



IMIA Primary Health Care Informatics WG18 2023 Report (June 2022 – June 2023)

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[WG Website](#)

The **PCIWG** remains active in how informatics can help the health informatics community, especially primary care practitioners and organisations, learn the lessons from the pandemic and underpin future pandemic preparedness.

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

1. International collaborations

- i. Jonnagaddala, J., U. Hoang, K.-A. Wensaas, K. Tu, A. Ortigoza, J. Silva-Valencia, M. S. Cuba-Fuentes, M. A. Godinho, S. de Lusignan & S.-T. Liaw (2023). "Integrated management systems (IMS) to support and sustain quality One Health services: International lessons from the COVID-19 pandemic by the IMIA Primary Care Informatics Working Group." *Yearb Med Inform 2023* (in press).
This IMIAYB 2023 paper was a collaboration of PCIWG members from Australia, Canada, Chile, Peru, England (UK) and Norway (EU).
- ii. Tu K, Sarkadi Kristiansson R, Gronsbell J, de Lusignan S, Flottorp S, Goh LH, Hallinan CM, Hoang U, Kang SY, Kim YS, Li Z, Ling ZJ, Manski-Nankervis JA, Ng APP, Pace WD, Wensaas KA, Wong WC, Stephenson E; INTRePID. Changes in primary care visits arising from the COVID-19 pandemic: an international comparative study by the International Consortium of Primary Care Big Data Researchers (INTRePID). *BMJ Open*. 2022 May 9;12(5):e059130. doi: 10.1136/bmjopen-2021-059130.
This paper describes the International Consortium of Primary Care Big Data Researchers (INTRePID)

- iii. Quintana Y, TA Cullen, JH Holmes, A Joshi, D Novillo-Ortiz & ST Liaw. "Global Health Informatics: the state of research and lessons learned." *J Am Med Informatics Assoc* 2023. 30(4): 627-633. DOI: 10.1093/jamia/ocad027. *This paper was a collaboration of PCIWG members from Australia, USA and EU.*

2. European collaborations

- i. Bagaria J, Jansen T, Marques DF, Hooiveld M, McMenemy J, de Lusignan S, Vilcu AM, Meijer A, Rodrigues AP, Brytting M, Mazagatos C, Cogdale J, van der Werf S, Dijkstra F, Guiomar R, Enkirch T, Valenciano M; I-MOVE-COVID-19 study team. Rapidly adapting primary care sentinel surveillance across seven countries in Europe for COVID-19 in the first half of 2020: strengths, challenges, and lessons learned. *Euro Surveill.* 2022 Jun;27(26):2100864. doi: 10.2807/1560-7917.ES.2022.27.26.2100864
This paper describes the Influenza-Monitoring Vaccine Effectiveness in Europe (I-MOVE) network.
- ii. Díez-Domingo J, Torcel-Pagnon L, Carmona A, Launay O, Dos Santos G, Rizzo C, Haag M, Stuurman A, Nauta J, Vannacci A, de Lusignan S, Del Rey E, Levi M, Lina B, Bellino S, Nye S, Neels P, Nohynek H, Mahé C; DRIVE consortium. The value of public-private collaborative real-world evidence platforms to monitor vaccine performance post authorization: DRIVE - a European initiative. *Expert Rev Vaccines.* 2022 Dec;21(12):1701-1710. doi: 10.1080/14760584.2022.2137144. Epub 2022 Oct 27.
This paper describes the Development of Robust and Innovative Vaccine Effectiveness (DRIVE) project.

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

1. APAMI (Asia Pacific Association of Medical Informatics) & AeHIN (Asia eHealth Information Network)

- i. Members continue to collaborate with APAMI & AeHIN in digital health capacity building. This includes academic activities with:
 - University of Colombo Postgraduate Institute of Medicine (MD Health Informatics) program and examinations; and
 - University of Nepal Health Informatics course advisory board.
- ii. Teng Liaw, Andrei Blaj, Ruma Bhargava. *Data and interoperability in healthcare: ethics, opportunities and the way forward.* The Economist Impact Future of Healthcare Week Asia, Building sustainable systems for all. Panel presentation & discussion, 15-17 Nov 2022
- iii. Webinar: *Digital health maturity and policy considerations for Digital Health and Universal Health Coverage for Pacific Island Countries' health authorities.* SPC and Pacific Health Information Network on 28 Sep 2022.
- iv. Keynote presentation: *Recent advances and developments of eHealth for primary healthcare.* Public Symposium "Public Health in the Digital Age", St Luke's International University Graduate School of Public Health Online Open Campus. Tokyo Japan 22 May 2022

2. European Federation of Medical Informatics Association

- i. Kuziemy C, Anders, S, Peute L, Novak L, "Understanding System Coordination As An Enabler of One Digital Health" Panel at MIE 2023.
This paper was a collaboration of PCIWG members from Canada and EU.

3. Capacity building program of work with WHO

- i. Members continue to engage with the digital health capacity building program work with the WHO Department of Information and Innovation (Geneva), WHO Western Pacific Regional Office and WHO Department of Pacific Support. This includes the development, delivery and evaluation of a capability maturity focused digital health program at national and subnational levels. The International Digital health and Artificial Intelligence Research Collaborative (I-DAIR) is a WHO partner in this work.
- ii. Webinar: *Digital health maturity and policy considerations for Digital Health and Universal Health Coverage for Pacific Island Countries' health authorities*. WHO Western Pacific Regional Office Manila on 14 Sep 2022.

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.

1. OHDSI (Global & Asia Pacific)

- i. Members of the PCIWG continue their collaborative data-driven research with with one another as well as with the Observational Health Data Science Informatics (OHDSI) community in a number of research projects, involving a number of global data networks, including those from Australia (ePBRN & MedicineInsight, Canada (UTOPIAN program) , England & UK (RCGP Surveillance Network), EU (EDHEN), Korea, Taiwan, Singapore among others. Publications include:
 - Lu, Y,... et al. Analysis of Dual Combination Therapies Used in Treatment of Hypertension in a Multinational Cohort. *JAMA Network Open* 2022; 5(3): e223877-e223877. DOI: 10.1001/jamanetworkopen.2022.3877
 - Williams, RD,... et al. "Seek COVER: using a disease proxy to rapidly develop and validate a personalized risk calculator for COVID-19 outcomes in an international network." *BMC Med Research Method* 2022; 22(1): 1-13. DOI: 10.1101/2020.05.26.20112649

4. Current List of members/collaborators:

Teng Liaw (Chair), Simon de Lusignan (CoChair), Craig Kuziemsky, Amanda Terry, Karen Tu, Zoie Wong, Meredith Leston, Jitendra Jonnagaddala, Myron Godinho, Christopher Pearce, Kumara Mendis, Uy Hoang, Knut-Arne Wensaas, Angela Ortigoza, Javier Silva-Valencia, Maria Cuba-Fuentes, and members of the global community of primary care informatics experts and the many PCIWG enthusiasts who have participated in the PCIWG activities and Delphi group studies over the years.