

# HiGHmed – An Open Platform Approach Unfolds

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# HiGHmed - A Network of Digital Health Leaders

HiGHmed is a large-scale and publicly funded clinical network with sites in Germany and Luxembourg

Its goal is to improve the accessibility of medical patient data for care and research

To achieve this, HiGHmed has engineered an open data platform based on the concept of Medical Data Integration Centers (MeDICs)

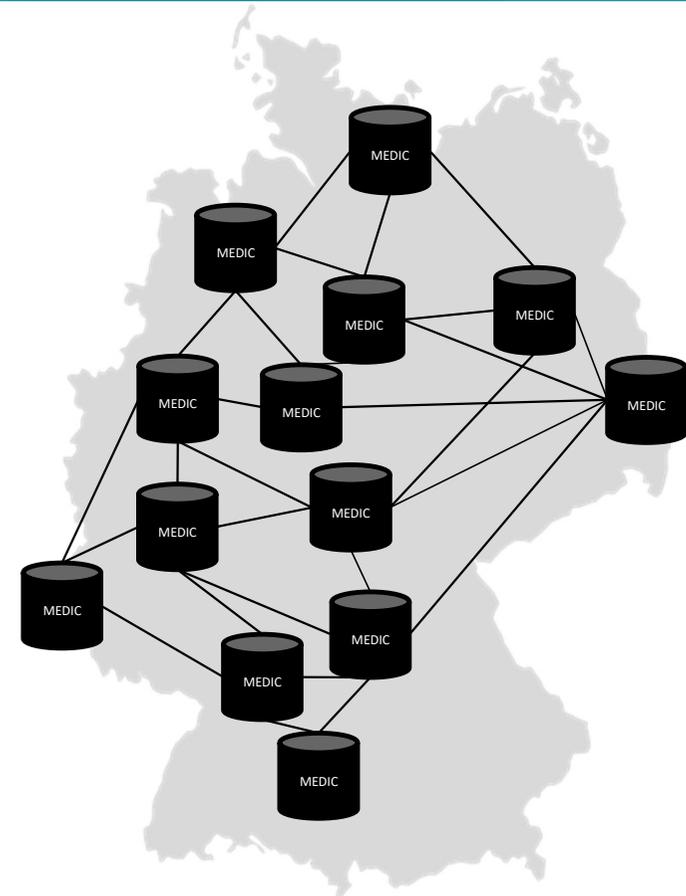


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# HiGHmed e.V. – Because Sustainability Matters



Founded in 2019 as a ,spin-off‘ of the HiGHmed consortium

Supported by all of HiGHmed’s clinical sites

Focus: Sustainable Establishment and further development of structures and solutions developed within HiGHmed

# HiGHmed & openEHR: A Collaborative Partnership



## International Networking

HiGHmed facilitates opportunities for international collaboration and knowledge sharing regarding openEHR



## Project Participation

HiGHmed fosters project participation within Germany to broaden the adoption of openEHR



## Know-how Development

HiGHmed builds and shares expertise in openEHR through training and knowledge transfer



## Model Development

HiGHmed has established a dedicated modeling group to enhance openEHR model development



But HiGHmed did more...  
... especially on the tooling side

# Tools made by HiGHmed

## EHRbase



The first open-source backend for openEHR systems

*(in collaboration with Vitagroup)*

## NUM-RDP Central Research Repository



A nationwide platform for centralized

COVID-19 research data

## FHIR Bridge



Connecting HL7 FHIR and openEHR

seamlessly

## CODEX Portal



Manages authentication and workflows for accessing

research data

## Cohort Explorer



Facilitates targeted searches of large datasets

within an openEHR-based CDR

## Test Data Generator



Provides HL7 FHIR and MII-KDS compliant test datasets

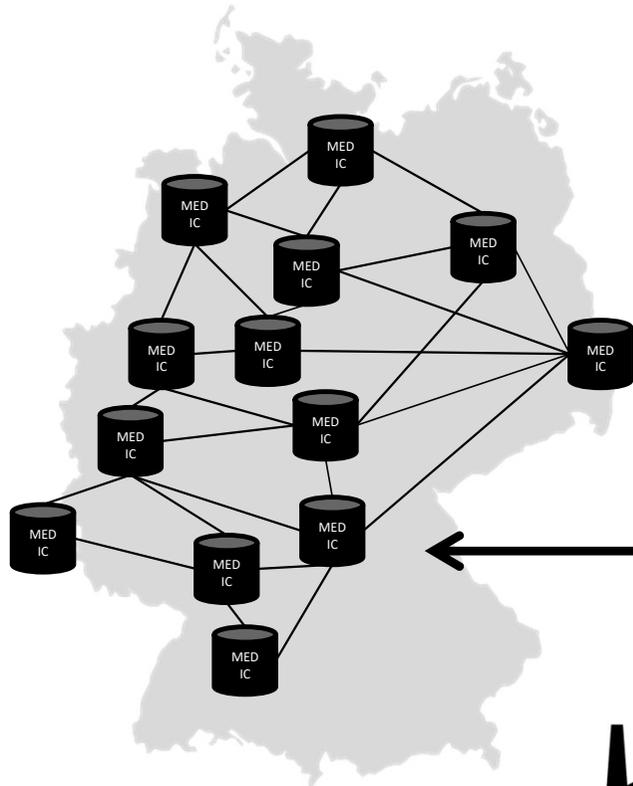
for quality assurance

***to be continued....***

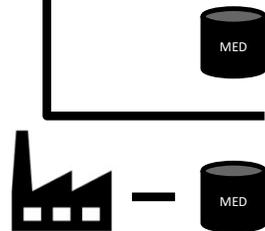
# MeDIC: Data Integration, Value Exploitation

## Medical Data Integration Centers (MeDIC)

*contains:* Clinical Data Repository (CDR) **openEHR**  
*supported by:* organization & IT infrastructure



HIS, PDMS, external (Lab, IoT, etc...)



**internal:** process support (apps), research  
**network:** research, networked care  
**3rd party:** product/drug development





**Like it ? Let's go ...  
... from vision to product**

# DevOps View / User View: One pragmatic solution



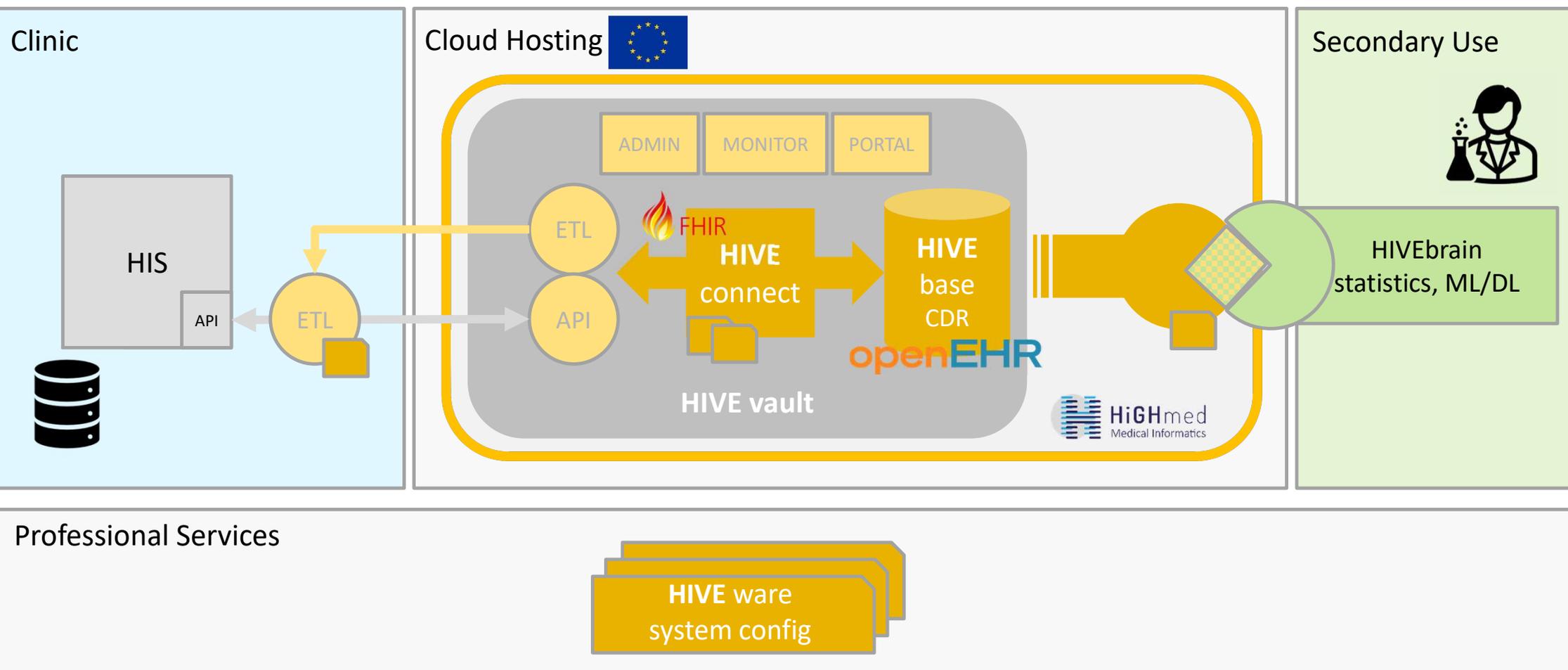
*to master system complexity* using state-of-the-art CI/CD  
*collaborate* with key industry partners  
and of course, *benefit* from a scalable cloud architecture

**HIVEsuite: economic, compliant and scalable**



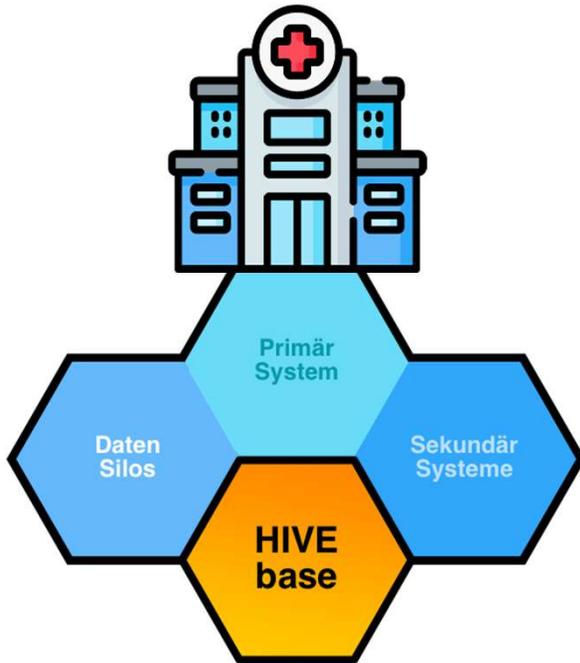
*rely* upon mature and future-proof data structures  
*securely operate* in a professionally maintained environment  
*efficiently use* talented resources: real challenges vs. routine  
*tap into innovation*, best practices and a powerful community

# HiGHmed HIVEsuite: Components

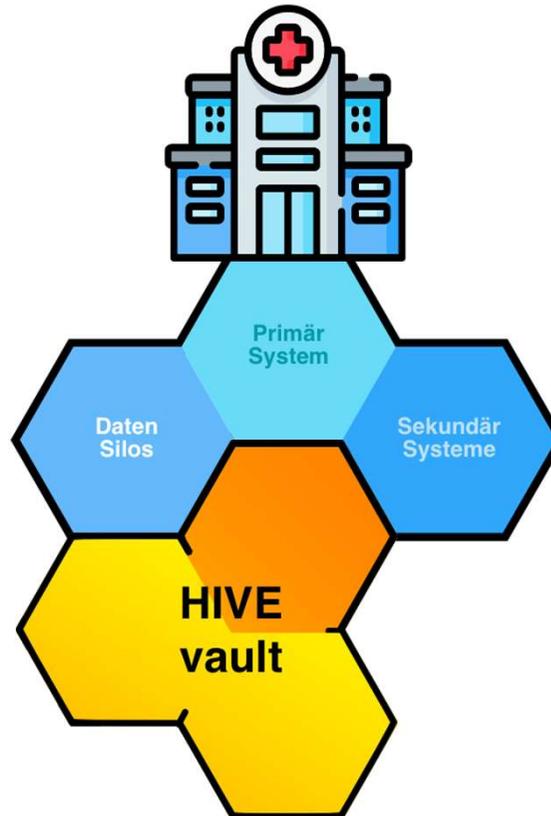


# HIVESuite Components + Services = Solutions

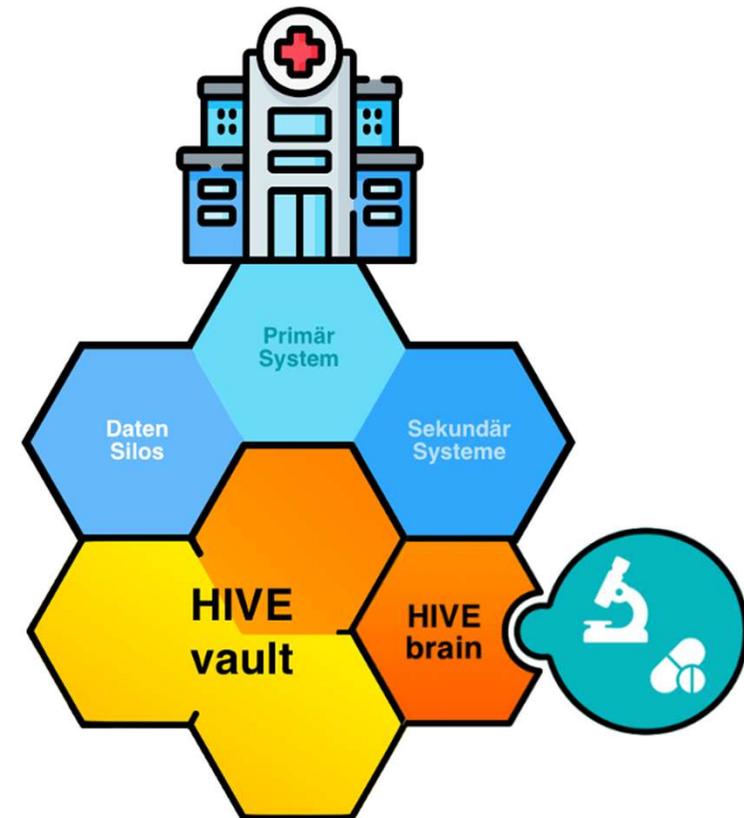
"CDR only" (permanent, pop-up)



"MeDIC - type" setup



„Content Factory“





The easiest way to convince someone of something

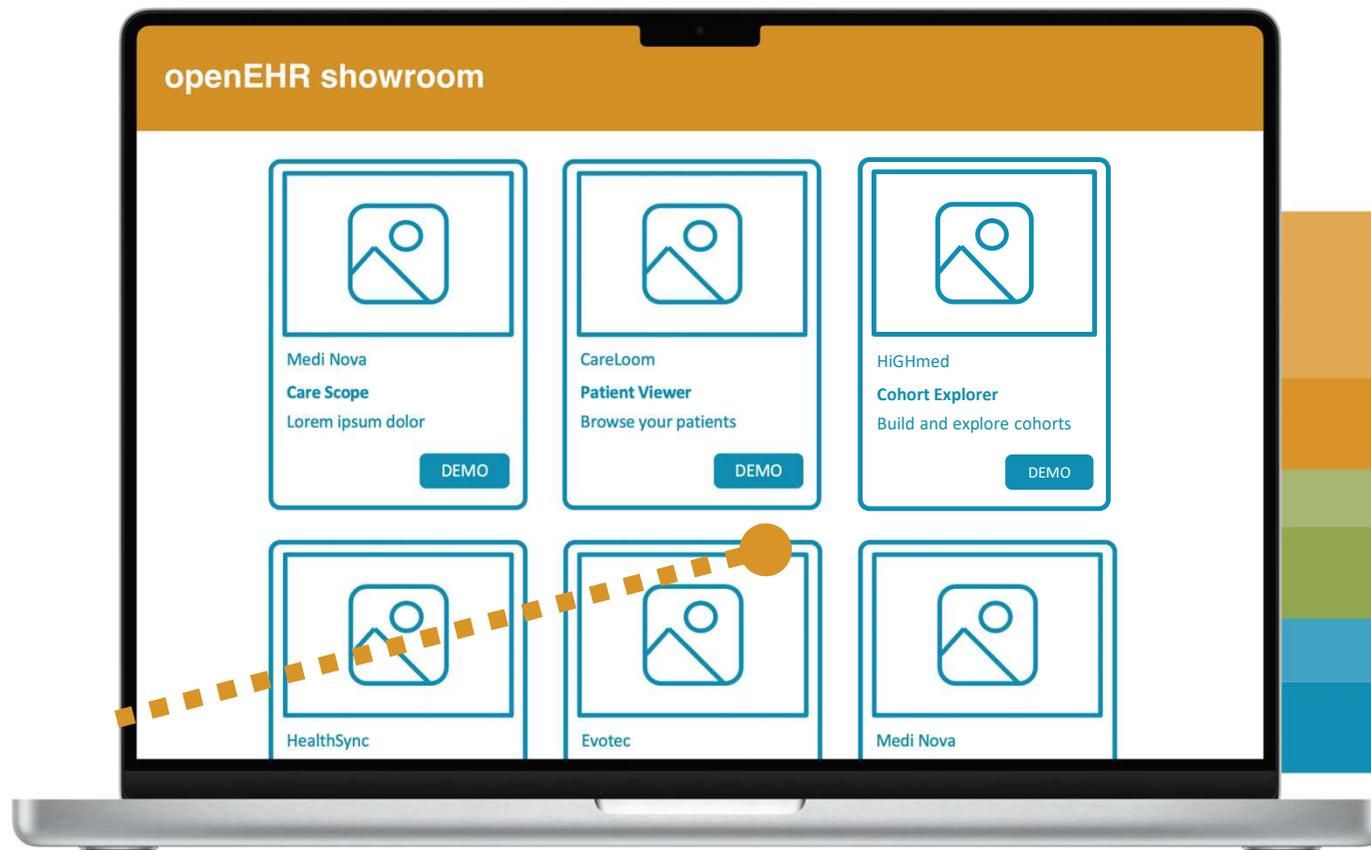
**TALK** less.  
**SHOW** more.



# How to bring a technical standard to life?

January, 31st. 2025

**openEHR**





[www.ehrshow.eu](http://www.ehrshow.eu)

# EHR SHOW

Coming to the community  
SUMMER 25

Submit your app  
TODAY



*Let's grow together*

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