



Generative AI Adoption Among Biomedical Researchers

Ithaka S+R conducted a survey of academic biomedical researchers regarding their attitudes towards and use of generative AI in research contexts.



The survey was fielded between February 20 and March 29, 2024.



770 participants responded to the survey.

Although most biomedical researchers have used Gen AI in their research in the past, few currently use it and almost none use it regularly.



6 in 10 biomedical researchers have ever used Gen AI in their research.



Among the 6 in 10 biomedical researchers who have ever used Gen AI in their research:

- 31% have used it to review/edit grammar
- 25% have used it to extract knowledge from scientific literature
- 22% have used it for administrative tasks
- 22% have used it to write code



4 in 10 biomedical researchers currently use Gen AI in their research.

Barriers to Adoption

55% Reported insufficiently accurate and/or reliable outputs

47% Reported a lack of clarity about best practices for research integrity and Gen AI use



Fewer than **1 in 10** biomedical researchers regularly use Gen AI in their research.



56% Expressed strong interest in biomed-specific generative AI products

14% Had used existing biomed-specific LLMs or tools