
		Activity Code 10

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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 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
		Officer 5 Compensation	

Report Audit Trail

Created By	Cathleen Anderson
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