BACKGROUND

Using AI systems to aid decision-making offers huge benefits. From reducing drug discovery times, to speeding up and increasing the accuracy of medical diagnoses, to optizing new-skilling and training of employees, AI contributes to progress in many different spaces.
What is important to know about how and when AI is used to aid a decision for the person the decision impacts?

SCENARIO

Mary was diagnosed by an experienced and trusted doctor as having a high likelihood of developing a serious illness in the future and was recommended to have costly and invasive treatments to prevent this. However, she obtained a second opinion from another doctor using an award winning artificial intelligence diagnostics system which recommended that she falls into a low risk grouping for this disease. The second doctor was convincing but did say that the AI system was so complex that the reasons for the good diagnosis were not explainable.
Mary is open to new technologies, and appreciates the value of computer-aided decision making, but is concerned that it may not be right in her case. She has heard that AI systems have sometimes been developed using information from people largely of European ancestry and can be inherently less accurate for people of other ethnicities like herself.

DISCUSS

- What information should Mary be given by the doctors to allow her to make a sensible decision?

- How should computer-aided decision making be incorporated into the doctor-patient decision making process?

- Where computer-aided recommendations go against doctors' or patients' opinions, how should a decision be made?

QUESTION TO ASK ONCE CITIZEN'S HAVE READ THE SCENARIO

Should a medical professional giving you a recommended action, be required to inform you of the source of the recommendation?	Yes/maybe/no