

Health IT Advisory Committee

Meeting Date

Thursday, April 11, 2024
9:30 AM to 3:30 PM ET

Event Location

Virtual and In-Person
Mary E. Switzer Federal Building
ACF Conference Center, Suite 1400 (first floor)
330 C St SW
Washington, DC 20201

Healthcare AI: FAVES Principles in Practice at UC San Diego Health

Christopher Longhurst, MD, MS

Chief Medical Officer & Chief Digital Officer, UC San Diego Health

Professor and Associate Dean, UC San Diego School of Medicine

Executive Director, Joan & Irwin Jacobs Center for Health Innovation

AI Principles at UC San Diego Health

Artificial Intelligence

Our Statement

1. We believe that AI can enhance human health and well-being, and we are committed to developing and deploying AI solutions that are ethical, responsible, and beneficial for patients and society.
2. We respect the dignity, autonomy, and privacy of each patient, and we design and evaluate our AI systems with their needs, preferences, and feedback in mind.
3. We uphold the highest standards of scientific rigor, transparency, and accountability in our AI research and practice, and we adhere to the ethical codes and regulations of our profession and institution.
4. We foster a culture of collaboration, excellence, and innovation among our AI researchers, practitioners, partners, and stakeholders, and we seek to share our knowledge and expertise with the broader community.
5. We embrace the diversity of our patients, staff, and collaborators, and we strive to create an inclusive and supportive environment that values different perspectives, backgrounds, and experiences.



Effectiveness, Responsibility, and Accountability

AI products should be successful for their intended use, beneficial, valid, accurate, and reliable and those who develop and apply tools with responsibility and accountability



Ethics and Inclusiveness

AI products should strive to achieve health equity and fairness by design and operation



Human Factors

AI product design, development, and implementation should involve and prioritize the needs of the diverse population it serves



Promoting Human Well-Being, Safety, Privacy, and Common Good

AI products should protect human well-being, privacy, sustainability, and the environment

Delivering on the Promise of AI to Improve Health Outcomes

DECEMBER 14, 2023



[BRIEFING ROOM](#)

[BLOG](#)

Lael Brainard, National Economic Advisor

Neera Tanden, Domestic Policy Advisor

Arati Prabhakar, Director of the Office of Science and Technology Policy

As President Biden has said, artificial intelligence (AI) holds tremendous

promise far greater than healthcare. The landmark Executive Order on AI states that the federal government is committed to accelerating the development and use of AI to improve health outcomes for Americans

In its blueprint for an AI Bill of Rights, the Biden administration outlined that AI “testing conditions should mirror as closely as possible the conditions in which the AI will be deployed.” The administration has also recommended that AI should be monitored for adverse outcomes on an ongoing basis rather than a single, off-site evaluation.



AI Principles in Action

HEALTH TECH

HIMSS23: Epic taps Microsoft to integrate generative AI into EHRs with Stanford, UC San Diego as early adopters

By Heather Landi • Apr 17, 2023 11:00am

Microsoft Epic generative AI electronic health records (EHRs)



Generated Draft Reply Pioneering Feature

Hello Barbara,

Your CBC with Auto Diff result from 3/7/2023 is within the normal range and does not indicate any cause for concern. Your provider will contact you if any further action is needed. Your results are available for viewing in MyChart, under the "Test Results" tab.

If you have any further questions or concerns, please do not hesitate to contact us.

Best regards,
[Learn more](#)

Did you find the draft reply helpful?
 This was helpful This was not helpful

Dear ██████

Thank you for your message and for taking an active role in your health. It's great to hear that you're considering the Hepatitis A vaccine. Twinrix is indeed a combination vaccine that covers both Hepatitis A and B. However, since you've already had the Hepatitis B vaccine, you may not need the combination.

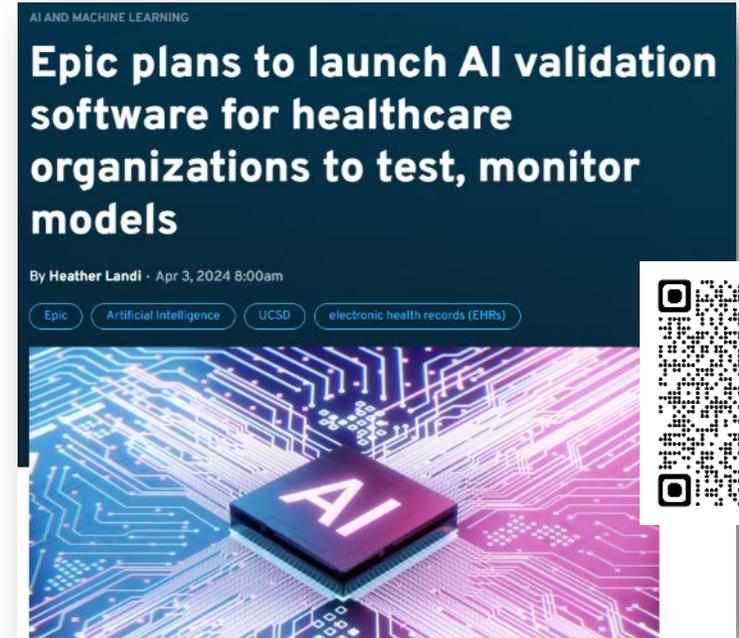
I see you have an upcoming appointment and I recommend reviewing at that appointment. It is a 2 shot series so you can do the 1st shot at the appt if you would like. |

Take care,
Marlene May Millen, MD

Part of this message was generated automatically and was reviewed and edited by Marlene May Millen, MD.

Local Governance Enables Clinical Impact

- All AI-based decision support at UC San Diego Health is reviewed locally prior to implementation and monitored after implementation to ensure outcomes are **fair, appropriate, valid, effective, and safe (FAVES)**
- The Jacobs Center for Health Innovation at UC San Diego is focused on developing and implementing **AI algorithms and workflows that meaningfully impact patient care outcomes**



Study: AI Surveillance Tool Successfully Helps to Predict Sepsis, Saves Lives

Researchers find that utilizing a unique AI algorithm that monitors several patient variables, like vital signs and lab results, can detect sepsis before symptom onset

