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### Advanced AI Assessment

Trustworthy AI Framework





### Introduction

## AI and AI-mediated technologies have experienced an extraordinary evolution in the healthcare sector.

Computer programs

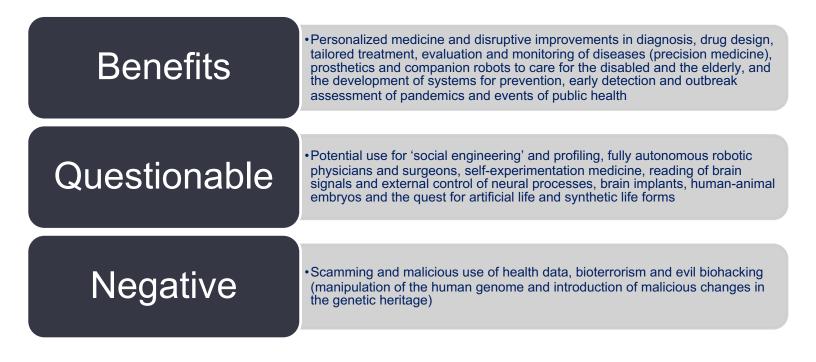
Integration

Source: Gómez-González, E., & Gómez Gutiérrez, E. (2020). Artificial Intelligence in Medicine and Healthcare: applications, availability and societal impact.





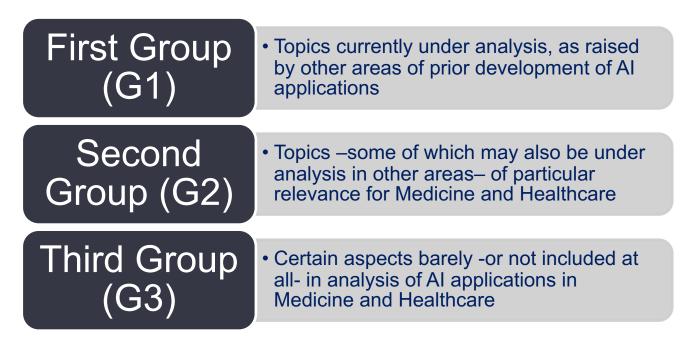
#### Introduction







# Ethical and social aspects to consider for classification







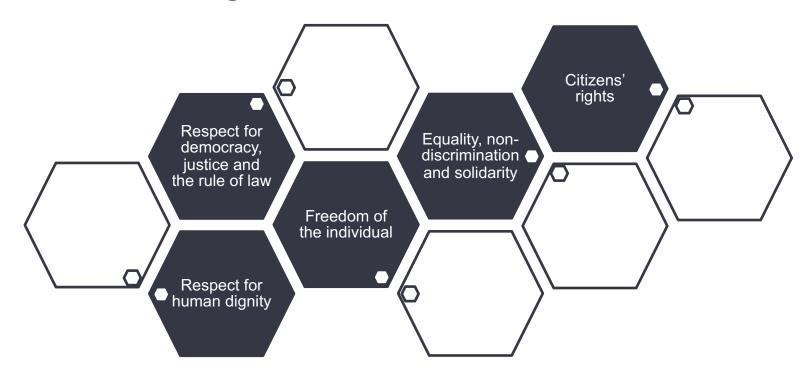
### Trustworthy AI

- Lawful AI "all legal rights and obligations that apply to the processes and activities involved in developing, deploying and using AI systems remain mandatory and must be duly observed" (EU, 2019, p. 6)
- Ethical AI "ensuring alignment with ethical norms" (EU, 2019, p. 7)
- **Robust AI** "Such systems should perform in a safe, secure and reliable manner, and safeguards should be foreseen to prevent any unintended adverse impacts. It is therefore important to ensure that AI systems are robust" (EU, 2019, p. 7)





### Fundamental rights



Source: European Commission (2019). High-level expert group on artificial intelligence. Ethics guidelines for trustworthy AI.





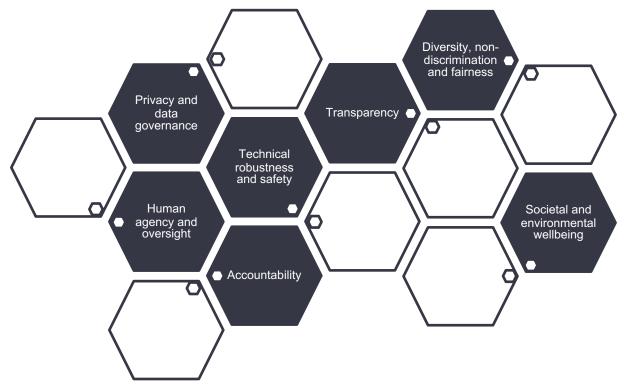


Source: European Commission (2019). High-level expert group on artificial intelligence. Ethics guidelines for trustworthy AI.





### Requirements of Trustworthy AI



Source: European Commission (2019). High-level expert group on artificial intelligence. Ethics guidelines for trustworthy AI.



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Thank you