



IMIA Primary Health Care Informatics WG18 2020 Report

presented as part of the IMIA VP WG & SIGs report:

- IMIA Board Meeting, November 22, 2020,
- IMIA General Assembly Meeting, December 6, 2020

Siaw-Teng Liaw, Chair (2016-2019)

Simon de Lusignan, Co-Chair (2016-2019)

Website: <https://imia-medinfo.org/wp/primary-health-care-informatics/>

For the 2020 report please provide details on the following:

(Due to the COVID -19 pandemic, IMIA acknowledges that many functions were cancelled, delayed and disrupted from January 2020 to the end of June 2020)

1. **Brief Background- current mandate, historical background, etc.**

The aim of the Primary Care Informatics Working Group is to promote and develop primary care informatics as a specialism within health informatics.

Our current objectives are: (1) Model research studies based on routinely collected real-world data in primary care and general practice electronic health records (EHR); (2) Ontologically rich approaches to case finding and cohort characterization in real-world data sets; (3) The use of ICT at point of care – in the primary care clinical consultation; and (4) Ethical, legal and social issues and challenges.

2. **Achievements - Events and projects conducted and publications completed**

- a. Liaw ST, Liyanage H, Kuziemy C, Terry AL, Schreiber R, Jonnagaddala J, de Lusignan S. Ethical Use of Electronic Health Record Data and Artificial Intelligence: Recommendations of the Primary Care Informatics Working Group of the International Medical Informatics Association. *Yearbook of Medical Informatics*: Apr 2020
- b. An International Journal of Medical informatics (IJMI) Special Issue on “Evaluating integrated primary care informatics and digital health”.

This collaborative project with the IMIA Technology Assessment & Quality Development WG (Professor Andrew Georgiou and the European Federation

of Medical Informatics WG on Evaluation (Professor Elske Ammenworth) is now published. The guest editors are Teng Liaw, Andrew Georgiou, Simon de Lusignan, Elske Ammenworth, Craig Kuziemsky, Richard Schreiber, Amanda Terry, Zoie Wong, Jitendra Jonnagaddala, Harshana Liyanage. The special issue is summarised by this editorial:

Liaw ST, Georgiou A, Marin H. Evaluation of digital health and information technology in primary care. *Int J Med Informatics* 2020. DOI: <https://doi.org/10.1016/j.ijmedinf.2020.104285>.

3. Describe WG/SIG Participation - Engagement and participation in IMIA and health informatics events and activities in the past year

This has been relatively inactive because of the pandemic.

4. 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.

- a. Digital learning, health & literacy. UNSW ASEAN Conference (online) 10 Nov 2020
- b. WHO SEARO Regional consultation on Digital Health policy and practice, 28 Feb-01 Mar 2019, New Delhi, India
- c. Global Digital Health Partnership Forum, 27 Feb 2019, New Delhi, India
- d. The WHO Collaborating Centre on eHealth program of work:
 - Liaw ST, Zhou R, Ansari S, Gao J. Digital Health Profile and Maturity Assessment Toolkit: co-creation in the Pacific Islands. *JAMIA* 2020 (in press).
This publication reported on the Digital Health Maturity Assessment project funded by the WHO Western Pacific Regional Office. The outputs from this project are currently guiding WHO efforts in this area.
 - Godinho MA, Jonnagaddala J, Gudi N, Islam R, Narasimhan P, Liaw ST. mHealth for Integrated People-Centred Health Services in the Western Pacific: A Systematic Review. *Int J Med Informatics* 2020; 142: 104259. DOI: <https://doi.org/10.1016/j.ijmedinf.2020.104259>
This publication reported on a systematic review funded by the WHO Western Pacific Regional Office
 - Jonnagaddala J, Guo GN, Batongbacal S, Marcelo A, Liaw ST. Adoption of enterprise architecture for healthcare in AeHIN member countries. *BMJ Health & Care Informatics* 2020; 27: e100136. DOI: 10.1136/bmjhci-2020-100136
This publication reported on a survey conducted among members of the Asian eHealth Information Network (AeHIN)
 - We have completed a review of the effectiveness of implementation and evaluation toolkits for digital health programs. This review will guide the rationalization of the use of existing implementation guides/toolkits to inform and support LMIC to develop, implement, evaluate and sustain eHealth programs. It will also inform the development of future toolkits.

4.a Current number of members: c. 15

4.b. List of WG/SIG members:

Teng Liaw (Chair), Simon de Lusignan (Co-Chair), Harshana Liyanage (Secretary), Craig Kuziemsky, Richard Schreiber, Amanda Terry, Zoie Wong, Jitendra Jonnagaddala, Sameera Ansari, Myron Godinho, Andrew Georgiou, Christopher Pearce, Kumara Mendis and members of the global community of primary care informatics experts and enthusiasts who have participated in the many PCIWG activities and Delphi group studies in the past few years.