

curve



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Astro Studios
in profile

Biological home
sustains life

Diamond cut
premium bottle

snapshot



Monitor in miniature

A Life Science team of designers, healthcare professionals and strategists at Ergonomidesign in Sweden have developed a clever little healthcare concept called miniME – a personalised device that allows biometric data to be monitored in the body via sensors and relayed back to relevant healthcare professionals.

Still in the concept stage, miniME is the result of years of combined experience in the medical industry. The small medical device includes a functioning software prototype called Helping Hands. The miniME device is part of a futuristic patient-centred healthcare system that the team call 'The Future of Integrated Health Care'.

"miniME is the result of the many years of experience from the medical industry that we have gained as designers and researchers," says Lennart Andersson, director of Interaction Design, for Ergonomidesign. "We teamed up with users and practitioners to imagine the most useful ways to utilise these new technological developments."

The device can measure and monitor a person's body and health levels by connecting to biometric sensors placed on the body using Radio Frequency Identification technology and Near Field Communication. Biometric data such as blood pressure, heart rate, body temperature, blood oxygen, blood glucose and cholesterol levels, as well as haemoglobin and prothrombin times, can be measured.

miniME could also detect when a person has fallen over, via a movement or drop sensor. All data is forwarded via a personal health app to mobile devices, computers, surface devices and other medical devices that give relevant medical practitioners or carers easy access to the data.

The app could be prescribed by a doctor as part of a treatment for an illness or ailment, and downloaded directly to the miniME from a medical app store. It is proposed that the miniME could forward biometric data to a cloud site that could provide patients and healthcare professionals with constant access.