

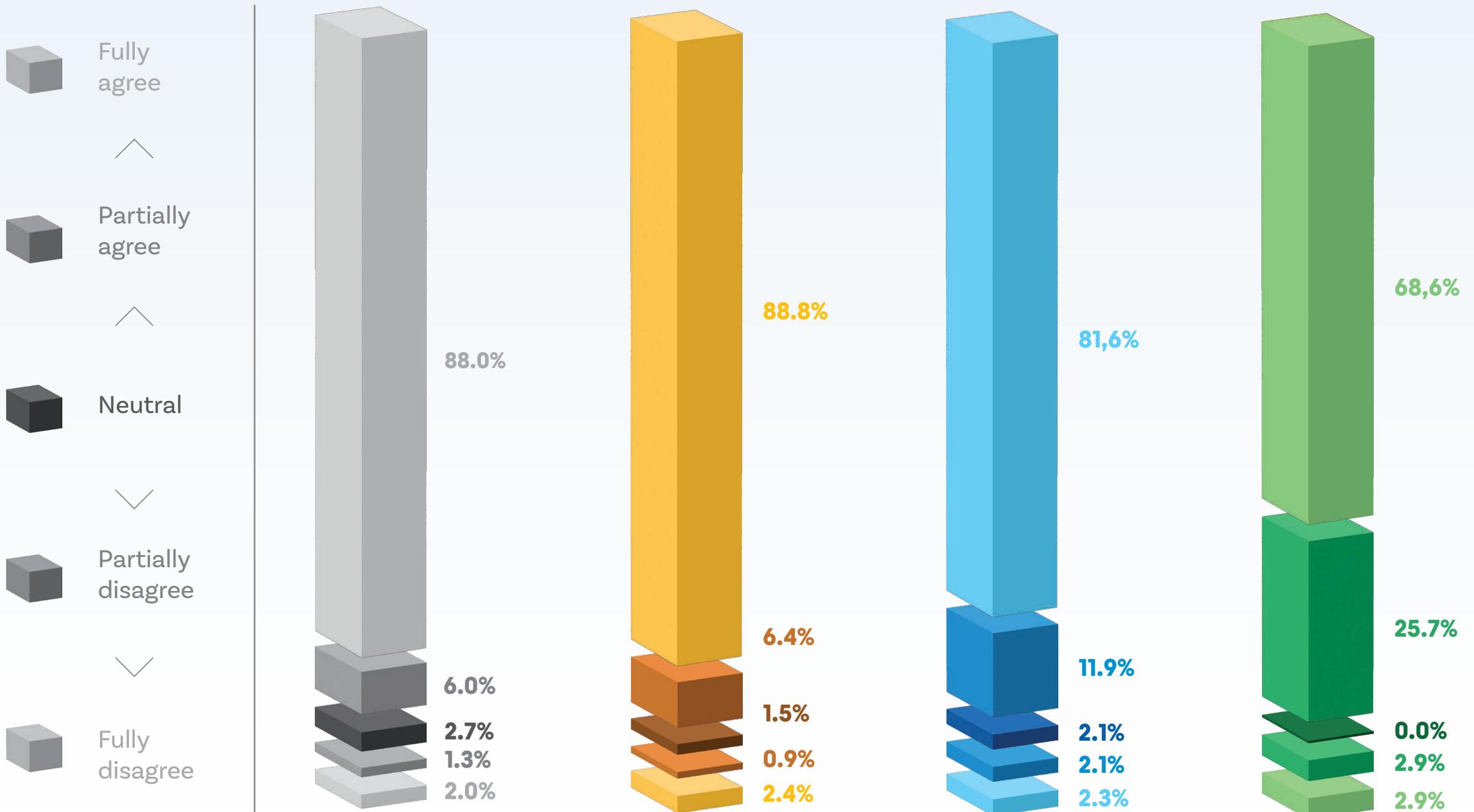
# The Seven Deadly Sins of AI in Medicine

Agreement/Disagreement per Age



## Sin 1: Blind Trust in AI

Over-reliance on AI systems without adequate validation or verification can lead to incorrect or inappropriate decision making, that can even cause harm to humans.



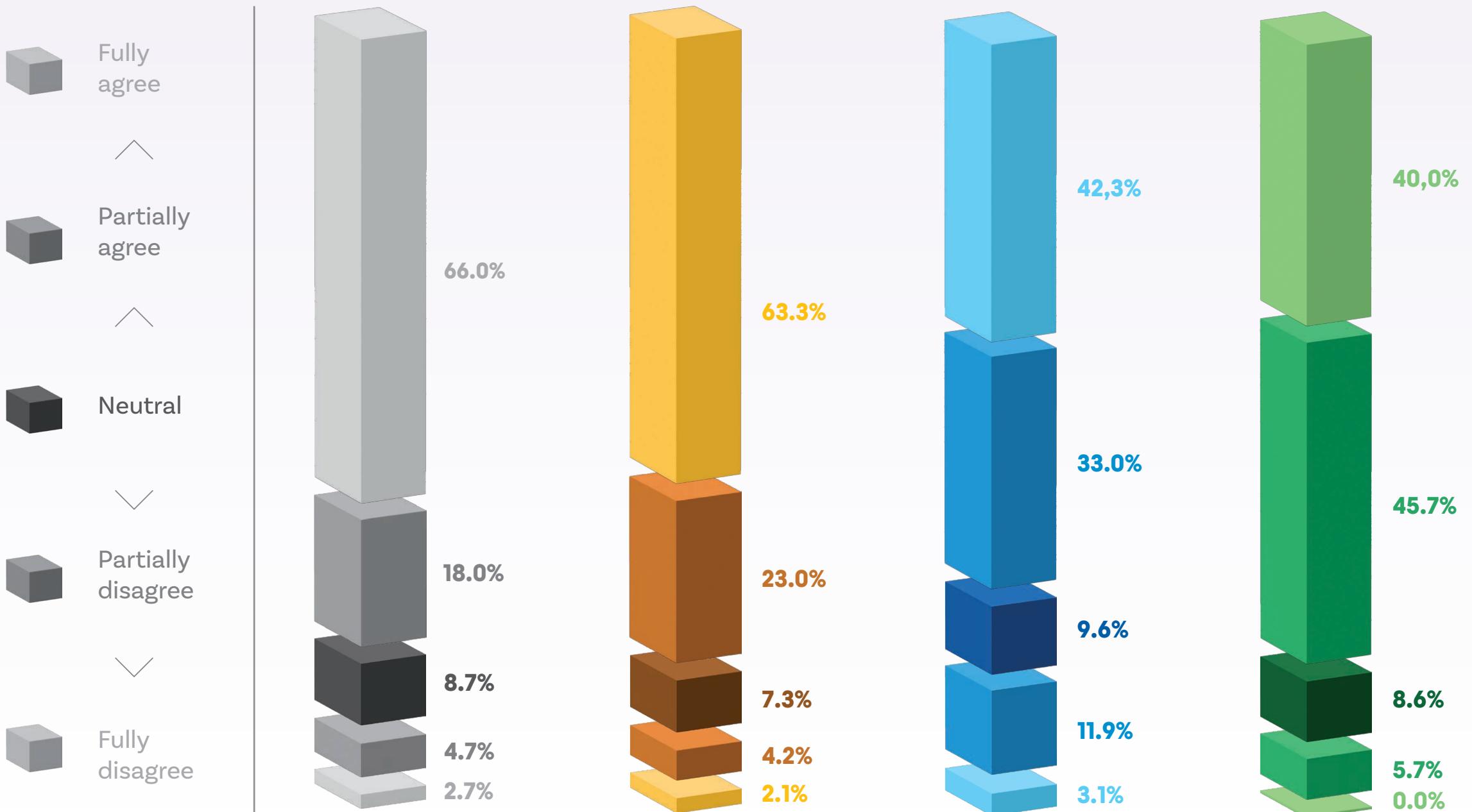
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## Sin 2: Over-regulation (no guts, no glory)

Excessive regulation could prevent innovation and progress, and limit the ability of researchers and developers to experiment and take risks with new AI technologies.



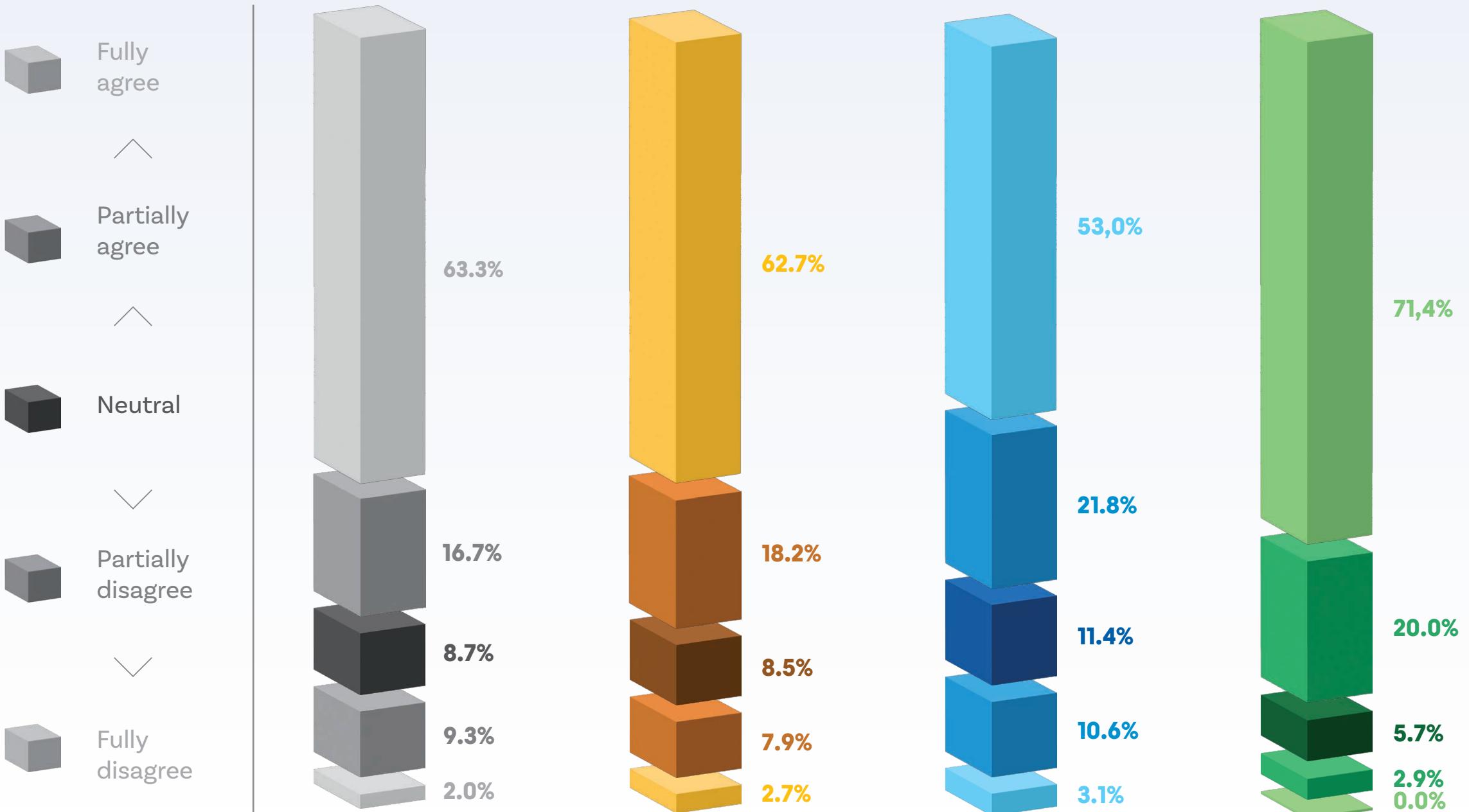
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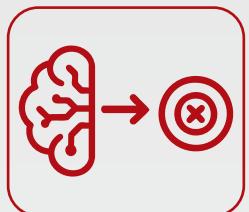
## Sin 3: Robotizing and dehumanization

Excessive regulation could prevent innovation and progress, and limit the ability of researchers and developers to experiment and take risks with new AI technologies.



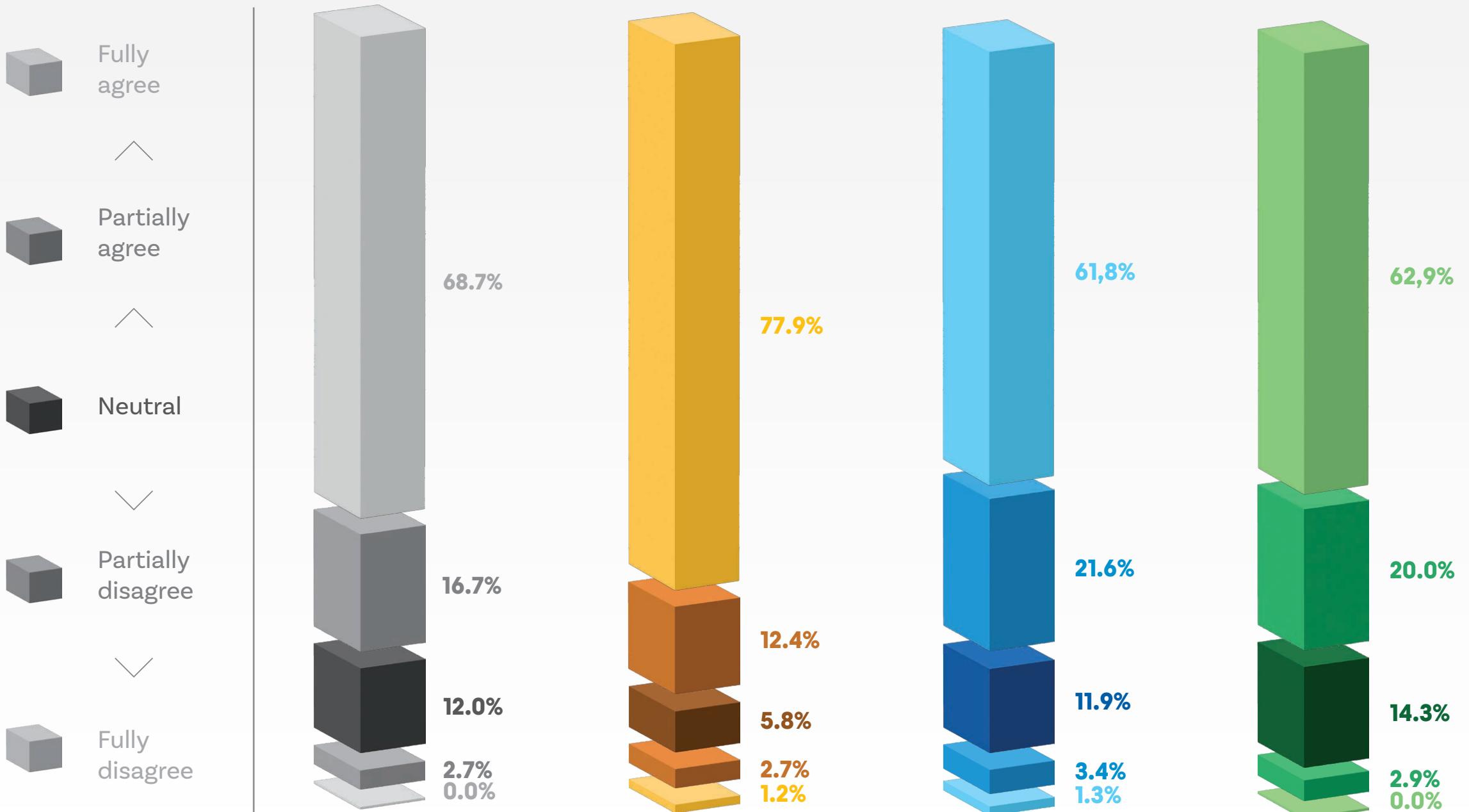
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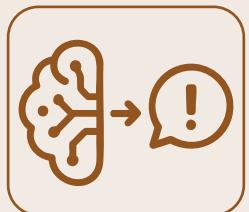
## Sin 4: Wrong targets in optimization

AI systems that prioritize metrics that do not align with overall patient outcomes can result in suboptimal decision making.



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## Sin 5: Over-informing and false forecasting

AI systems that generate too much information or provide false predictions can lead to confusion and decreased trust in the technology.



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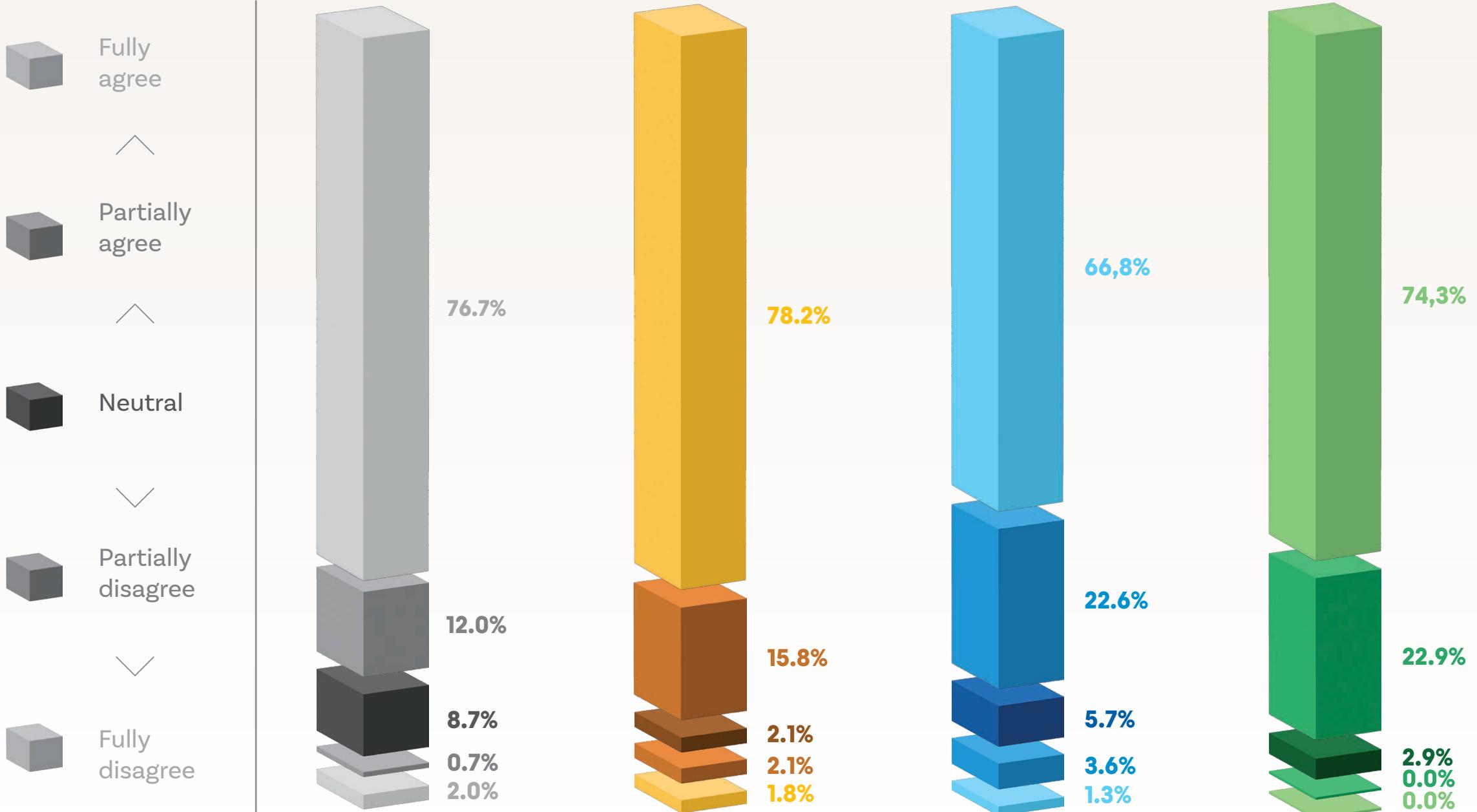
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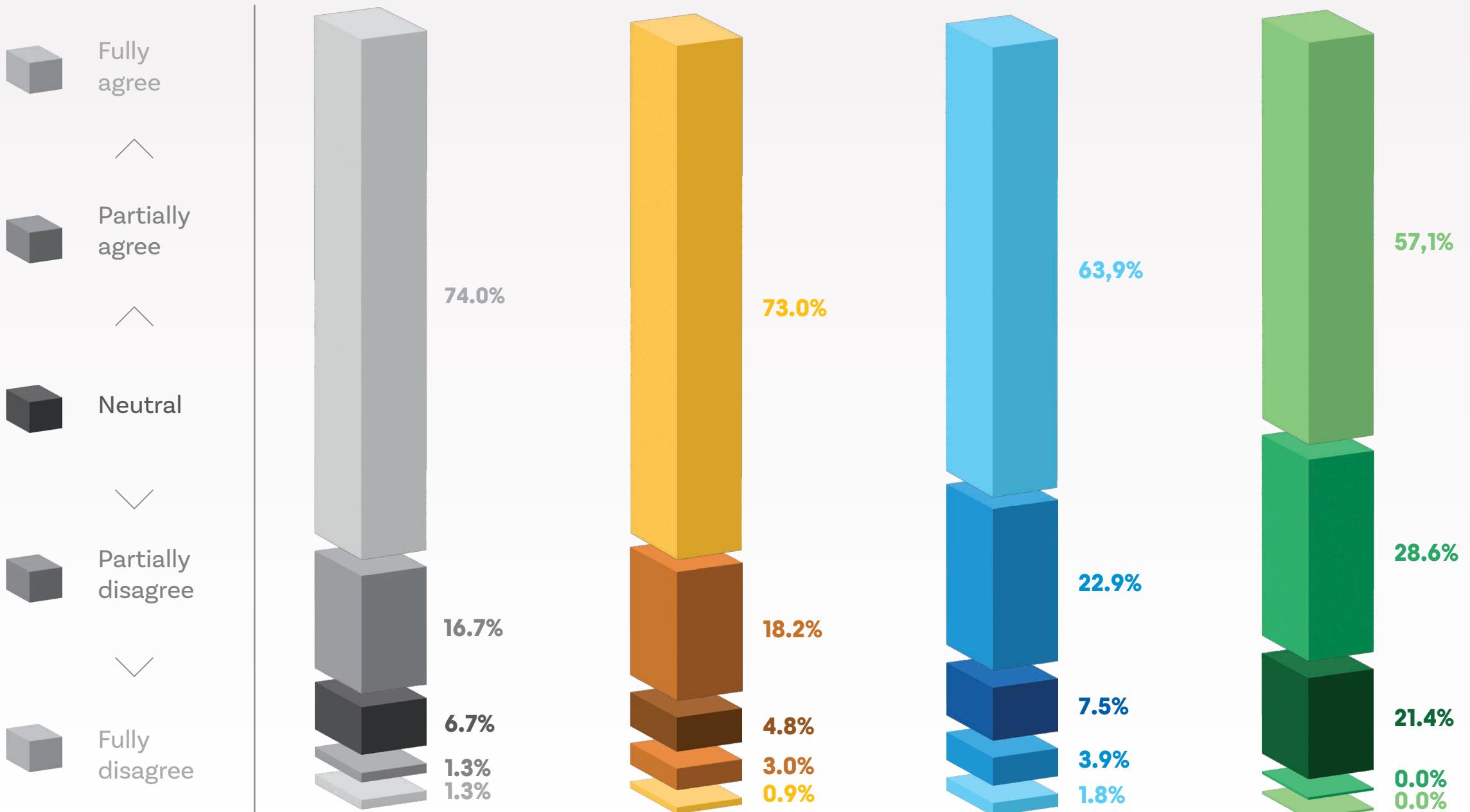
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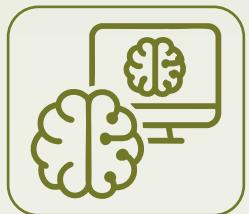
### Sin 6: Application of a statistics statement to an individual case

AI systems that rely solely on statistical models without considering individual patient circumstances can lead to incorrect or inappropriate decision making.



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## Sin 7: Self-reference (AI-based) monitoring

AI systems that rely solely on themselves for evaluation, without independent oversight, can lead to a lack of accountability and decreased transparency in decision making.

