

Multi-Institutional Validation of AI Metrics

A recently completed multi-institutional comparative effectiveness study¹ including 24 independent radiologists and 20 independent oncologic providers compared the AI Metrics Platform to current manual methods, including manual tumor measurements and dictated text reports (Figure 1). AI Metrics increased reporting accuracy by 25%, reduced errors by 99%, cut interpretation time in half, increased inter-observer agreement among oncologists by 58% and among radiologists by 45%, and was preferred by 96% of radiologists and 100% of oncologists compared to current practice with manual image assessments and text reports. In a study² of the beta version of the AIM Platform (called eMASS; included guided workflows and annotation tools, but no AI algorithms), eMASS reduced errors and time of evaluation was twice as fast, which indicated better overall effectiveness than standard of care, manual tumor response evaluation methods for three different therapy response criteria.

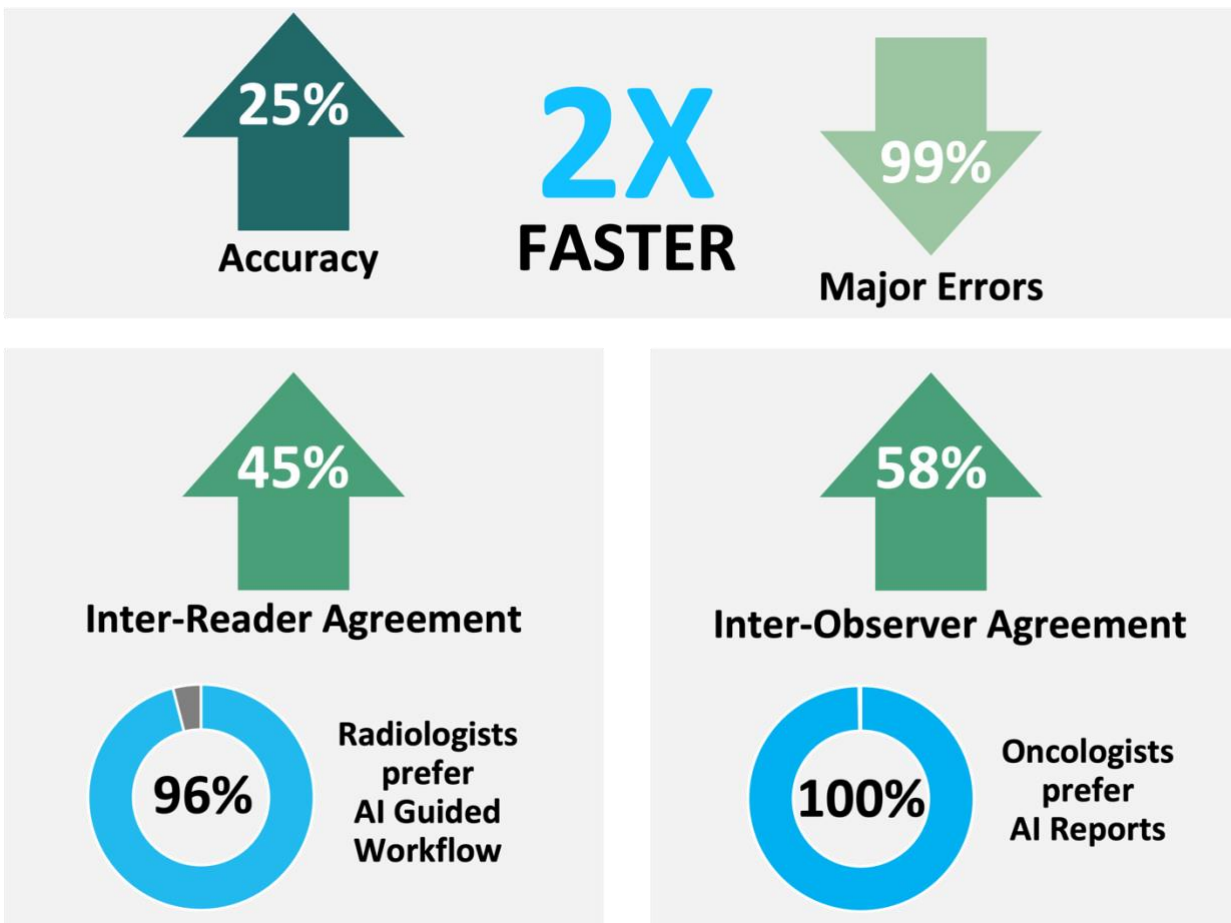


Figure 1. Multi-institutional comparative effectiveness study results.

¹ Presented at ASCO 2020, doi: [10.1200/JCO.2020.38.15_suppl.2010](https://doi.org/10.1200/JCO.2020.38.15_suppl.2010) Journal of Clinical Oncology 38, no. 15_suppl (May 20, 2020) 2010-2010. Manuscript under development.

² Allen BC, Florez E, Sirous R, et al. Comparative Effectiveness of Tumor Response Assessment Methods: Standard of Care Versus Computer-Assisted Response Evaluation. JCO Clin Cancer Inform. 2017;1:1-16. doi:[10.1200/CCLI.17.00026](https://doi.org/10.1200/CCLI.17.00026)