

IMIA NI NEWSLETTER May 2026

May provides an important opportunity to recognise how nurses internationally are shaping the future of healthcare through leadership, innovation, digital transformation, and informatics. As we mark International Nurses Day on 12 May, we acknowledge the growing influence of nurses in designing safer systems, improving access to care, strengthening the use of data, and ensuring that technology remains person-centred.

Across clinical practice, education, research, policy, and industry, nurses continue to lead change within increasingly complex digital health environments. From artificial intelligence and virtual care to data-driven decision-making and workforce innovation, Nursing Informatics is playing a critical role in transforming healthcare delivery globally.

This month's newsletter highlights examples of this leadership and impact from across our IMIA Nursing Informatics community. Together, these contributions demonstrate the expertise, collaboration, and vision that continue to shape the future of digital health worldwide.

We thank all members for the work they do each day to advance Nursing Informatics and strengthen healthcare systems for the communities we serve.

[Executive Committee 2025-2029](#)

Chair: Gregory Alexander

Vice-Chair Admin & Finance: Ulla-Mari Kinnunen

Vice-Chair Membership: Hana Ibrahim Abu Sharib

Vice-Chair Advisory Panels: Dawn Dowding

Vice-Chair Communication: Helen Almond



1 - Chair: Gregory Alexander



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Purpose: Guided by its values of inclusivity, ethics, and compassion, IMIA NI advocates for nurses worldwide and collaborates to advance good digital health practices. IMIA NI empowers individuals and communities to use innovative technologies to enhance health, healthcare, and patient outcomes

Chair's Message

As Chair of IMIA Nursing Informatics, I am pleased to share a brief update following our Board meeting held on 13 April 2026.

The Board continues to progress the IMIA NI Strategic Plan 2025–2028, using it as the foundation for advancing our priorities and strengthening implementation across all areas of activity. Recent discussions focused on translating strategy into action through advisory panel workstreams, clearer reporting mechanisms, and improved tracking of progress.

Strengthening governance and inclusivity also remains a key priority. The Board considered proposed revisions to the IMIA bylaws aimed at broadening participation and creating greater opportunities for engagement across our global community, including potential expanded involvement of advisory panel members within Board activities.

Communication and member engagement continue to evolve as important areas of focus. We are exploring more dynamic and timely approaches to sharing updates, celebrating member achievements, and increasing visibility of nursing informatics initiatives through

platforms such as LinkedIn and other digital channels. These efforts are intended to encourage ongoing collaboration and stronger member connection throughout the year.

Our Advisory Panels are progressing plans for webinars, professional engagement activities, and contributions to the IMIA Yearbook. At the same time, membership activities continue to focus on strengthening communication, improving data quality, and building strategic connections with organisations including the International Council of Nurses and the World Health Organization.

Together, these initiatives reflect our continued commitment to collaboration, innovation, and advancing the visibility and impact of nursing informatics globally.

Best wishes **Gregory Alexander**

Country and Regional Updates



A society member of IMIA NI is an active participant in the International Medical Informatics Association – Nursing Informatics community. Members meet eligibility criteria, engage in the society’s activities, and contribute to advancing nursing and health informatics. They benefit from networking, professional development, and opportunities to shape the field, reflecting a commitment to innovation, collaboration, and the mission of IMIA NI.

Vision: Globally nurses are empowered and included to develop and use innovative and effective digital tools and technologies.

Spotlight on NAIL Collaborative¹



The Nursing and Artificial Intelligence Leadership (NAIL) Collaborative

The Nursing and Artificial Intelligence Leadership (NAIL) Collaborative continues to advance the global conversation surrounding the role of nursing in the safe, ethical, and effective integration of artificial intelligence within healthcare.

NAIL is an international and interdisciplinary collaboration bringing together expertise from nursing, biomedical ethics, implementation science, health informatics, policy, and AI development. The collaborative is co-directed by Max Topaz (Columbia University), Martin Michalowski (University of Minnesota), Laura-Maria Peltonen (University of Eastern Finland), Lisiane Pruinelli (University of Florida), and Charlene Ronquillo (University of British

¹https://www.nailcollab.org/?utm_source=chatgpt.com

Columbia Okanagan), reflecting strong international leadership across North America and Europe.

Recent publications from the collaborative highlight emerging priorities and challenges for the profession. In the *Journal of Nursing Scholarship* (2025), NAIL published “*The Overlooked Dark Side of Generative AI in Nursing: An International Think Tank’s Perspective*,²” developed following an international workshop hosted at the Brocher Foundation in Switzerland in November 2024. The paper explores overlooked risks associated with generative AI in nursing and emphasises the importance of embedding nursing expertise into the design and governance of AI-enabled health technologies.

A second publication in the *Journal of Advanced Nursing* (2025), “*An AI-Enabled Nursing Future with No Documentation Burden: A Vision for a New Reality*,”³ presents a future-focused vision for multimodal large language models capable of capturing audio, video, and text during patient interactions. The authors propose that such technologies could significantly reduce documentation burden while strengthening nurse–patient engagement and supporting more person-centred care.

Beyond research, NAIL members continue to contribute to international policy and professional discussions, including participation in the NHS England *AI in Reality Roundtable for Nursing and Midwifery*. The collaborative also hosts the annual AI Nurse workshop alongside the International Conference on Artificial Intelligence in Medicine (AIME), supporting ongoing dialogue, research exchange, and interdisciplinary collaboration in AI and nursing.

Further information, publications, and upcoming events are available through the NAIL Collaborative⁴.

²<https://sigmapubs.onlinelibrary.wiley.com/doi/abs/10.1111/jnu.70016>

³<https://onlinelibrary.wiley.com/doi/full/10.1111/jan.16911>

⁴<https://www.nailcollab.org/home>

Opportunity for Contribution: Special Topic on Artificial Intelligence in Clinical Decision Support



ACI - Applied Clinical Informatics Journal⁵ is currently seeking submissions for a special topic issue focused on the real-world application of artificial intelligence (AI) in Clinical Decision Support (CDS) systems. This opportunity may be of particular interest to IMIA NI members and Advisory Panels.

The call invites original research exploring how AI-powered CDS tools are being implemented across clinical environments and their impact on healthcare outcomes. Importantly, the focus is on practical clinical application and measurable outcomes rather than purely technical or theoretical developments.

Submissions are encouraged from across the multidisciplinary healthcare workforce, including nursing, medicine, pharmacy, allied health, and patient-centred care perspectives.

Key areas of interest include:

- Quality of care and adherence to evidence-based practice
- Patient safety and reduction of clinical errors
- Patient experience and shared decision-making
- Identification of at-risk populations
- Human factors, workflow integration, and automation bias

⁵<https://amia.org/news-publications/journals/aci-applied-clinical-informatics-journal>

- Explainability and transparency of AI recommendations
- Governance, validation, and benchmarking of AI-CDS systems
- Comparisons between AI-enabled and traditional rule-based CDS approaches

The special issue particularly welcomes research examining how clinicians interact with AI-supported systems in real-world practice settings and the implications for safety, trust, usability, and clinical decision-making.

Submissions that are purely theoretical, lack clinical application, or do not include clinician or patient outcomes are considered outside scope.

Submission Information

- **Submission Deadline:** 31 October 2026
- **Required Manuscript Title Format:** “*Special Topic AI in CDS: [Your Title]*”
- **Submission Portal:** Manuscript Submission Portal⁶
- **Author Instructions:** Instructions for Authors⁷

Guest Associate Editors

- David Chestek (Special Topic Lead)
- Bhrandon Harris
- Kate Eisenberg
- Gongbo Zhang
- Esteban Gershanik
- Jakir Hossain Bhuiyan Masud

This special issue presents an excellent opportunity for researchers and clinicians working at the intersection of AI, digital health, patient safety, and clinical informatics to contribute to the growing evidence base surrounding responsible and effective AI-enabled care.

⁶https://mc.manuscriptcentral.com/acij?utm_source=chatgpt.com

⁷https://lp.thieme.de/open-access-files/174/author_instructions.pdf?utm_source=chatgpt.com

Publications: International Nursing, Digital Health & Informatics Leadership



Ilona is one of Ulla-Mari's PhD Students. She had her first article published recently.

Congratulations Ilona, we look forward to reading and promoting your continues success in Digial Health and Informatics.

Rönkkö Ilona, Heiskanen Antti, Antikainen Katja, Liljamo Pia, Kinnunen Ulla-Mari. A Statistical Framework for Person-centered Analysis of Digital Service Use in Public Health and Social Care. *Methods Inf Med*. 2026 Apr 18. doi: 10.1055/a-2844-0874. Epub ahead of print. PMID: 41941881. Thieme E-Journals - Methods of Information in Medicine / Full Text⁸

1. Fabricated citations: an audit across 2.5 million biomedical papers

As artificial intelligence becomes increasingly integrated into academic and clinical environments, questions surrounding research integrity and evidence reliability are gaining global attention. A recent large-scale audit published in *The Lancet*⁹ identified thousands of fabricated references across biomedical literature, raising important implications for healthcare education, publishing, and evidence-based practice.

The audit reviewed more than 2.5 million biomedical papers and over 125 million references published between 2023 and 2026. Researchers identified more than 4,000 fabricated references embedded within peer-reviewed literature, with rates increasing significantly alongside the rapid adoption of large language models and AI-assisted writing tools. The findings highlight growing concerns regarding citation accuracy, academic integrity, and the need for stronger verification processes across scholarly publishing. For healthcare

⁸<https://www.thieme-connect.com/products/ejournals/html/10.1055/a-2844-0874>

⁹[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(26\)00603-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(26)00603-3/fulltext)

professionals, educators, and researchers, the study reinforces the importance of critical appraisal, responsible AI use, and maintaining trust in evidence-based practice.

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(26\)00603-3/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(26)00603-3/fulltext)

2. Contributions of Artificial Intelligence to Decision Making in Nursing: A Scoping Review

This scoping review examines how artificial intelligence is contributing to clinical decision-making in nursing practice. The paper highlights the growing use of AI to support assessment, prioritisation, clinical judgement, and workflow efficiency, while also reinforcing the importance of ethical oversight, transparency, and maintaining the central role of nurses in care decisions.

Read the paper:

<https://onlinelibrary.wiley.com/doi/full/10.1111/nhs.70308>

3. Implementing a National Nursing and Midwifery Digital Health Capability Framework (2026)

This recently published mixed-methods study examines the implementation of a national digital health capability framework for nurses and midwives. The paper identifies key barriers and enablers to informatics engagement and reinforces the importance of workforce capability, education, and leadership in strengthening digitally enabled healthcare systems.

Read the paper:

<https://journals.sagepub.com/doi/10.3233/SHTI240884>

4. Automated Identification of Nursing Diagnoses and Interventions Using Large Language Models (2026)

Published in the *Journal of Medical Internet Research*, this study explores how large language models can support the automated identification of nursing diagnoses and interventions from clinical nursing records. The research demonstrates the growing role of AI and data-driven approaches in supporting clinical documentation, workflow efficiency, and decision support in nursing practice.

Read the paper:

<https://www.jmir.org/2026/1/e89850/>

Why this matters

Together, these papers highlight how nurses internationally are shaping the future of healthcare through leadership in artificial intelligence, digital capability development, and data-driven innovation. As Nursing Informatics continues to evolve globally, nursing

perspectives remain essential to ensuring technology supports equitable, ethical, and person-centred care.

Global Nursing Informatics & Digital Health Conferences in 2026



6 - Save the Date

Please note that some events may have multiple sessions or tracks focusing on different aspects of nursing and healthcare. For detailed information on each conference, including registration, abstract submissions, and specific themes, it's advisable to visit the respective websites.



Medical Informatics Europe (MIE 2026) - 25-28 May 2026

Several IMIA NI members will be attending the European Federation for Medical Informatics (EFMI) Medical Informatics Europe Conference (MIE 2026) later this month. We look forward to connecting with colleagues from across the global digital health and nursing informatics community throughout the event.

MIE 2026 highlights the growing international contribution of nursing informatics across artificial intelligence, interoperability, nursing data, workflow innovation, and digital transformation in healthcare.

The conference includes a strong program of nursing-related presentations and workshops:

Monday 25 May 2026

- **Unlocking the Value of Nursing Data: An International Opinion Paper on Missed Opportunities and Policy Imperatives**

Tuesday 26 May 2026

- **Triangulating Technology Acceptance, Cognitive Load, and Human Factors: A Qualitative Analysis of Nursing Workflows with Multi-Vendor CCIS in PICU**
- **Mapping Nursing Workflows for Digital Innovation: Field Observations and Co-Creation in Austrian Care Settings**
- **Workshop: AI Nurses Network — An Interactive Workshop Exploring How Nurses Can Be Supported with Artificial Intelligence Research and Practice**
- **Beyond the Code: Bridging Standards and AI to Open the Personal Gate of Care**

Wednesday 27 May 2026

- **Cross-Institutional Data Harmonization for AI in Nursing Care Using the OMOP Common Data Model**
- **Evaluating Generative AI in Nursing Decisions**
- **Harnessing Clinical Data Streams for Nursing Workload Prediction Using Artificial Intelligence**
- **Time to Care – AI-Supported Nursing Documentation**
- **Demo: Effects of Process Pathway-Equipped Applications: Enhancing Nursing Quality and Reducing Overtime**

Thursday 28 May 2026

- **Adapting the Medical Core Data Set Framework for Nursing: A Conceptual Review of the German Medical Informatics Initiative**
- **Usability of Digital Health Technologies in the US: Results from a Descriptive National Online Survey of Nurses**
- **Between SNOMED CT and FinCC: Enhancing Semantic Interoperability**

These presentations reflect the increasing visibility and impact of nursing informatics in shaping the future of digitally enabled, data-informed, and AI-supported healthcare globally.

EFMI MIE 2026 Conference¹⁰

¹⁰https://mie2026.efmi.org/?utm_source=chatgpt.com

And in future.....

- **AIDH / HIC2026 (Health Informatics Conference)**

When / Where: 3 – 4 August 2026 - Sydney International Convention Centre, Australia.

Why relevant: Australasia’s peak digital health conference — strong local relevance for Australian nursing informatics, education, workforce and implementation topics.

Source: AIDH (digitalhealth.org.au) event/HIC pages. AIDH¹¹

- **ICN NP/APN Network Conference 2026 (hosted by a university)**

When / Where: 14–17 September 2026 — Nashville, Tennessee, USA (hosted by Vanderbilt University School of Nursing; endorsed by ICN NP/APN Network).

Why relevant: Although this is the ICN NP/APN network conference (advanced practice nursing focus), it is ICN-affiliated and university-hosted — good for practising nurses and nurse leaders working with informatics in advanced practice settings.

Source: ICN event page and the conference site (Vanderbilt host). ICN - International Council of Nurses¹²

- **IMIA (noting 2026 IMIA activity — General Assembly / IAHSI / regional meetings)**

When / Where: IMIA lists **General Assembly and IAHSI plenary meetings in 19 & 20 October 2026 (Buenos Aires, Argentina)** and other IMIA regional events in 2026; **MedInfo** (IMIA’s large congress) is scheduled for **August 4 & 5 2027 (Dubai)**¹³

Why relevant: IMIA is the global body for biomedical & health informatics and IMIA-NI is the recognised nursing informatics — IMIA events and working group meetings are the most authoritative places for nursing informatics activity.

Source: IMIA NI official site¹⁴ (calendar, MedInfo, IMIA NI pages).

Wellbeing Without Borders - Sustaining Human Connection in a Digital World

“Caring for ourselves is not separate from caring for others — it is fundamental to sustaining compassionate and safe healthcare.”

¹¹<https://digitalhealth.org.au/>

¹²<https://www.icn.ch/events/icn-npapr-network-conference-2026>

¹³<https://www.medinfo2027.org/>

¹⁴<https://imia-medinfo.org/wp/>

As healthcare systems continue to evolve through digital transformation, it is equally important to prioritise the wellbeing of the nursing workforce. While technology can improve efficiency, communication, and access to care, the increasing pace of digital change can also contribute to cognitive overload, fatigue, and emotional exhaustion.

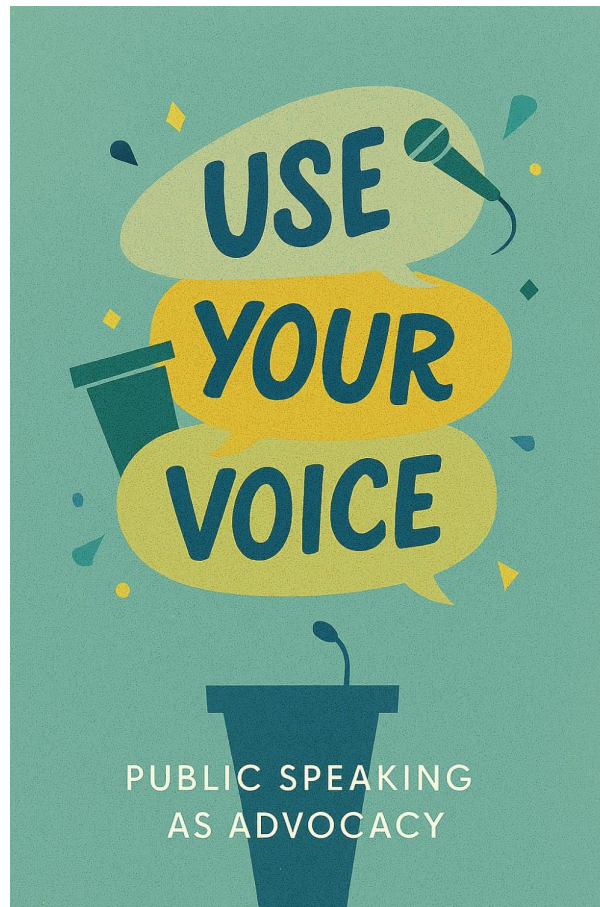
This month, we encourage nurses and healthcare professionals to reflect on strategies that support wellbeing in digitally intensive environments, including:

- Setting healthy boundaries with technology
- Taking regular screen and cognitive breaks
- Supporting peer connection and mentorship
- Promoting psychologically safe workplaces
- Maintaining compassionate, person-centred communication
- Recognising the importance of rest, reflection, and professional balance

Digital innovation should not replace the human aspects of care that define nursing. Instead, technology should support clinicians to work more effectively while preserving empathy, professional identity, and meaningful patient relationships.

As leaders in digital health transformation, nurses also have an important role in advocating for technologies and systems that are designed with workforce wellbeing, usability, and sustainability in mind.

Your experiences, ideas, and successes help shape our global community



The Newsletter is your space. Our community is at its strongest when we learn from one another. We'd love to hear your stories, successes, and experiences — big or small — from wherever you are in the world. Have something you're proud of, a project you're working on, or a lesson you've learned along the way?

We welcome your feedback on previous newsletters, events, or ideas you'd like to see featured. Please take a moment to share your news with us — your story may be included in an upcoming edition and help inspire others across our global NI community.

Web <https://imia-medinfo.org/wp/sig-ni-nursing-informatics/>¹⁵

LinkedIn IMIA NI - the global representative body for nursing informatics¹⁶

¹⁵<https://imia-medinfo.org/wp/sig-ni-nursing-informatics/>

¹⁶<https://www.linkedin.com/groups/6716836/>