Global Evidence Summit Highlights and Key Learning

Dr. Arohi Chauhan

Email: arohi_285@yahoo.co.in

Using evidence. Improving lives.

Contents

Key Themes -

Sustainable development agenda

Research integrity making evidence accessible

Power of synergy in evidence synthesis

Evidence translation & implementation

Advocating for greater evidence communication

Global evidence to local impact

Global Evidence Summit

The Global Evidence Summit is an international event that brings together researchers, policymakers, and stakeholders to advance evidence-based decision-making in health and development, serving as a platform to share innovations in evidence synthesis and integrate scientific findings into public health policies. This year's key themes included:
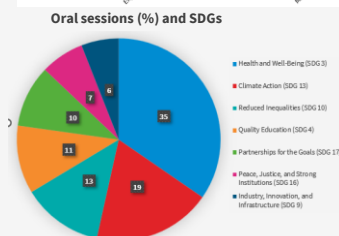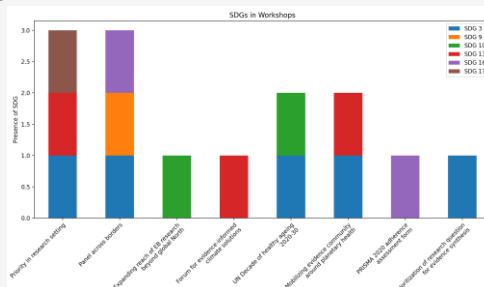
•**Sustainable Development Agenda**: Linking science with societal challenges.
•**Research Integrity and Accessibility**: Ensuring ethical, reliable evidence.
•**Synergy in Evidence Synthesis**: Promoting collaboration to enhance decision-making.
•**Evidence Translation and Implementation**: Turning evidence into actionable strategies for health equity.
•**Advocacy for Evidence Communication**: Exploring innovative ways to communicate evidence.
•**Global Evidence to Local Impact**: Adapting global evidence for local decision-making and improved outcomes.

The Global Evidence Summit featured a plenary session focused on the Sustainable Development Agenda, which addressed the paradox of living in a scientifically advanced age while facing challenges of mistrust and misinformation. Key speakers, including Jeremy Farrar, stressed the necessity of trust in scientific processes and transparency to effectively tackle global issues such as inequality. Najat Aoun Saliba highlighted the negative impact of war on the Sustainable Development Goals (SDGs) and called for resilience and alignment in rebuilding efforts with global principles. Isabelle Mercier pointed out the underutilization of data in accelerating progress towards the SDGs, advocating for improved sharing of actionable insights with decision-makers. The key takeaway from this session was that trust, resilience, and effective data-sharing are crucial for achieving the SDGs. The workshops on Sustainable Development Goals (SDGs) emphasized the complexities of multisectoral research coordination, highlighting the importance of stakeholder engagement and consensus-building for effective research prioritization. The summit also committed to advancing the SDGs through robust evidence generation, as seen in the "Maximizing Research Value and Reducing Waste" session, which showcased the Evidence-Based Research Network (EBRNetwork) to minimize redundant studies. Sessions on academic health librarians' online teaching, health data sharing in the Czech Republic, and the
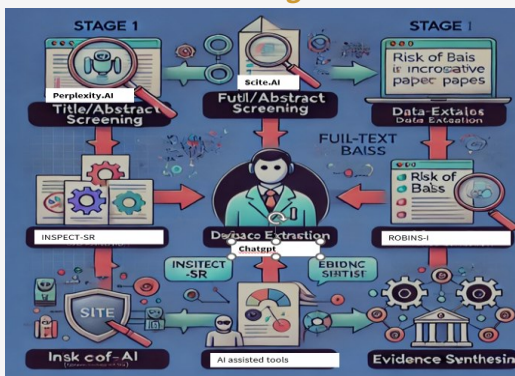
evaluation of anticancer drugs illustrated the intersection of education, data management, and clinical decision-making in evidence-based healthcare. The emphasis on scoping reviews for guideline development and standardized reporting reinforced methodological transparency, while evaluations of mpox preprints highlighted the need for rigorous quality assessments in emergency settings. Overall, the summit underscored the interconnectedness of research, policy, and practice in achieving sustainable and equitable health outcomes globally by fostering collaboration, addressing research gaps, and integrating patient and equity considerations.

Research integrity making evidence accessible

Highlights

- The ethical foundations of decision-making
- Integration of ethics into evidence to decision framework
- The risks posed by AI-generated research
- Responsible AI use in evidence synthesis

- **Key takeaway**: Ethical considerations and rigorous standards

Learnings

The plenary session on research integrity making evidence accessible focused on the ethical foundations of decision-making and the challenges of maintaining research integrity. Carla Saenz emphasized the integration of ethics into Evidence to Decision (EtD) frameworks, while Isabelle Boutron criticized reliance on peer review and the risks of AI-generated research, advocating for automated tools to detect unreliable studies. James Thomas called for responsible AI use in evidence synthesis, highlighting the need for transparency and bias-free tools. Key takeaways included the essential role of ethical considerations and rigorous standards in ensuring trustworthy evidence.

The integration of AI into systematic reviews is transforming academic research by improving efficiency, accuracy, and innovation. Workshops showcased AI tools like Perplexity.AI for evidence validation, Scite.AI for identifying retracted papers, and INSPECT-SR for detecting problematic randomized controlled trials. The summit also addressed concerns about fraudulent research and predatory publishing, with initiatives like the RIPPER Working Group helping to identify problematic studies. While AI enhances research processes, its variable performance across domains underscores the necessity for human oversight. Overall, the summit highlighted the potential of AI and innovative tools to improve the reliability and quality of evidence in healthcare research while maintaining research integrity.

Power of synergy in evidence synthesis
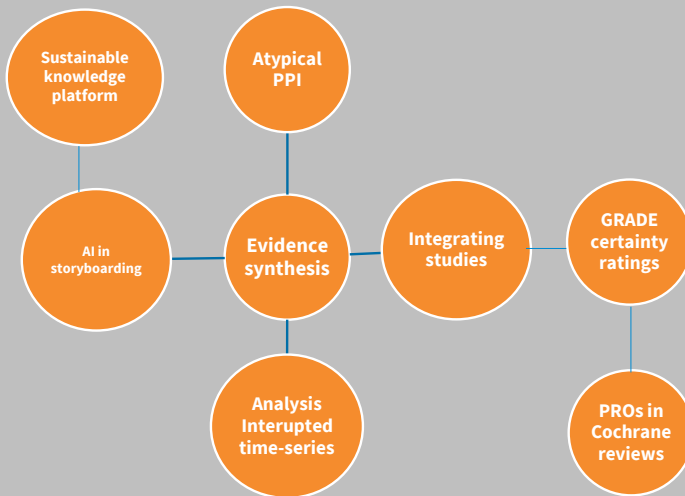
Highlights

Learnings

- **Collaborative Guideline Development** - Interdisciplinary approaches in guideline development
- **Rapid Evidence Synthesis and Collaboration** - Global relay models for rapid evidence synthesis
- **Patient-Centered Approaches** - Involving patients in healthcare quality improvement
- **Innovative Methodologies** - AI-assisted evidence synthesis and cross-disciplinary collaboration
- **Barriers and Facilitators in Collaboration**
- **Regional Collaborations and Capacity Building** - Promoting evidence-based policymaking through regional initiatives

Plenary session on Power of Synergy in Evidence Synthesis & Synthesis Products highlighted the critical role of collaboration and the need to balance speed with rigor in evidence synthesis for improved health decision-making. Holger Schünemann emphasized the integration of diverse evidence sources among global health actors, advocating for global frameworks to support multidisciplinary efforts. Jitka Klugarová addressed the challenge of accelerating clinical guideline development without compromising quality, urging the adoption of innovative methods such as AI tools and automated evidence screening, especially during public health emergencies. Promise Nduku shared a successful case study from South Africa, showcasing the co-production of evidence maps that resulted in inclusive, context-specific, and actionable evidence through government-research collaboration. The session underscored the importance of synergistic collaboration among researchers, policymakers, and health sectors to enhance the speed, quality, and reliability of evidence synthesis, ultimately enabling informed, data-driven health decisions that address both local and global challenges. Additionally, successful collaborative efforts in guideline development, patient-centered approaches, and regional initiatives were highlighted, reinforcing the value of interdisciplinary and innovative strategies in enhancing evidence synthesis and promoting capacity building at both regional and global levels.

Power of synergy in evidence synthesis - Learnings

The workshops at the Global Evidence Summit highlighted key advancements and methodologies in evidence synthesis, emphasizing the importance of patient-reported outcomes (PROs) and public involvement in research. Discussions around PROs focused on the challenges of analyzing and interpreting results from clinical trials, underscoring the need for minimal important difference (MID) for effective data aggregation. Atypical patient and public involvement (PPI) strategies were explored to enhance participation in highly technical research, demonstrating their value in contexts where their impact may not be immediately apparent. The analysis of Interrupted Time Series (ITS) studies showcased digital data extraction and the use of segmented linear regression models, addressing potential biases through the ROBINS-I framework. The introduction of the Sustainable Knowledge (SK) Platform by the Epistemonikos Foundation illustrated how AI can enhance the efficiency of evidence synthesis, particularly for resource-intensive processes. The workshops also delved into GRADE certainty ratings, the integration of randomized and nonrandomized studies, and innovative AI-supported methods for qualitative evidence synthesis. Overall, the workshops emphasized the interconnectedness of these themes, with "Evidence Synthesis" emerging as a central concept that links various methodologies and technologies, demonstrating the multidisciplinary nature of evidence synthesis and the ongoing evolution of healthcare research and

decision-making practices.

Evidence translation & implementation

Highlights

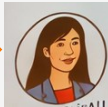Evidence-based interventions
Social disparities in health
David William

Lara Fairall
PACK initiative - knowledge and practice in primary healthcare

Key speakers

Evidence translation & Implementation

Policy research network

Evidence integration into decision-making
Andrea Ordóñez Llanos

Yan Hu
Culturally relevant models in China –
Improved clinical practices

Learnings

- **Involving Patients and Public in Living Guidelines**
- **Toolbox for Effective Evidence Dissemination**
- **Applying the GRADE-ADOLOPMENT Approach**
- **Developing the GIN-McMaster Checklist Extension for Guideline Adaptation**
- **Health Equity in Evidence Synthesis and Knowledge Translation**
- **Catalyzing Collective Action for Impact: Role of the Global Coalition for Evidence**

Global Evidence Summit

Plenary 4 of the Global Evidence Summit emphasized the crucial role of evidence translation and implementation in addressing health disparities, complemented by various workshops and oral sessions that explored related themes. David R. Williams highlighted the necessity of evidence-based interventions tailored to reduce social inequities in health, stressing that marginalized communities should be prioritized to enhance public health outcomes. Andrea Ordóñez Llanos underscored the importance of policy-research networks, advocating for collaboration between researchers and policymakers to ensure that research findings are effectively translated into actionable policies. Yan Hu illustrated how culturally relevant models in China have improved clinical practices, demonstrating that evidence translation must consider cultural contexts for better uptake and efficacy. Lara Fairall presented the PACK initiative, which successfully bridges the knowledge-practice gap in primary healthcare by making evidence-based guidelines accessible and practical for healthcare workers, especially in low-resource settings.

Workshops during the summit focused on several key areas, including involving patients and the public in living guidelines, where potential models for patient involvement were explored, and strategies for meaningful engagement were

developed. Other sessions addressed effective evidence dissemination, highlighting the importance of defining target audiences and choosing appropriate communication channels. The application of the GRADE-ADOLOPMENT approach was also discussed, emphasizing the need to contextualize recommendations using the Evidence to Decision (EtD) framework. Additionally, the workshops on health equity in evidence synthesis underscored the importance of incorporating equity considerations into systematic reviews and guidelines. The central message across both plenary sessions and workshops reinforced the importance of collaboration and contextual adaptation, stressing that effective evidence translation involves adjusting interventions to fit diverse cultural and resource contexts, ultimately driving improvements in health equity and outcomes. Overall, these discussions highlighted innovative approaches, patient involvement, and collaborative efforts to strengthen evidence-informed decision-making in healthcare.

Advocating for greater evidence communication & use of evidence

Highlights

Effective communication

Story telling

Informal networks

Tacit knowledge

Learnings

- **Bridging Evidence and Practice**
- **Innovative Methodologies**
- **Health Equity Focus**
- **Challenges and Solutions**
- **Collaborative Learning**
- **Application of Technology**

Global Evidence Summit

Plenary 5 of the Global Evidence Summit emphasized the need for improved evidence communication and usage in policy and communities. Ladislav Dušek discussed the development of a comprehensive healthcare information system in Czechia, while Patrick Okwen highlighted the effectiveness of storytelling in making scientific research accessible. Devaki Nambiar stressed the integration of tacit knowledge in policy advocacy, and Laura Boeira advocated for informal collaborations to promote evidence-based decision-making in Brazil. The session underscored the importance of creative communication strategies, like storytelling, to make evidence actionable.
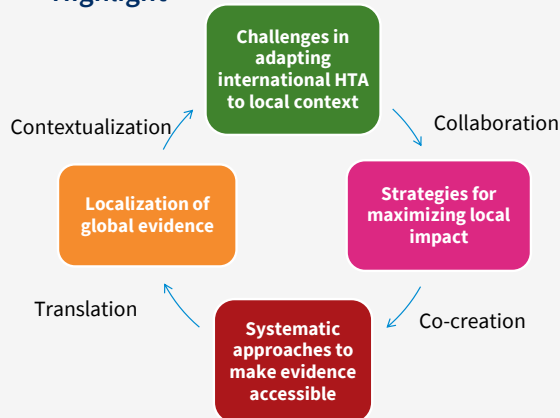
Workshops and oral sessions reinforced the need to translate research evidence into real-world applications, focusing on innovative methodologies for evidence synthesis and meta-analysis. Health equity was a key theme, highlighting the importance of guidelines and decision-making processes that consider diverse population needs. Participants engaged in collaborative learning, tackling challenges in systematic reviews and evidence implementation. Sessions explored the role of technology, showcasing AI-driven systematic reviews and digital health interventions as tools for enhancing evidence generation.

Key workshops addressed theoretical frameworks in systematic reviews, effective management of review teams, and health equity in guideline development. Oral

sessions examined evidence application through implementation science, innovative synthesis methods, and technology integration. Overall, the discussions aimed to enhance evidence use to improve healthcare outcomes through better methods, equity, collaboration, and innovation.

Global evidence to local impact

Highlight

Challenges in adapting international HTA to local context

Contextualization

Collaboration

Localization of global evidence

Strategies for maximizing local impact

Translation

Co-creation

Systematic approaches to make evidence accessible

Learning

- REPRISE study
- Bridges project – Philippines
- Soil-transmitted helminths
- Sight savers
- Cochrane review authorship
- Disability stigma - Ghana
- Gender disparities
- Women economic empowerment
- Global evidence and local adaptation - Malawi

Global Evidence Summit

The session "From Global Evidence to Local Impact" highlighted the critical importance of translating global health research into actionable local strategies, particularly in low- and middle-income countries (LMICs). Speakers addressed the challenges of aligning international health technology assessments (HTAs) with local contexts and advocated for the development of flexible, adaptable HTA frameworks. They emphasized that effective research must be tailored to the specific social, economic, and cultural conditions of target populations, which necessitates active involvement from local stakeholders in the research process. A systematic approach was proposed to enhance the accessibility of health evidence for decision-makers, with the development of tools and platforms to facilitate real-time sharing of evidence in practical formats. Key learnings from the session included the need to adapt global evidence to local realities, the importance of community collaboration in designing interventions, and the necessity of addressing evidence gaps to reflect local healthcare capacities. The discussions also underscored the significance of inclusivity in research to create equitable and context-relevant health solutions. Highlights from the session included studies emphasizing replication issues in systematic reviews, the efficacy of participatory approaches in community programs, and the need for tailored interventions in areas like eye health and disability stigma. Overall, the session reinforced that

without effective localization and dissemination, health evidence risks being theoretical and underutilized, missing opportunities for real change.

Key take-aways

- **Trust and Integrity in Science**
- **Ethical and Responsible Use of Research**
- **Collaboration and Synergy**
- **Evidence Translation & Contextualization**
- **Innovative Communication**
- **Localizing Global Evidence**

The Global Evidence Summit served as a pivotal platform for reinforcing the principles of trust and integrity in science, underscoring that transparent and ethically sound research is paramount in combating misinformation and rebuilding public confidence in evidence. The conference illuminated the critical role of interdisciplinary collaboration in enhancing the robustness of evidence synthesis, ensuring that guidelines and policies are not only rigorous but also relevant to local contexts. By emphasizing innovative communication strategies, such as storytelling and informal collaborations, the summit demonstrated how to make evidence more accessible to diverse audiences. Ultimately, the key takeaway is that for global evidence to drive meaningful impact, it must be meticulously tailored to the unique needs of local communities, necessitating systematic collaboration and knowledge-sharing mechanisms. The insights and learnings from this summit are essential for bridging the gap between global research and local implementation, empowering stakeholders to effectively address health inequities and foster sustainable change.10

Thank you

Global Evidence Summit

Using evidence. Improving lives.