WorkGroup Home

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 precision medicine. The focus of the clinical genomics domain is the identification of an individual’s genomic data, pertinent environmental factors, 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, proteomics, epigenetics, etc. Our scope is not limited to human genomics and will cover other organisms.

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 genomics. These standards are useful for clinical trials and research as well, especially when accessing and integrating with complementary clinical data and workflows.

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 ensure 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 and integrated solution.

About Us

See this workgroup's Listservs

Co-Chairs:

E-mail the co-chairs

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Department</th>
<th>Location</th>
<th>Term Ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bob Milius</td>
<td>Principal Research Scientist</td>
<td>IT</td>
<td>Minnesota</td>
<td>Dec 2022</td>
</tr>
<tr>
<td>James Jones</td>
<td>SMART Health IT</td>
<td>NMDP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mullai Murugan</td>
<td>Director of Software Engineering</td>
<td>Human Genome Sequencing Center, Baylor College of Medicine</td>
<td>Houston, TX</td>
<td>Dec 2022</td>
</tr>
<tr>
<td>Kevin Power</td>
<td>Director</td>
<td>Research Informatics</td>
<td>Kansas City, MO</td>
<td>Dec 2023</td>
</tr>
</tbody>
</table>

2021 May Work Group Health Gold Star Award Winner

This Work Group earned a WG Healthiest Star rating in May 2021.

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.
Terminology Representative:

Joel Schneider

Affiliations:

Clinical Genomics 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 Decision Support
- Biomedical Research and Regulation
- Patient Care
- Electronic Health Records

Recently updated:

2022-09 WGM CG Minutes
yesterday at 8:52 PM • updated by Patrick Werner • view change

WorkGroup Home
yesterday at 8:34 PM • updated by Kevin Power • view change

2022-09 WGM CG Minutes
yesterday at 8:27 PM • updated by Kevin Power • view change

2022-09 WGM CG Minutes
yesterday at 8:25 PM • updated by May Terry • view change

2022-09 CG WGM Agenda
yesterday at 3:23 PM • updated by Patrick Werner • view change

CG Mission and Charter
yesterday at 1:41 PM • updated by Kevin Power • view change

2022-09 CG WGM Agenda
Sep 20, 2022 • updated by Kevin Power • view change

Getting Started with Clinical Genomics
Sep 19, 2022 • updated by Kevin Power • view change

2022-09 CG WGM Attendance
Sep 16, 2022 • updated by Kevin Power • view change

CG-2022-09-06
Sep 13, 2022 • updated by Kevin Power • view change