

# Artificial Intelligence and Digital Health



Today's digital health innovations result in the generation of data from many different sources and in many different formats. There is a greater need therefore, for the development of algorithms to analyse these multiscale datasets for patient benefit. The ability to build models and algorithms from patient data collected from both within the clinical environment (e.g. clinical imaging) and in the community (e.g. wearable sensors) will enable researchers to detect patterns that may not be obvious or manually discernible and to predict the onset and progression of disease.

The Digital Health and AI themed research in this area will facilitate improved diagnosis, classification, prevention and self-management of physical and mental health conditions. This Health GRP sub-theme will focus on research that involves the development of algorithms and models across the healthcare domain. Our aim is to support researchers to gain access to relevant expertise and training that allows a strong digital health/AI component in large-scale health/clinical themed funding bids.

The theme represents groups from across the University, including the Institute of Digital Healthcare (WMG), Computer Science, Engineering and WMS, and will also work to promote industrial and commercial partnerships with academic researchers and partner NHS Trusts.



# HEALTH

Bringing different disciplines together  
to improve human health

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