ASTP Assistant Secretary for Technology Policy

EHIgnite Challenge

Challenge Orientation Webinar

March 11, 2026
2:00 PM EST

Today's Speakers

- **Adam Wong**, ASTP/ONC
- **Priscilla Owusu-Mensah**, ASTP/ONC
- **Oliver Gerland**, Ensemble Government Services

Today’s Agenda

1. Background
2. Challenge Goals
3. Prize Structure
4. Submission Requirements
5. Judging
6. Timeline
7. Eligibility and Participation Rules
8. How to Register and Submit
9. Q&A

What Are EHI Exports?

- Electronic health information (EHI) is, primarily:
  - Individually identifiable health information maintained in or transmitted by electronic media; and
  - Information contained in (a) medical or billing records; (b) enrollment, payment, claims adjudication, and case or medical management record systems; or (c) records used to make decisions about individuals.

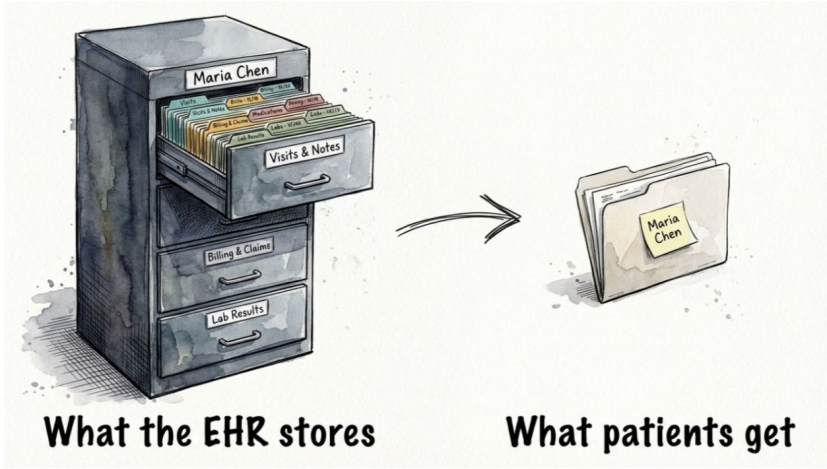
- Since the end of 2023, ASTP certification criteria have required developers to provide EHI export functionality, supporting single patient EHI export and full patient population EHI export.

- EHI exports must be in an electronic and computable format, but do not mandate specific data standards or transport methods.

- https://healthit.gov/blog/insights-updates/getting-ready-for-ehi-export-a-quick-guide/
- https://healthit.gov/information-blocking/understanding-electronic-health-information-ehi/

What's the Issue?

- EHI exports have not seen the uptake and advancement anticipated, representing untapped potential to help patients.
- Exports can overwhelm with information and do not provide necessary context or support.
- Lack of usability has led to lack of adoption.



I Graded 265 EHRs on the "Export Everything" Requirement. (Median grade was D.)

Josh Mandel, MD
Chief Architect for Health @ Microsoft Research

February 17, 2026

https://www.linkedin.com/pulse/i-graded-265-ehrs-export-everything-requirement-d-josh-mandel-md-n0qyc/

Challenge Goals

Incentivize the creation of tools, workflows, and platforms that make Single Patient EHI Exports readable, usable, and actionable.

Encourage use of standards adopted in ASTP's Certification Program, such as FHIR Release 4, FHIR US Core IG v6, and SMART App Launch Framework 2.0.

Interactive Patient Tools (Optional)

Enable patients to ask questions about their health data and receive understandable responses.

Submissions must create a usable, readable summary of relevant health information PLUS an additional scenario

Clinical Domain Customization (Optional)

Build tools that allow customized queries and organization by relevant domains.

Integration Across Settings (Optional)

Allow and enhance integration of exports from multiple places of care.

Streamline Payer Uses (Optional)

Enhance easier and more streamlined sharing of information for insurance coverage.

Participant Defined Use Case (Optional)

Have a better idea? Propose it.

Total Prize Pool of $490,000

Phase 1 – Concept and Design

Prize pool of $90,000

9 Winners

- Up to nine Phase 1 winners will be selected, receiving $10,000 each in seed funding.
- To be eligible to receive a Phase 1 monetary prize, participants must commit to Phase 2 participation.

Phase 2 – Prototype Development

Prize pool of $400,000

3 Overall Winners + AI prize

- 1st Place receives $250,000
- 2nd Place receives $100,000
- 3rd Place receives $30,000
- "Most Innovative Use of AI" receives $20,000

Phase 1 Submission Narrative (Max 10 pg. PDF)

The narrative must include the following sections:

Description of Solution and Problem Addressed:
Describe the solution and how it addresses challenges in Single Patient EHI Exports, including usability, readability, integration, or patient/clinician engagement.

Description of Submitting Individual, Team, or Entity:
Provide background on the submitter(s), relevant experience, and any interdisciplinary or community engagement (e.g., collaboration with clinicians, patients, UX designers, or health IT experts).

Wireframe / Mockups:
Visual elements of your solution including screen views, workflows, and UX/UI assets.

Technical Feasibility and Scalability:
Describe how the solution can be implemented, integrated into workflows, and scaled across multiple EHRs or care settings.

Innovation:
Highlight the novelty of the approach, creative problem-solving, or unique use of technology to make EHI data actionable.

Potential Impact:
Explain how the solution improves usability for patients, clinicians, or care teams, and the potential benefits in real-world settings.

Submission Requirements

Phase 1 (Concept and Design)

A complete Phase 1 package must include:

- Submission Entry Name
- Submission Team/Lead details
- Submission Description (under 1000 characters)
- Submission Narrative* (uploaded as a PDF)

*The Submission Narrative must be written in English, typed in 11-point Calibri font or larger, and cannot exceed 10 pages.

Phase 2 (Prototype Development)

Details on the Phase 2 Submission package will be communicated after Phase 1, but will involve the following elements:

- Working prototype.
- Technical documentation.
- Demonstration video (5–10 minutes).
- Usability test results, if available.
- Optional: evidence of performance with exports
- from multiple EHR systems

Evaluation Criteria

Submissions will be evaluated and ranked by a panel of expert judges on a 100-point scale.

Up to 40 points

Interpretability and Ease of Use

Assesses the novelty of the approach, use of user-centered design, and ease of use for end users.

Up to 25 points

Relevance and Problem Alignment

Evaluates how effectively the solution solves real-world problems and addresses usability challenges in Single Patient EHI Exports.

Up to 20 points

Potential for Integration and Scaling

Reviews the practicality of implementation, scalability, and interoperability across multiple EHR systems.

Up to 15 points

Privacy and Security Compliance

Checks for adherence to HIPAA, privacy laws, and security standards.

Up to 20 points

Bonus Points

(Optional) Best use of transparent and explainable AI

EHI Informational Webinar
Key Dates and Deadlines
Open Submission Window
February 23 to May 13, 2026
Judging
May 19 to June 15, 2026
Winners Announced
June 2026
Development Window
June 2026 to March 2027
Judging
April 2027
Winners Announced
May 2027
Phase 1
Phase 2

Submission Deadline Reminder

Phase 1 Entries must be submitted to the Challenge site by May 13, 2026 11:59 PM PST

ehignitechallenge.org

Eligibility Rules

To be eligible to win a prize under this Challenge, a Participant (whether an individual, team, or entity)

a. Shall have registered to participate in the Challenge as an individual, team, or entity under the rules and instructions promulgated by HHS as published in this announcement, including but not limited to, the “Prize Payment Rules” and the “How to Enter” section of this announcement.
b. Shall have complied with all the requirements set forth in this announcement;
c. In the case of a private entity, shall be incorporated in and maintain a primary place of business in the United States, and in the case of an individual, whether participating singly or in a group (team), shall be a citizen or permanent resident of the United States;
d. Shall not be a Federal entity or Federal employee acting within the scope of their employment;

e. Shall not be an employee of the Department of Health and Human Services (HHS, or any other component of HHS) acting in their personal capacity;

f. Who is employed by a Federal agency or entity other than HHS (or any component of HHS), shall consult with an agency Ethics Official to determine whether the Federal ethics rules will limit or prohibit the acceptance of a prize under this Challenge;

g. Shall not be a judge of the Challenge, or any other party involved with the design, production, execution, or distribution of the Challenge or the immediate family of such a party (i.e., spouse, parent, step-parent, child, or step-child).

h. Shall be 18 years of age or older at the time of submission.

Participation Rules

Who Can Participate?

1. Participants (whether individuals, teams, or entities) may not use Federal funds from a grant award or cooperative agreement to develop their Challenge submissions or to fund efforts in support of their Challenge submissions.
2. Federal contractors may not use Federal funds from a contract to develop Challenge submissions or to fund efforts in support of Challenge submissions. Costs associated with such activities are unallowable and are not allocable to Government contracts.
3. By participating in this Challenge, each Participant (whether an individual, team, or entity) agrees to assume any and all risks and waive claims against the Federal government and its related entities, except in the case of willful misconduct, for any injury, death, damage, or loss of property, revenue, or profits, whether direct, indirect, or consequential, arising from participation in this Challenge, whether the injury, death, damage, or loss arises through negligence or otherwise.
4. Based on the subject matter of the Challenge, the type of work that it will possibly require, as well as an analysis of the likelihood of any claims for death, bodily injury, property damage, or loss potentially resulting from Challenge participation, no Participant (whether an individual, team, or entity) participating in the Challenge is required to obtain liability insurance, or demonstrate financial responsibility, or agree to indemnify the Federal government against third party claims for damages arising from or related to Challenge activities in order to participate in this Challenge.
5. A Participant (whether an individual, team, or entity) shall not be deemed ineligible because the Participant used Federal facilities or consulted with Federal employees during the Challenge if the facilities and employees are made available to all Participants participating in the Challenge on an equitable basis.

Participation Rules Continued

6. By participating in this Challenge, each Participant (whether an individual, team, or entity) warrants that they are the sole author or owner of, or has the right to use, any copyrightable works that the submission comprises, that the works are wholly original with the Participant (or is an improved version of an existing work that the Participant has sufficient rights to use and improve), and that the submission does not infringe any copyright or any other rights of any third party of which the Participant is aware.
7. By participating in this Challenge, each Participant (whether an individual, team, or entity) grants to HHS an irrevocable, paid-up, royalty-free non exclusive worldwide license to reproduce, publish, post, link to, share, and display publicly the submission on the web or elsewhere, and a nonexclusive, non transferable, irrevocable, paid-up license to practice, or have practiced for or on its behalf, the solution throughout the world. Each Participant will retain all other intellectual property rights in their submissions, as applicable. By participating in this Challenge, each Participant warrants that there are no legal obstacles to providing the above-referenced nonexclusive licenses of the Participant's rights to the Federal government. To receive an award, Participants will not be required to transfer their intellectual property rights to HHS, but Participants must grant to the Federal government the nonexclusive licenses recited herein.
8. Each Participant (whether an individual, team, or entity) agrees to follow all applicable Federal, state, and local laws, regulations, and policies.
9. Each Participant (whether an individual, team, or entity) participating in this Challenge must comply with all rules and requirements included in this announcement, and participation in this Challenge constitutes each Participant's full and unconditional agreement to abide by the rules and requirements. Winning is contingent upon fulfilling all requirements herein.
10. As a condition for receiving a cash prize in this Challenge, each Participant (whether an individual, team, or entity) that has been selected as a winner must complete and submit all required winner verification and payment documents to HHS. Failure to return all required verification and payment documents by the date specified in the formal winner notification may be a basis for disqualification of a cash prize winning submission.
11. By participating in this Challenge, each Participant (whether an individual, team, or entity) agrees that HHS may disqualify its submission if, in HHS' judgment, the submission is inconsistent with HHS' public health mission, may be ineffective or harmful, or any other reason deemed necessary.

HHS reserves the right, in its sole discretion, to (a) cancel, suspend, or modify the Challenge, or any part of it, for any reason, and/or (b) not award any prizes if no submissions are deemed worthy.

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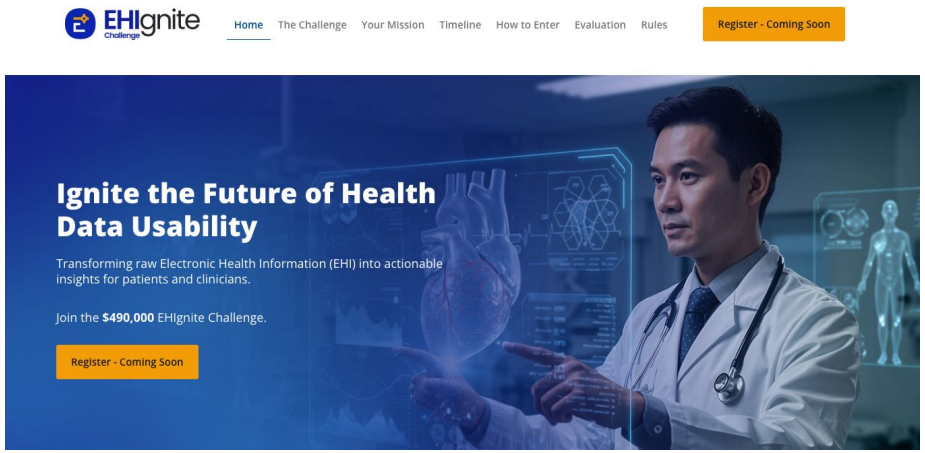
Register for the Challenge!

Visit ehignitechallenge.org and complete the Registration Form.



After registering, you will receive an account activation email.

Click the Activation link to create your account.

Visit ehignitechallenge.org and complete the Registration Form.

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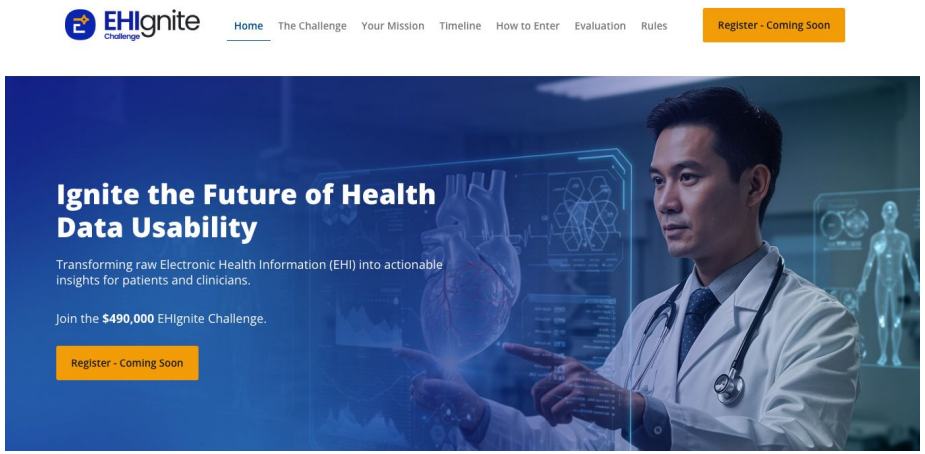
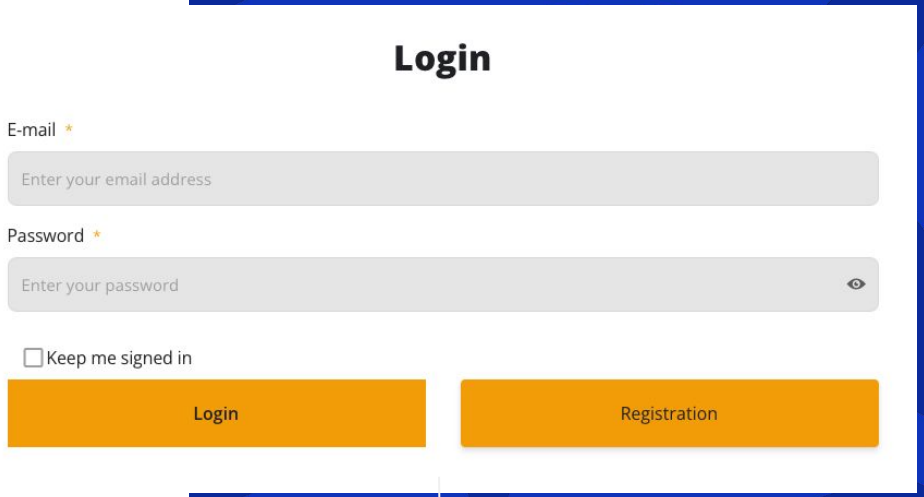
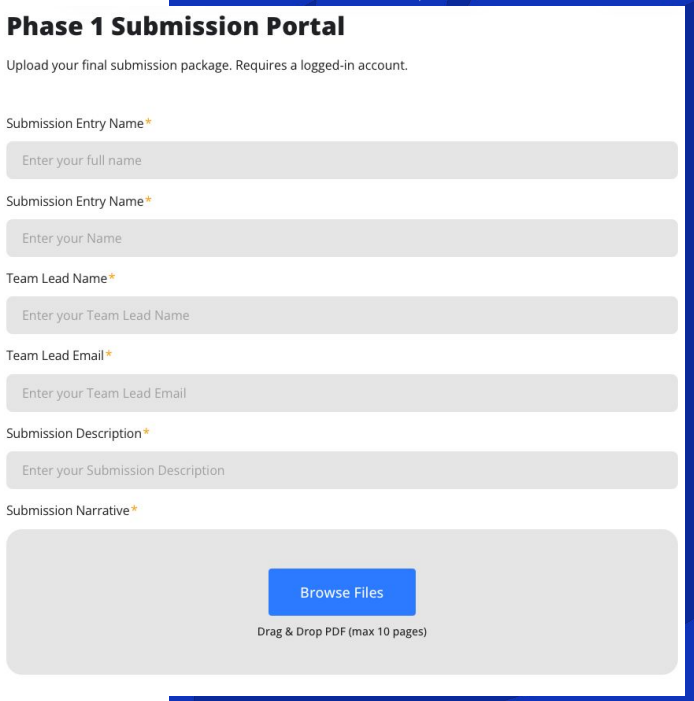
Submit by May 13th!

Login into your account to access the submission form.







Q&A

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Reach out and register

ehignitechallenge@ensembleconsultancy.com

ehignitechallenge.org

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