

Singapore announces launch of Future Health Technologies (FHT2) programme

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To accelerate the deployment of new technologies across hospitals, communities and homes



Nanyang Technological University (NTU) Singapore is helping to drive the next phase of innovation in healthy ageing through the launch of the Future Health Technologies (FHT2) programme.

Led by the Singapore-ETH Centre, in collaboration with the National Research Foundation (NRF), NHG Health and NTU, the FHT2 programme brings together global research and clinical expertise to translate AI and robotics into real-world healthcare solutions.

Backed by a S\$37.9 million investment, FHT2 focuses on helping people stay mobile, mentally well and independent for longer - addressing the gap between Singapore's lifespan and health span.

FHT2 marks a shift towards clinical translation, moving innovations from lab to practice by 2030. It targets three key areas:

1. Musculoskeletal health and mobility: AI-powered digital twins, wearable sensors and fall prevention programmes to reduce fractures and disability
2. Mental well-being and cognitive health: Precision digital therapeutics using AI and behavioural science for personalised care
3. Rehabilitation and recovery: Home-based rehabilitation using soft robotics and AI to improve access and continuity of care

FHT2 builds on strong foundations from its first phase, which delivered innovations such as fall-risk sensors, digital twin fracture models, cognitive assessment tools and robotic rehabilitation systems.

Through close collaboration with international and healthcare partners, NTU is helping to accelerate the deployment of these technologies across hospitals, communities and homes, supporting Singapore's shift towards preventive, personalised care.