



HEALTHINFO Experts Panel

HEALTHINFO 2022

PANEL

**Supporting Emerging Technology
Implementation in Healthcare:
Fresh Approaches to Solution Design**



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Track Chair & Moderator

- Digital healthcare delivery research & evaluation
- Applied social & behavioral science for public health
- Relationship-centered solution design
- The practice of innovation + gathering



SPECIAL INTERESTS:

- Digital health implementation
- Remote patient monitoring
- Provider/Patient Burnout

HITLAB



Panelists

- Shahid Shah, NODE.Health

Digital Health

Deep technical knowledge in digital tool delivery

- Brian Van Winkle, NODE.Health

Strategic Advisor

Deep technical knowledge in digital tool delivery

- Thomas Schmiedel, PhD, W.L. Gore & Associates

Innovations Team R&D

AI/ML assisted tissue health assessment

- Theo Fleck, W.L. Gore & Associates

Emerging Technology Innovation

IoT, AI, XR and distributed ledger to new and existing products

- Lia Wolfe, W.L. Gore & Associates

Emerging Technology Innovation

Identification of new business models and opportunities in emerging technologies



Our PROBLEM

- Implementation of machine learning/artificial intelligence-based tools in healthcare has been slow and uneven
- The complexities of these emerging technologies in practice for healthcare is increasingly evident

Our SOLUTION- FRESH FOOD!

In order to address the technical, clinical, ethical and social challenges to integrating these types of tools into care, we must develop fresh approaches to solution design that are transparent and that acknowledge and account for potential bias.



PURPOSE OF THIS PANEL

The purpose of this panel is to hear from experts (on stage and in the audience!) on their experiences and perspectives as to the nature of these complexities and what strategies to solution design can we incorporate to better account for key challenges.



“In the manual age it was much harder for missteps to take on a life of their own and misrepresent “reality”... AI has momentum and there are unintended consequences.”

What do you find most concerning about data when it comes to impacting health equity, both in terms of in access and outcomes?



“The best solutions are built upon lessons learned from experience.”

Describe a time on which you were involved in the implementation of a machine-learning/AI driven solution and an issue you hadn't anticipated took you by surprise?

What did you do?

What would you have the team do differently in the future?



“I **really dislike the term best practice.”**

Do you think we should have specific “best practices” in AI/ML-based solution development?

If so, what practices or strategies have you heard about or used that you think would benefit from widespread adoption?



**“AI tells you what the data says it means, but it is actually a step before that-
it is the intent.”**

What is/should be the role of governance?

**How do the U.S. and E.U. and other non-U.S. perspectives and experiences
compare and contrast?**



Fresh Approaches to Innovation

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OPEN DISCUSSION