



Google Cloud



Compendium of June 6th, 2024

Responsible AI Leadership Consortium (RAILC), CLEAR, FiddlerAI, Google Cloud

Overview

The first Responsible AI in Healthcare Dinner Summit, held on June 6th, 2024, at CLEAR HQ in New York City, brought together healthcare leaders, AI experts, scientists, and physicians. Sponsored by the Responsible AI Leadership Consortium (RAILC), CLEAR, Google Cloud, and Fiddler AI, the event aimed to tackle the multifaceted challenges and opportunities of AI in healthcare. The Jeffersonian dinner format facilitated dynamic discussions on practical implications, clinical experiences, and necessary guardrails for safe and effective AI deployment.

Keynote by Dr. Ashley Beecy

[Dr. Ashley Beecy](#) from NewYork-Presbyterian Hospital opened the summit with a keynote on operationalizing responsible AI in healthcare. She emphasized the necessity of a robust governance framework that ensures AI applications are implemented transparently and ethically. Dr. Beecy highlighted the complexities involved in integrating AI into healthcare, noting that responsible AI is not just about compliance but about fostering trust through continuous monitoring and accountability.

Dr. Beecy's comments underscored the importance of establishing clear operational guidelines and ethical standards. The implications of her remarks suggest that healthcare organizations must invest in developing comprehensive AI governance frameworks that prioritize patient safety and data privacy while fostering innovation.

Diverse Perspectives on Responsible AI

[Will Shapiro](#), Chief AI Officer at Flatiron Health, reflected on the difficulty of establishing universal guardrails for AI due to its varied applications and risk profiles. He pointed out that using AI for clinical decision support in a well-resourced hospital is vastly different from deploying it in resource-limited settings, such as rural Africa. In such scenarios, AI might be the best option available despite the inherent risks.

Shapiro's comments highlight the need for context-specific AI policies and frameworks that consider the unique challenges and benefits of AI applications in different settings. The implications are significant: policymakers and healthcare providers must collaborate to create flexible, adaptive regulations that can cater to diverse environments and use cases.

[Mainak Mazumdar](#), CDO at FOX and Chairman of RAILC, emphasized the urgency of proactive risk management in the face of impending regulations. He advocated for balancing innovation with caution, stressing that the healthcare industry cannot afford to be reactive. Mazumdar's insights imply that healthcare organizations should prioritize developing risk management strategies that anticipate and address potential regulatory changes, ensuring that AI implementations are both safe and effective.

Case Studies and Practical Insights

[Benjamin L. Odry](#) from Covera Health shared insights on responsible AI trends in radiology. He discussed the role of AI in enhancing diagnostic accuracy and efficiency, which sparked a lively group discussion. The conversation emphasized the importance of maintaining data integrity and ensuring that AI models are rigorously validated before deployment.

Odry's comments suggest that continuous validation and monitoring of AI models are crucial for maintaining high standards of care. The implications are clear: healthcare providers must invest in robust data management and validation processes to ensure that AI applications deliver accurate and reliable results.

Will Shapiro's discussion on AI data quality in cancer research, moderated by [Krishna Gade](#), CEO of Fiddler AI, highlighted the critical role of high-quality data in developing reliable AI models. Shapiro emphasized that data quality directly impacts the effectiveness and trustworthiness of AI applications in healthcare.

The implications of Shapiro's remarks are significant: healthcare organizations must prioritize data quality management to ensure that AI models are built on accurate, comprehensive datasets. This requires investing in data governance frameworks and fostering a culture of data integrity within the organization.

Ethical and Regulatory Considerations

Kenneth Levy, Chief Regulatory Officer at RAILC, discussed the potential for overreach in AI regulation. He emphasized the need for balanced regulatory approaches that safeguard public safety without stifling innovation. Levy's comments highlighted the risks of overly stringent regulations leading to unintended consequences, such as hindering technological advancements and limiting access to beneficial AI applications.

The implications of Levy's remarks suggest that regulators and policymakers must engage with AI and healthcare experts to develop informed, balanced regulations. This collaborative approach can help ensure that AI regulations protect public interests while allowing for innovation and progress in healthcare.

Human in the Loop Debate

[Dr. Girish Nadkarni](#) from Mount Sinai, raised a critical point about the role of “human in the loop” (HITL) in AI decision-making processes. He argued that in high-stakes scenarios, such as emergency rooms, having humans in the decision-making loop could delay life-saving actions. This sparked a debate on the benefits and drawbacks of HITL in clinical environments.

Nadkarni's comments suggest that while HITL is essential for ethical oversight, it must be carefully managed to avoid hindering critical decision-making processes. The implications are significant: healthcare providers must develop clear guidelines on when and how to involve human oversight in AI-driven decisions, ensuring that it enhances rather than impedes clinical outcomes.

This point can be described as a scenario in an emergency room where AI systems could significantly augment a doctor's decision-making process. However, if human intervention is required at every step, it could potentially delay critical decisions, leading to adverse outcomes. It was highlighted that while HITL is vital for ethical reasons, it is equally important to recognize situations where it might act as a bottleneck.

Insights and Future Directions

[Ariella Nathanson](#) and [Cate Ciccolone](#) from Guidehouse appreciated the diversity of opinions and the engaging format of the event. They suggested more structured questions to guide future discussions, emphasizing the need to delve deeper into practical implementations of AI and the cybersecurity concerns surrounding responsible AI use.

Nathanson and Ciccolone's comments imply that future discussions should focus on actionable insights and real-world applications of AI in healthcare. This could involve sharing best practices, case studies, and strategies for navigating the complexities of AI implementation across different healthcare domains.

[Indy Dhiman](#) from Humana highlighted the importance of understanding emerging AI products and their security implications. He emphasized the need for continuous dialogue and collaboration to address the evolving challenges of AI in healthcare.

Dhiman's remarks suggest that security and privacy considerations must be integral to AI development and deployment processes. The implications are clear: healthcare organizations must prioritize cybersecurity measures and foster ongoing collaboration with AI developers and security experts to ensure the safe and secure use of AI technologies.

Conclusion

A comment from a notable attendee, “the Responsible AI in Healthcare Dinner Summit was a masterclass in dealing with the complex subject that requires innovation, caution, and multidisciplinary collaboration.” It provided a platform for healthcare and AI leaders to share insights, debate critical issues, and explore the future of AI in healthcare. The event underscored the need for a nuanced approach to AI implementation, considering the unique challenges and opportunities; ethics and regulation must be considered while maintaining an open perspective on prior assumptions. The insights shared at this summit will continue the conversation about the future of AI-driven healthcare innovations, fostering a responsible and patient-centric approach to technological advancement.

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- Highlights of the Evening can be found [on the RAILC linkedin page](#).
- [CLEAR in Healthcare](#) - book time here to [reconnect with Olivia](#)
- [Fiddler AI](#)



