



## **IMIA Technology Assessment & Quality Development in Health Informatics WG 2023 Report (June 2022 – June 2023)**

### **Co-Chairs (2022-2025)**

Kathrin Cresswell  
Senior Lecturer, Usher Institute,  
University of Edinburgh, UK

Mirela Prgomet  
Research Fellow, Australian Institute of Health Innovation  
Centre for Health Systems and Safety Research  
Macquarie University, Sydney, Australia

### [WG Website](#)

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#### **1. Achievements – IMIA WG Events and projects conducted, and publications completed**

- Magrabi F, Cresswell K, Fraser HSF. International dimensions of clinical decision support systems. In: Greenes RA, editor. *Clinical Decision Support and Beyond Progress and Opportunities in Knowledge-Enhanced Health and Health Care*: Elsevier; 2023. p. 145-77.
- Scott P, Kuziemyk C, Zhu X, Nøhr C, Ammenwerth E, Kukhareva P, Peute L, Marcilly R. One Health: Insights from Organizational & Social, Technology Assessment and Human Factors Perspectives. *Yearb Med Inform* (accepted).
- Cresswell K, De Keizer N, Magrabi F, Williams R, Rigby M, Prgomet M, Kukhareva P, Shui-Yee Wong Z, Scott P, Craven C, Georgiou A, Medlock S, Brender J, Elske Ammenwerth E. Evaluating Artificial Intelligence in clinical settings - let's not reinvent the wheel. Invited re-submission to JMIR.
- Cresswell K, De Keizer N, Magrabi F, Williams R, Rigby M, Prgomet M, Kukhareva P, Shui-Yee Wong Z, Scott P, Craven C, Georgiou A, Medlock S, Brender J, Elske Ammenwerth E. Artificial Intelligence-based decision support systems highlight the need to strengthen health informatics evaluation and policy in healthcare. Invited re-submission to Health Policy.
- Maeckelberghe E, Zdunek K, Marceglia S, Farsides B, Rigby M. Ethical challenges of personalized digital health. *Frontiers in Medicine*.;10:1123863.

#### **2. Describe WG/SIG Participation - Engagement and participation in IMIA, IMIA Region or member health informatics events and activities in the past year**

- EFMI Medical Informatics Europe (MIE) 2022 – May 27th-30th, 2022 – Nice, France: Kukhareva PV, Cresswell K, Scott P, Nøhr C. Workshop - UN Sustainable Development Goals in Socio-technical Evaluation Frameworks for Health Information Technology.
- American Medical Informatics Association Annual (AMIA) Symposium, San Diego, CA – November 5-9, 2022: Kukhareva PV, Sittig D, Ozkaynak M, Kuzeimsky C, Nohr C. W05: Workshop - How to Include UN Sustainable Development Goals in Socio-technical Models for Health Information Technology?
- Digital Health Summit – 17-18 October 2022, Sydney, presented by the Australasian Institute of Digital Health. Attended by Magrabi F, Georgiou A and Prgomet M. Magrabi F presented a talk on “Implementing artificial intelligence (AI) technologies in clinical settings”.
- Prgomet M and Georgiou A are part of the Organizing Committee for the Context Sensitive Health Informatics Conference (to be held in Sydney in July 2023). Prgomet M is also co-chair of the Scientific Program Committee.
- Magrabi F is co-chair of Medinfo (to be held in Sydney in July 2023).
- Philip Scott is co-chair of Medinfo 2023 SPC

**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.**

- We have established a public-facing LinkedIn group: <https://www.linkedin.com/groups/12728111>
- We have established a mailing list: [imiawgtaqd@mlist.is.ed.ac.uk](mailto:imiawgtaqd@mlist.is.ed.ac.uk)
- We have recruited two new members: Dr Line Silsand (Norwegian eHealth Group), Dr Elisavet Andrikopoulou (University of Portsmouth)

**1. Current List of members:**

- Cresswell K (chair), Prgomet M (chair), De Keizer N, Magrabi F, Williams R, Rigby M, Kukhareva P, Shui-Yee Wong Z, Scott P, Craven C, Georgiou A, Medlock S, Brender J, Elske Ammenwerth E, Andrikopoulou E, Sisland L, Hypponen H