

Guidance and plans for AI at NICE

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26 February 2026

NICE National Institute for
Health and Care Excellence®



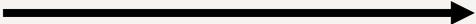
Guidance

Current guidance



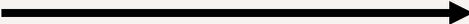
**Statement
of Intent**

Identify areas for
evaluation.



Evaluation

In-house
experimentation; living
systematic reviews;
external consultations.



**Position
Statement**

Evidence-based
updates.

Potential outputs



Methods Manuals

Our methods for health technology assessment.



Position Statement

Preliminary guidance for methods still in development.



Scientific Frameworks

Best practice from existing evidence and novel research.



Technical Support Documents

Detailed, technical guidance for hands-on analysts.



You tell us!

What do **you** need to navigate AI?

HTA Lab: The future of HTA with AI



Automation

- Manual to automated processes in guidance production.
- Creating opportunities for more (frequent) assessments.



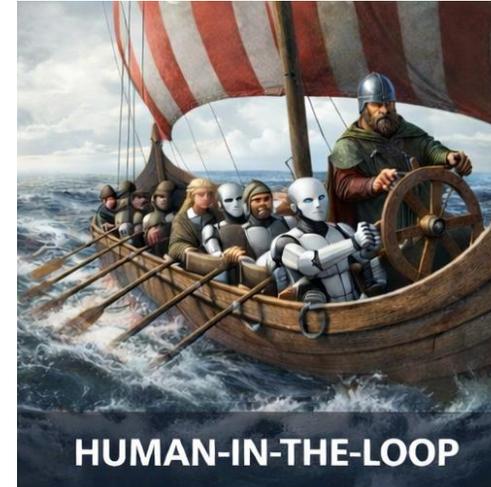
Personalisation

- Predictive analytics.
- From population effects to individualised assessments.

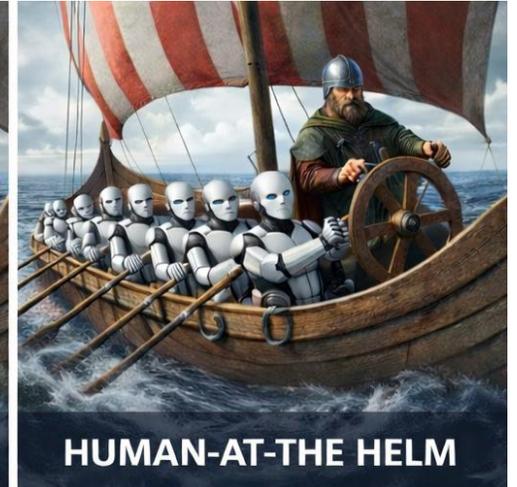


Reasoning

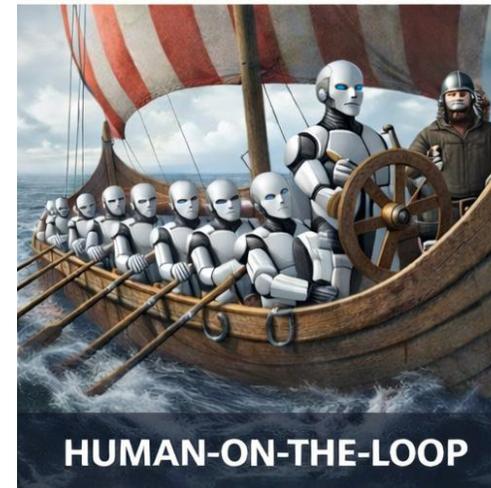
- Ensemble models that can represent multiple perspectives. E.g., committee simulation modelling.
- Multi-step agentic models trusted to perform without human intervention. E.g., end-to-end systematic literature review.



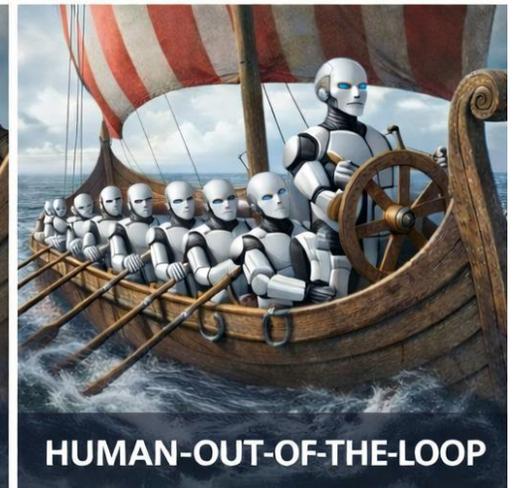
HUMAN-IN-THE-LOOP



HUMAN-AT-THE HELM



HUMAN-ON-THE-LOOP



HUMAN-OUT-OF-THE-LOOP

Evaluation

Some AI tools approved by NICE

1

May 2024 (CT scans, HTG708): Three technologies conditionally approved to support review and reporting of CT brain scans for people who have had a suspected stroke.

2

May 2025 (Triaging skin lesions, HTG746): DERM conditionally recommended as an option to assess and triage skin lesions referred to the urgent suspect skin cancer pathway.

3

Nov 2025 (Polyp detection, GID-DG10118): Five technologies conditionally approved that 'watch' live camera feeds during colonoscopies and alert doctors if polyps have potentially been spotted.

AI-based technologies

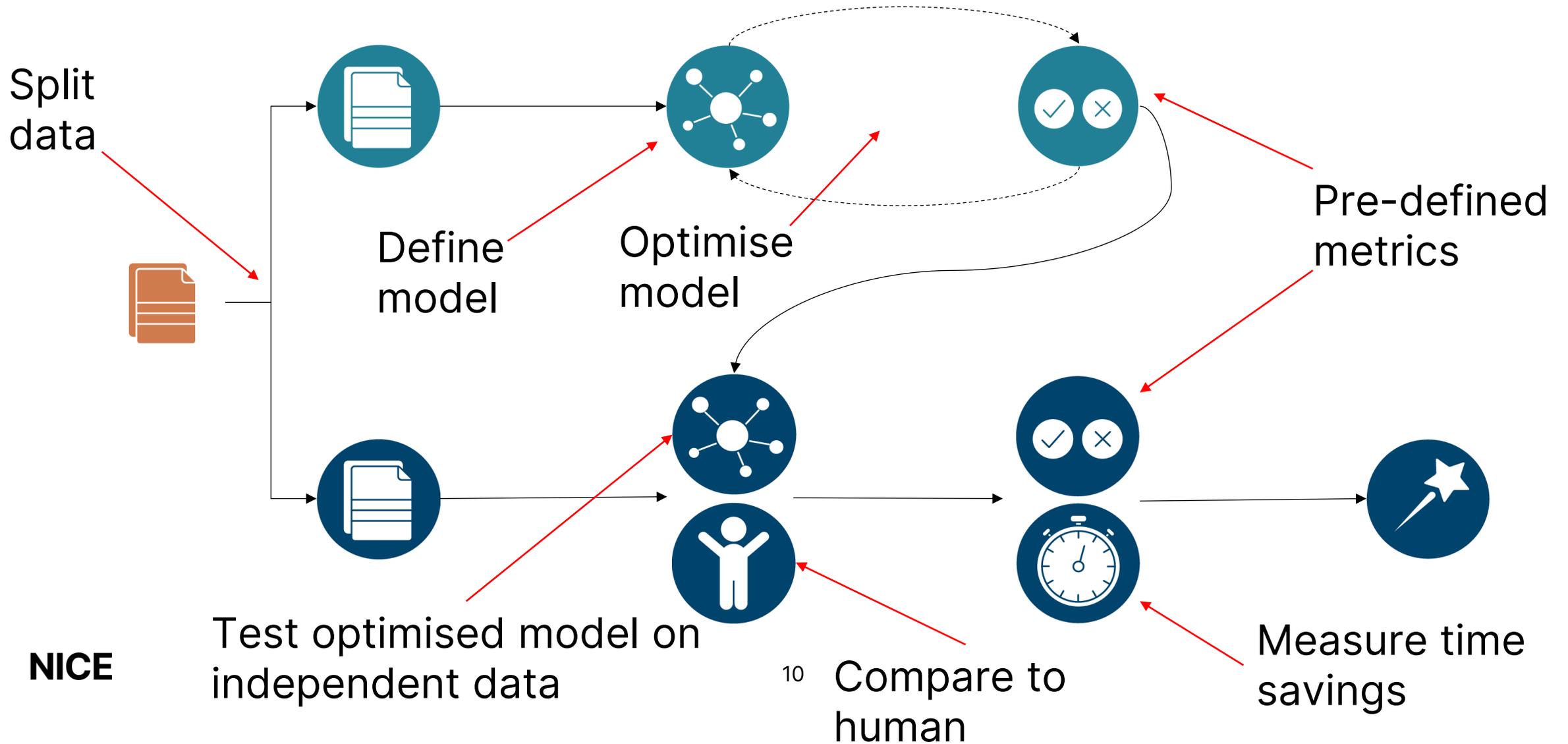


NICE

The image is a screenshot of the GOV.UK website. At the top, there is a blue header with the GOV.UK logo. Below the header, a navigation link for "Home" is visible. The main heading is "National Commission into the Regulation of AI in Healthcare". A paragraph of text describes the commission as an expert, non-statutory advisory body established by the MHRA. Below this, there is a "Contents" section with a list of links: Purpose of the National AI Commission, Engagement programme, Working groups, Publications and news, Communications from members, Membership, Members of National Commission on the Regulation of AI in Healthcare, Meetings: summary minutes, and Contact details.

Use

Experiment process



Assessing use cases



Impact

- Efficiency
- Strategic alignment



Readiness

- Technical maturity
- System willingness



Prevalence

- Task frequency
- Team reach
- Individual reach



Risk

- Compliance
- Operational
- Reputational

Some considerations

- Data privacy
- Commitment to responsible AI
- Transparency
- Licensing and copyright
- Environmental impact



Thank you.

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