



## IMIA Human Factors Engineering for Healthcare Informatics - IMIA WG 11 2021 Report

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**Website:** <https://imia-medinfo.org/wp/human-factors-engineering-for-healthcare-informatics/>

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### 1. Achievements

Members took part to:

- present research papers at conferences and moderated panels (Medinfo, MIE, CSHI, AMIA).
- contribute to the writing of a commentary to the new ISO/TS 82304-2 standard (submitted to Lancet Digital Health)
- contribute to the writing of several papers, including an IMIA WGs-paper on COVID-19 initiatives, and a submission to the IMIA Yearbook on usability testing methods with elderly people.

The WG co-organized CSHI 2021 (with OI WG) virtually and gathered 110 participants. IOS Press published the proceedings.

The WG initiated several projects:

- development of a code of conduct for Human and Organizational Factors studies of Interactive Healthcare Technology. Interviews and analysis of existing ethical codes of conduct were performed. For MIE 2022 a workshop will be organized to gather further input aiming at a broad support base. A journal paper is expected as an outcome. (with EFMI-HOFMI)
- analyzing the development and the use of COVID-19 tracking apps. A literature review was performed and a project on health practitioners experiences to understand barriers and facilitators in healthcare personnel use of Covid-19 tracking apps. A paper will be submitted to MIE 2021.

**2. Describe WG/SIG Participation**

The WG actively supported IMIA and the community by participating to the joint paper on the WGs' COVID-19 initiatives, by attending significant international scientific conferences, and by taking part of reviewing processes for international conferences and scientific journals.

**3. Provide details of the WG/SIG's Outreach - Recruitment and engagement of new members and target communities, publicity, and representation at major events and/or on social media.**

The WG activities were promoted as soon as possible during the conferences the WG took part to (MIE, Medinfo, CSHI)

For the purpose of its projects, the WG contacted and recruited experts from other communities (ex. Dutch researchers on health apps easiness of use).

The CSHI conferences attracted new Human factor researchers who attended the online conference.

**4. Current List of members:**

Melissa Baysari, Tomasso Bellandi, Elizabeth Borycki, Frederic Ehrler, Peter Elkin, Dorthe Furstrand, Maria Hägglund, Juell Homco, Aviv Shachak, Alexander Hörbst, Stephanie Jansen-Kosterink, Monique Jaspers, Ignacio Jauregui, Johanna Kaipio, Andre Kushniruk, Craig Kuziemy, Elin Lehnbohm, Francisca Leite, Blake Lesselroth, Valentina Lichtner, Daniel Luna, Helen Monkman, Christian Nøhr, Carlos Otero, Rune Pedersen, Sylvia Pelayo, Raquel Santos, Isabella Scandurra, Nuno-André Silva, Mari Tyllinen, Lex Van Velsen, Sidsek Villumsen, Wu Yi Zheng, Katie Zhu, Romaric Marcilly (vice-chair), Linda Peute (chair).

Please note that not all members have the same level of involvement in the group. Some are active and others are observing. Their level of involvement changes over time.