LAIMA

Monitoring & Intervention System

proit

Solution

LAIMA Monitoring & Intervention System - **continuous monitoring, integration** and **real-time analysis** of

(1) passively generated high-resolution data-streams using smartphone sensors (i.e., digital phenotyping);

(2) actively acquired data via multi-channel portal;

(3) Integration with other relevant data sources (EHRs);

(4) integration with mHealth interventions.

Structure of LAIMA MIS

Passively generated high-resolution data

Smartphone sensors

Digital Phenotype

Actively collected data
Multi-Channel Portal
Customizable
Patient-centered

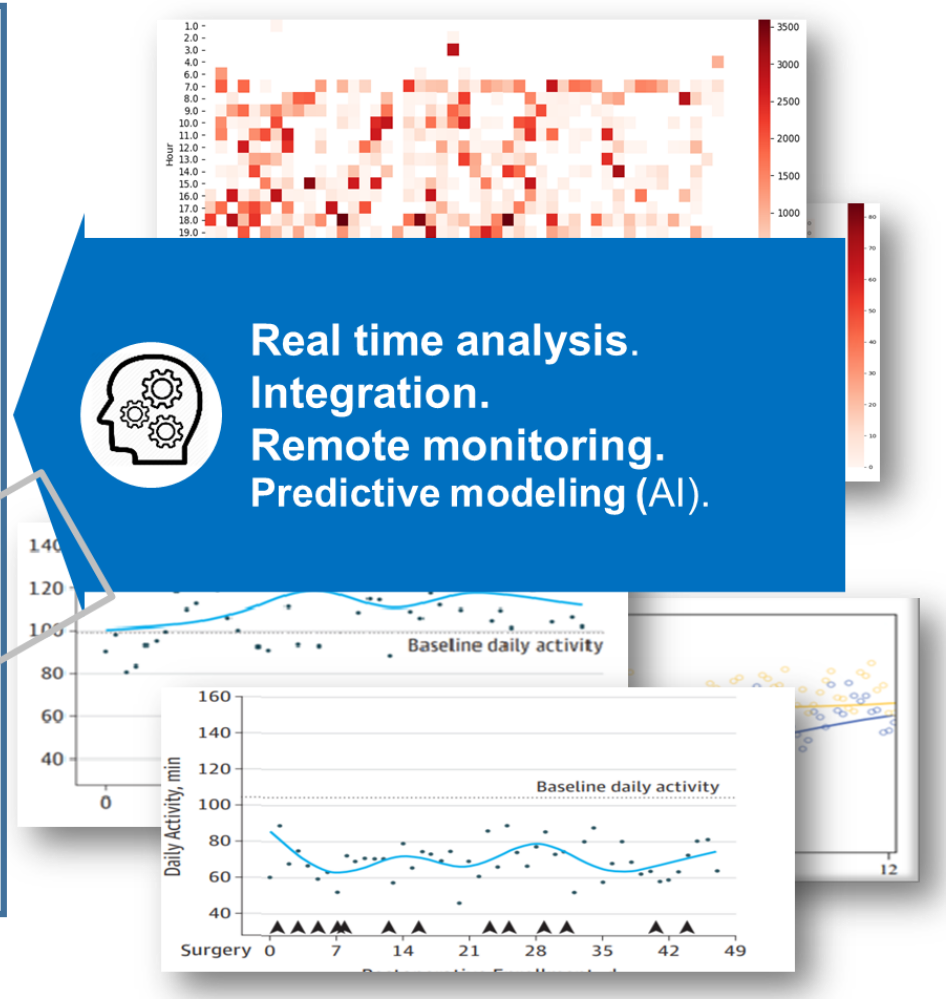
Clinical data

Integration with EHRs via standard HL7 FHIR or OpenAPI

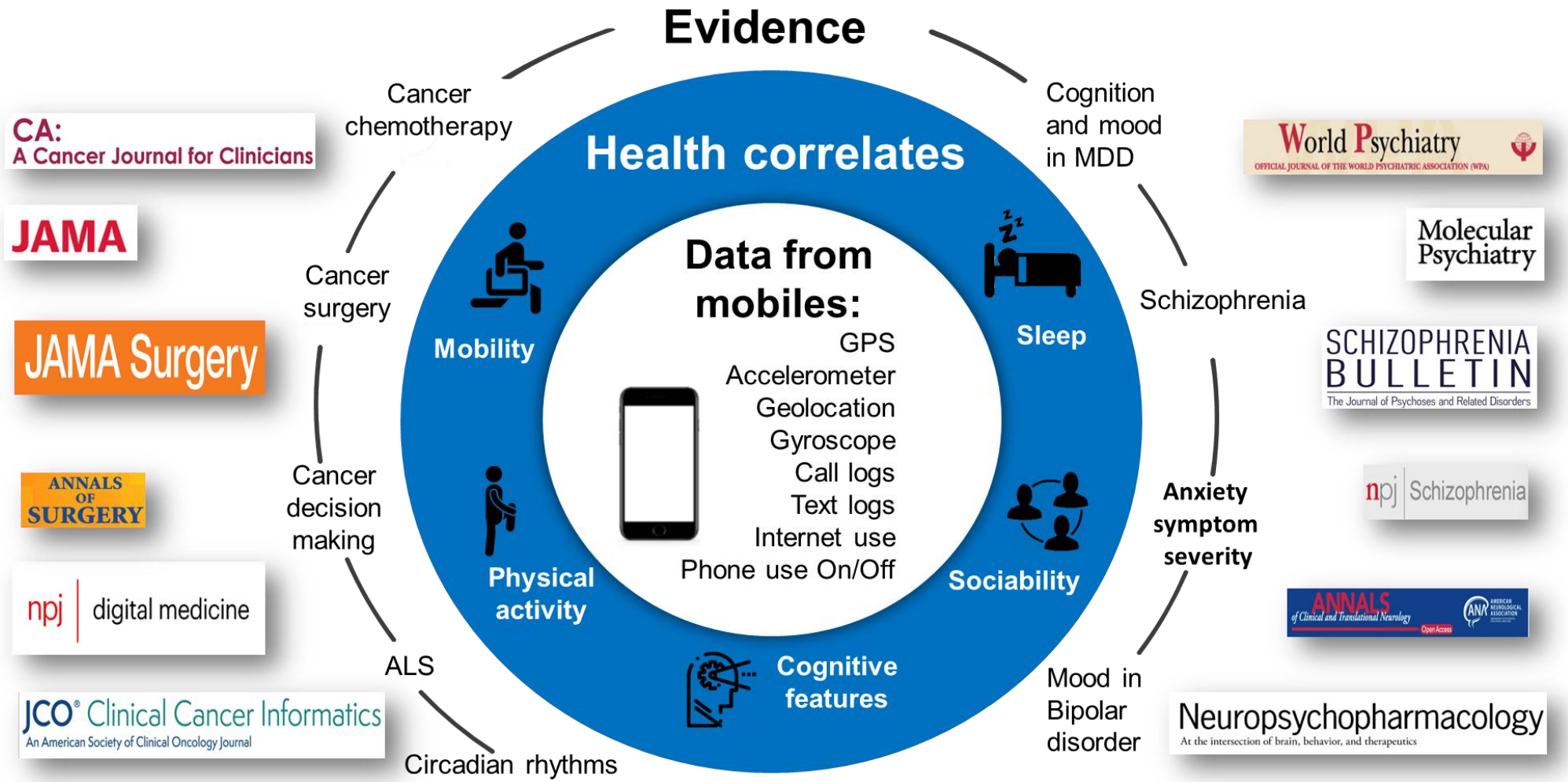
Collection and integration

HIPPA/GDPR Compliant

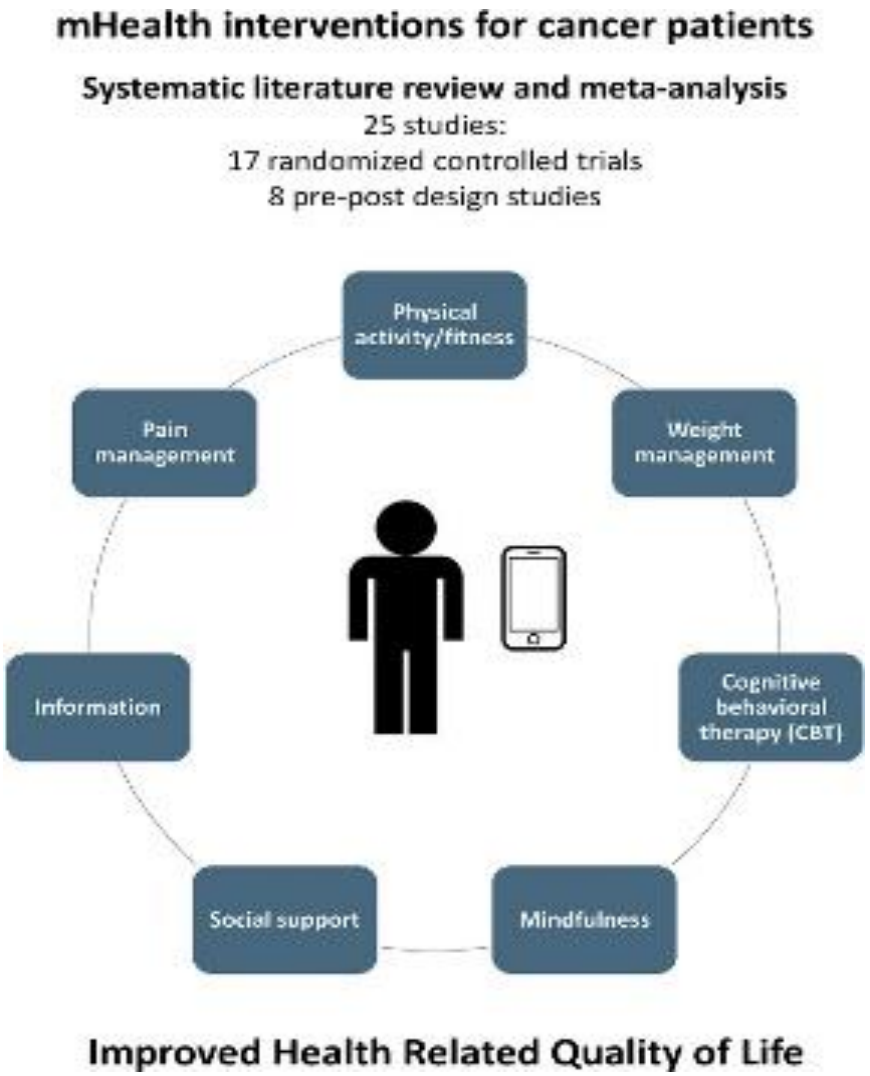
Real time analysis.
Integration.
Remote monitoring.
Predictive modeling (AI).



A way to improve quality of healthcare



Integration with mHealth interventions



Can mHealth interventions improve quality of life of cancer patients? A systematic review and meta-analysis.

Critical Reviews in Oncology/Hematology.
doi: 10.1016/j.critrevonc.2020.103123.

Completed project: COVID-19 Distress thermometer

Aim: Develop a platform for monitoring the impact of COVID-19 communication on metal health during the pandemic.

Funding: Research Council of Lithuania. Grant #: P-COV-20-50.

Partners: Vytautas Magnus University and Lithuanian University of Health Sciences, Kaunas Lithuania.

LITHUANIAN UNIVERSITY OF HEALTH SCIENCES

Research Council of Lithuania

Peer-reviewed publications:

- COVID-19 media fatigue: predictors of decreasing interest and avoidance of COVID-19–related news. *Public Health*. https://doi.org/10.1016/j.puhe.2021.05.024
- The impact of pre-existing conditions and perceived health status on mental health during the COVID-19 pandemic. *Journal of Public Health (Oxford). https://academic.oup.com/jpubhealth/advance-article/doi/10.1093/pubmed/fdab248/6309912*

Ongoing project: Cancer Patients

- **Prediction of disease trajectories, disease progression, treatment complications** of patients undergoing **radiation therapy for brain cancer**.
- Integration of passively acquired data (smartphone sensors, DP), actively collected data (health status, PROs) and clinical data/EHR (imaging, clinical, lab etc.).
- Funding: Lithuanian Business Support Agency (LVPA)
- Partners: National Cancer Institute (NVI), Vilnius, Lithuania

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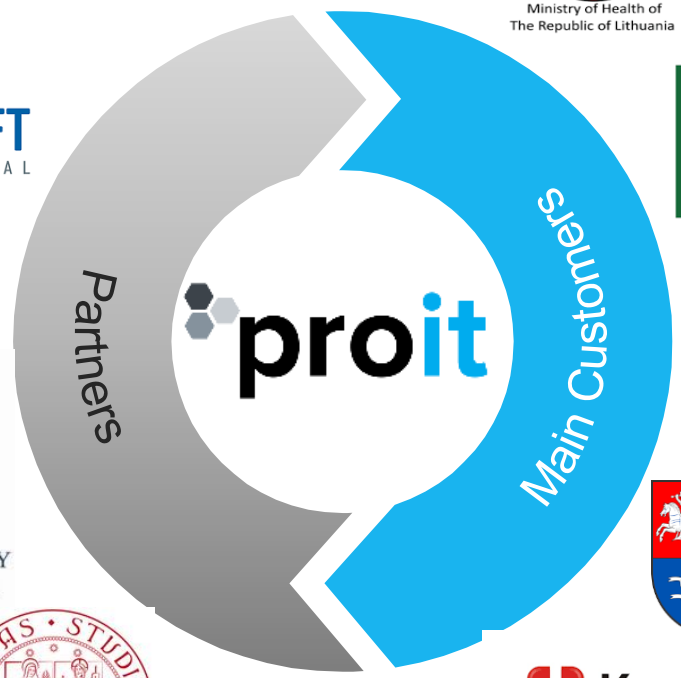
LVPA LIETUVOS VERSLO PARAMOS AGENTŪRA

Partners & Customers



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Value Proposition

Moment-by-moment monitoring of patients in their home environments: clinical precision and novel data for **healthcare providers**, cost savings for **payers**, and maximized cost-efficiency, transparency and data quality for **pharma/CROs**.

We help to take care of patients at home like in a hospital - conveniently and safely, to increase the efficiency of hospitals, pharma, and CRO, and to save payers money.

Moment-by-moment monitoring of patients in their home environments. Novel data. Accuracy. Better health. Cost-efficiency.

For more information please and possibilities for collaboration please contact Romas Bunevicius by email: **romas.bunevicius@proitsw.com**, by phone: **+37069822044**.

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