

# The ethical issues in the use of AI in healthcare

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March 1, 2024

## 1 INTRODUCTION

Based on the improvement of certain theories and the improvement of computer computing power, AI has achieved rapid development in the 21st century. It raises huge expectations, has attracted significant investment especially in Medical and healthcare area (table 1).

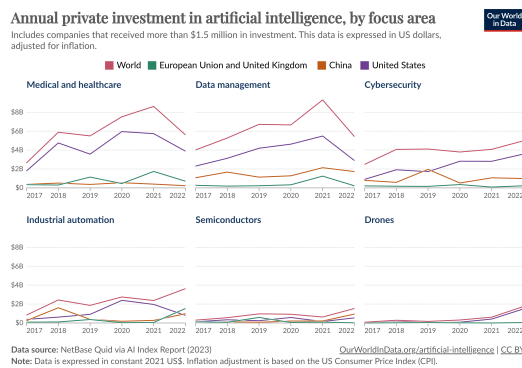


Figure 1.1: Annual private investment in AI

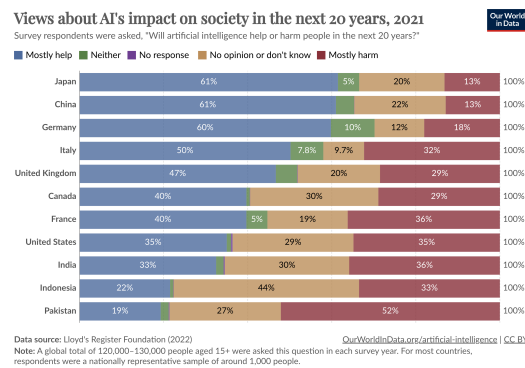


Figure 1.2: Views on AI's impact on society

So far, advocates of healthcare (HCAI) have promised the technology will improve the accuracy of screening and diagnosis, increase the availability of care in remote regions and free up physicians' time so that they can engage more with patients [1]. Meanwhile, questions around the potential exacerbation of health disparities due to modeling biases have raised notable ethical concerns regarding the use of this technology in healthcare [2]. Here we are going to discuss, how did these issues arise and what should we do to solve it.

## REFERENCES

- [1] Emma Kellie Frost, Rebecca Bosward, Yves Saint James Aquino, Annette Braunack-Mayer, and Stacy M. Carter. Public views on ethical issues in healthcare artificial intelligence: Protocol for a scoping review. *Systematic Reviews*, 11(1):142, December 2022.
- [2] David Oniani, Jordan Hilsman, Yifan Peng, Ronald K. Poropatich, Jeremy C. Pamplin, Gary L. Legault, and Yanshan Wang. Adopting and expanding ethical principles for generative artificial intelligence from military to healthcare. *npj Digital Medicine*, 6(1):225, December 2023.