

Review of: "Artificial intelligence in the service of health and safety at work: Perspectives and challenges from now to 2035 - A prospective study"

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Potential competing interests: No potential competing interests to declare.

With interest, I read the manuscript by Malenfer et al. The authors explore the future role of AI in improving workplace health and safety. The manuscript discusses potential benefits, like enhanced risk prediction and personalised safety measures, alongside ethical concerns such as privacy and AI bias. The paper uses foresight methodology to envision different scenarios, emphasizing the need for interdisciplinary collaboration in developing AI solutions. Recommendations for policymakers and practitioners are provided, aiming to guide responsible AI integration into occupational health. The manuscript highlights the transformative impact AI could have on workplace safety by 2035.

This is an interesting manuscript with an innovative approach. Its strengths lie in the thorough analysis, incorporating a foresight methodology quite new to me, and morphological analysis to project future scenarios. Were the scenarios reviewed by the other groups as well? The interdisciplinary approach enriches the discussion, and the inclusion of ethical considerations demonstrates an understanding of AI's societal impact. Great to see so many different participants!

However, the paper could be enhanced by incorporating more empirical data to support its speculative scenarios. A deeper technical analysis of AI applications in occupational health and the current state of AI technology would add depth and relevance. Further exploration of AI bias and data privacy issues is also necessary, given their significance in workplace settings. Additionally, a comparative analysis with other studies would provide a broader context for the findings, and streamlining some sections could improve readability and accessibility. Sometimes, critical reflection along the way can improve a manuscript.

Overall, the paper is a significant contribution to the field, offering valuable insights and practical recommendations for future policy and industry practices. Its foresight approach and interdisciplinary perspective are particularly well done. With some improvements in empirical backing, technical detail, and expanded discussion on ethical concerns, the paper has the potential to be even more interesting.

All the best!