Gary

Since the data work tends to be the biggest challenge with AI (I would actually venture to say AI is 80% Data work and 20% Algorithm work). I wonder if there’s a means by which HL7 can lead the idea of developing standards related to the data work that would be reflective of a standardized approach towards the development of AI ready data sets in collaboration Health Service Organizations that can be leveraged for the safer, more effective, patient-centric, time-sensitive, efficient, and equitable application of AI to healthcare. This might be accomplished by developing a standardized approach to:

**The Research Design**
- Documentation of study design
- Documentation of the data elements
- Applying FAIR principles and data sharing strategies

**Data Generation**
- Data collection
- Definition of data elements
- Tracking and documentation of changes to study
- Secure access to data
- Inclusion of metadata labels
- Exporting of data to standard file types

**Data Processing**
- Read in data
- Formatting of data
- De-identification of data
- Preparation of a data dictionary
- Generating datasheets
- Sharing of a clean and annotated dataset for reuse
The HL7 EHR Work Group/Artificial Intelligence Focus Team will meet this Tuesday, 17 January, 3:30-5PM US PT (6:30-8 PM US ET) in conjunction with the HL7 Work Group Meeting this week in Henderson Nevada USA. Note that Nevada is in the US Pacific Time zone.

Here are the topics on our agenda...

Al Focus Team Overview
New Project Formation - AI Data Lifecycle (Project #11) - Mark Janczewski MD and Team
Review ONC Advice on HL7 AI Standards Development - Gary Dickinson FHL7 (referencing message from Steve Posnack, ONC Deputy National Coordinator)
Review and Consolidate Al Candidate Topics/Areas of Focus - Gary Dickinson FHL7
Please plan to join Tuesday's session: [https://global.gotomeeting.com/join/798931918](https://global.gotomeeting.com/join/798931918)

OR if you’re dialing in from a US or international location, please see additional access information at the end of this message. The teleconference will be recorded. (Thanks to Michael Brody DPM for use of the GTM facilities.)

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**AI Confluence Page**

**HL7 Confluence page devoted to our AI evaluation process:**

This page currently includes these sections:
- Upcoming HL7 AI Sessions
- AI Evaluation Objectives
- AI Presentations
- AI Action Items - Work in Progress
- AI Reference Sources - Application in Health and Healthcare
- AI Reference Sources - Cross-Industry Application
- AI Reference Sources - US Executive Orders and Followup Activities
- Other Links

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**DRAFT Criteria for Initiation (proposal) of AI Projects**

The Candidate AI Project:

1. Builds on fundamental strengths of HL7
   a. Is focused on key aspects of health and healthcare: information, workflow, decision support, safety, efficacy, efficiency, integrity, accountability...
   b. Is open to all interested and materially impacted parties
   c. Assures balance of interests
   d. Incorporates transparent and accountable consensus process: from development through approval
   e. Draws (accepts input) from US and international community

2. Is unique and non-duplicative of other identified AI efforts
3. Offers substantive near-term benefit (e.g., to complement/supplement other HL7 projects, to advance the state of the art, to ensure integrity and accountability, to make clinical practice more efficient/effective, to reduce clinician burden)
4. Is based on one or more identified use case scenarios
5. Will produce ballotable deliverables: informative and/or normative
6. Might be integral to a suite of AI-related standards
7. Will identify (and invite) expert partners and participants: internal or external to HL7
8. Will be led by one or more competent individuals (e.g., who are available and ready, who have leadership skills, who have subject matter expertise)
9. Will garner enough interest, support and expert participation to develop credible specifications/deliverables.
Candidate List of AI Topics/Areas of Focus

The current Candidate List of AI Topics/Areas of Focus is [here](#) - along with survey results to date. You will note that Project #11 has garnered significant interest, with #1 and #2 not far behind. The List is still open to additions/revisions and we may look to combine topics. If you haven’t already, please review and give us your input - by ranking your priority top 5.

Upcoming Artificial Intelligence Teleconferences:

All teleconferences use the this GoToMeeting link, unless otherwise noted: [https://global.gotomeeting.com/join/798931918](https://global.gotomeeting.com/join/798931918)

Tuesday, 24 January 2023, 4PM US ET - **Artificial Intelligence Focus Team**

Tuesday, 14 February 2023, 4PM US ET - **Artificial Intelligence Focus Team**

Additional Details and Information...

1) Please **suggest additional AI Reference Sources** - pertinent to our Evaluation process.

2) Please **identify/suggest additional organizations/individuals** who should be invited to join the AI Community of Interest as we undertake this Evaluation Process. (If you wish your name removed from the list, please let us know.)

Thank you in advance for your interest and support of this vital AI Evaluation Process. Please forward any questions, comments or suggestions.

Regards,

Gary Dickinson, FHL7  
Co-Chair, HL7 EHR Work Group  
Co-Facilitator, HL7 EHR WG/Reducing Clinician Burden Project

David Schlossman MD  
Co-Facilitator, HL7 EHR WG/Reducing Clinician Burden Project

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