

OeHI

Office of eHealth Innovation

eHealth Commission Meeting

HYBRID CONFERENCE

November 13, 2024

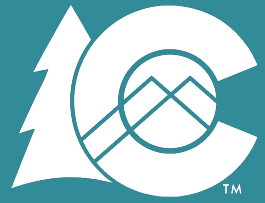
November Agenda



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Title	Start	Duration
Call to Order <ul style="list-style-type: none">Roll Call and IntroductionsApproval of August and October MinutesDecember Agenda and Objectives <i>Rachel Dixon, Vice Chair</i>	12:00	5 mins
Announcements <ul style="list-style-type: none">Welcoming RemarksOeHI Updates-eHealth Commission UpdatesDecision Items & Action Items <i>Stephanie Pugliese, Director, Office of eHealth Innovation (OeHI)</i> <i>All Commissioners and Advisors</i>	12:05	5 mins
Guest Agency: Coalition for Health AI (CHAI) <i>Lucy Orr-Ewing, Chief of Staff and Head of Policy</i> <i>Ed Middleton, 2024-25 U.K. Harkness Fellow; Director of Strategy, Policy and Portfolio Director, Guy's and St Thomas' NHS Foundation Trust</i>	12:10	1 hour
Public Comment Period	1:10	5 mins
eHealth Commission Meeting Closing Remarks <ul style="list-style-type: none">Closing RemarksOpen DiscussionRecap Action ItemsAdjourn Public Meeting <i>Rachel Dixon, Vice Chair</i>	12:50	10 mins



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Coalition for Health AI

Lucy Orr-Ewing, Chief of Staff and Head of Policy



Coalition for Health AI

Wednesday November 13th

Lucy Orr-Ewing, Chief of Staff and Head of Policy for CHAI

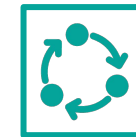
The track record of new technologies in healthcare is one marked by a growing digital divide



Calls for



More inclusive data sets



Systematic training, validation, and deployment of algorithms

Source:



The problems to solve right now

Use cases vary widely

Implementation issues and challenges in post-deployment monitoring

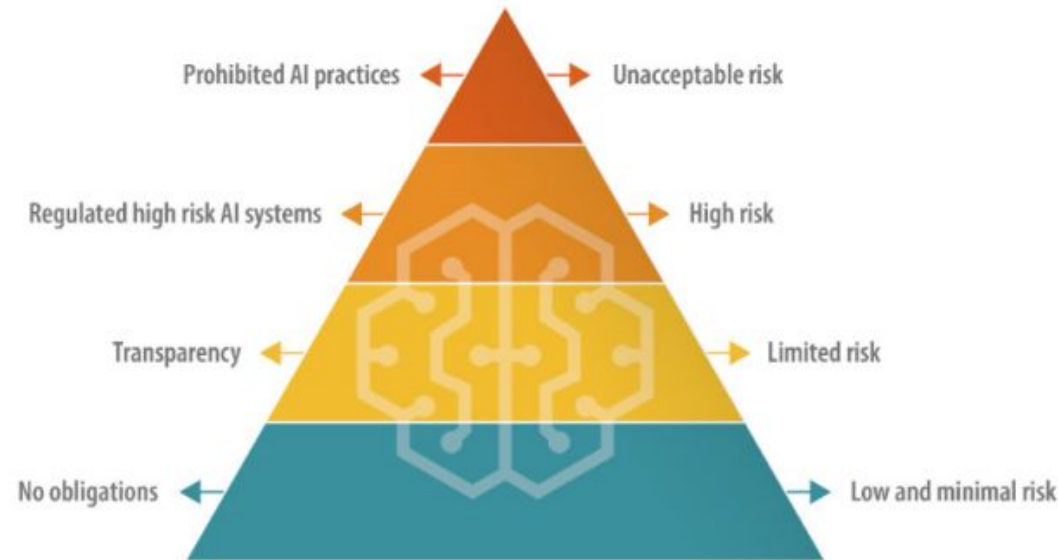
Lack of standardized evaluation methods

Digital Technologies reserved for society 'penthouses'

We believe in **use case-specific guidance**, with an **appropriate risk classification system**

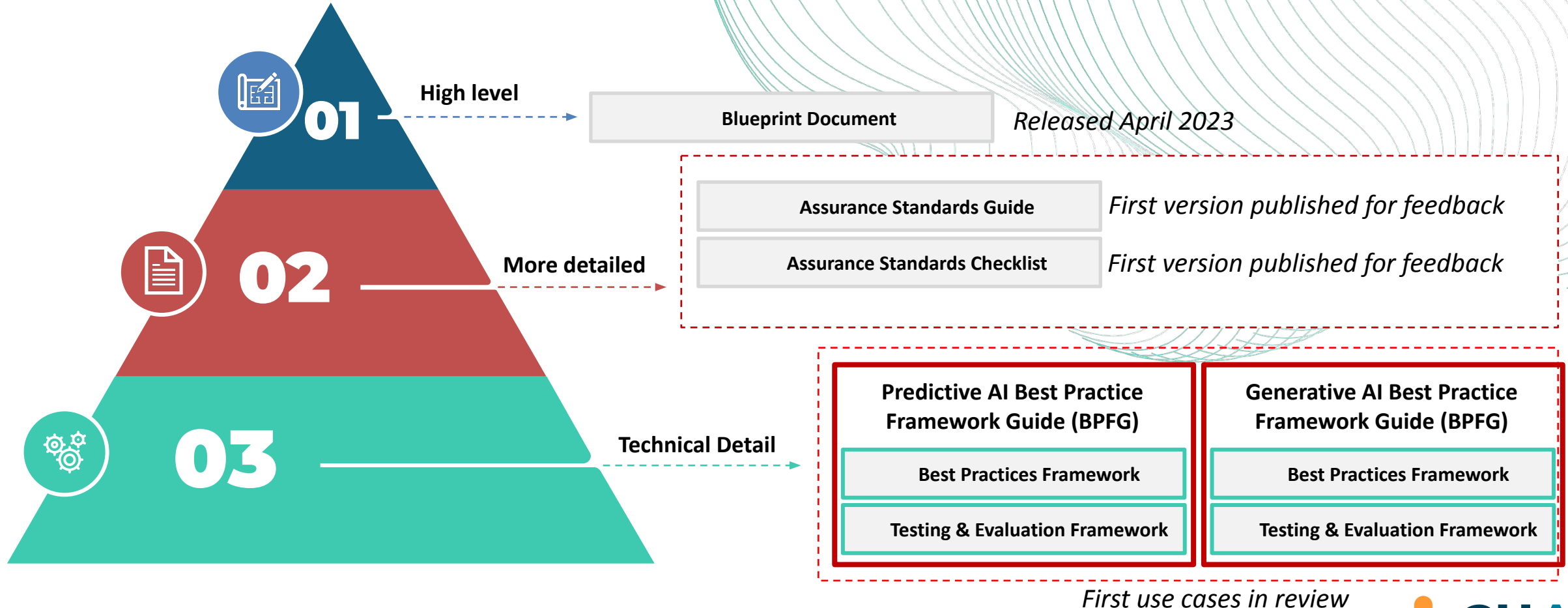
CHAI is developing a Risk Classification System for AI Models in Health

Pyramid of risks



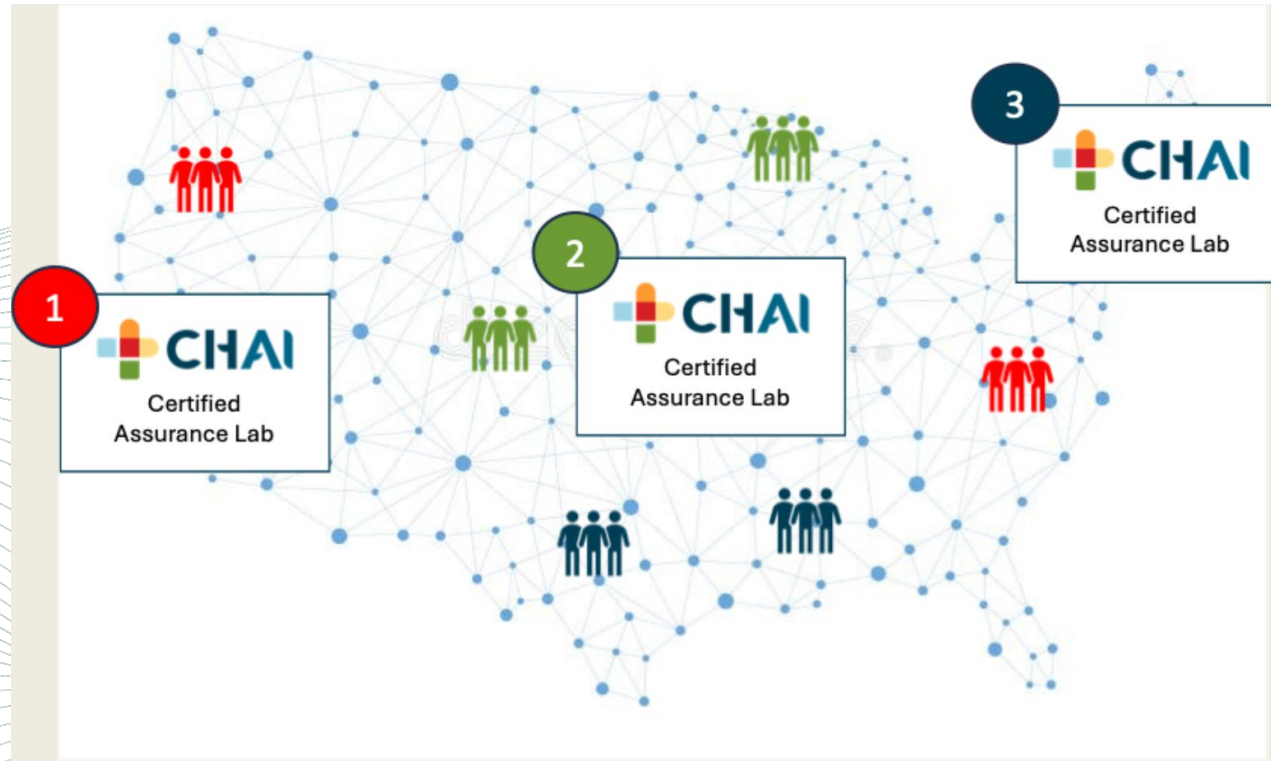
Data source: [European Commission](#).

CHAI's membership are developing technical best practice and evaluation frameworks

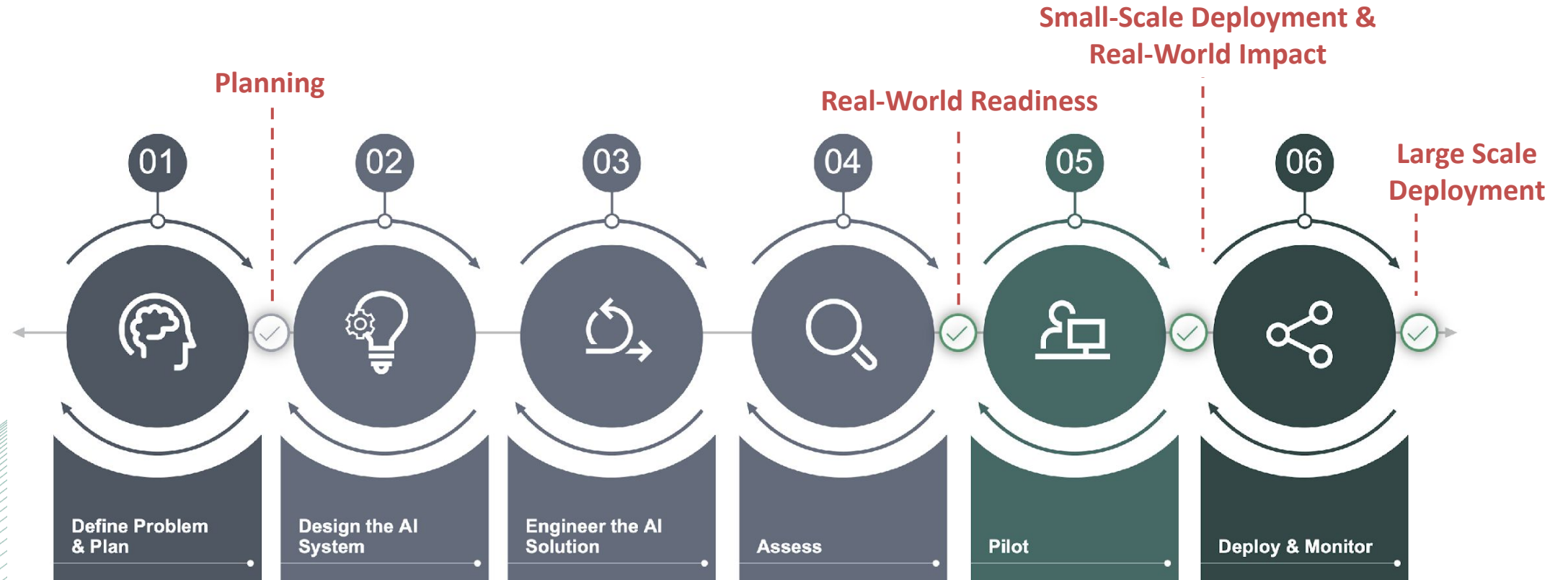


We believe in the democratization of deployment through equitable and adequate testing and evaluation

CHAI is supporting the development of a nationwide network of Quality Assurance Labs with its certification framework



We believe in **external** and **local** validation of models across the AI Lifecycle



CHAI is setting the best practice frameworks for AI safety and reliability in Health

CHAI, the Coalition for Health AI, is committed to setting the best practice frameworks for the trustworthy and responsible implementation of AI in health.

By bringing together a coalition of patient-community advocates, technology companies start-ups, public sector organizations, medical device manufacturers, payors and healthcare organizations, we will develop a consensus set of frameworks for Responsible Health AI.

We believe in **greater transparency** to elucidate model performance *and* workflow integration

Model Card - Title

Model Details

- Developers
- Model Date, Version & Type
- Training algorithms
- Resources, Citation, License

Evaluation Data

- Details on data used for quantitative analysis
- Datasets, Motivation, Preprocessing

Training Data

- Same detail as evaluation data if possible (privacy constraints)
- Details of distribution over factors

Intended Use

- Primary intended uses & users
- Out of scope use cases

Factors

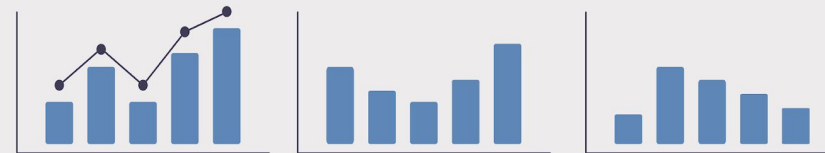
- Groups, Environments, Instrumentation
- Relevant factors & evaluation factors

Metrics

- Model performance measures
- Decision thresholds
- Variation approaches

Quantitative Analysis

Unitary & intersectional results



Ethical Considerations

- Bias, fairness, ethical considerations
- Mitigation efforts

Caveats, Recommendations

- Concerns not already covered
- Usage information
- Limitations, risks, trade-offs

CHAI's Applied Model Card

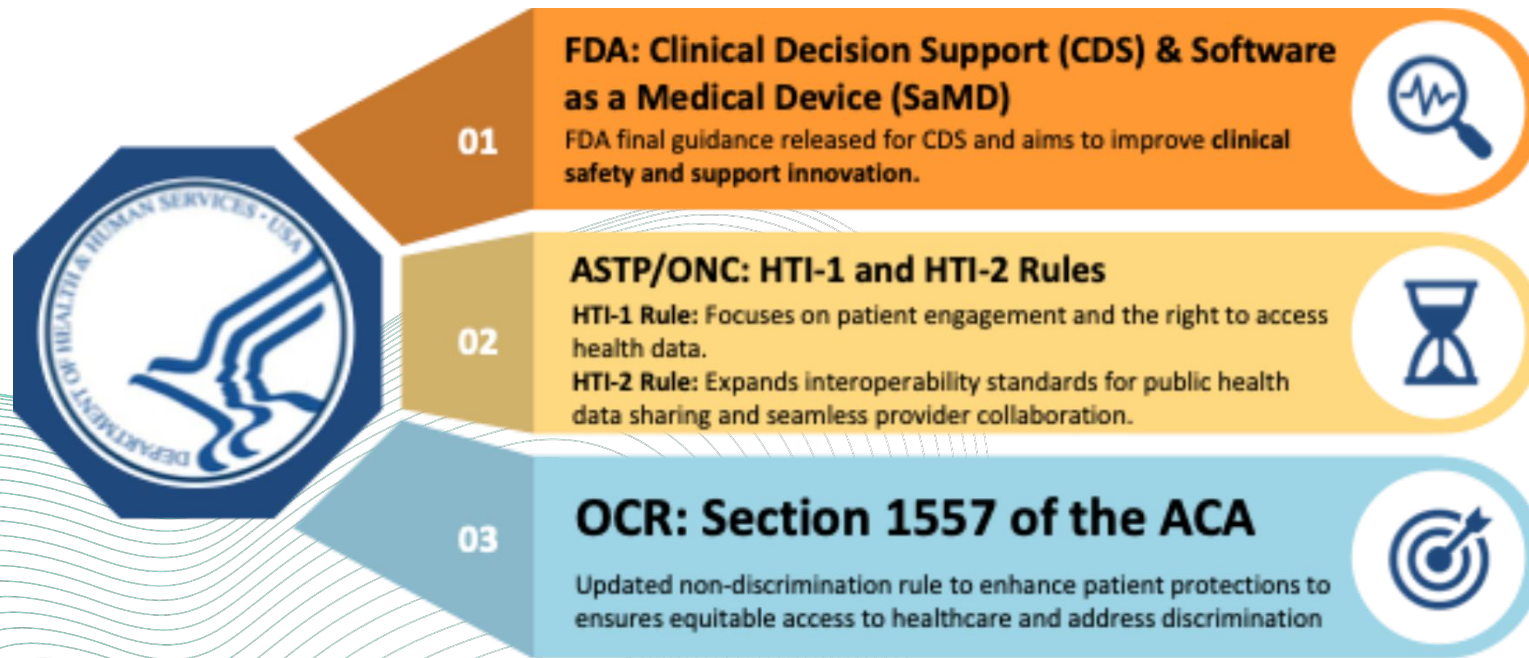
- Usefulness, Usability, Efficacy
- Fairness, Equity, and Bias Management
- Safety
- Privacy and Security
- Transparency, Intelligibility, and Accountability

CHAI Applied Model Card		Name:	Developer:		
Release Stage:		Release Date:	Version: Model / Software		
Global Availability:					
Inquires or to report an issue: abc@abc.com or +1 (999) 999- 9999					
Summary:					
Uses and Directions:					
<ul style="list-style-type: none"> • Intended use and workflow: • Primary intended users: • How to use: • Targeted patient population: • Cautioned out-of-scope settings and use cases: 					
AI System Facts:					
<ul style="list-style-type: none"> • Outcome(s) and output(s): • Model type: • Foundation models used in application, if applicable: • Input data source: • Output/Input data type: • Development data characterization: • Bias mitigation approaches: • Ongoing Maintenance: • Security and compliance environment practices or accreditations, if applicable: 					
Warnings:					
<ul style="list-style-type: none"> • Known risks and limitations: • Known biases or ethical considerations: • Clinical risk level: 					
Key Metrics:					
Metric Type	Results	Interpretation	Test Type <small>(Internal, External, local, Prospective)</small>	Testing Data Description	Validation Process & Justification
Usefulness				<i>Links to a Dataset Description</i>	<i>Links to a method description & justification of approach</i>
Equity					
Safety & Efficacy					
...					
Other information:					
<ul style="list-style-type: none"> • Funding source of the technical implementation: • 3rd Party Information, If Applicable: • Evaluation References, If Available: • Clinical Trial, If Available: • Peer Reviewed Publication(s): • Reimbursement status, if applicable: • Patient consent or disclosure required or suggested: • Stakeholders consulted during design of intervention (patients, providers, etc): 					

Learn more about CHAI's Applied Model Card here:
<https://chai.org/chai-advances-assurance-lab-certification-and-nutrition-label-for-health-ai/>



Recent regulatory changes underscore the shift toward patient-centered care, interoperability, and non-discrimination in health technology



Artificial intelligence assurance labs are coming, HHS chief AI officer says

The private sector will play a role, but Micky Tripathi isn't endorsing any particular plan.

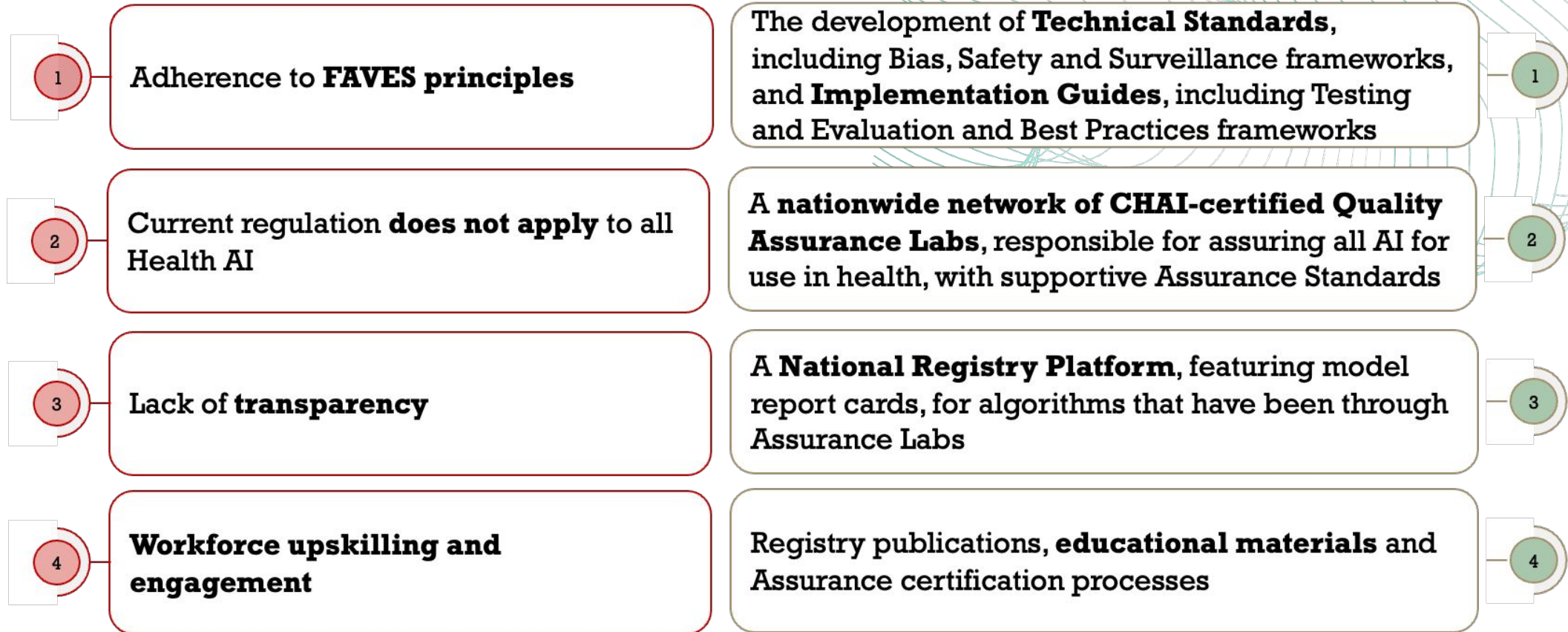
BY: ERIN SCHUMAKER | 09/18/2024 11:00 AM EDT | UPDATED 09/18/2024 06:08 PM EDT



We are using consensus to develop the gold-standard for trustworthy and Responsible Health AI that serves all

Need

CHAI's Proposed Solution



CHAI is bringing together a diverse community of creators, users and beneficiaries to develop consensus-driven products

3800 members of CHAI



Professional Associations and patient advocacy groups: We have over 100 organizations ensuring our work remains patient-centric, such as the College of American Pathologists, National Council for Mental Wellbeing and the National Health Council.



Health Systems: We have more than 200 health system members in our community, including MedStar Health, Mercy, and Providence, as well as leading academic medical centers such as Duke Health, Mayo Clinic, and Stanford Medicine.



Technology vendors: Nearly half of our membership are startups, including Abridge, Ambience Healthcare, Innovaccer, and Suki. We also have representation from Big Tech, such as Amazon, Microsoft and Google, as well as OpenAI.



Healthcare Industry and payers: We're thankful to have membership from leaders in the health industry and insurer market, from CVS and UnitedHealth Group to OCHIN and Solventum.



Federal and state government: We are fortunate to work with federal agencies, including FDA, ONC and OCR, who feed into the development of our best practice guidance.

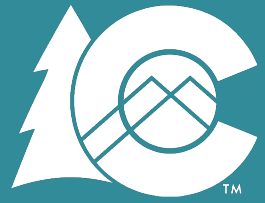


Philanthropic Agency staff and Researchers: Representatives from foundations and research institutions with a track record of funding healthcare AI initiatives, such as The Scan Foundation and Patrick J McGovern.

We need:

- **Direction and input from our members**
- **Feedback and engagement on our products**

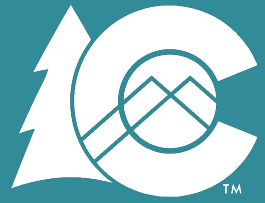
Get involved at www.chai.org



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PUBLIC COMMENT PERIOD



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CLOSING REMARKS