

Annex A

Featured Sandbox Use-cases

Successful Sandbox Use-case

Us2.ai, a HealthTech startup and Synapxe partnered to successfully test an AI- powered echocardiography tool that analyses 2D and Doppler echocardiogram images to provide comprehensive cardiac measurements. This application aligns with international guidelines, streamlines workflow processes and enabling early diagnosis of heart failure. Us2.ai is now progressing to the next stage of discussions for adoption with respective healthcare entities.

Current Sandbox Use-cases

In partnership with Carecam a HealthTech startup and Tan Tock Seng Hospital (TTSH), a new 3D gait analysis system is being developed and it is currently under evaluation. This system employs an iPad and artificial intelligence to scientifically analyse gait biomechanics to detect potential mobility issues. It is being utilised to monitor the rehabilitation recovery progress of stroke patients. This application is presently being tested at TTSH.

In another project, National Healthcare Group Eye Institute (NHGEI), together with the Singapore Institute of Technology, is working with Synapxe to streamline how visual acuity tests are performed in the eye clinic. An AI-enabled cloud-based visual acuity test is being developed, harnessing speech-to-text and pose-estimation capabilities. This is designed to alleviate the workload of healthcare professionals and reduce eye patient's waiting time in the clinic.