HL7 International participates in the interoperability showcase at the NI2016 conference

Introduction

The HL7 Nurses Work Group is organizing a HIMSS Interoperability Showcase™ during the 13th International Congress in Nursing Informatics. This joint effort with the HL7 Patient Care Work Group, the EHR Work Group, and the CIC Work Group, will be hosted in collaboration with NI2016¹, IMIA-NI², ICN³, HIMSS⁴ and IHE⁵. The conference, which will be held in Geneva, Switzerland, on June 25-29, 2016, will welcome about 1000 nurses and medical professionals from around the world. The attendees, exhibitors and all that will join the conference, have the opportunity to hear the latest new scientific developments, from research to implementation results for the benefits of patients; engage in lasting collaboration and professional friendships; and participate in discussions and debates on controversial informatics topics. Attendees will also learn from others in their field, and connect to the key leaders in informatics. For the first time a HIMSS Interoperability Showcase will demonstrate the interoperability of nursing electronic health record applications, devices and apps communicating patient data using interoperability protocols including HL7 standards and IHE profiles.

The project

The project is focused on the development and testing of a use case of interoperable nursing applications, deploying various interoperability standards from HL7 and IHE. The showcase will leverage both new resources and existing resources with suggestions for modifications that come out of testing at the connectathons. The project will deploy a set of HL7 and other resources, including but not limited to the list below.

- HL7 v3 Care Record Message with Basic Patient and Provider Data (in particular CMETs Person, Patient, Provider, Professional, all universal) and specified Nursing Content.
- HL7 v3 CDA examples, in particular from the German test sites, for nursing content.
- Domain Analysis Models for Pressure Ulcer Prevention, Care Plan, Concern and Medical Devices, where implementable.
- HL7 v3 Assessment Scale DSTU for Braden Scale and Pain scale.
- Detailed Clinical Models length, weight (published), vital signs, such as heart rate, and Braden Scale and Pain Scale.
- HL7 v3 Care Plan R-MIM (if this can be converted into v3 message content).
- If implementable: FHIRE resource for Care Plan and other to be determined resources that fit nursing care.
- HL7 CDA R2 Care Plan Templates.
- The selection of the specific and feasible set of the above potential sources is part of the project.

The interoperability resources used will be refined as the project matures.

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¹ NI2016, Nursing Informatics 2016 (http://ni2016.org/).
² IMIA-NI, IMIA Nursing Informatics Special Interest Group (http://www.imia.org/ni/). IMIA stands for International Medical Informatics Association (http://www.imia-medinfo.org/new2/).
³ ICN, International Council of Nurses (http://www.icn.ch/).
⁵ IHE, Integrating the Healthcare Enterprise (http://ihe.net/).
Internationally, nursing care is lagging behind other health and medical specialty domains when it comes to the level of IT use, dedicated applications, and nurses' involvement in development and deployment. Although there have been many connectathons and showcases in the past, they have addressed clinical areas other than nursing care. On the other hand, there is an increasing number of patients requiring nursing care after treatment due to demographic developments and other factors. Hence, it is timely to demonstrate that nurses, standards developers, organisations and vendors are indeed able to support nursing care coordination and documentation.

Opportunity for nurses

The HIMSS Interoperability Showcase during NI2016 offers nurses the chance to see the interoperability of nursing electronic health record applications, devices and apps communicating patient data using interoperability protocols such as HL7 standards and IHE profiles.

The HIMSS Interoperability Showcase is your opportunity to:

- Learn how interoperable nursing applications and systems can improve care coordination
- Engage with nurses that are leading today's interoperability efforts
- Understand how standards enable the interoperability of systems from different vendors

Opportunity for vendors

The HIMSS Interoperability Showcase during NI2016 offers health IT solution providers the chance to play a critical role in leading the evolution of healthcare while connecting with qualified, engaged decision makers. The vendor-neutral, live environment allows providers to collaborate to maximize the collective impact of their technologies, demonstrating how seamless health information exchange and true continuity of care contribute to improved outcomes, more engaged consumers and regulatory compliance.

The HIMSS Interoperability Showcase is your organization’s opportunity to:

- Compare your solutions side-by-side with other health IT solution providers
- Display the functionality of your technologies while engaging decision makers in simulated health journeys that allow your key messages to resonate with their unique needs
- Connect with industry leaders and experts, including system developers from healthcare provider organizations
- Represent the patient perspective while joining forces with other state-of-the-art health IT solution providers
- Demonstrate your thought leadership before an elite group of healthcare providers, policy makers and industry VIPs
- Enjoy special recognition through dedicated marketing efforts at HIMSS events that feature the HIMSS Interoperability Showcase