

Exploring Attitudes Toward AI and Omnichannel in Medical Communications



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Background

- Since the launch of ChatGPT at the end of 2022, interest in artificial intelligence (AI) and omnichannel strategies in medical communications has grown exponentially
 - Generative AI is leading a drive to integrate AI into medical communications, including in omnichannel strategies
 - However, concerns over the potential risks for inaccuracy, bias, and security remain
- In 2023, we discussed these topics at a roundtable held at the 19th Annual Meeting of ISMPP, 6 months after the launch of ChatGPT
- In 2024, we have more guidance on AI in medical communications, including the ISMPP position statement and call to action¹
 - However, there remains a need to better characterize and understand how AI and omnichannel can be implemented into medical communications

Objective

- To evaluate the current understanding, application, and future potential of AI and omnichannel among medical publication professionals

Methods

- A 17-question survey was developed to explore respondents' experience, attitudes, and future plans for AI and omnichannel use, including perceived barriers and implementations challenges
- Microsoft Forms - The Microsoft Forms survey was deployed via email, LinkedIn, and ISMPP Connect on January 7, 2024 and responses were extracted on March 18, 2024, and Descriptive statistics are reported

Results

- A total of 87 respondents filled out at least one question, and 86 completed all survey questions (Table 1)
- The vast majority of respondents were from a scientific communication agency, and most had ≥ 10 years of experience (Table 2)

Table 1: 17-Question Survey on AI and Omnichannel

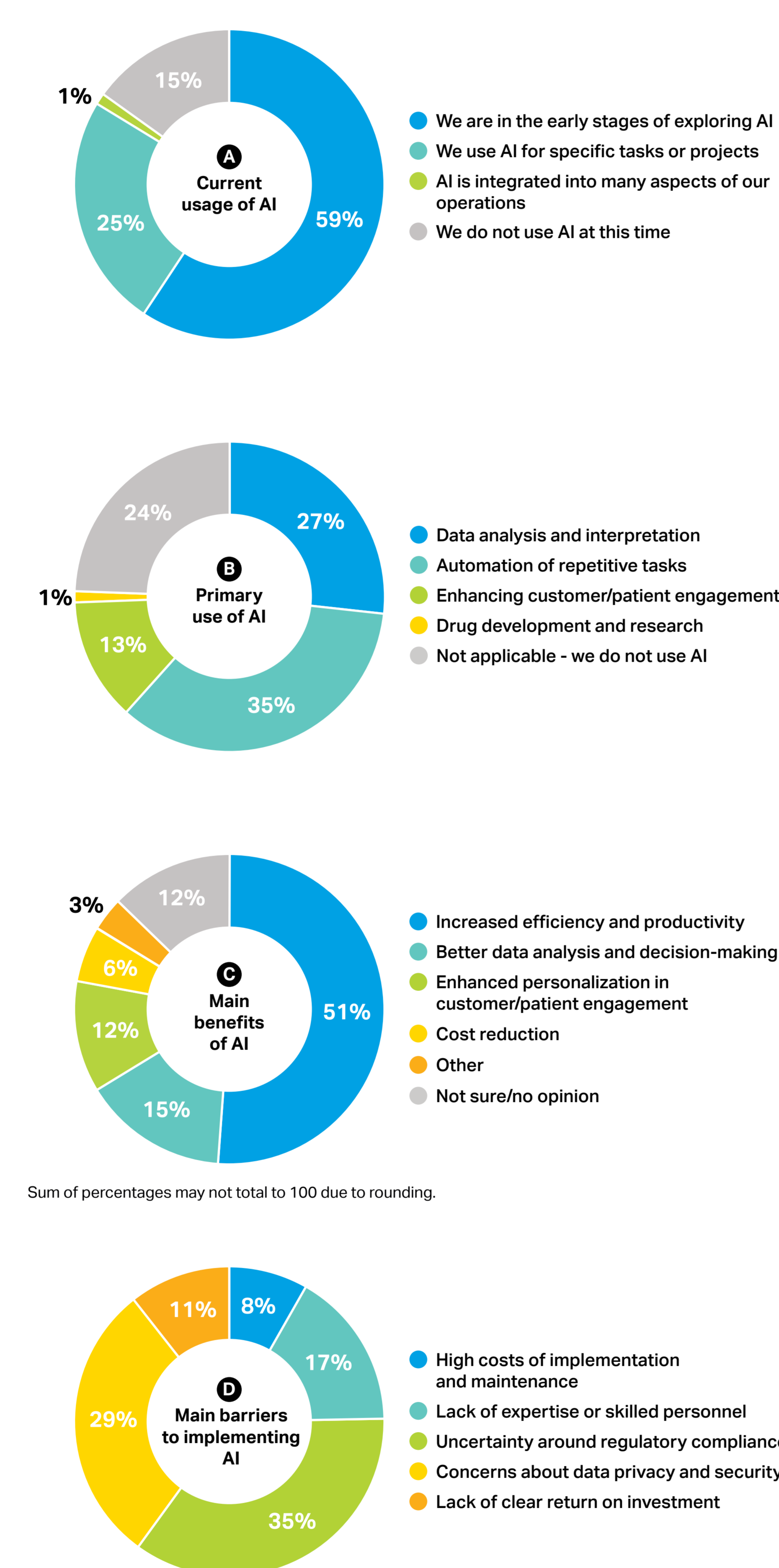
Section	Questions
Section 1: Background information	<ul style="list-style-type: none"> Role/job title Company type Years of experience in the industry (not AI specific) Location
Section 2: Experience with AI	<ul style="list-style-type: none"> Current use of AI in your organization? Primary use of AI in your organization? What do you perceive as the main benefits of AI for your industry? What do you see as the main barriers to implementing AI at your current organization?
Section 3: Omnichannel	<ul style="list-style-type: none"> Rate your understanding and awareness of omnichannel strategies What is the current implementation of omnichannel strategies at your company? What do you see as the main barriers to omnichannel implementation?
Section 4: AI and omnichannel	<ul style="list-style-type: none"> What impact do you expect AI to have on omnichannel strategies? What training opportunities are available at your current company around AI? About omnichannel? What future plans are you aware of regarding AI and omnichannel?
Section 5: Further thoughts	<ul style="list-style-type: none"> Thinking back to this time last year (Q1 2023), how has your perception changed regarding AI and the potential impact on your day-to-day work? Please share any other thoughts, queries, or concerns you have around AI and/or omnichannel

Table 2: Respondent Attributes

Attribute	Respondents (%)
Company type	
Agency	77 (90)
Pharmaceutical company	5 (6)
Freelancer	2 (2)
Other	2 (2)
Years of experience in medical communications	
<1	5 (6)
2-5	32 (37)
6-10	9 (10)
≥10	40 (47)
Location	
North America	51 (59)
Europe	34 (40)
Asia	1 (1)
Other locations	0

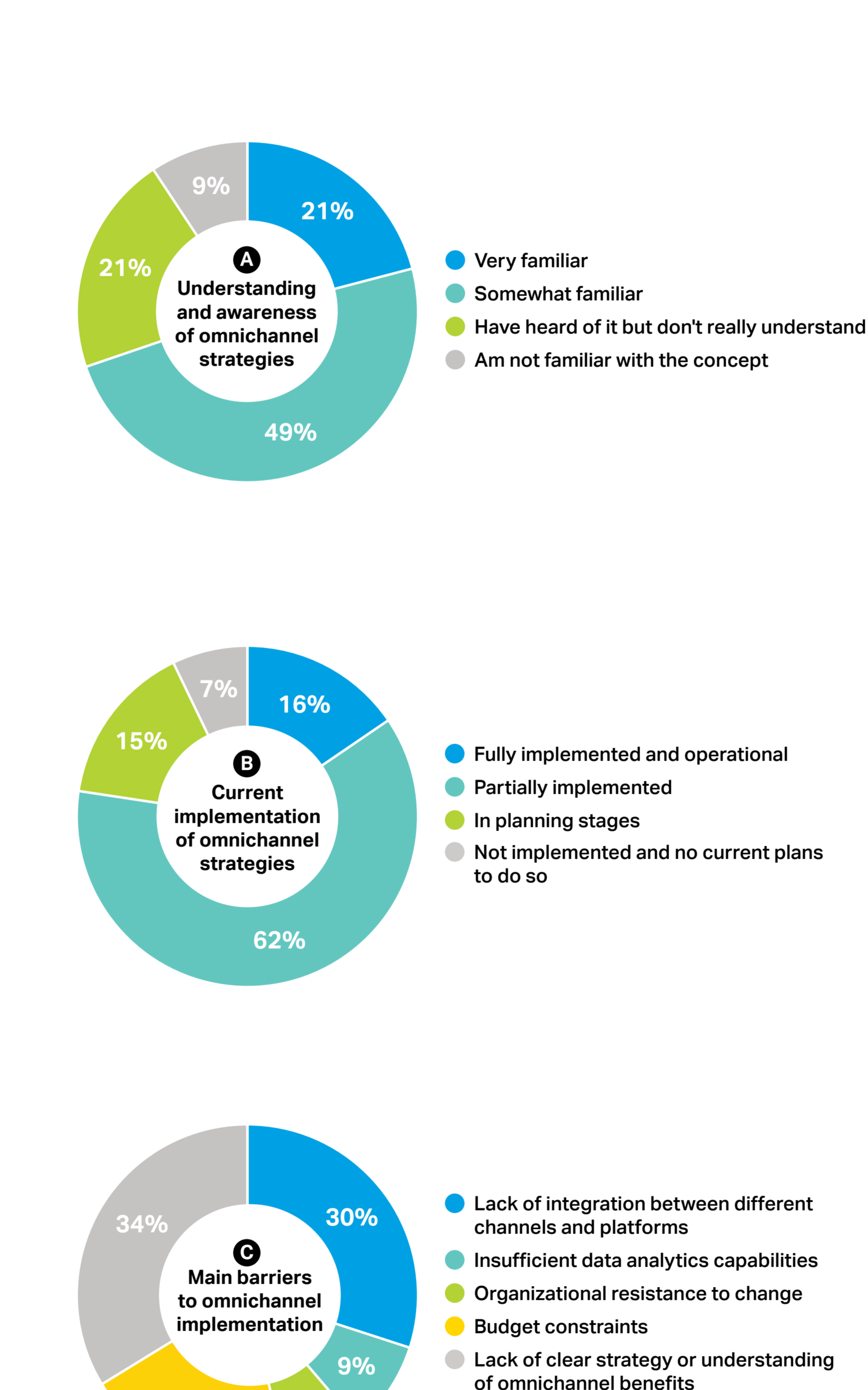
- Most respondents are already exploring and implementing AI, primarily for automation and analysis, with the goal of increasing efficacy and productivity; regulatory compliance and concerns around privacy and security were seen as the main barriers (Figure 1)

Figure 1: Current Use of AI



- General attitudes around omnichannel were similar to those for AI, indicating crossover in these interests; however, general understanding and adoption appeared lower than with AI (Figure 2)
- The main barriers to implementation—a lack of clear strategy and understanding of the benefits of omnichannel—could be overcome with better communication and education (Figure 2)

Figure 2: Current Attitudes Toward Omnichannel



- Among all respondents, the majority felt AI would significantly (17%) or somewhat (38%) enhance the effectiveness of omnichannel (Figure 3)

- 35% were unsure and 6% were neutral
- In their respective organization, respondents shared that significant (33%) or limited (44%) investment and expansion was planned for AI and omnichannel (Figure 4)
 - 15% of respondents said there were no plans to invest in AI or omnichannel
 - Majority of the responses suggested that there are opportunities for training and education in AI (69%) and omnichannel (71%) in place (Figure 5)

Figure 3: Impact of AI on Omnichannel Strategies

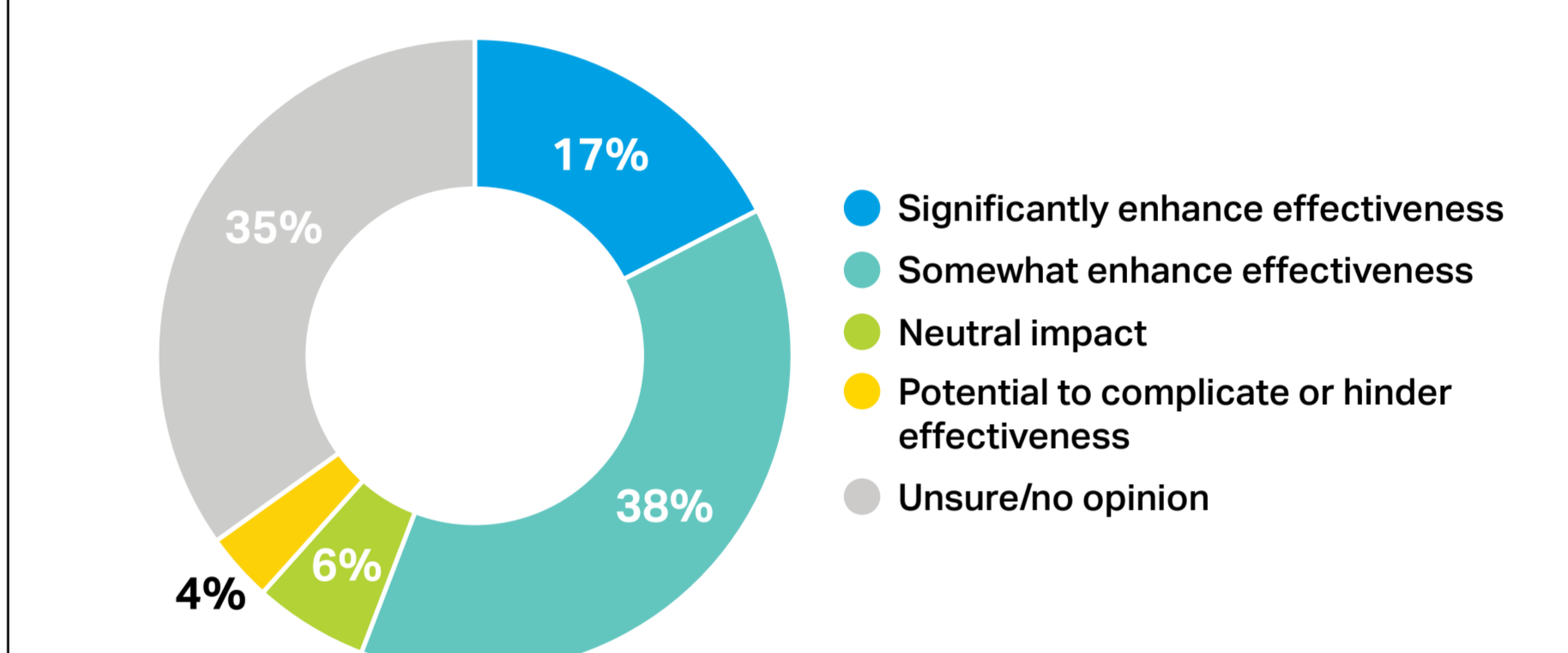


Figure 4: Future Plans for AI and Omnichannel

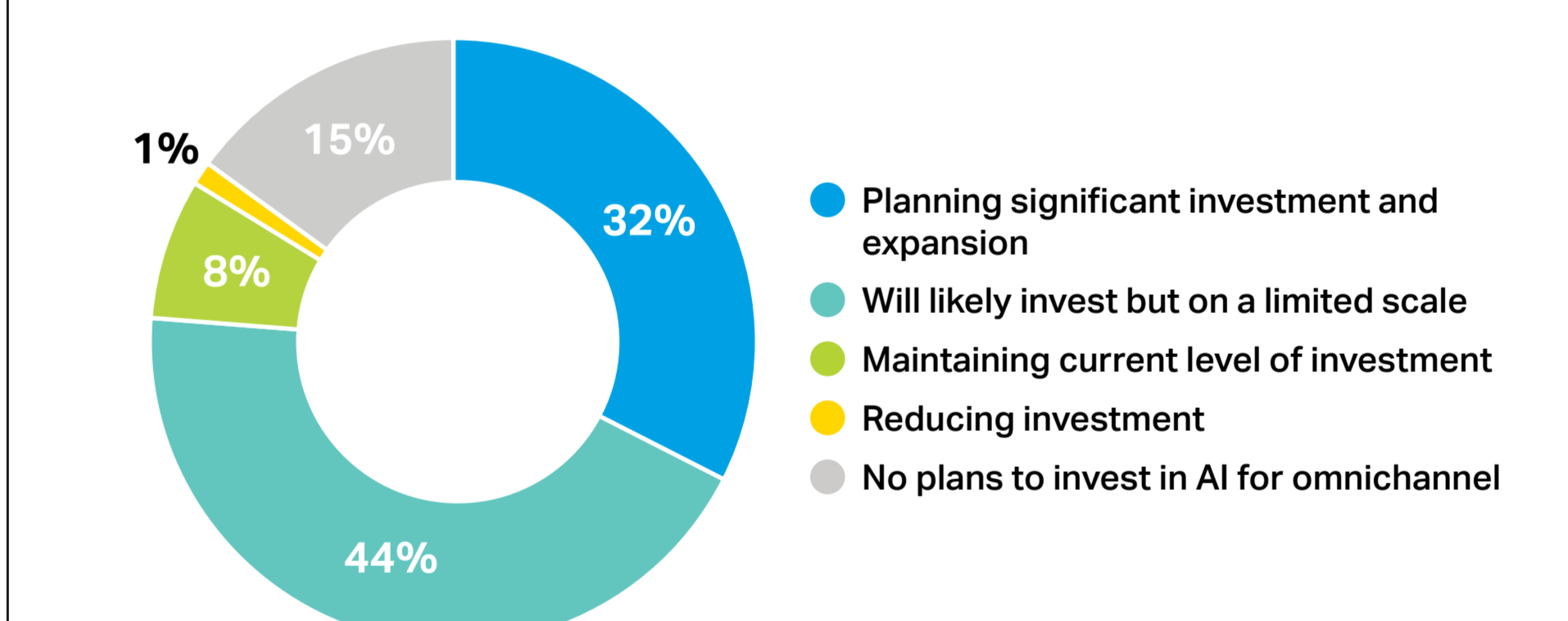
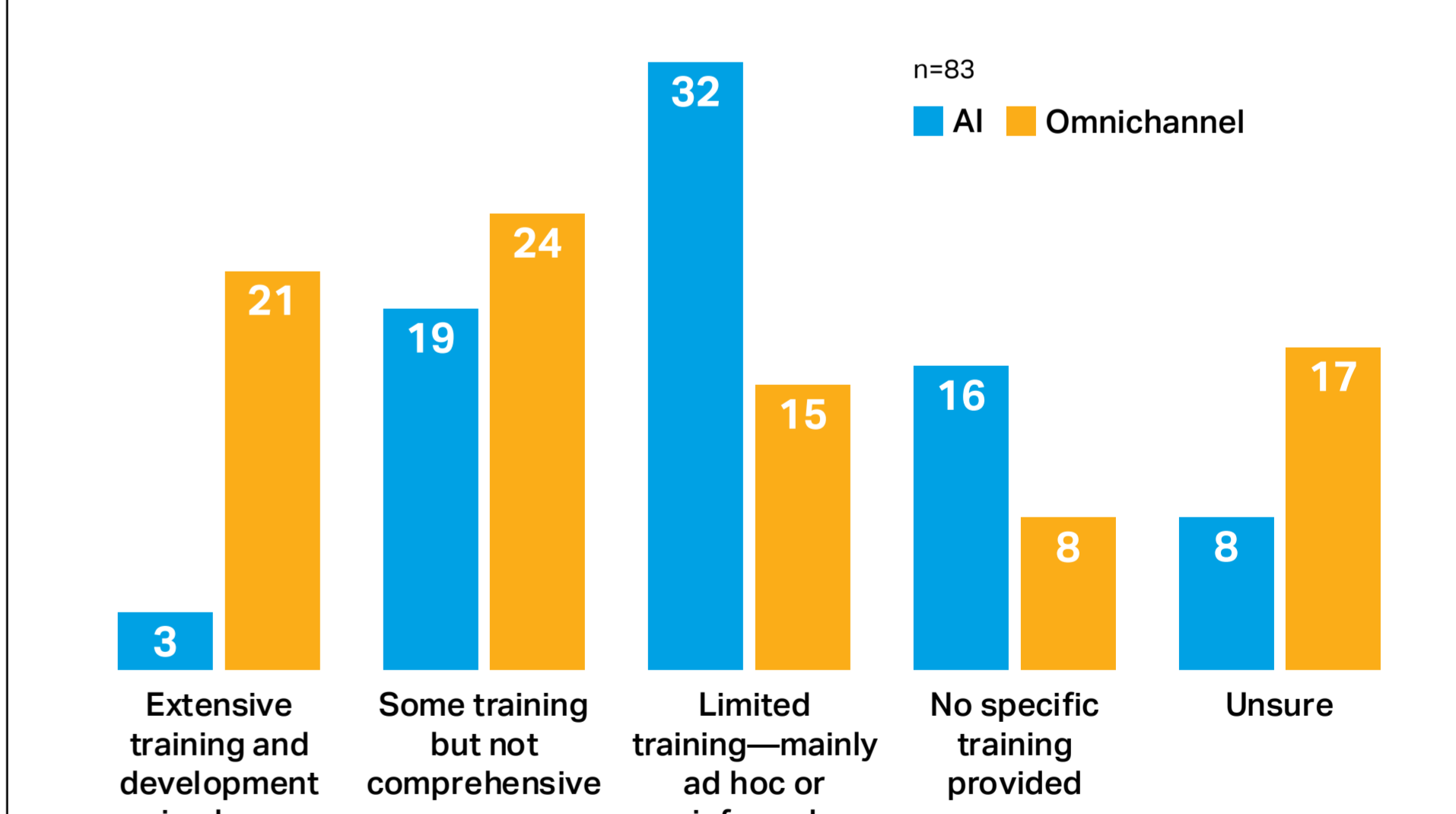


Figure 5: Opportunities for Training and Education



Note: Respondents could provide more than 1 response.

Discussion and Conclusions

- Our survey indicated a high level of interest and engagement in AI and omnichannel, and of AI to support omnichannel strategies specifically
 - This may be increasing over time, as we found higher usage and awareness for AI than in previous research
 - Compared with a recent survey study in which 49% of participants were unaware of AI or did not use AI in medical communications (Superscript 2) only 15% of respondents in our survey indicated that they do not use AI
- The main perceived benefits of AI were efficiency and productivity
 - Reduced costs did not factor highly—initial set-up costs may be high, and the ability to quickly identify more relevant insights translates into more time required for synthesis
- Along with an expressed need for education and training on these technologies for effective implementation, there was marked optimism about the role AI and omnichannel will play in medical communications
- Further education around both AI and Omnichannel will help equip right knowledge and expertise to navigate future questions on implementation, use, and maintenance of these complex technologies for medical communications

Key Recommendations

- Familiarize yourself with free AI tools—don't be afraid to experiment!
- Understand the benefits and limitations of available tools
- Support colleagues who may be technoskeptic—everyone learns in their own way
- Monitor for emerging guidance around use of AI and omnichannel approaches in medical communications