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MOBILE HEALTH LAB FOR CONNECTED AND DIGITALIZED HEALTHCARE

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In cooperation with:





Mobile patient care in the digital age

The Fraunhofer IIS Mobile Health Lab Bamberg is developing a generic IT platform for telemedicine. Called the Digital Patient Manager (DPM), the solution provides a network that connects service providers across all sectors and creates a decentralized infrastructure for medical communication. The system enables the automatic collection of individual patient data and its exchange between users and their healthcare provider (physician, hospital, therapist), with patients themselves determining who has access to which parts of their data. Likewise, healthcare providers can make all relevant information available to patients using the same system.

Services for start-ups, SMEs and pharmaceutical companies

- Implementation and licensing of telemonitoring technology for interdisciplinary, integrated care concepts, from clinical studies all the way up to use in general healthcare
- Product adaptation on the basis of customer-specific requirements
- Consulting, definition of specifications and development of (standardized) interfaces

Advantages at a glance:

- Use of the generic DPM enables rapid prototyping and significant cost savings
- Wearables that are already connected can be used or new interfaces easily developed
- enabling round-the-clock measurement of the vital parameters

relevant for your application

- The DPM is GDPR-compliant and can be approved as a class IIa medical device
- Compatible with gematik telematics infrastructure and other information technology systems (KIS, PVS)
- Integration of AI-supported digital health pathways enables application-specific support of treatment (in partnership with the Digital Health Pathways Group, Fraunhofer IIS)
- Use of the medical API makes it possible to create your own visualizations and apps based on the DPM

Quality management, data security and interoperability

Established interfaces and standards (e.g. POCT1-A, HL7, FHIR) ensure interoperability with other digital health services. The protection of personal data is guaranteed through compliance with GDPR and applicable safety and security standards and through the various authorization levels that regulate access to individual patient data. The system offers inherent support for the creation of audit trails for end-to-end quality assurance.

The Fraunhofer IIS Mobile Health Lab Bamberg is part of the Medical Valley Center Bamberg and works in close cooperation with MV Digital Health Application Center GmbH.