

ARTIFICIAL INTELLIGENCE IN GASTROENTEROLOGY: COMPARATIVE PERCEPTION BETWEEN GASTROENTEROLOGISTS AND OTHER PHYSICIANS

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A March 2025 survey of 158 physicians found that gastroenterologists and other specialists differ in how they perceive AI applications in gastroenterology, with gastroenterologists emphasizing educational and diagnostic support while other physicians show greater interest in therapeutic decision-making.

KEY POINTS

- Gastroenterologists were more likely to have used AI for gastroenterology-specific questions (64% vs 41% among other physicians) and were slightly more cautious, with 60% describing AI as useful but with limitations compared to 56% of other physicians.
- Perceived domains of utility differed significantly between groups ($p=0.047$): gastroenterologists most valued continuing medical education (24.5%) and diagnostic support (20.8%), while other physicians emphasized therapeutic decision-making more strongly (13.8% vs 7.5% of gastroenterologists).
- Overall, 96% of all respondents acknowledged AI's potential usefulness in gastroenterology, though no significant difference existed in overall perception between groups ($p=0.77$).
- The authors conclude that successful AI implementation in gastroenterology will require adapting tools to the specific expectations, workflows, and trust levels of each medical discipline.

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