



Africa AI Health Forum '25

AiHF

THEME

Harnessing Generative AI for
Healthcare Innovations - Lessons,
Challenges, and Future Directions
Bridging Research and Clinical
Practice to Drive Equitable Health-
care Transformation in Africa

JULY 24, 2025

8:00am



Hybrid

IN-PERSON & ONLINE



Institute of Distance Learning
Conference Center, KNU

Speakers



Gallery 1



CONTENTS

Introduction:	4
Objectives:	4
Speakers	5
Affiliations	5
Facilitators	5
Funders	5
Partners	5
Conference Organization	6
Program Outline	6
Application, Screening and Selection of Participants	7
Transportation, Meals and Logistics	8
Conference Presentations, Discussions and Awards	8
Attendance and Certification	8
Participant Demographics	9
Conference Evaluation	9
Modes of Advertisement	9
Evaluation of Content and Delivery	10
Evaluation of Logistics	12
Attendee Feedback	14
Conclusion	14
Recommendations and Next Steps	14
Appendix	15
Organizers	21
Partners	24
Funders	28

Theme: Harnessing Generative AI for Health Care Innovations – Lessons, Challenges, and Future Directions
Subtitle: "Bridging Research and Clinical Practice to Drive Equitable Healthcare Transformation in Africa"

Introduction:

The Africa AI Health Forum (AAIHF) was organized by the Global Health and Infectious Disease Research Group (GHID) at the Kumasi Centre for Collaborative Research in Tropical Medicine (KCCR) in collaboration with The Global Health Network to create a platform for exploring the innovative potential of AI in healthcare delivery across Africa. The maiden edition focused on generative AI technologies, particularly chatbots, and their role in enhancing disease prevention, control, and surveillance to improve health system efficiency and equitable access to care. The event showcased real-world AI applications in public health and addressed implementation challenges by proposing scalable solutions for integrating AI into healthcare systems. Perspectives from funders, regulators, innovators and researchers were highlighted to drive ongoing collaboration and innovation in AI-based healthcare solutions. The event was held on July 24 2025 at the Institute of Distance Learning Conference Center, KNUST.

Objectives:

1. Educate Clinicians and Researchers on the application of generative AI in public health. 2. Demonstrate Practical AI applications, highlight limitations and encourage responsible Adoption 3. Establish a Sustainable Community of Practice for collaboration in AI-driven healthcare.

Speakers

- Dr. John H. Amuasi ¹
- Trudie Lang ²
- Dr Prince Adjei ^{1,2}
- Dr Martin Balaba ³
- Amanda Leal ⁴
- Dr Henry Nunoo-Mensah ⁵
- Sam Nii Adjaidoo ⁶
- Nana Kofi Quakye ⁷
- Sesinam Dagadu ⁸

Affiliations

1. Global Health and Infectious Diseases Research Group, KCCR
2. The Global Health Network
3. Infectious Diseases Institute
4. HealthAI
5. Responsible AI Lab, KNUST
6. AxelleMD
7. The Aurum Institute
8. SnooCODE

Facilitators

- Angelina Tima Effah
- Dr Hazel Hasford
- Dr Beatrice Okrah
- Louis Adu-Amoah
- Audrey Agbeve
- Anita Eshun
- Dr Neta Kris A. Parsram (MC)

Partners

1. Global Health and Infectious Diseases Research Group
2. The Global Health Network
3. Infectious Diseases Institute
4. HealthAI
5. Responsible AI Lab, KNUST
6. AxelleMD
7. The Aurum Institute
8. SnooCODE

Program

MC: Neta Parsram

Time	Session	Description	Partners Involved
8:00 - 9:00	Registration	Attendees check in and network	Facilitators
9:00 - 9:05	Call to order		Dr Prince Adjei
9:05 - 9:15	Welcome Address	Welcome remarks by Group Lead	Dr John Amuasi
9:15 - 9:30	Keynote Address 1	Brief speeches from funders to set the forum's context	SFA/ TGHN/ IDRC
9:30 - 09:55	Presentation 1	AI for Health in Africa: Building from the East Towards a Continental Strategy	Dr Martin Balaba
9:55 - 10:10	Presentation 2	Integrating Artificial Intelligence into Evidence-Based Health Practices in LMICs: Challenges and Opportunities	Dr. Nana Kofi Quakye
10:10 - 10:40	Coffee Break & Networking		Facilitators
10:40 - 11:00	Presentation 3	Telehealth and EHR in Ghana: Building a Foundation for AI Innovation	Dr Wisdom Atiwoto (MoH, Ghana)
11:00 - 11:20	Presentation 4	Collaborative Artificial Intelligence Driven Resources for Expectant Mothers (C.A.R.E)	Dr Prince Adjei / AI Team
11:20 - 12:00	Panel Discussion	Dr Prince Adjei, Sesinam Dagadu, Darlington Akogo	Dr Neta Parsram
12:00 - 12:20	Workshop Tutorial	Prompt Engineering	GHID - AI - TEAM
12:20 - 13:30	Lunch and Hands-on Session		Facilitators
13:30 - 13:40	Presentation 5	AxelleMD	Sam Nii Adjaidoo
13:40 - 13:55	Presentation 6	Responsible AI for One Health: Innovations from RAIL KNUST	Dr. Henry Nunoo-Mensa
13:55 - 14:10	Presentation 7	Navigating the AI Ethics Landscape in African Healthcare: Current Realities and Future Directions	Amanda Leal (Online)
14:10 - 14:20	Award for Prompt Engineering Group winners	Awards for winners of the Prompt Engineering Challenge	Prince Adjei
14:20 - 14:30	Programme evaluation	Mentimeter	MC
14:30 - 14:40	Closing remarks		Prince Adjei

Application, Screening and Selection of Participants

Invitation letters (Appendix I) were sent to specific hospitals (Kumasi South Hospital, Ejisu Government Hospital, St Francis Xavier and KNUST Hospital) for 8 health workers from each hospital, including 2 doctors, 2 nurses, 2 midwives, and 2 dieticians. Contact persons within each facility served as coordinators or interested persons. In addition to this, an open call for applications (Appendix II) was made on Thursday 12th June, 2025 to all interested persons via the KCCR website and social media platforms such as LinkedIn, Instagram, and WhatsApp accounts of the Global Health and Infectious Diseases Research Group. Posters were pasted at vantage points on the KNUST campus to spread the word within the KNUST community. The call officially closed on 18th July with 1288 registered participants. 200 were interested in onsite and 1088 opted for online participation. The onsite applications were reviewed by 2 independent reviewers who stratified by profession and AI-relevant experience/interest. 120 shortlisted in-person attendants were required to confirm their participation by 21st July 2025. This strong engagement highlights both the regional and global relevance of the workshop themes, as well as the value of offering hybrid participation options.

	Country	Count
1	Ghana	201
2	Kenya	93
3	Uganda	73
4	Nigeria	69
5	India	64
6	South Africa	38
7	United Kingdom	36
8	Tanzania	35
9	Ethiopia	26
10	Pakistan	26
11	Malawi	23
12	Australia	22
13	United States	21
14	Zimbabwe	19
15	Spain	15
16	Zambia	13
17	Cameroon	11
18	Philippines	11
19	New Zealand	10
20	Argentina	9



Figure 1Regional Spread of registrants for the AAIHF showing top 20 countries of registrants

Transportation, Meals and Logistics

TheGHIDgroup catered for travel, accommodation and feeding for all speakers and transportation for invited participants where necessary. Due to bad weather, 2 flights were cancelled and the speakers were unable to attend in-person. Breakfast and lunch were provided by Helimanuel Catering Services and [insert name] on the day of the event.

Conference Presentations, Discussions and Awards

Presentations:

There were two keynotes and six presentations. Aside two speakers who were unable to attend, every other speaker delivered their presentations amidst slight adjustments made for time and order. Plans have been made to organize an online event to have the conversations that were missed during the conference, as part of the activities for the community of practice.

Panel Discussion:

The panel discussion was moderated by the Master of Ceremonies and included three panelists. The topics that were discussed are:

- Ethical and regulatory hurdles specific to AI adoption in healthcare
- Infrastructure limitations in LMICs
- Funding availability and sustainable implementation of AI projects
- Community engagement and public perception around AI technologies

Prompt Engineering Tutorial:

After the presentation, participants were divided into groups for a prompt engineering challenge and the best group was given awards.

Attendance and Certification

On the day of the event, 686 participants actively took part, comprising 165 in-person attendees at Institute of Distance Learning, KNUST and over 521 online participants from various countries, reflecting the broad geographic reach and diverse perspectives brought to the discussions. A post-event survey was shared with participants alongside certificates after the event.

Participant Demographics

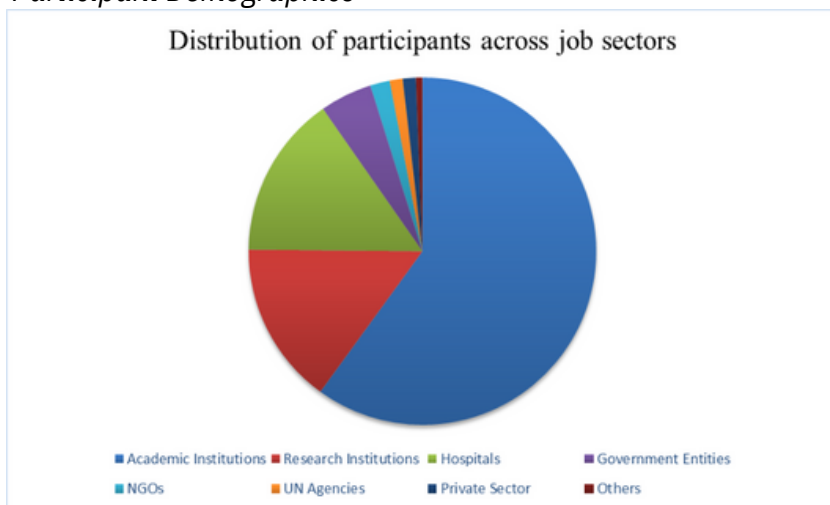


Figure 2: Distribution of in-person attendees to the AAIHF conference

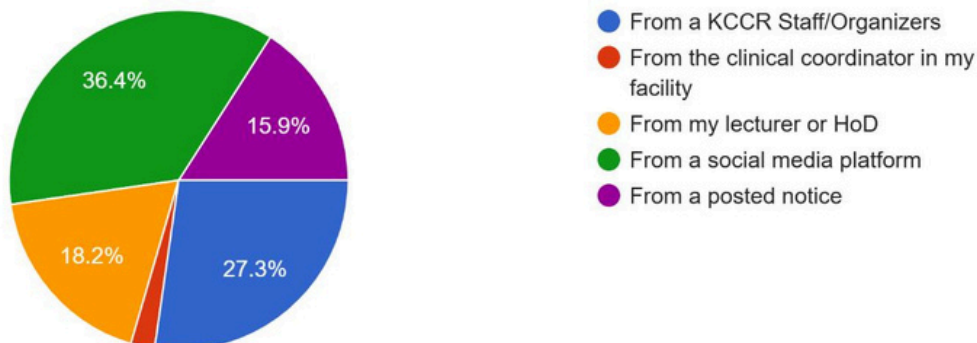
Conference Evaluation

The evaluation was delivered to participant via a google form to collect useful feedback towards improving future iterations of the event. The 44 responses from participants have been summarized below:

Modes of Advertisement

How did you hear about AAIHF 2025?

44 responses



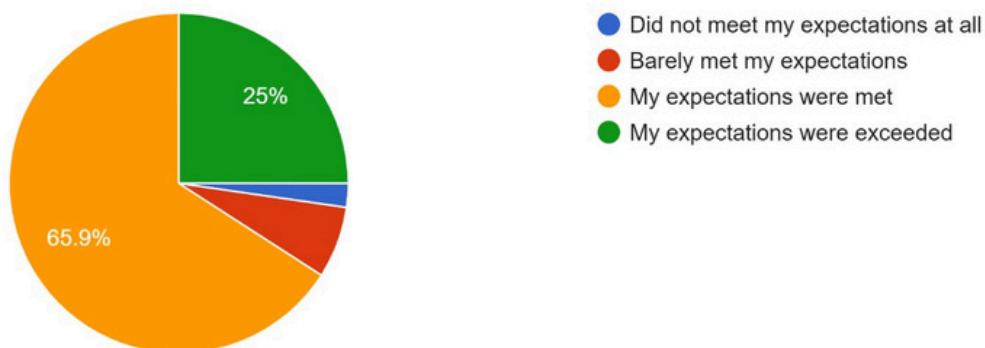
Evaluation of Content and Delivery

Overall Experience

Most participants reported that the event met or exceeded their expectations. The content was considered highly relevant and useful, and the quality of delivery—both keynotes and presentations—was rated between satisfactory and outstanding. Interaction between presenters and participants was generally positive, though feedback suggested room for deeper engagement.

Overall, to what degree did AAIHF 2025 meet your expectations by way of content and delivery?

44 responses

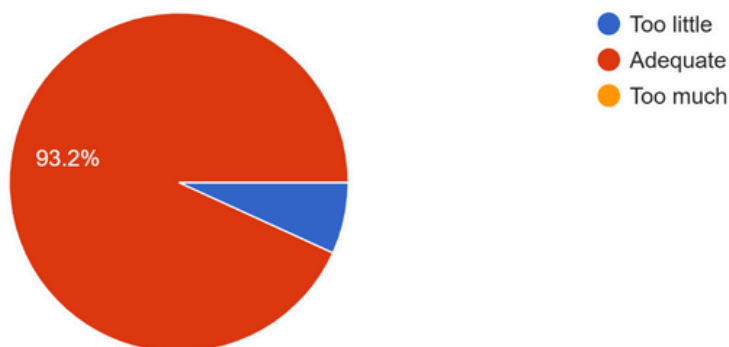


Sessions & Structure

Time allocation for presentations and panel discussions was widely viewed as adequate. The prompt-engineering tutorial and hands-on sessions received mixed feedback, with some participants desiring extended time.

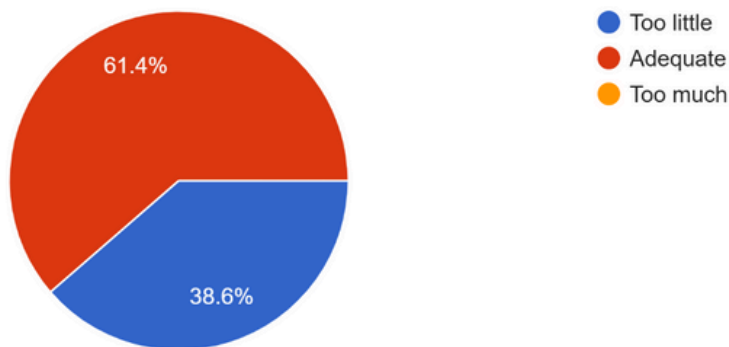
How would you rate the overall time period allotted to the presentation sessions of AAIHF 2025?

44 responses



How would you rate the time period allotted to the prompt-engineering tutorial at AAIHF 2025?

44 responses

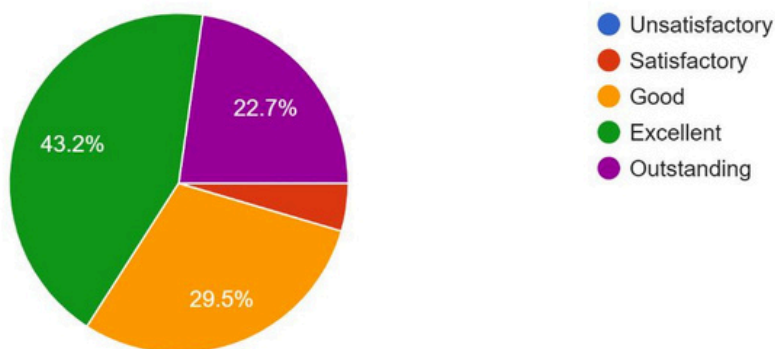


Future Relevance

Respondents expressed high satisfaction with the forum's contribution to their professional development and to the future of AI in health. A minority flagged specific areas, such as prompt engineering, as less relevant, though most felt all topics were useful.

How would you rate the relevance and usefulness of the content of the AAIHF 2025?

44 responses



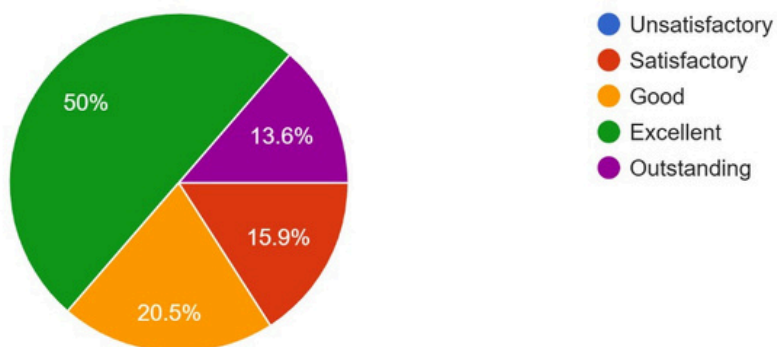
Evaluation of Logistics

Logistics & Organization

The application process and communication were well-rated. Coffee breaks and lunch were generally considered adequate, though a few comments highlighted timing and quality improvements. Seating, audibility, and slide legibility were largely rated satisfactory to very good, ensuring accessibility for participants.

How would you rate the application process, the way your application was processed, and the communication you received from the forum organizers?

44 responses



Attendee Feedback

“This was a well-organized program. We are planning to host a similar event in Uganda later this year, and this will serve as an excellent template for us to follow. I am impressed and very glad for the opportunity to be part of AAIHF.”

- *Dr. Martin Balaba, Acting Coordinator, Hub for AI in Sexual, Maternal and Reproductive Health (HASH), Uganda*

“The talk on prompt engineering was extremely helpful. I now feel more confident using ChatGPT, and I believe this conference will significantly influence the direction of my PhD work moving forward.”

- *Akua Asare Ankomah, PhD Candidate, School of Public Health, KNUST, Ghana*

“This is a very good initiative. It is inspiring to learn about innovations like this, and I believe we should continue the conversation. The Ministry will be glad to engage further with you.”

- *Dr. Wisdom Atiwoto, Health Informatics Specialist and Director of Research, Statistics, and Information Management (RSIM), Ministry of Health, Ghana*

Conclusion

The forums succeeded in delivering relevant, high-quality content with strong logistical organization. Future editions should consider allocating more time to interactive sessions and tutorials while maintaining the overall structure that participants valued. The complete overview of [evaluations](#) and [pictures](#) from the event are available.

Recommendations and Next Steps

Consequently, initiatives have been taken to build on the ongoing dialogue through an established community of practice. The key objectives are:

- Organize follow-up workshops addressing specific AI applications and ethical frameworks.
- Enhance collaboration between local and international stakeholders to address infrastructure and funding issues

APPENDIX

Organizers

Global Health and Infectious Diseases Research Group (GHID), hosted at KCCR, is a research group of highly motivated researchers from multiple disciplines working together to contribute to answering globally-relevant research questions applying scientifically rigorous and innovative methods. GHID's goal is to provide knowledge through high quality research which will benefit the global health community by improving the clinical management, control and prevention of infectious diseases, the quality of health service delivery, and ultimately health systems and health outcomes.



Organizers



The Global Health Network (TGHN) is an initiative that aims to improve health research worldwide, especially in regions where evidence and resources are limited. Its main goals are to embed research where it is most needed by supporting, training, and guiding better and faster studies, and to promote equity in research by openly sharing knowledge, data, and skills across different diseases, regions, organizations, and communities.

TGHN also focuses on building strong local research teams by helping researchers in low-resource settings to lead their own studies and gain recognition and opportunities at an international level.

Funders

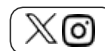
Funders



The Science for Africa (SFA) Foundation is a pan-African, non-profit organization working to strengthen science and innovation across Africa. It supports African researchers and helps build strong research systems to solve problems affecting the continent. SFA runs many programmes in areas like health, climate, agriculture, biodiversity, mental health, and public engagement. It helps African scientists lead research, manage big projects, and connect their work to policy decisions. The foundation funds social science research, especially for early-career researchers and women scientists. SFA has an online system called Agaseke GMS to manage grant applications and reporting. It also works on big projects like genomics research, pandemic preparedness, and innovation for entrepreneurship. Overall, SFA is helping African science grow stronger so that local scientists can solve local and global challenges.



For more information on the
Global Health and Infectious
Disease group visit:



Global Health and
Infectious Disease group
ghidkccr_gh