

BACKGROUND

Artificial intelligence (AI) has been increasingly integrated into healthcare settings to enhance various aspects of the patient encounter.

- In Spring of 2024, the University of Vermont Health Network piloted with 50 primary care providers an Ambient AI system which records audio of the encounter and generates a draft clinical note which is then edited

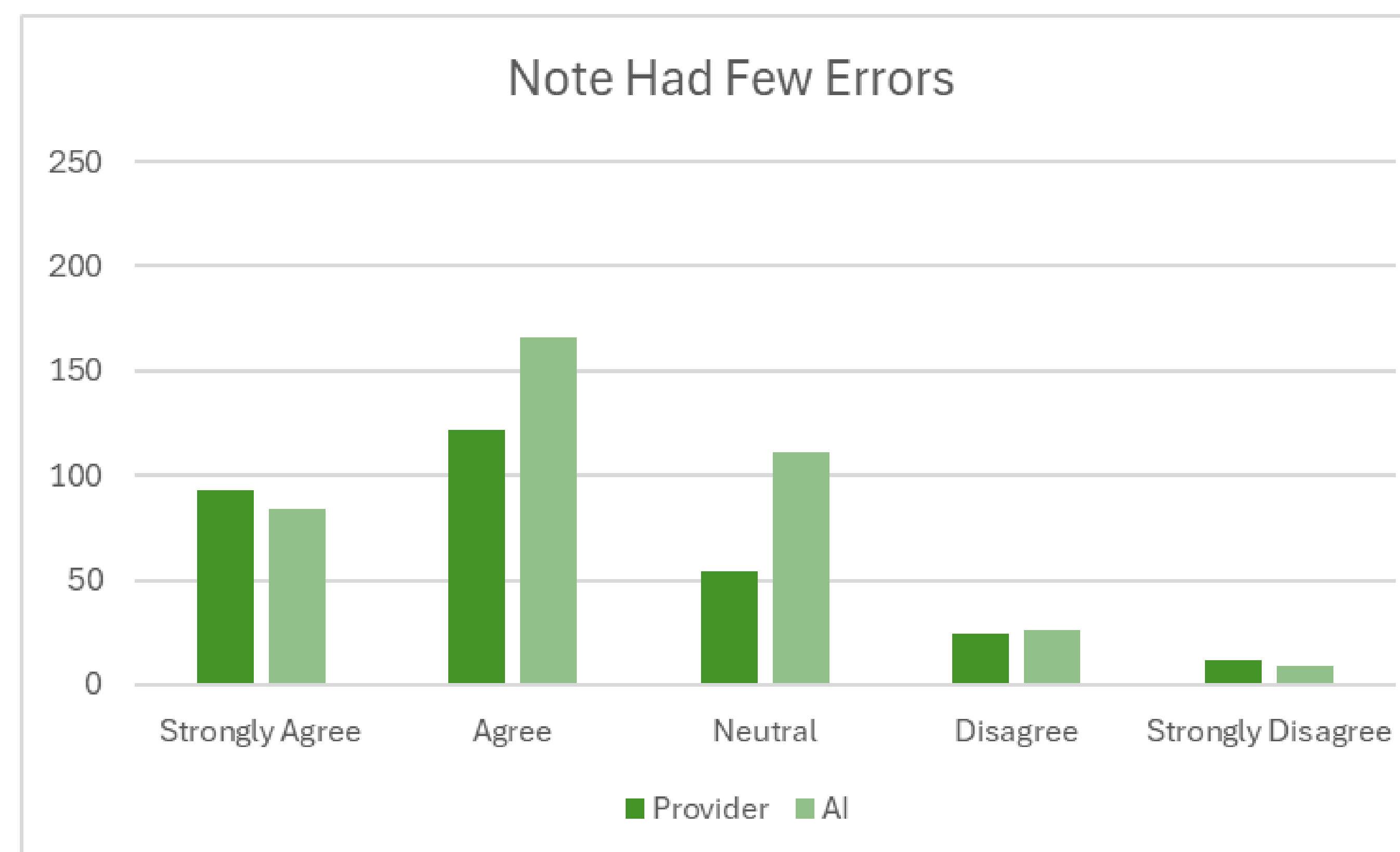
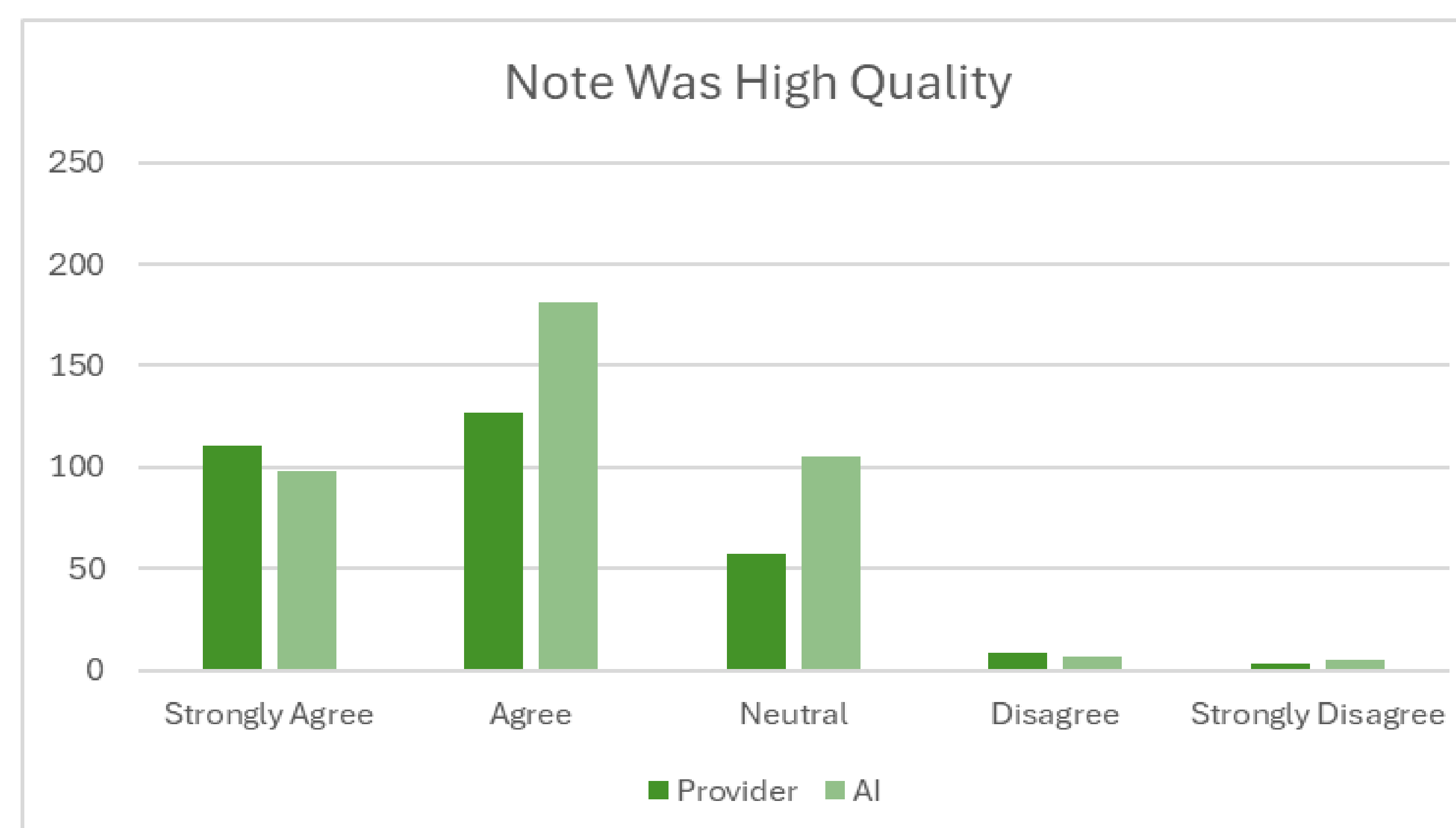
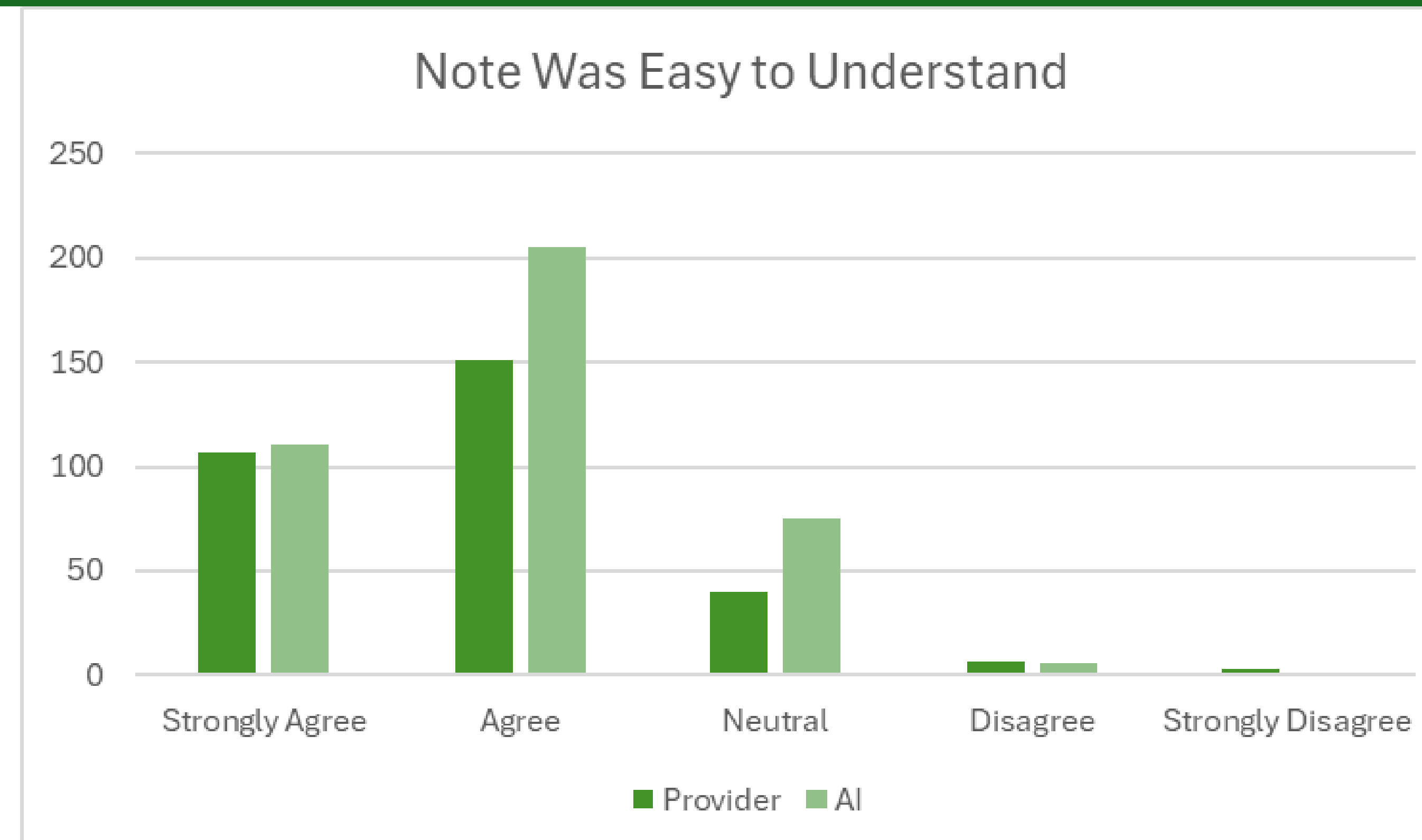
This project aimed to evaluate patient satisfaction with the quality of AI-generated draft notes focusing on **readability** and **comprehensibility**.

METHODS

Using a survey-based method, 12,260 patients who met the specific criteria for seeing a primary care provider who piloted the Ambient AI after the date of April 16, 2024 were contacted. The survey was active from July 25, 2024 to August 2, 2024

- 13 Likert scale questions aimed at evaluating patient experience, note quality, and comfort level.
- 1009 patients out of 12,260 patients answered the survey giving a response rate of 8.2%.
- 9 additional questions aimed at evaluating non-native English-speaking patients' experience
- Only 7 patients with low English proficiency completed the survey giving a response rate of 0.0005%

RESULTS



DISCUSSION

- Patient perspective of notes drafted by artificial intelligence and edited by providers were **not inferior** in understandability.
- Notes drafted by artificial intelligence and edited by a provider had **fewer perceived errors** and were of **high quality** compared to notes written by providers without an AI draft.
- Survey response from patients of non-native English-speaking backgrounds was low, most likely due to barriers in accessing medical records. Patients of low English proficiency backgrounds have lower rates of portal activation.

FUTURE DIRECTIONS

- Continue to monitor AI assisted note quality in a Quality Assurance program.
- Consider focus groups directed at patients with non-native English-speaking backgrounds with the goal of evaluating their perception of AI assisted note quality. Assess benefits and barriers in AI assisted notes use among these populations.

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