WorkGroup Home

2017 Work Group Health All-Star Award Winner

This WG earned a WG Healthiest Star rating in each of the three trimesters measured in 2017.

Mission:

The Clinical Genomics Work Group supports the HL7 mission to create and promote its standards by enabling the semantically meaningful exchange of data between parties interested in clinical, personal, and population genomic information and family health history, which are required to support personalized / precision medicine. The focus of the clinical genomics domain is the identification of an individual’s genomic data and family health history, to better understand the underlying genetic factors contributing to disease and health, and the linking to relevant clinical information including both data and knowledge. The long term vision of the Clinical Genomics Work Group includes within its scope “omics” technologies and data types related to genomics, including genetics, epigenetics, proteomics, etc.

This work group will facilitate the development of common standards for clinical and translational information management across a variety of organizations, including (but not limited to): 1) academic medical centers, 2) hospitals and in-hospital testing labs, 3) independent testing laboratories, and 4) public data repositories and knowledge-bases serving as references to clinical genetics/genomics. These standards may be useful for clinical trials and research as well, especially when integrating with complementary clinical data.

Charter:

The work group will collect, review, develop and document clinical genomics use cases in order to determine what data needs to be exchanged. We will review, extend, and translate existing and emerging standards that are relevant to clinical genomics, and are used by relevant stakeholders, including informaticians and clinical practitioners.

In addition, the Clinical Genomics Work Group will seek to assure that related or supportive standards produced by other HL7 groups can accommodate clinical genomics in clinical care and translational medicine. The work group will also monitor information interchange standards developed outside of HL7, and attempt harmonization of information content and representation of such standards with the HL7 community and work products. Finally, we will work within the HL7 community to understand other work groups’ use cases, including implementation policy and security, to collaboratively develop a comprehensive, integrated solution.

About us - Co-Chairs

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Term ends</th>
<th>Location</th>
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<tbody>
<tr>
<td>Bob Milius</td>
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Gil Alterovitz PhD
SMART Health IT
gil@chip.org
Term ends Dec 2020
Affiliations:

This Work Group will coordinate with a large number of other Work Groups in order to accomplish its mission. Strongest relationships will be with:

- Orders and Observations
- Clinical Statement
- Clinical Decision Support
- Regulated Clinical Research Information Management
- Orders and Observations
- Patient Care
- Electronic Health Records
- Modeling and Methodology
- Structured Documents

Recently updated

- **CG-2020-04-21**
  Apr 28, 2020 • created by Patrick Werner
- **CG-2020-04-14**
  Apr 20, 2020 • created by Bob Milius
- **CG-2020-04-07**
  Apr 14, 2020 • created by Patrick Werner
- **CG-2020-03-31**
  Apr 07, 2020 • created by Bob Milius
- **CG-2020-03-24**
  Mar 31, 2020 • updated by Patrick Werner • view change
- **CG-2020-03-17**
  Mar 24, 2020 • created by Bob Milius
- **CG-2020-03-10**
  Mar 16, 2020 • created by Bob Milius
- **CG-2020-03-03**
  Mar 10, 2020 • updated by Bob Milius • view change
- **CG-2020-02-25**
  Feb 27, 2020 • created by Kevin Power
- **CG-2020-02-18**
  Feb 24, 2020 • updated by Kevin Power • view change