



AUTOMATED VALIDATION

Ferrum uses GPT AI to validate 3rd party AI tools on your entire population without burdening your clinicians

Ensure seamless integration of AI tools without the hassle. Trust in Ferrum's automated validation to save your clinicians time, by validating AI algorithms across over 10,000 of your own patients to ensure unbiased performance.

OVER 80% OF AI APPS UNDERPERFORM THEIR FDA CLEARANCE

Most clinicians turn to FDA clearance or peer reviewed journals to determine how trustworthy the AI algorithms they plan to use are. However, the vast majority of studies and FDA clearances are on patient populations that defer significantly from the populations they are being sold to.

Ferrum provides automated validation of your local patient data, ensuring our algorithms are fine-tuned to your clinicians' and patients' needs. We guarantee performance you can trust by piloting over 10,000 notes from your clinicians through our algorithms as if in a live environment.

A Johns Hopkins study explains that:

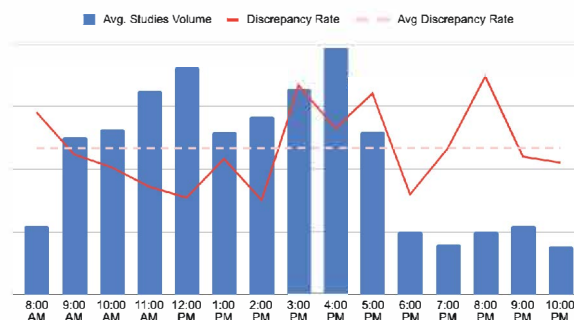
"In this systematic review of external validation of DL for radiologic diagnosis, we found that 81% of studies demonstrated at least some diminished performance in external datasets, with nearly half (49%) of studies reporting at least a modest diminution and nearly a quarter (24%) showing a substantial diminution."

ELIMINATE RADIOLOGIST MANUAL LABELING

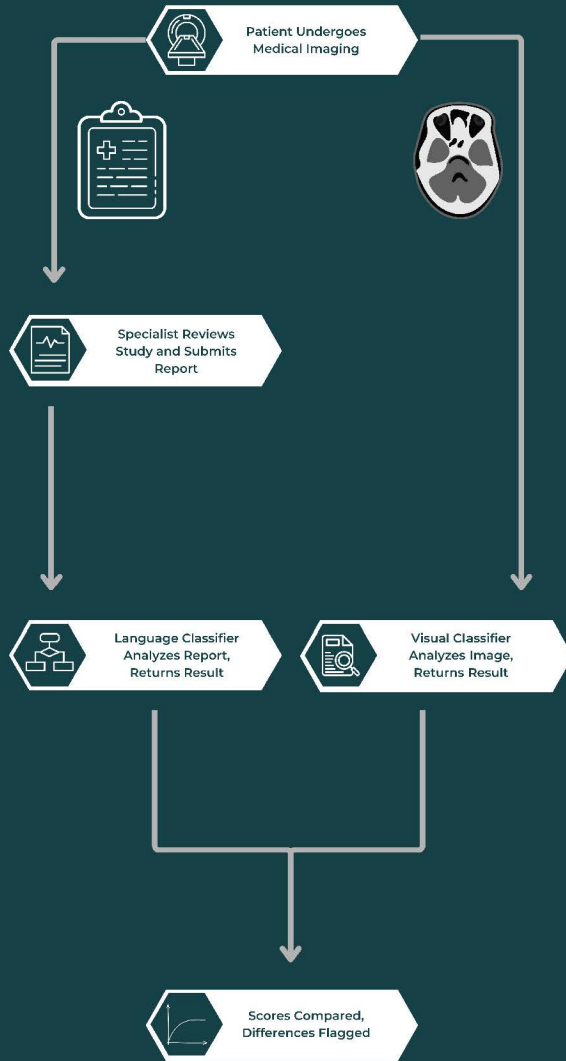
By using GPT powered language models to compare the output of AI tools to the signed radiologist reports at population scale, Ferrum's validation process alleviates the burden on clinicians by automating the AI application validation that currently demands significant time from junior staff, residents, and data analysts.

This automation circumvents the need for the exhaustive manual data sifting that consumes hundreds of hours of your team's time.

Discrepancy rate by time of day (XR Fracture)




HOW CONTINUOUS VALIDATION WORKS:



PATIENT LEVEL PRECISION, POPULATION LEVEL SCALE

Even with the time and effort your clinicians and their team gave to validate these AI algorithms, the pool of patients is limited. This brings the possibility of AI blind spots and bias going unnoticed despite your best efforts.

Relying on regulatory clearance isn't enough and will burden your clinical teams and slow the adoption of AI.

 = 100 patients



With manual validation, you can only validate so many patients



With automated validation, you operate at scale with over 10,000 patients

FERRUM'S AUTOMATED VALIDATION

Ferrum automatically validates the AI algorithms on your local patient population, providing clinicians with the clinical clarity they need to adopt any AI solutions Ferrum offers.









Ferrum's automated validation happens by:

- 1 Specialist Reviews Study and Submits Report**
 No impact to radiologists workflow.
- 2 Language and Visual Classifier Analyzes Report, Returns Result**
 Ferrum's Chat GPT language classifiers automatically and immediately process the results.
- 3 Scores are Compared and the Differences are Flagged**
 Handled by Ferrum's group of in-house radiologists.

These results improve patient care and open doors to evaluating more AI applications while minimizing the validation burden on your staff. The perfect storm to feel confident about the performance of your AI application.

BETTER INSIGHTS FOR YOUR PATIENTS WITH FERRUM

Ferrum Health validates on your patient data, allowing a more diverse group of patients to receive the care they need from our AI. Ferrum delivers more insights on:

-  Facility
-  Zip Code
-  Indication
-  Patient Race and Ethnicity
-  Patient Age
-  Algorithm Version
-  Scanner Type
-  Slice Thickness

ABOUT US

Ferrum Health is the reference architecture for healthcare AI platforms. Ferrum offers a whiteglove, full-service solution to get any health system started with AI faster.