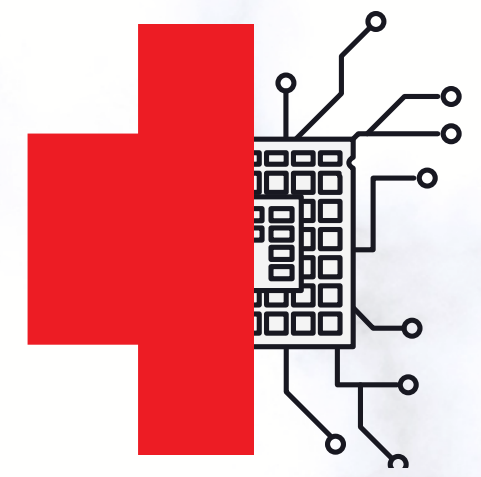


SOCIO-TECHNICAL DESIGN FOR CLINICAL DECISION SUPPORT SYSTEMS



1 Research question

HOW CAN SOCIO-TECHNICAL DESIGN APPROACHES BE USED TO COMBAT UNFAIR OUTCOMES OF CLINICAL DECISION-SUPPORT SYSTEMS?

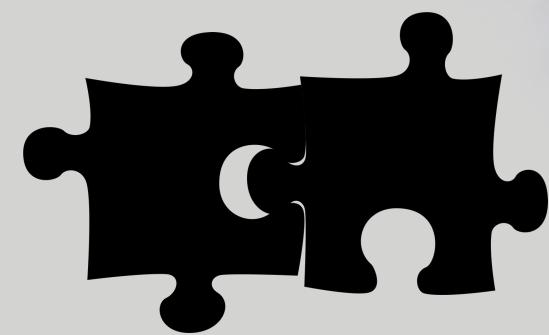
2 Background

AI is used to help healthcare workers make decisions about how to handle a patient's situation. These AI systems have shown to be prone to bias leading to unfair decisions and care.

3 Method

Literature study into scientific papers drawn from the computer science, healthcare and social studies fields.

4 What is the problem



Wrong use



Bias in outcomes



Increase disadvantage

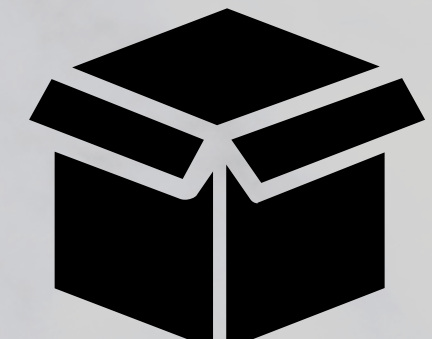
5 What is the cause



Bias in data



Bias in healthcare



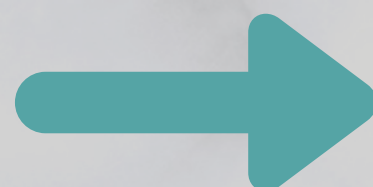
One size fit all

6 Result & conclusion

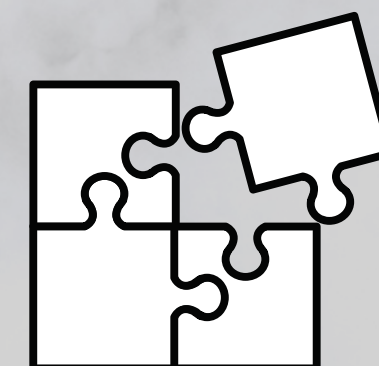
A methodology for designing fair clinical decision support systems is suggested and explained, combining and adapting the existing methodologies to solve the specific problems present within clinical decision support systems.



Understand the problem



Involve stakeholders



Adapt to environment



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