

What's *really* important? Priorities of trustworthy AI requirements in healthcare: the perspective of clinicians in Sweden

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Short abstract

To address ethical concerns concerning artificial intelligence (AI) in high-stakes areas such as healthcare, the High-Level Expert Group on AI (HLEG) has outlined a set of requirements on trustworthy AI (including items such as *privacy* and *technical robustness*). Tensions may arise when implementing methods to fulfil these requirements, and trade-offs may need to be decided upon. What such trade-offs may be, and the development of technologies and methods to enable addressing them, are related areas of research. Our study, based in a healthcare use case, explores end users' requirements for addressing trade-offs between the trustworthy AI requirements. Our findings will guide human-centric research and development of medical AI applications. Through our qualitative study we explore the perceptions and priorities of the trustworthy AI requirements among 11 clinicians based in Sweden.