



Topic Exploration Report

Topic explorations are designed to provide a high-level briefing on new topics submitted for consideration by Health Technology Wales. The main objectives of this report are to:

1. Inform discussions on new topics received by HTW.
2. Determine the quantity and type of evidence available on a topic.
3. Assess the topic against HTW selection criteria.

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| Topic: | MySignals platform for monitoring of medical device outputs |
| Topic exploration report number: | TER006 |
| Referrer: | Matthew Jones, South Wales Fire & Rescue Service |
| Topic exploration undertaken by: | Health Technology Wales |

Aim of Search

Health Technology Wales researchers searched for evidence on the effectiveness of the MySignals platform for the early identification of medical problems during home visits.

Summary of Findings

We did not identify any published evidence about the effectiveness of the MySignals platform for the diagnosis or monitoring of any medical condition.

NICE have published two Medtech Innovation Briefings on the use of other home monitoring systems. Both of these briefings covered specific cardiac devices/conditions only. MySignals is a platform designed to report and store findings from a range of different biomedical sensors, and therefore their applicability to this report is limited.

We did not identify any other evidence on the effectiveness of home monitoring systems in general.

Conclusions

We did not identify any published evidence about the effectiveness of the MySignals platform for the diagnosis or monitoring of any medical condition.

Areas of Uncertainty

Due to the lack of evidence, there is uncertainty about the clinical or cost-effectiveness of the technology, and what health benefits it could offer in addition to current care.

Feasibility of Technology Assessment

Given the lack of published evidence, any HTW guidance would most likely be inconclusive. HTW's Assessment Group therefore concluded not to progress this topic further.

Brief literature search results

| Resource | Results |
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| HTA organisations | |
| Healthcare Improvement Scotland: | We did not identify any relevant guidance from this source. |
| Health Technology Assessment Group | We did not identify any relevant guidance from this source. |
| Health Information and Quality Authority | We did not identify any relevant guidance from this source. |
| UK guidelines and guidance | |
| SIGN | We did not identify any relevant guidance from this source. |
| NICE | We did not identify any guidance specific to the MySignals device. Medtech Innovation Briefings have been published for two other home monitoring devices: LATITUDE NXT Patient Management System for monitoring cardiac devices at home: https://www.nice.org.uk/advice/mib67 CareLink network service for remote monitoring of people with cardiac devices: https://www.nice.org.uk/advice/mib64 |
| Secondary literature and economic evaluations | |
| ECRI | We did not identify any relevant evidence from this source. |
| Cochrane library | We did not identify any relevant evidence from this source. |
| Medline | We did not identify any relevant evidence from this source. |
| Primary studies | |
| Medline | We did not identify any relevant evidence from this source. |
| Cochrane library | We did not identify any relevant evidence from this source. |
| Ongoing secondary research | |
| PROSPERO database | We did not identify any relevant ongoing research from this source. |
| Ongoing research | |
| Clinicaltrials.gov | We did not identify any relevant ongoing research from this source. |

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| Date of search: | December 2018 |
| Concepts used: | mysignals, home monitoring, remote monitoring |