Applicant Organizations:

> *Healthcare Services Platform Consortium* (HSPC) / Private Non-Profit / Scottsdale, AZ
> *Center for Medical Interoperability* (C4MI) / Private Non-Profit / Nashville, TN

Funding Opportunity Number: NAP-AX-16-003

Funding Opportunity Title: *Discovery Infrastructure for Clinical Health IT Apps Cooperative Agreement*

March 30, 2016

The Healthcare Services Platform Consortium (HSPC) and the Center for Medical Interoperability (C4MI) – both provider led, non-profit organizations focused on true interoperability – are pleased to announce their intent to jointly develop a program proposal for the ONC grant, "Discovery Infrastructure for Clinical Health IT Apps Cooperative Agreement." The healthcare provider membership of these two organizations are focused on a platform model, along with their complimentary technical and ecosystem strengths that meets the ONC objectives for this project, namely to establish a healthcare centric platform technology and online resources that support the discovery and use of market-ready, platform-agnostic applications.   HSPC supports provider and consumer access to electronic health information and improving the health IT user experience of healthcare providers as they deliver care.

For three years HSPC has developed a model for an open architecture and Service Oriented Architecture (SOA) infrastructure that enables the sharing of interoperable applications, services, knowledge and content. This includes working with standards-based technologies supporting HL7's FHIR and related frameworks and the evolution of SMART on FHIR, a first step in the journey.

The Center for Medical Interoperability serves as a cooperative R&D arm for health systems, guiding innovation and providing a vendor-neutral focal point to work with solution providers. C4MI and HSPC are joining forces in support of this grant and will provide the resources necessary to successfully address each of the four core project task areas: (1) *market research* – strong provider engagement and leadership, (2) *online resources* – HSPC has deployed and demonstrated these and has been working on open marketplaces, (3) *innovation sandboxes* – HSPC has deployed FHIR-enabled sandboxes both for developers and users, and (4)

sustainability planning – the combined market presence of the C4MI-HSPC provider membership will ensure long-term viability of the online platform and marketplace.

The Healthcare Services Platform Consortium and the Center for Medical Interoperability look forward to submitting an application for this ONC funding opportunity.

Sincerely,

Dr. Stan Huff   **Oscar Diaz**   **Ed Cantwell**
Chair, Board of Directors   Chief Executive Officer   Executive Director
HSPC   HSPC   C4MI

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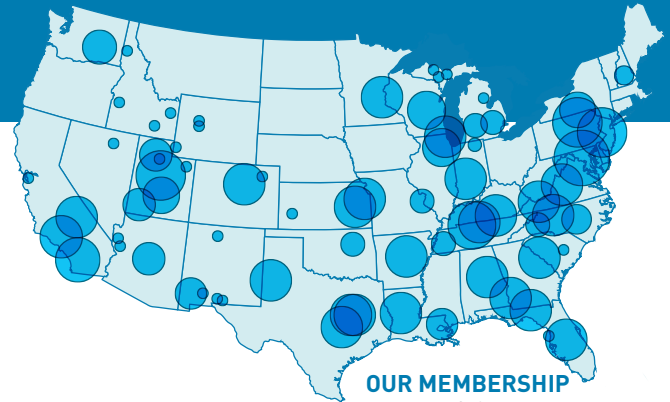
Attachments:
1. C4MI Overview
2. HSPC Overview

CENTER *for* MEDICAL INTEROPERABILITY

ABOUT THE CENTER

The Center for Medical Interoperability is a 501(c)(3) organization led by health systems to change how medical technologies work together. The Center is committed to leveraging the expertise of our members to compel change and improve patient safety, care quality and outcomes, and reduce clinician burden and waste.

OUR VISION

Accelerating the seamless exchange of information to improve healthcare for all

OUR MEMBERSHIP
current as of February 2016

OUR BOARD

Our members reflect the diversity of healthcare. They are unified by their desire to ensure information is readily available for everyone to be able to make the best decisions. By working with vendors to drive plug-and-play interoperability – and establishing a lab dedicated to solving shared technical challenges – we are changing the equation for a secure, interoperable health system:

PROVIDER DEMAND + CENTRALIZED LAB	=	MARKET CHANGE

Michael M. E. Johns, MD
Founding Chairman,
Center for Medical Interoperability

Nancy Howell Agee
President and CEO, Carilion Clinic

Jeffrey Balser, MD, PhD
Vice Chancellor for Health Affairs
and Dean, Vanderbilt University
School of Medicine

William Carpenter III
Chairman and CEO,
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President and CEO,
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Hospital Corporation of America

Stephen Jones
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Paul Rothman, MD
CEO, Johns Hopkins Medicine and
Dean, Johns Hopkins University
School of Medicine

Michael Schatzlein, MD
Senior Vice President,
Group Ministry Operating Executive,
Ascension Health

Wayne Smith
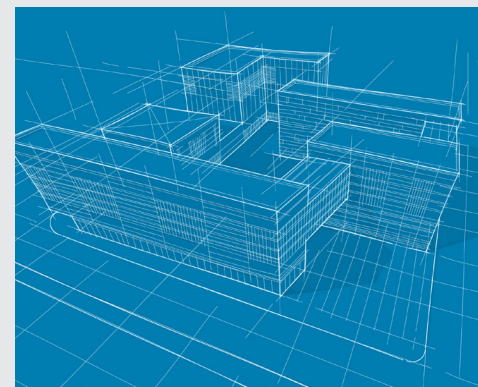Chairman, President and CEO,
Community Health Systems

Chris Van Gorder
President and CEO, Scripps Health

OUR WORK: INFRASTRUCTURE, INNOVATION AND TRANSFORMATION

We aim to improve real-time information flow and make technology function seamlessly in the background so clinicians can excel in their jobs and achieve the best possible outcomes for patients.

We are:

» *Creating a cooperative R&D arm for health systems,* guiding innovation and providing a vendor-neutral focal point to work with solutions providers.

» *Establishing a centralized lab* to cooperatively solve members' shared technical challenges, and test and certify devices and IT systems.

» *Assembling a technology coalition* to develop a vendor-neutral architecture that enables interoperability within health systems.

To learn more, visit **CENTER4MI.org**

HSPC | the healthcare services platform consortium™

The Healthcare Innovation Ecosystem

Improving health by creating an open ecosystem of interoperable applications, knowledge, content and services

What is HSPC?

The Healthcare Services Platform Consortium (HSPC) is a provider-driven, patient-focused organization that is leveraging modern informatics and information technology methods to solve real-world problems and improve healthcare outcomes.

Through HSPC's open architecture and interoperable marketplace, we are establishing the foundation for innovation that will help meet some of our greatest needs – to ensure that knowledge and information necessary to deliver the right care at the right time is readily available.

Value of HSPC

With the objective to improve clinical workflow efficiency across the healthcare continuum, HSPC solutions seek to:

- Customize tools that support clinician decision making to improve patient outcomes
- Reduce the cost of innovation by creating an architecture crafted specifically for healthcare
- Leverage investments in existing standards & assets
- Create a community-based marketplace for the exchange of clinical knowledge
- Reduce technology cost through a healthcare community cloud (HCC)

Who is HSPC?

The HSPC is a community of clinicians, leading informaticians, technology vendors and members of the investor community that is working toward a world of open architecture.

The Consortium is led by the Benefactor Members: *Intermountain Healthcare*, *LSU Health* and the *Veterans Administration*, and is comprised of over 300 participating individuals from our member organizations. HSPC contributing and collaborating organizations include:

- American College of Surgeons (ACS)
- American College of Obstetrics & Gynecology (ACOG)
- American Medical Association (AMA)

- Center for Medical Interoperability (C4MI)
- Health Level 7 (HL7)
- Open Source EHR Alliance (OSEHRA)

Join the HSPC Community

Whether you are a healthcare provider, IT vendor, systems integrator, investor or other organization with an interest in healthcare, we invite you to join the HSPC community. Start sharing and benefiting from the power of interoperable collaboration today. Find out more at **HSPConsortium.org** or contact us directly at **Membership@HSPConsortium.org**.

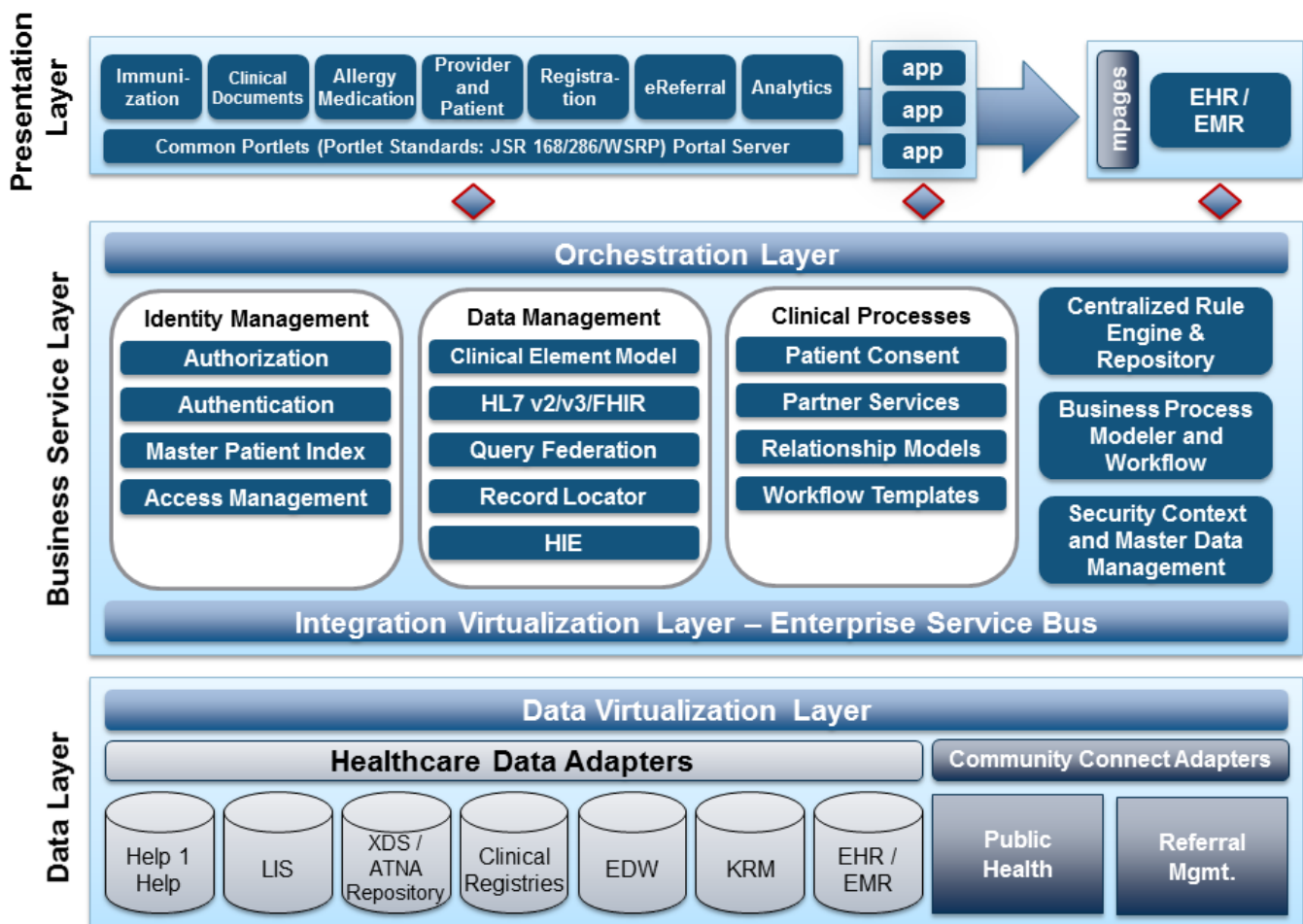## HSPConsortium.org/HIMSS2016

What are HSPC's goals?

The HSPC is establishing an ecosystem to accelerate the creation, sharing and delivery of sustainable, cost-effective solutions that encourage evidence based clinical practice and reduce unnecessary variances in care. The Consortium will establish an open marketplace where interoperable solutions meet the needs of healthcare providers and the patients they serve.

What is HSPC doing?

The Consortium is defining an open architecture and creating reference implementations to support true semantic interoperability of healthcare data, knowledge-driven applications and services.

What is a Healthcare SOA?

The application of service-orientation enables healthcare organizations to "consistently deliver sustainable business value, with increased agility and cost effectiveness, in line with changing business needs" (www.SOA-Manifesto.org). The following graphic provides an example 3-Tier Healthcare SOA platform …

Three -Tier Healthcare Service Oriented Architecture (SOA)

HSPConsortium.org/HIMSS2016