

# Data-driven shared decision making in oncology

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## Propositions Belonging to the thesis

# Data-Driven Shared Decision Making in Oncology: Addressing Preference-Sensitive Scenarios

1. Incorporating patient preferences into oncology decision-making processes leads to higher patient satisfaction and improved adherence to treatment plans. (This thesis)
2. Elevating digital health literacy transforms patients from passive recipients to active participants, ensuring that everyone can use the power of AI in their healthcare journey. (This thesis)
3. In the realm of healthcare, explainable AI is the key to unlocking trust and adoption, turning complex algorithms into understandable and actionable insights. (This thesis)
4. The true potential of AI in healthcare is achieved through interdisciplinary collaboration, where tech developers, healthcare providers, and patients co-create solutions that address both technical and human needs. (This thesis)
5. The way risk information is framed and presented significantly influences patient decisions, highlighting the need for clear and balanced risk communication strategies. (This thesis)
6. Combining AI with Shared-Decision-Making creates a powerful tool for personalized healthcare, making treatment recommendations that are both data-driven and aligned with patient preferences. (This thesis)
7. The cornerstone of reliable AI in healthcare is high-quality, unbiased, and accessible data. Without this, even the most advanced AI models can produce unreliable or biased outcomes. (This thesis)
8. The goal is to turn data into information, and information into insight. (Carly Fiorina)
9. The good physician treats the disease; the great physician treats the patient who has the disease. (William Osler)
10. Technology alone is not enough. It is technology married with liberal arts, married with the humanities, that yields us the results that make our heart sing. (Steve Jobs)