

Volume 14, 01 November 2014

Publisher: Igitur publishing

URL: <http://www.ijic.org>

Cite this as: Int J Integr Care 2014; Inter Digital Health Suppl; [URN:NBN:NL:UI:10-1-116544](https://nbn-resolving.org/urn:nbn:nl:ui:10-1-116544)

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Conference Abstract

Improving Patient Safety: Personalised care with digital technology

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Abstract

Handle My Health have developed an award-winning assistive healthcare support system, MIAMI™ that enables patients to manage their condition, understand their treatment and stay connected with their healthcare practitioners when in the community. MIAMI™ uses digital technology to co-ordinate information to and from patients, so that experiences and self-monitoring data are communicated to the healthcare network, while supporting information (medicines, health management), test results and eMR fragments are returned. Thus MIAMI™ has the ability to build a lifetime personal health record to provide a continuous picture of the user's health.

In addition, MIAMI™ is condition-agnostic, handling multiple morbidities and medications. The system accommodates output from health-monitoring devices including new generation ambulatory biosensors. This capability integrates sensor data into MIAMI™'s personal care record which allows healthcare professionals to provide remote support in a variety of scenarios; post-operative and chronic care, isolated patients, clinical trials and real-time surveillance.

MIAMI™ has been demonstrated to increase medication adherence, reduce medication errors and identify potential adverse events which in turn allows for therapy adjustments and a greater level of personalised care. MIAMI™ can be integrated with existing electronic medical record systems to move patients a step further toward the management of their healthcare.

Therefore, MIAMI™'s capabilities can enable significant advances in the care and safety of patients, leading to improved outcomes and better use of scarce resources. The outcomes outlined above solidly support the stated goals of the NHS such as improving patient safety, greater use of technology, providing access to information, and giving/empowering patients to take control of their own healthcare.

Keywords

personalised; care; patients; digital; data
