EarlyTracks
Optimized Information Alpha

Health Data Platform

Enabling Health Data Governance and AI In Care Institutions

Healh Data Capture

Our core expertise. Data Quality starts with effective data capture in existing solutions. Working on caputre offers the highest return on investment for Health Data Management.

Voice

BETA - EarlyTracks leverages LLMs to ensure speech capture during consultations, enhancing content creation and reducing costs for practitioners.

Text

EarlyTracks enhances its NLP capabilities for real-time and batch text conversion into HL7 FHIR resources. Effective filtering enables extensive data sourcing for future use.

Code

We offer **Terminology Management** to 20+ Belgian hospitals. We manage over 100 value sets, provide user-friendly terms, offer editorial support and ensure ongoing resource maintenance.

Healh Data Infrastructure

Data capture mainly works on the ‘I’ in FAIR data. Data infrastructrue focuses on the A : Accessibility. Separating Data from applications is fundamental in data management, ensuring accessibility and re-use of records accross applications. This requires a proper Data Infrastructure.

Guidance

Providing support in the setup of the storage and ingestion of content (assisting on implementation guidelines)

Light

Cost-efficient (open source) content storage for limited infrastructure setup. This works perfectly for pilot projects and / or controlled environments.

Advanced

Highly scalable, integrated and secured (third party) infrastructures for intensive data repository. EarlyTracks implement solutions for these third parties.

Healh Data Factory

Medical records integrate a broad spectrum of sources. The Health Data Factory is focused on creating 'data products' tailored for specific uses. Gathering raw data is not sufficient : advanced data cleaning and processing is needed (transformation layer). This step enhances the value of the data products.

Raw

The basic approach to datalake architectures : aggregating content without transformation, leaving data processing for later stages, increasing the total cost of data.

Standardized

This step integrates the standardization of content (if not properly captured) through NLP processing or mapping. Filtering and enrichment tasks can also help leverage data.

Aggregated

Medical information can be expressed using various converging facets : lab results, collection of reports, drugs, etc. Aggregating information enables to increase data re-usability.

Healh Data Use-Cases

Ultimately, producing high quality medical records is meant to be used to address specific usecases. EHDS defines two different types of use cases, those directly related to the patient’s care (primary use) and those related to secondary uses (financing, research, clinical studies, indicators, etc.).

Summaries

Over the years, EarlyTracks has developed an extensive experience in the production of Patient Summaries (based on IPS & EEHRxF standards). Patient Summaries integrate the general information needs for primary

Targeted

Many usecases require targeted information needs to properly fuel their usecases. Controlling the whole data production and data catalogs enables EarlyTracks to offer efficient and agile data management.

Integrations

More advanced data journeys integrate prepared data journeys with specific (third party) solutions. EarlyTracks partners with these players to facilitate their integration within hospitals systems (e.g. for drug-disease interactions).

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