جامعة حمد بن خليفة
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عضو في مؤسسة قطر
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Lifestyle Analytics for Improved Health Outcomes

PHYSICIANS LACK INSIGHT INTO PATIENT LIFESTYLES

Lifestyle plays a major role for patients with chronic conditions such as obesity, cancer, diabetes, multiple sclerosis, and more. Healthcare professionals, however, lack tools to help them integrate the patient's lifestyle into clinical decision-making.

SYSTEM FOR INTEGRATED LIFESTYLE HEALTH ANALYTICS (SIHA)

SIHA is an HBKU eHealth platform integrating wearable and mobile device data to deliver lifestyle analytics for chronic patients, aiding personalized treatments and supporting pharmaceutical adjustments. It has been piloted at the **National Diabetes Center, Hamad Medical Corporation.**

FEATURES

Device integration: Syncs data from devices like Fitbit, Huawei, Withings, Google Fit, and Apple.

Body weight integration: Real-time data from Google/Apple Health APIs.

Glucometer integration: Syncs with Abbott Libre for glucose data.

Patient management: Tools for managing patient info and treatments.

Health visualization: Displays sleep, activity, and heart rate data.

Custom analytics pipeline: Easily adds new data sources.

Patient grouping: Groups patients for advanced queries.

Sleep quality prediction: Analyzes sleep based on activity patterns.

User dashboard: Intuitive data querying and visualization.

APPLICATIONS

- Diabetes and obesity
- Neurology
- Oncology
- Cardiology
- Psychiatry:

VALUE PROPOSITIONS

SIHA leverages real-world data from mobile and wearable technologies, using artificial intelligence to enhance chronic disease management. It offers:

Personalization: Lifestyle analytics improve clinical decision-making and enable more personalized advice to patients

Robust patient data: Quantifies patient quality of life beyond questionnaires

Easy integration: SIHA can be easily integrated into multiple applications (e.g., digital therapeutics, population health) facilitating health data science and machine learning

Enlightenment: Advanced data analytics and visualization uncover new patterns and interactions between health outcomes and lifestyle

PATENT STATUS

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LICENSING OPPORTUNITIES

Hamad Bin Khalifa University is offering this technology for license.
For more information, please contact: innovation@hbku.edu.qa