

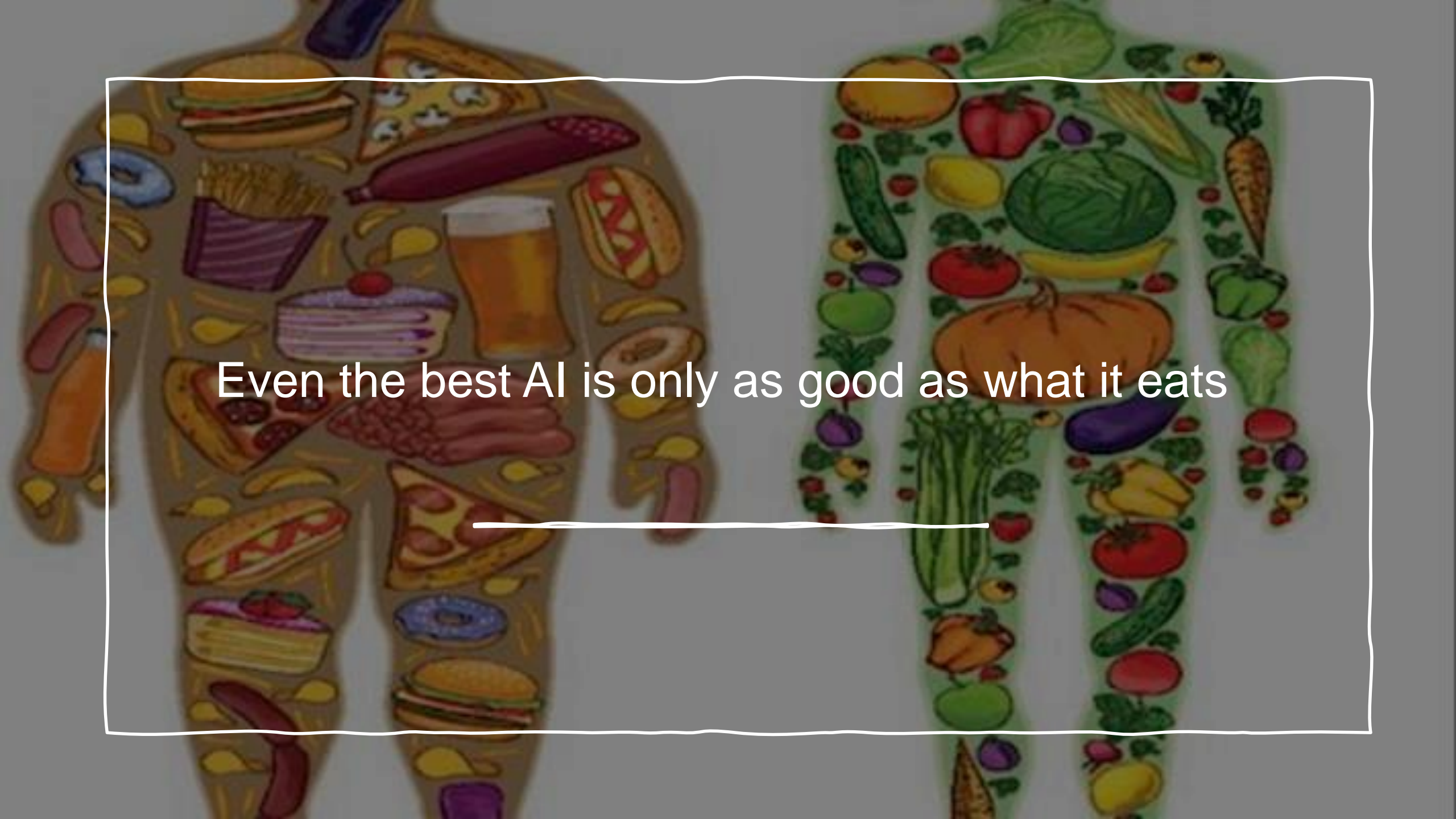
openEHR Industry

Contributing to the
community for better
data in Healthcare

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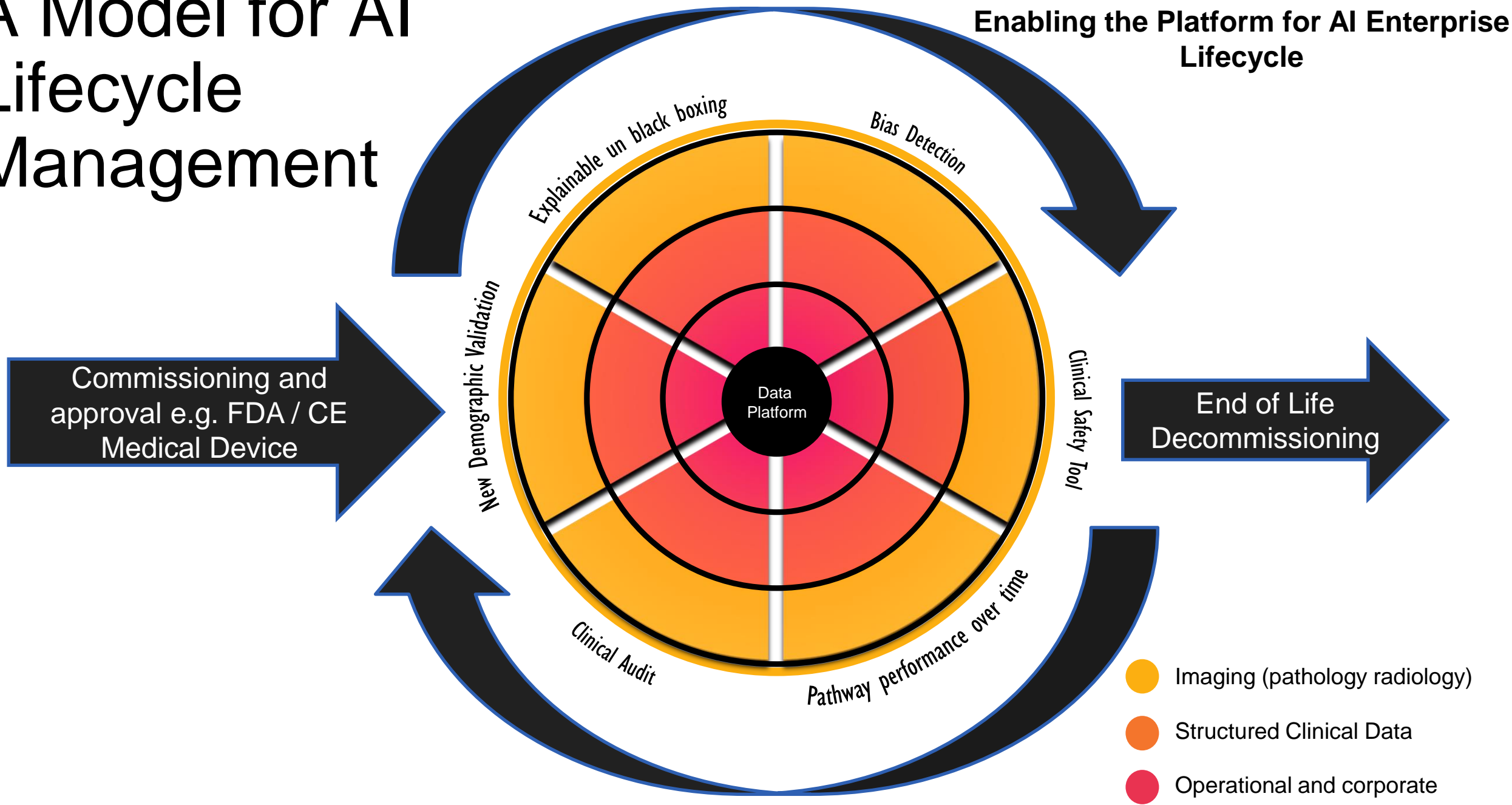
CEO openEHR

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Even the best AI is only as good as what it eats

A Model for AI Lifecycle Management



Why OpenEHR is Ideal for AI

Structured and Standardized Data

OpenEHR uses archetypes and templates to model clinical information, ensuring data is highly structured, consistent, and semantically interoperable. This makes it easier to train AI models without the need for extensive preprocessing.

Interoperability

OpenEHR provides a standardized platform for sharing data across different systems, enabling AI to access diverse, high-quality datasets from various sources.

Rich Clinical Context

OpenEHR stores data with detailed metadata and clinical context, allowing AI to make more accurate and clinically relevant predictions.

Longitudinal Data

OpenEHR supports time-series data, making it ideal for training AI models that require longitudinal patient information, such as disease progression or treatment outcomes.

Scalability and Flexibility

The modular and extensible design of OpenEHR allows seamless integration of AI tools and algorithms, adapting to evolving healthcare needs.

Ethical and Transparent AI Development

With OpenEHR, data provenance and traceability are inherent, supporting ethical AI practices and ensuring transparency in decision-making.

Focus on Reusability

Archetypes in OpenEHR are reusable and adaptable, enabling rapid deployment of AI models across different healthcare settings with minimal customization.

Global Adoption and Collaboration

OpenEHR is supported by an active international community, facilitating the sharing of best practices, tools, and AI solutions globally.

By leveraging OpenEHR, healthcare organizations can unlock the full potential of AI while maintaining the integrity, security, and usability of clinical data.

**Global Initiatives Using OpenEHR for AI
NHS England**

Leveraging OpenEHR to standardize health records across the UK, enabling AI-powered analytics for population health, predictive modelling, and personalized medicine.

HiGHmed Consortium (Germany)

Using OpenEHR to facilitate AI-driven research and clinical decision support, focusing on oncology, cardiology, and infectious diseases.

Better Platform (Global)

Supporting AI integration in healthcare systems by providing OpenEHR-based platforms for advanced analytics, real-time insights, and decision support.

Australian Digital Health Agency (ADHA)

Utilizing OpenEHR to enable AI applications in national electronic health records, enhancing diagnostics, disease prevention, and health service delivery.

Catalonia Health Region (Spain)

Implementing OpenEHR to create a unified health data platform, supporting AI applications in chronic disease management and clinical research.

Norwegian Health Network (Norway)

Developing AI models for predictive healthcare and decision support, powered by OpenEHR's standardized and interoperable data framework.

Karolinska Institute (Sweden)

Exploring AI-driven clinical trials and personalized medicine initiatives, leveraging OpenEHR's archetype-based data models.

Brazilian Health Informatics (SBIS)

Adopting OpenEHR for AI research in public health, focusing on infectious disease outbreaks, epidemiological modeling, and resource optimization.

VHIR (Vall d'Hebron Research Institute, Spain)

Utilizing OpenEHR for AI applications in genomics, integrating structured clinical and genetic data for advanced analytics. These initiatives demonstrate how OpenEHR provides the foundational framework for unlocking the transformative potential of AI in healthcare worldwide.

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Our aim is to remove the variability of data quality and completeness as a factor in the performance of AI.

We are enabling inter-country collaborations and AI research based on semantically harmonized data.

Research is currently being undertaken in Germany to look at the quantified performance benefits of openEHR as a data source for AI training.



Thank You